



Remedial Action Work Plan – East Barracks Rail Yard

**East Barracks Rail Yard
East State Street & South Olden Avenue
Trenton, Mercer County, NJ 08611
NJDEP Case No. 00-03-20-1219-43
Program Interest No. G000043212**

Prepared for:

National Railroad Passenger Corporation (Amtrak)

New York, New York

January 13, 2021

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January 13, 2021

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List of Acronyms and Abbreviations

Amtrak	National Railroad Passenger Corporation	NJDEP	New Jersey Department of Environmental Protection
Amec Foster Wheeler	Amec Foster Wheeler Environment & Infrastructure, Inc.	NJT	New Jersey Transit
AOC	Area of Concern	NRDCSCC	Non-Residential Direct Contact Soil Cleanup Criteria
ARRCS	Administrative Requirements for the Remediation of Contaminated Sites	NRDCSRS	Non-Residential Direct Contact Soil Remediation Standards
bgs	below ground surface	OPRA	Open Public Records Act
BN	Base Neutral Extractable Compound	PAH	Polynuclear Aromatic Hydrocarbon
CID	Case Inventory Document	PAMP	Perimeter Air Monitoring Plan
CEA	Classification Exception Area	PCB	Polychlorinated Biphenyl
4',4'-DDE	1,1-dichloro-2,2-bis(p-chlorophenyl) ethylene	PCE	Tetrachloroethene
4',4'-DDT	dichloro-diphenyl-trichloroethane	PI	Program Interest
DGA	Dense Graded Aggregate	PID	Photo-Ionization Detector
EM	Electromagnetic	P.J. Hill	P. J. Hill Elementary School
EZ	Exclusion Zone	PP+40	Priority Pollutant List Parameters with a library search
FSPM	Field Sampling Procedures Manual	QAPP	Quality Assurance Project Plan
GPR	Ground Penetrating Radar	RA	Remedial Action
GPS	Global Positioning System	RAO	Response Action Outcome
HHEM	Hand-held Electromagnetic	RAP	Remedial Action Permit
IGWSSL	Impact to Ground Water Soil Screening Level	RAWP	Remedial Action Work Plan
KCSL	Known Contaminated Sites List	RAR	Remedial Action Report
LNAPL	Light Non-Aqueous Phase Liquid	RDCSCC	Residential Direct Contact Soil Cleanup Criteria
LSRP	Licensed Site Remediation Professional	RDCSRS	Residential Direct Contact Soil Remediation Standards
MCSCD	Mercer County Soil Conservation District	RE	Receptor Evaluation
mg/kg	milligrams per kilogram	RF	Radio Frequency
MOA	Memorandum of Agreement	RI	Remedial Investigation
MS	Matrix Spike	RIR	Remedial Investigation Report
NAD 83	North American Datum	RIWP	Remedial Investigation Work Plan
NAVD 88	North American Vertical Datum	RIR	Remedial Investigation Report
NFA	No Further Action	Roux	Roux Associates, Inc
N.J.A.C.	New Jersey Administrative Code	SCC	Soil Cleanup Criteria
		SDG	Sample Delivery Group
		SESCP	Soil Erosion and Sediment Control
		SET	Subsurface Environmental Technologies, LLC
		SICP	Self-Implementing Cleanup Plan
		Site	East Barracks Rail Yard

SRRA	Site Remediation and Reform Act	TSCA	Toxic Substances Control Act
SRS	Soil Remediation Standards	TRSR	7.26E Technical Requirements for Site Remediation
SVOC	Semi-Volatile Organic Compound	USEPA	U.S. Environmental Protection Agency
SZ	Support Zone	UST	Underground Storage Tank
TAL	Target Analyte List	VOC	Volatile Organic Compound
TCL	Target Compound List	Wood	Wood Environment & Infrastructure Solutions, Inc.
TIC	Tentatively Identified Compound		

1.0 Introduction

This Remedial Action Workplan (RAWP) presents the protocols and procedures that will be implemented to remediate contaminated soil at the the East Barracks Rail Yard (Site), at East State Street and Olden Avenue, Trenton New Jersey (Figure 1). Remedial actions will be overseen by Wood Environment & Infrastructure Solutions, Inc. (Wood), on behalf of Amtrak (National Railroad Passenger Corporation). Remedial actions at the Site will be conducted pursuant to New Jersey Administrative Code (N.J.A.C.) 7:26C, *Administrative Requirements for Remediation of Contaminated Sites* (ARRCS) under oversight of a Licensed Site Remediation Professional (LSRP).

This RAWP provides information related to the New Jersey Department of Environmental Protection (NJDEP) Case Number 00-03-20-1219-43 under Program Interest (PI) Number G000043212. This RAWP has been prepared to address a historical discharge of polychlorinated biphenyls (PCBs), which was initially reported by the Site operator, New Jersey Transit (NJT), on March 20, 2000. The discharge was attributed to leaking transformers from electric powered, self-propelled rail cars. NJT entered into a Memorandum of Agreement (MOA) with the NJDEP on April 18, 2002. As the Site owner, Amtrak has continued the remedial activities to comply with the *Site Remediation Reform Act* (SRRRA), N.J.S.A. 58:10C-1 et seq. Amtrak has never operated the rail yard.

Initial remedial activities began in 2001 and were limited to areas within the Site boundaries. In addition to PCBs, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and pesticides were sporadically detected on the Site. Investigations subsequently indicated the need to expand the sampling activities to adjacent, offsite properties to complete delineation. These activities defined the limits of soil contamination, which extended onto two adjacent offsite properties, the P. J. Hill Elementary School (P.J. Hill) and the Hutchinson Industries property. The majority of the P.J. Hill Elementary School property was remediated in 2019¹. This RAWP presents the protocols and procedures that will be implemented to remediate contaminated soil on the Site including the adjacent offsite Hutchinson Industries property.

1.1 Purpose

This document summarizes the results of the remedial investigation (RI) at the Site and proposes remedial action (RA) to address contaminated soil associated with historical operations at the Site.

1.2 Compliance With Technical And Regulatory Requirements

The proposed RA is the excavation and offsite disposal of contaminated soil. All remedial activities performed for this project will be conducted in accordance with ARRCS, the *Technical Requirements for Site Remediation* (TRSR) - N.J.A.C. 7:26E, the current version of the NJDEP *Field Sampling Procedures Manual* (FSPM) (NJDEP, 2005), and applicable NJDEP technical guidance documents. There are no planned variances from the TRSR or applicable technical guidance documents associated with the proposed RA.

¹ A small portion of the school property is located on the rail yard side of the fence. This area will be addressed in this RAWP under AOC 2A.

1.2.1 Regulatory Status

The discharge of PCBs to soil that was reported to NJDEP is being addressed pursuant to the *Spill Compensation and Control Act* (Spill Act), N.J.S.A 58:10-23 and under the United States Environmental Protection Agency (USEPA) *Toxic Substances and Control Act* (TSCA), 15 U.S.C. §2601 et seq. Remediation of VOCs, SVOCs, metals and pesticides is governed by the Spill Act. Technical work has been, and will be, conducted in accordance with NJDEP's policy for coordination between NJDEP and USEPA relative to PCBs (NJDEP, 2020).

NJDEP regulations applicable to this project include:

- N.J.A.C. 7:1E *Discharges of Petroleum and Other Hazardous Materials Substances Rules*
- N.J.A.C. 7:26C ARRCs
- N.J.A.C. 7:26D *Remediation Standards*
- N.J.A.C. 7:26E TRSR

1.2.2 Cleanup Standards

1.2.2.1 NJDEP Site Remediation Program

All soil data collected for this RA will be compared to the NJDEP Residential Direct Contact Soil Remediation Standards (RDCSRS), the Non-Residential Direct Contact Soil Remediation Standards (NRDCSRS), and the 2013 default Impact to Ground Water Soil Screening Levels (IGWSSL), as applicable (NJDEP, 2010).

Note that per NJDEP policy, PCBs are considered an immobile chemical, as listed in the *Guidance for the Evaluation of Immobile Chemicals for the Impact to Ground Water Pathway* (NJDEP, 2008). Based on data generated during the RI, the IGW pathway for PCBs and the associated IGWSSL does not apply to the Site.

The RDCSRS will apply to the offsite Hutchinson property and the portion of the P.J. Hill property that is located on the Amtrak side of the boundary fence; the NRDCSRS applies to the onsite rail yard. The RDCSRS for PCBs is 0.2 milligrams per kilogram (mg/kg). The NRDCSRS is 1 mg/kg.

1.2.2.2 USEPA TSCA

NJDEP regulations provide that the federal PCB remediation policy must be coordinated with the NJDEP Site Remediation Program policy during PCB remediation projects. TSCA does not regulate PCBs at concentrations less than 1 mg/kg (aka ppm). For concentrations in soil greater than 1 mg/kg, TSCA stipulates a range of self-implementing cleanup levels based upon future high and low occupancy use scenarios, which are differentiated by the anticipated future exposure time frame for an individual not wearing dermal and respiratory protection for more or less than an average of 6.7 hours/week.

According to the TSCA Self-Implementing Cleanup Criteria for a High Occupancy Scenario, PCBs may remain between 1 mg/kg and less than or equal to 10 mg/kg with institutional and engineering controls. This would be applicable to residential, unrestricted use or other uses where occupancy will exceed an average of 6.7 hours/week. However, to also achieve NJDEP standards, the remedial goal for this project is to remove soil impacted with PCBs at concentrations greater

than 0.2 mg/kg (offsite areas to the NJDEP residential standard) or 1 mg/kg (onsite to the NJDEP non-residential standard). Note that NJDEP allows for capping of soil that is contaminated at concentrations greater than the applicable soil standard. However, Amtrak has chosen to remediate offsite soil to 0.2 mg/kg to allow unrestricted use offsite, and to remediate onsite soil to 1 mg/kg and forgo capping.

The self-implementing cleanup plan (SICP) for this Site was submitted to USEPA and approved on March 13, 2020. This RAWP incorporates elements of the approved SICP for PCB concentrations in soil greater than 1 mg/kg.

1.2.3 Regulatory Timeframe

The Site remediation process was required to be initiated on March 20, 2000. In accordance with SRRA, the regulatory timeframe for the remedial investigation report (RIR) was May 7, 2015. Remedial Timeframe Notification Forms were submitted to NJDEP in 2015 and 2016 to extend the regulatory deadline for the RIR to May 7, 2017. The Site-wide RIR was submitted by that date. However, access to offsite properties was not granted until 2018. The RIR for the offsite properties was completed in June 2019.

The remedial action regulatory timeframe for this Site is May 7, 2021. The RA for Area of Concern (AOC) 2A (P.J. Hill) was completed in 2019.

1.2.4 Technical and Regulatory Requirements

The following items were performed in accordance with current administrative regulatory requirements:

- The LSRP for this Site, Marlene Lindhardt, was retained on March 5, 2015.
- The initial Receptor Evaluation (RE) was submitted on April 1, 2016; an updated RE was included with the 2017 RIR and with the 2019 Supplemental RIR.
- Remediation Timeframe Notification Forms were submitted on April 2, 2015 and April 6, 2016. A Remediation Timeframe Notification Form was submitted on February 14, 2019 for the remedial action report, extending the date to May 7, 2021.
- The RIR was submitted on May 4, 2017.
- The Public Notification Form was submitted on February 14, 2019.
- The Supplemental RIR for AOCs 2A and 2B was submitted on June 12, 2019.
- The RAWP for AOC 2A – P. J. Hill Elementary School was submitted on July 1, 2019.
- The Remedial Action Report (RAR) for AOC 2A was submitted on May 22, 2020.

There are no outstanding NJDEP fees due as of December 2020.

On behalf of Amtrak, this RAWP is being submitted to NJDEP by the LSRP, Marlene Lindhardt, LSRP No. 581173 through the NJDEP online portal and includes the Case Inventory Document (CID).

2.0 Site Description and Physical Setting

Detailed information regarding the Site description and physical setting were discussed in the May 2017 and June 2019 RIRs.

2.1 Site Location and Topography

The East Barracks Site consists of land located on Block 25101 Lot 1, Block 25201 Lot 1, Block 25301 Lot 2, and Block 25401 Lot 4 in the city of Trenton. The entire Site encompasses approximately 7 acres and extends 0.47 miles in length. The general location of the Site is presented on Figure 1 (Site Location Map) and a site plan depicting the Site in greater detail is presented on Figure 2.

The Site is bordered by Olden Avenue to the north and Lincoln Avenue/Chambers Street to the south, which are elevated rail overpasses that cross the tracks. The Site is bordered to the west by the active Northeast Corridor rail line. Located adjacent to the eastern Site boundary is one school, a park, residential properties, and one industrial property, which front East State Street.

The Site is located approximately 1,000 feet south of Assunpink Creek, which discharges to the Delaware River approximately two miles west of the Site. Topography at the Site is generally flat, with the exception of rail lines that are slightly elevated. Relief across the Site is approximately two feet except along the southeastern portion of the Site, where soil that has been reworked and placed along the Site fence line results in a steep incline of up to four feet. The entrance to the Site (North Cook Avenue) is located down a moderately sloping hill. A slight depression is present parallel to the fence line along the western side of the railroad tracks. In addition, a slight depression or drainage swale is present to the southeast of the unpaved road that parallels the fence line that is located to the northeast of the North Cook Avenue entrance.

2.2 Geology

The Site is located in the northernmost section of the Atlantic Coastal Plain Province, approximately one mile south of the Fall Line (boundary of Piedmont Province). The Atlantic Coastal Plain is comprised of Cretaceous age unconsolidated or poorly consolidated layers of gravel, sand and clay.

According to the Geologic Map of the Trenton East and West Quadrangle, surficial deposits in the vicinity of the Site include artificial fill, fluvial deposits (Lake Wisconsin Glaciofluvial deposits), and alluvium. The Lake Wisconsin Glaciofluvial deposits, which are as much as 60 feet thick, consist of well stratified fine-to-coarse sand and unstratified to weakly stratified gravel. The alluvium deposits, which are as much as 40 feet thick, consist of unstratified to weakly stratified sand, silt, minor clay and peat and pebble to cobble gravel. The depth to bedrock beneath the Site is estimated to be greater than 40 feet.

2.3 Site Soil

Site historical operations have resulted in fill material being placed at the surface across the Site. Stone ballast is present adjacent to the current railroad tracks, along the unpaved road east of the fence that bisects the Site, and in the parking area. Underlying the ballast is fill material consisting

of black sand, cinders and gravel to a depth of approximately two feet. Below two feet are native deposits of sand, silt and gravel associated with the historical Assunpink Creek flood plain (Roux, 2002).

Wood advanced multiple shallow borings across the Site during the RI conducted between 2015 and 2017. The soils encountered were consistent with those reported by Roux Associates, Inc. (Roux) in the 2002 Remedial Investigation Work Plan (RIWP).

2.4 Hydrogeology

According to Roux, based on groundwater investigations conducted at the adjacent NJT former Mercer Bus Garage facility² that was located immediately to the northeast of the Site, groundwater in the area occurs under unconfined, water table conditions. The depth to water at the adjacent former Mercer Bus Garage facility was encountered at 18 to 19.5 feet below ground surface (bgs). The direction of groundwater flow at the former Mercer Bus Garage was determined to be to the north, towards Assunpink Creek. Therefore, it was assumed that groundwater at the Site also flows to the north (Roux, 2003).

Based on Site-specific data, the depth to groundwater at the Site is approximately 5.3 to 7.8 feet bgs at the rail yard.

2.5 Surrounding Land Use

The property is located within the city of Trenton, in a commercial area with high density residential, mixed urban, and industrial land use to the east, with deciduous forest sections to the west of the Northeast Corridor rail tracks. The Site is bordered on the north by Olden Avenue, south by Lincoln Avenue/Chambers Street, and west by the Northeast Corridor. The entrance to the Site is at North Cook Avenue. Located adjacent to the eastern Site boundary is P.J. Hill Elementary School, Greg Grant Park, numerous residential properties, and an industrial property (Hutchinson) along East State Street. Refuse and debris have been observed outside the Site boundary at the rear of these East State Street properties, adjacent to the Site.

Both the P.J. Hill Elementary school and the Hutchinson property have been the subject of previous environmental investigations and remedial activities.

2.6 Areas of Concern

Three areas of concern have been identified for this Site, as shown on Figure 2.

- AOC-1 Historical PCB Discharge encompasses the entire onsite property.
- AOC-2A Offsite Property includes the P. J. Hill Elementary School. AOC-2A is the subject of the 2020 RAR and has been remediated to RDCSRS.
- AOC-2B Offsite Property includes the Hutchinson Industries property.

² This property is currently the location of the Hutchinson Corporation facility that has been designated AOC 2B.

2.6.1 AOC-1 Onsite History and Operations

Amtrak acquired the East Barracks rail yard on April 1, 1976 when Amtrak was created and took over the entire Northeast Corridor line through an act of Congress. Amtrak has never operated the rail yard. NJT and predecessor railroads, including the Pennsylvania Railroad and the Penn Central Transportation Company, used the rail yard for overnight storage of electric-powered, self-propelled passenger rail equipment for the Northeast Corridor rail line. The facility provided minor routine maintenance, e.g., brake pad changing, interior car cleaning, and overnight storage for commuter rail cars. NJT presently maintains the lease on the property from Amtrak but has not operated the rail yard for several years.

The Site is currently used by Amtrak for storage of rail equipment that is used to maintain the railroad right of way. The Site consists of the following:

- Active and former rail lines/spurs,
- One crew office trailer, and
- A parking area.

The Site is bordered by the active Northeast Corridor rail line to the west. See Figure 2.

2.6.2 AOC 2A and AOC 2B Offsite Properties History and Operations

Wood conducted Open Public Record Act (OPRA) reviews of the two properties adjacent to northeast side of the East Barracks railyard where PCBs had not been delineated to the Amtrak property line.

2.6.2.1 P.J. Hill Elementary School (AOC 2A)

The PJ Hill Elementary School, located at 1010 East State Street, Block 25301 Lot 1, was the subject of an environmental investigation in 1995 for the removal of a No. 2 fuel oil, 10,000-gallon underground storage tank (UST) under closure number C95-0710 and PI No. 026772.

The property is bordered by East State Street to the east, North Cook Avenue to the south, AOC 2B (described below) to the north and the East Barracks rail yard to the west. It is relatively flat with a slight grade towards the rail yard. Most of the property is covered by the school buildings constructed in the 1970's and paved parking areas. The portion of the property immediately adjacent to the rail yard is a paved parking lot.

PCB-contaminated soil in AOC 2A was excavated in 2019. This AOC was remediated to meet RDCSRS as described in the RAR (Wood, 2020b).

2.6.2.2 Hutchinson Industries Inc. (AOC 2B)

This property, located at 1132 East State Street, Trenton Block 25401, Lots 1 and 2, is currently owned by L&F Urban Renewal Properties. The property was previously owned by NJT and was used as a bus garage. The NJDEP has identified this site on the Known Contaminated Sites List (KCSL) as New Jersey Transit Former Mercer Bus Garage, PI No. 011737. The property has been the subject of multiple previous investigations as discussed in Section 3.0.

The property is currently leased by Hutchinson Industries, Inc. which supplies mobility components for wheeled vehicles under Department of Defense contracts.

The property is bordered by East State Street to the east, P.J. JHill Elementary School to the south, North Olden Avenue to the north and the East Barracks rail yard to the west. It is relatively flat with a slight grade towards the rail yard. Lot 1 consists of buildings and paved areas. The portion of Lot 1 that is immediately adjacent to the rail yard is covered by a building and parking area bordered by a fence.

Most of Lot 2 is a grassy area including the site cap required by a remedial action permit (RAP) for soil. The portion of Lot 2 that is immediately adjacent to the rail yard is grass and bordered by a fence.

Between the fence and the Amtrak property line, the area consists of heavy brush with quantities of debris and trash.

3.0 Previous Investigations

3.1 Initial Investigation - 1999

NJT collected four soil samples from the track area in November 1999 to investigate the presence of PCBs. PCBs were detected at concentrations ranging between 519 mg/kg and 36,205 mg/kg, exceeding the NJDEP Non-Residential Direct Contact Soil Clean Criteria (NRDCSCC) of 2 mg/kg which was in effect at the time (Roux, 2003).

On December 29, 1999, NJT issued an internal memorandum as a precautionary measure to notify employees that PCBs had been detected under the ballast at the Site during routine environmental testing. The memorandum prohibited excavation without prior NJT approval, and also stated that additional ballast and liner fabric was being placed at the Site (NJT, 1999).

On March 20, 2000, NJT notified the NJDEP communications center of these findings, and Case Number 00-03-20-1219-43 was assigned. No specific details regarding the testing results or interim remedial actions are available for review.

In order to prevent direct contact by workers with the PCB-impacted soil/ballast and to minimize the potential for migration of PCB contamination, NJT installed a geotextile liner over the existing ballast between and within the railroad tracks, and placed an additional one foot of clean ballast on top of the geotextile liner. NJT entered into a MOA with NJDEP on April 18, 2002 (Roux, 2003). No documentation or maps depicting the sample locations are available for review.

(It should be noted that the analytical results from the NJT 1999 sampling event have not been replicated in subsequent investigations; further an analytical laboratory report for these historical samples is not available for review.)

3.2 Remedial Investigation – 2001

On behalf of NJT, Roux conducted soil sampling activities at the Site on October 18, 2001. The results of the October 2001 sampling activities were presented in a Roux 2002 RIWP and are summarized below.

Eight soil borings were completed to a depth of 2.5 feet bgs. Two soil samples were collected from each boring, one from the zero to 0.5-foot interval of the first soil encountered below the geotextile liner and the second from 2.0 to 2.5 bgs. A total of 16 soil samples were analyzed for PCBs. PCB concentrations ranged from 3.8 mg/kg to 440 mg/kg in the zero to 0.5-foot samples, and from 0.077 mg/kg to 160 mg/kg in the 2.0 to 2.5-foot samples. The soil sample from the zero to 0.5-foot interval from the track area exhibiting the highest PCB concentration and the soil sample from the zero to 0.5-foot interval from the swale area exhibiting the highest PCB concentration were also analyzed for the priority pollutant list parameters with a library search (PP+40). Additional compounds exceeding the NJDEP NRDCSCC were detected and included: base neutral extractable compounds (BNs), specifically polynuclear aromatic hydrocarbons (PAHs); arsenic; and pesticides (specifically dieldrin, endrin, 1,1-dichloro-2,2-bis(p-chlorophenyl) ethylene (4',4'-DDE), and dichloro-diphenyl-trichloroethane (4',4'-DDT) (Roux, 2002).

The 2001 sampling activities were documented in the Roux 2002 RIWP that was submitted to NJDEP on March 6, 2002. The RIWP proposed additional sampling to achieve delineation of contaminants at the Site.

3.3 Remedial Investigation - 2003

Roux conducted two sampling events in May 2002 and May 2003³. All soil samples were analyzed for PCBs and select soil samples were analyzed for PP+40. The May 2002 sampling event included soil borings completed within the track area (the northern portion of the Site between the catenary poles and fence) and in the parking area near the entrance to the Site. The second sampling event completed in May 2003 entailed additional delineation sampling south of the track area, within the employee parking area and to the south of the fence along the unpaved road that parallels the railroad tracks.

During the two sampling events, a total of 62 soil borings were completed and 108 soil samples were collected for laboratory analysis. Soil samples were collected from the surface soil at all boring locations, with the exception of a row of samples collected between the existing railroad tracks, where soil contaminants were assumed to be less than the soil cleanup criteria (SCC). Deeper soil samples were also collected within the track area of the property and the parking lot.

Overall, the sampling results from the zero to 0.5-foot interval below the geotextile liner within and immediately adjacent to the track area confirmed that the PCB concentrations were greater than the NRDCSCC. PCB concentrations at the surface along the fence line also exceeded the NRDCSCC. However, half of the results for surface soil samples from the parking lot were less than the NRDCSCC and the remainder were only slightly greater than the NRDCSCC. With a few exceptions, the soil samples that were collected from the 2.0 to 2.5-foot interval below the geotextile liner within and immediately adjacent to the track area exhibited PCB concentrations that were less than the NRDCSCC. No concentrations of constituents greater than the NRDCSCC were detected in soil samples analyzed for PP+40.

The findings of the RIR included:

- Surface soil at the north, east and west perimeter of the Site exceeded the NRDCSCC for PCBs. This area was beyond the NJT-specified Site perimeter and immediately adjacent to the active railroad tracks of Amtrak's Northeast Corridor. Therefore, no further delineation or remediation was conducted.
- The upper two feet of soil and ballast within the track area located between the fence line and the catenary poles, where the PCB concentrations in soil exceeded the NRDCSCC was recommended for excavation and offsite disposal.
- Concentrations of other constituents that exceeded the NRDCSCC, which were identified through the PP+40 analyses, were limited to the surface soil in the zero to 0.5-foot interval.

³ The information in this section was taken from the draft 2003 Roux RIR (the final document was not available for review.) Note that the NJDEP Data Miner website lists receipt of a site investigation report on February 17, 2004. It is not known if the referenced report is the final version of the draft RIR that was available for Wood review. The referenced report was not located through the OPRA records search of NJDEP files

Surface soil concentrations of PP+40 constituents that exceeded the NRDCSCC would be included in the excavation of the PCB-impacted surface soil.

- Generally, the concentrations of PCBs that exceeded the NRDCSCC were limited to the gray to black fill material beneath and adjacent to the railroad tracks. The gray to black fill material was typically limited to a depth of two feet bgs. For the most part, the yellowish-brown sand present below the fill material did not contain contaminants that exceeded the NRDCSCC.
- The extent of soil with PCB concentrations that exceeded the TSCA concentration of 50 mg/kg was generally defined. The extent of TSCA-regulated soils would be further defined during implementation of the remedial action.
- Full delineation to the Residential Direct Contact Soil Cleanup Criteria (RDCSCC) and NRDCSCC was not completed along the southern portion of the Site. Therefore, surface soil concentrations of PCBs present to the south of the fence, which parallels the railroad tracks, would be further defined via additional delineation prior to submission of a RAWP.

The draft RIR included specific recommendations for additional delineation sampling; it is not known whether this additional investigation was performed, and no supplemental data were available for Wood review. Based on the 2015 OPRA reviews of NJDEP documents, an RAWP was not located.

3.4 Remedial Investigation – 2017

As reported in the 2017 RIR, additional onsite investigation was conducted by Amec Foster Wheeler Environment & Infrastructure, In. (Amec Foster Wheeler – now Wood) on behalf of Amtrak between 2015 and 2017 to complete delineation of PCBs, VOCs and pesticides in soil.

3.4.1 Polychlorinated Biphenyls

Wood reviewed the historical sample results for PCB analysis, which were collected from 65 locations across the Site during the initial investigations performed by Roux between 2001 and 2003. Samples were then collected from an additional 72 onsite locations for delineation purposes as part of this RI.

Complete results for the entire Site are included in the 2017 RIR. Historical analytical data for PCBs that were provided in the Roux reports were incorporated into the RIR and are discussed below.

3.4.1.1 Northern Area (Phase 1)

PCB results for the northern portion of the area to be excavated ranged from not detected to 506 mg/kg at location E-50 (0.5 to 1.0-foot interval). Horizontal delineation to the northern Site boundary could not be completed past onsite location E-43 due to placement of permanent rail equipment and associated safety issues. Horizontal delineation is precluded to the west by the Northeast Corridor.

Delineation to the east is complete; PCB concentrations greater than the RDCSRS of 0.2 mg/kg extended onto the adjacent Hutchinson property. This area is designated as AOC 2B and will be remediated concurrently with the onsite northern area.

PCB concentrations also exceeded the RDCSRS under the paved parking lot of the P.J. Hill Elementary School. None of the results were greater than 1 mg/kg and the area was not subject to TSCA. Amtrak conducted excavation of the school parking lot in 2019 and remediation to RDCSRS was completed. A small portion of land included in the school parcel is actually located within the Amtrak fenced property. This area, designated AOC 2A, will be remediated concurrently with the onsite northern area.

Within the northern area, the majority of PCB exceedances occurs in the upper two feet of soil beneath the ballast, to a maximum depth of 4 feet bgs. Vertical delineation is complete.

3.4.1.2 Southern Area (Phase 2)

PCB results in the southern portion of the area to be excavated ranged from not detected to 136 mg/kg at E-61 (0.5 to 1.0-foot interval). Delineation to 1 mg/kg was not complete at the southern Site boundary along the eastern fence line, where PCB concentrations at location E-61 were 84.6 mg/kg (sample E 61-2.0-2.5) and 136 mg/kg (sample E-61-0.5-1.0). This location was later delineated in 2020. It is within the area to be excavated; post-excavation sampling will be conducted to confirm that remediation to 1 mg/kg is complete. Horizontal delineation to the west is precluded by the Northeast Corridor line. With the exception of location E-72, PCBs have been delineated to 0.2 mg/kg at the eastern Site boundary. Post-excavation sampling will be conducted to confirm that excavation achieves the remedial goals.

Within the southern area, the majority of PCB exceedances occurs in the upper two feet of soil, beneath the ballast to a maximum depth of 2.5 feet bgs.

3.4.2 Volatile Organic Compounds

During the course of the initial investigations, Roux collected 21 samples for VOC analysis. Results indicated IGWSSL exceedances of methylene chloride, a common laboratory contaminant, and one IGWSSL exceedance for benzene at SB-1. However, the majority of the laboratory detection limits for the samples were greater than current standards. In order to confirm the VOC results, Wood collected an initial round of samples from ten locations for Target Compound List (TCL) VOC plus library search for 15 Tentatively Identified Compounds (TICs) (+15) analysis. The results indicated an exceedance of the IGWSSL for tetrachloroethene (PCE) at two locations, E-1 (0.028 mg/kg) and E-2 (0.009 mg/kg). A second sampling event was conducted to delineate these locations. Samples to horizontally delineate E-1 were collected from E-30 and E-31. PCE was not detected in either sample. Delineation to the west was precluded for safety reasons by the proximity of the Northeast Corridor. The PCE was limited to the upper four feet of soil. Samples to delineate E-1 and E-2 were collected from E-30/E-31 and E 32/E-33, respectively. VOCs were not detected. These locations provide horizontal and vertical delineation to 5 feet bgs.⁴

⁴ All detections of VOCs that exceeded applicable standards are located in the area directly adjacent to the active Northeast Corridor rail line and are not included in the areas addressed by this RAWP. Locations directly adjacent to the active rail line will be addressed in the future when work can be conducted safely.

3.4.3 Semi-Volatile Organic Compounds

All samples that were analyzed for SVOCs were collected by Roux during the 2001 to 2003 investigations.

SVOCs that exceeded current standards were reported for 7 of 18 soil boring locations: A-15(1.0-1.5); D-4(0.0-0.5); PL-12(0.0-0.5); D-13(0.0-0.5); PL-1(0.0-0.5); SB-1; and SB-6.

SVOC parameters that exceeded current standards were 1,2,4 trichlorobenzene and the PAHs: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene (estimated values only), and indeno(1,2,3-c,d)pyrene.

3.4.4 Metals

All samples that were analyzed for target analyte list (TAL) metals were collected by Roux during the 2001 to 2003 investigations.

Metal concentrations that exceeded current IGWSSL were reported for 6 of 16 soil boring locations: A-15(1.0-1.5); C-10(2.0-2.5); D4(0.0-0.5); D-13(0-0.5); PL-1(0.0-0.5); and PL 12(0.0-0.5). The parameters that exceeded IGWSSL include antimony, beryllium, lead (an Immobile Chemical) and mercury. None of the results exceeded NRDCSRS or RDCSRS.

3.4.5 Pesticides

Historical pesticide results reported by Roux indicated that contamination was limited to the upper two feet of soil and located in sporadic locations across the Site. Pesticides that historically exceeded standards included dieldrin, endrin, 4,4'DDE, and 4,4'DDT (the latter two chemicals are classified as Immobile Chemicals).

Samples for analysis were collected from ten locations by Wood to delineate the historical pesticides reported by Roux and to verify results where laboratory detection limits from the historical investigations were greater than current applicable standards. Based on the results of the first event, two additional samples were collected in order to confirm horizontal delineation of dieldrin.

3.5 Previous Investigations at Offsite Areas

3.5.1 P.J. Hill Elementary School (AOC 2A)

The PJ Hill Elementary School was the subject of an environmental investigation in 1995 for the removal of a No. 2 fuel oil, 10,000-gallon UST. The UST was removed and sent offsite for disposal. No holes or signs of deterioration were observed in the tank. No groundwater was encountered in the excavation. No evidence of contamination was observed in the excavation or overburden soils. Post-excavation soil samples were analyzed for total petroleum hydrocarbons; none of the results exceeded standards in effect at the time. The backfill was supplied by Haas Sand & Gravel, Inc from a virgin quarry in Tabernacle, New Jersey (Schoor DePalma, 1995). The site received a No Further Action (NFA) determination letter from NJDEP, dated April 26, 1996.

On April 1, 2002, NJDEP issued a letter with subject Non-Compliant Regulated UST Systems that listed two 10,000-gallon No. 2 fuel oil USTs, which were stated to be in service. Based on

correspondence from Schoor DePalma, only one UST had been present at the Site and it was removed in 1995 (as noted above). Based on the current NJDEP DataMiner UST Registration Summary for P.J. Hill School, PI 026772, the 10,000-gallon UST that was present on the site was removed in 1995.

3.5.2 Hutchinson Industries, Inc. (AOC 2B)

Hutchinson Industries, Inc. is the current tenant of the property located at 1132 East State Street, Trenton B25401 lots 1 and 2. It is the location of a known contaminated site, the Former NJT Mercer Bus Garage, currently owned by L&F Urban Renewal Properties.

Based on various documents obtained during the OPRA review, as the Former Mercer Bus Garage site, this property has a long history of spills, environmental investigations and remediation beginning in 1983. At that time, the property was owned by the Mercer County Improvement Authority. NJT owned the property from November 27, 1984 to May 19, 2005.

In 1996, five USTs were removed from the site. Visually impacted soil was excavated. Several soil sample results exceeded the standard for VOCs at the time; one sample was analyzed for PCBs, which were not detected (Dames and Moore, 1996).

Several investigations were subsequently conducted for soil and groundwater. Free product was observed on the water table. A soil and groundwater investigation was conducted as reported by Dames and Moore in 1998. Soil-vapor extraction and light non-aqueous phase liquid (LNAPL) recovery were implemented in 2000 as discussed in the Dames and Moore *Remedial Investigation/ Remedial Action Workplan*, dated August 4, 1999, and the URS *Progress Remedial Action Progress Report, September – December 2000*, dated July 27, 2001. A classification exception area (CEA) was established on August 1, 2001. The systems were operated for several years; however, the LNAPL was not completely remediated.

NJT transferred the property to the City of Trenton, who owned it from May 19, 2005 to November 25, 2008. The city apparently assumed responsibility for the site remediation. The LNAPL recovery system was shut down and additional soil excavation was performed in 2008. PCBs were not detected in the imported backfill. Groundwater investigations continued. In 2008, a 1,000-gallon heating oil UST was encountered during construction activities, and was subsequently removed (USA Environmental Management Inc., 2008). NJDEP issued an unrestricted NFA determination for this UST on February 23, 2009. No analysis for PCBs was reported.

L&F Urban Renewal Properties has owned the property since November 25, 2008. A deed notice dated October 16, 2016 was filed for PAHs and lead. Vegetative cover and concrete caps the deed notice area.

An RAR dated February 3, 2017 details the site history and recommends no further action for soil, with the deed notice and vegetative cap to remain. It also recommends no further action for groundwater and the lifting of the CEA (Sadat, 2017). An RAP for the soil was issued on October 6, 2017 and the site is subject to biennial certifications. A response action outcome (RAO) for restricted use was issued on January 12, 2018. The NJDEP removed the CEA on February 12, 2018.

3.5.3 Offsite Remedial Investigation – 2019

As previously stated, due to access issues, offsite RI activities could not be conducted concurrently with the onsite RI for the East Barracks Rail Yard. Wood conducted RI activities at AOC 2A and 2B as reported in the *Supplemental Remedial Investigation Report – Offsite Properties (AOC 2A and AOC 2B)*, dated June 3, 2019 and summarized below.

3.5.3.1 AOC-2A Offsite Property (PJ Hill Elementary School)

Soil samples for PCB analysis were collected from a total of 12 locations. These include three locations, PL-9 in 2002, E-5 in 2015 and E-36 in 2016, which are located outside the fence of the P.J. Hill Elementary School and were originally believed to be on Amtrak property⁵.

Analytical results for samples within the fenced property ranged from not detected to 0.772 mg/kg. (zero to 0.5-foot interval). PCBs were not detected in the 2.0 to 2.5-foot interval except for E-75-1 (0.246 mg/kg). This location was vertically delineated at 7.5-8.0 feet bgs.

Horizontal delineation was provided for each location by a step-out sample approximately 5 feet to the east of the original sample.

All locations where PCB results exceeded the RDCSRS of 0.2 mg/kg were located within 10 feet of the fence line. Locations PL-9 (0.0-0.5: 11 mg/kg and 2.0-2.5: 0.25 mg/kg), E-5 (0/5-1.0: 6.35 mg/kg, 2.0-2.5: 0.247 mg/kg, and 3.0-3.5: 0.103 mg/kg), and E-36 (0.5-1.0: Not Detected and 2.0-2.5: Not Detected) are located on the Amtrak side of the fence and not accessible to the public.

PCBs in soil were horizontally and vertically delineated on the offsite property to a maximum depth of 2.5 feet below the asphalt paving. PCBs at concentrations greater than the RDCSRS were present below the asphalt along the property fence line extending up to 10 feet into the school parking lot.

None of the results on the school side of the fence exceeded the NRDCSRS/TSCA limit of 1 mg/kg.

3.5.3.2 AOC-2B Offsite Property (Hutchinson Industries)

Samples in AOC 2B were collected from two Blocks/Lots. Locations E-76-1, E-76-2, and E-76-3 were located in Block 25401, Lot 2. PCB results for E-76-1 were 5.28 mg/kg from 0.5-1.0 feet bgs and 0.744 mg/kg at 3.0-3.5 feet bgs. Vertical delineation is provided by E-76-2 at 4.0-4.5 feet, where PCBs were not detected. PCBs were also not detected at E-76-3 from 0.5-1.0 feet bgs and 3.0-3.5 feet bgs, which completes delineation in this area.

On Block 1, samples were collected from 16 locations on the Amtrak side of the fence line along on the back side of a Hutchinson building. Sample results ranged from not detected to 2.07 mg/kg in E-77-2. The area around E-77 was vertically delineated by E-77-3 where PCBs were not detected from 5.5-5.0 feet bgs. Results for most of the samples that were collected behind the building indicated vertical delineation at 2.5 feet bgs.

PCBs in soil have been horizontally and vertically delineated on the property to a maximum depth of 4.0 feet in Lot 2 and 5.0 feet in Lot 1. PCBs at concentrations greater than the Soil Remediation

⁵ These locations are located outside the school fence and inside the Amtrak fenced property and will be included in AOC 1 onsite remedial actions.

Standards (SRS) are present along the property fence line extending up to 10 feet into the property.

Sample locations E-77 through E87 are located outside the Hutchinson Industries property fence line in an area of heavy brush and some debris. PCBs at concentrations greater than RDCSRS are present in surficial samples, generally between 0.5-1.0 feet bgs. At one location, PCBs are present at 4.5 feet bgs. The area is not accessible from the Hutchinson side of the fence. Access to the Amtrak side of the property is strictly restricted and not open to the public. Further, the area is not located in an area where any Amtrak operations personnel would have reason to enter. Therefore, there is minimal risk of exposure to PCBs in this AOC. This area is included in the remedial actions proposed in this RAWP.

3.5.4 P.J. Hill Elementary School AOC 2A Remedial Action - 2019

Amtrak conducted RA activities at AOC 2A in 2019. The RA consisted of excavation of soil in the area where PCBs were present at concentrations greater than the RDCSRS. The objective of the excavation was to remove PCBs to levels that allow unrestricted use of the property.

The scope of work for the RA included the excavation, loading into roll-off containers, transportation and offsite disposal of approximately 500 tons of soil, backfilling with clean fill approved by the LSRP, and restoration of blacktop and fencing to pre-existing conditions.

As described in the *Remedial Action Report – AOC 2A Patton J. Hill Elementary School*, dated May 20, 2020, the excavated area was covered by asphalt pavement. The asphalt was removed, an area that ran the length of the school and rail yard property line and was approximately 10 feet wide was excavated to a depth of up to 4 feet below ground surface. A total of 501 tons was removed for offsite disposal. Post-excavation samples were collected at the frequency required by the RAWP and results compared to the RDCSRS of 2 mg/kg. Once it was verified that the remaining soil met the RDCSRS, the area was restored with clean backfill, repaved and a new fence installed along the property line (Wood, 2020b).

Based on the property line survey, a small portion of the P.J. Hill Elementary School property is located on the Amtrak side of the fence. This area was not remediated in 2019 and will be addressed in this RAWP and RA.

4.0 Pre-Remediation Investigation

In 2020, Wood conducted additional investigation activities in AOC-1, AOC-2A and AOC-2B. The scope of the investigation was based on a detailed review of all sample results to date. Additional sample locations were designed to further refine the areas that require remediation.

A total of 252 samples was collected from 110 locations. The samples collected for the 2020 investigation were analyzed for PCBs and are listed in Table 1; analytical results are shown in Table 3 and on Figures 3 and 4. Samples were collected from the onsite rail yard area (AOC-1), the small portion of the P. J. Hill property (AOC 2A) that is on the Amtrak side of the boundary fence, and the offsite Hutchinson property (AOC-2B).

The results of the 2020 investigation are included in the comprehensive discussion of investigation results in Section 5.0 that presents all available data and provide the basis for the proposed RA.

4.1 Pre-Existing Data Evaluation

Wood reviewed the onsite and offsite data collected during the previous investigations for the Site. Based on this review, Additional sample locations were selected to refine the horizontal and vertical limits of contamination.

4.2 Quality Assurance/Quality Control

All field work was completed in accordance with the Quality Assurance Project Plan (QAPP) contained in Appendix B, as well as the TRSR, the FSPM, and applicable NJDEP guidance. All samples were analyzed by Alpha Analytical, NJDEP Certification MA935, located in Westborough, Massachusetts. The analytical method employed was USEPA SW846 8082A for PCBs.

4.2.1 Field Quality Control Samples

Duplicate samples and equipment blanks were collected at the frequency specified in the QAPP. The results for the equipment blanks are included in Table 2. A low level of Aroclor 1248 was detected in one sample. No PCBs were detected in any other equipment blanks for the duration of the sampling program.

Duplicate sample results are discussed under the specific AOC results section and included in Table 3. Duplicate samples were collected at:

E-108-3.0-3.5	E-167-0.5-1.0
E-110-0.5-1.0	E-171-0.5-1.0
E-126-0.5-1.0	E-175-0.5-1.0
E-127-0.5-1.0	E-176-2.0-2.5
E-136-0.5-1.0	E-193-0.5-1.0
E-142-2.0-2.5	E-198-0.5-1.0
E-164-0.5-1.0	

All duplicate results provided data that were consistent with the original samples.

4.2.2 Data Usability

Samples were reported in 16 delivery group (SDG) packages.

L2005778	L2007688
L2005946	L2007690
L2006151	L2007956
L2006460	L2008134
L2006705	L2008381
L2006870	L2008618
L2007286	L2008619
L2007485	L2008805

Wood reviewed all laboratory analytical data deliverables for completeness and general conformance with analytical requirements. The data reviewed are considered to be valid and useful for the intended purposes. All method specified calibrations and quality control performance criteria were met for these data, except as noted in the conformance/non-conformance summaries provided in the laboratory deliverable packages and below.

The laboratory data are reliable based upon compliance with sample holding times and precision and accuracy criteria for each analytical method, as well as the results of the analyses of blanks, within the limitations noted in the laboratory reports. For several samples, the laboratory reporting limit was greater than the SRS; however, the data were considered usable.

There were no significant events or seasonal variations that are known to have affected the sampling procedures or the results for the soil samples presented in this report. QC results for each SDG are discussed below.

4.2.2.1 SDG L2005778

L2005778-16, -17, and -21: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.2.2.2 SDG L2005946

L2005946-11, -13, -14, and -15: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.2.2.3 SDG L2006151

L2006151-14: The collection date and time on the chain of custody was 11-FEB-20 13:46; however, the collection date and time on the container label was 11-FEB-20 13:49. The collection date and time was reported as 11-FEB-20 13:46.

L2006151-16: The sample identified as "X-4_02112020" on the chain of custody was identified as "X-3_02112020" on the container label. The sample was reported as "X-4_02112020."

4.2.2.4 SDG L2006460

WG1340879: A matrix spike (MS) was not analyzed because the dilution required by the elevated concentrations of nontarget compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.

L2006460-01, -15, and WG1340879-5: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.2.2.5 SDG L2006705

L2006705-11: The sample identified as "E-129-2.0-2.5" on the chain of custody was identified as "E-128-2.0-2.5" on the container label. At Wood's request, the sample was reported as "E-129-2.0-2.5."

L2006705-05, -07, -12, -16, -17, -18, and -23: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.2.2.6 SDG L2006870

L2006870-04 and -05: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.2.2.7 SDG L2007286

L2007286-01, -02, -03, -04, -05, -07, -08, -10, -11, and -28: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.2.2.8 SDG L2007485

L2007485-06 and -07: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.2.2.9 SDG L2007688

L2007688-04: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.2.2.10 SDG L2007690

The WG1343647-4 MS recovery performed on L2007690-01 was below the acceptance criteria for Aroclor 1260 (0%) due to the concentration of this compound falling below the reported detection limit.

4.2.2.11 SDG L2007956

L2007956-14, -15, -16, and -17: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.2.2.12 SDG L2008134

L2008134-02: The reporting limit was 0.205 mg/kg, which was reported as greater than the target regulatory standard of 0.2 mg/kg. Because the total PCB result was 1.07 mg/kg, the result exceeds the standard and is considered usable.

4.2.2.13 SDG L2008381

L2008381-01, -13 and WG1344816-5: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.2.2.14 SDG L2008618

L2008618-01, -02, and -03: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.2.2.15 SDG L2008619

L2008619-07 and -08: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.2.2.16 SDG L2008805

L2008805-09, -11, -12, and -19: The surrogate recoveries were below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported.

4.3 Remedial Investigation Procedures

To minimize mobilizations, extra step-out samples were collected from some locations. The analyses of these extra samples were put on hold at the laboratory and only analyzed if necessary for further delineation. This technique reduced the number of sampling events and the disturbance to onsite and offsite operations.

4.3.1 Utility Survey

New Jersey One Call was used for utility clearance.

In addition, prior to sample collection, a utilities survey was conducted by Subsurface Environmental Technologies, LLC (SET) in August 2019. The purpose of the survey was to clear potential soil sample locations and to identify possible underground utilities to assist in the remedial design process.

SET contacted the City of Trenton Sewer Department, which provided historic documents pertinent to the survey area. To meet the objective of the investigation, SET used the electromagnetic (EM), the ground-penetrating radar (GPR), hand-held electromagnetic (HHEM), and radiofrequency (RF) methods.

SET detected several buried pipelines in the survey area. An important storm line was found that ran from a manhole in Cook Avenue to the north, then angled to the east along a gravel access road. This line intersected three manholes. To corroborate the presence and location of this line, SET contacted The City of Trenton Sewer Department who forwarded a map from 1994 showing this line to SET. The line was designated as Drain 18 and it ran from Cook Avenue to Olden Road, to the east. It indicated the pipe was 5.5 feet in diameter (also observed by SET when opening the manhole covers), showed a similar position, and confirmed that three manholes were present in the survey area.

SET detected a water line that ran from a manhole in Cook Avenue to the north. This line then angled to the west where it ran below an existing water cap next to the trailer. This line provided water to the trailer. It then continued to the west below the railroad fencing.

SET also detected a sewer line that ran from a manhole on Cook Avenue to the north in roughly the same orientation as the water line described above. This line also angled to the west and terminated at a large manhole cover next to the trailer.

Several electric and unknown lines were also detected and marked on the ground with spray paint. Numerous site photographs were taken in the field and included with the report. It is important to note that large soil containers were present in the western side of the survey area during the investigation. As a result, the survey crew did not have access to this area.

SET detected sections of buried railroad track in the eastern part of the survey area. The track exhibited strongly negative EM responses in areas directly over and adjacent to the tracks. SET noticed that the buried tracks were partly an extension of existing tracks that were observed at the ground surface to the east.

The utility survey report is included in Appendix C.

4.3.2 Survey Control

Soil sample locations were surveyed by Dennis W. Sklar, Inc. The horizontal datum used is the New Jersey State Plane Coordinate System, North American Datum (NAD 83) and the vertical datum is the North American Vertical Datum (NAVD 88). The primary control was established by a set of dual frequency global positioning system (GPS) units referencing a control monument published by The National Geodetic Survey.

Topographic surveys were conducted and provide the basis for figures in the Soil Erosion and Sediment Control Plan (Appendix F).

4.3.3 Soil Borings

For the pre-design investigation, all soil borings were advanced by hand auger due to various Site obstructions, including unused rail spurs, underground utilities, above ground debris and topography. Samples were screened with a portable photo-ionization detector (PID). The PID was calibrated at the beginning of the workday and calibration records were maintained along with field notes in a permanently bound field book or tablet. After the Site geologist collected samples from a six-inch interval for laboratory analysis, the soil core was logged. Following completion, each borehole was backfilled, and all equipment and tools were decontaminated. The boring logs are included in Appendix D.

4.3.4 Sampling Methods

Sampling was performed in accordance with the procedures described in the NJDEP FSPM.

Soil samples were collected using decontaminated stainless-steel hand augers in six-inch increments. The samples were homogenized in stainless-steel bowls that were decontaminated after each sample. Once a consistent physical appearance over the homogenized soil had been obtained, the soil was transferred into the sample container using the decontaminated stainless-steel scoop. After sample collection, the sample jar was placed in a Ziplock bag inside an iced cooler. The chain of custody was completed and kept with the cooler.

4.4 Pre-Remediation Investigation Results

The purpose of the pre-design investigation was to further refine the areas that require remediation. A total of 252 samples were collected from 110 locations. The samples collected for the supplemental investigation are listed in Table 1. Samples were collected from the onsite rail yard area (AOC-1), the portion of the P. J. Hill property (AOC 2A) that is located on the Amtrak side of the fence, and the offsite Hutchinson property (AOC-2B). The full analytical data packages are included in Appendix E. EDDs have been previously submitted to NJDEP via e-mail.

All samples collected for this phase were analyzed for PCBs only. The analytical results have been reviewed and evaluated with the historical data to provide the basis for horizontal and vertical limits of excavation, based on concentrations of PCBs greater than 50 mg/kg (designated TSCA waste) and between 0.2 mg/kg and 50 mg/kg (non-TSCA waste).

Specific results are incorporated into the analytical results discussed in Section 5.0.

5.0 Areas of Concern

Because this rail yard includes a portion of the Northeast Corridor rail line, excavation adjacent to the active line within the rail yard is precluded at this time for safety and operational reasons. This RAWP addresses the portion of the railyard that is to the east of the fence that bisects the railyard, which is safely accessible for excavation activities. Note that the portion of the active railyard to the west of the fence is covered by plastic sheeting overlain by several feet of ballast, which prevents direct contact with contaminated soil. Amtrak personnel are required to take appropriate safety precautions if their work requires contact with subsurface soil. Contamination to the west of the fence in the active rail yard will be addressed in a future RAWP.

The following sections provide a comprehensive summary of investigation results for the areas to be addressed within AOC-1, a portion of AOC 2A and AOC-2B, including all data that provide the basis for this RA. The AOCs are shown on Figure 2. Analytical data are provided on Figures 3 through 8.

5.1 AOC-1 Northern Area (Phase 1)

5.1.1 Polychlorinated Biphenyls

In 2020, samples were collected from an additional 31 locations in the northern area. These results have been evaluated with the previous PCB data to further define the horizontal and vertical boundaries where PCBs exceed the NRDCSRS. PCB results are included in Table 3.

Based on these results, the areas and depths to be excavated were refined from prior estimates. All PCB analytical results and areas to be excavated are shown on Figure 3.

5.1.2 Volatile Organic Compounds

Based on the RI results, VOCs in soil are not present in concentrations that exceed SRS or IGWSSL in the portion of the northern area to be remediated. Analytical results for VOCs were presented in the 2017 RIR and are shown on Figure 5. As discussed in Section 3.4.2, areas where VOC results exceeded applicable standards are located directly adjacent to the active Northeast Corridor Rail Line and will be addressed in a future RAWP.

5.1.3 Semi-Volatile Organic Compounds

Several PAH compounds exceed applicable standards at one location in the northern area, D-4. Based on the historical data, benzo(a)anthracene (0.67 mg/kg), benzo(a)pyrene (0.7 mg/kg), benzo(b)fluoranthene (2.4 mg/kg), and dibenz(a,h)anthracene (0.27 mg/kg) exceed SRS and/or IGWSSL at one location. This location has been delineated and is within an area to be excavated due to elevated PCBs in soil. Analytical results were presented in the 2017 RIR and are shown on Figure 8.

5.1.4 Metals

Based on the analytical data as reported in the 2017 RIR, results for select metals exceeded the applicable IGWSSL in one location, D-4, in the northern area. Analytical results for lead (230 mg/kg) and mercury (0.2 mg/kg) were greater than their respective IGWSSL. This location is within

an area to be excavated due to elevated PCBs in soil. Analytical results were presented in the 2017 RIR and are shown on Figure 6.

5.1.5 Pesticides

Based on the analytical data as reported in the 2017 RIR, results for pesticides did not exceed applicable SRS or IGWSSL in the northern portion of the rail yard. No remediation is required for pesticides in this area. Analytical results were presented in the 2017 RIR and are shown on Figure 7.

5.2 AOC-1 Southern Area (Phase 2)

5.2.1 Polychlorinated Biphenyls

In 2020, samples were collected from an additional 58 locations in the southern area. These results have been evaluated with the previous PCB data to further define the horizontal and vertical boundaries where PCBs exceed the NRDCSRS. PCB results are included in Table 3.

Based on these results, the areas and depths to be excavated have been refined from prior estimates. The analytical results and areas to be excavated are shown on Figure 4.

5.2.2 Volatile Organic Compounds

Based on the RI results, VOCs in soil are not present in concentrations that exceed SRS or IGWSSL in the southern area to be remediated. VOC results are shown on Figure 5. As discussed in Section 3.4.2, areas where VOC results exceeded applicable standards are located directly adjacent to the active Northeast Corridor Rail Line and will be addressed in a future RAWP.

5.2.3 Semi-Volatile Organic Compounds

Several SVOC compounds exceed applicable standards at three locations in the southern area, PL-12 (0.0-0.5), D-13 (0.0-0.5), and PL-1 (0.0-0.5). Based on the historical data, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenz(a,h)anthracene results exceeded SRS and/or IGWSSL. These locations have been delineated and are within the area to be excavated due to elevated PCBs in soil. Analytical results were presented in the 2017 RIR and are shown on Figure 8.

5.2.4 Metals

Based on the analytical data as reported in the 2017 RIR, results for select metals exceeded the applicable IGWSSL in three locations, D-13, PL-1 and PL-12, in the southern area. Analytical results for antimony, beryllium, lead, and mercury were greater than their respective IGWSSL. These locations are within areas to be excavated due to elevated PCBs in soil. Analytical results were presented in the 2017 RIR and are shown on Figure 6.

5.2.5 Pesticides

Based on the analytical data as reported in the 2017 RIR, results for pesticides exceeded the NRDCSRS for dieldrin in D-13 (0.0-0.5) at 0.35 mg/kg. Location D-13 has been delineated and is located within the area to be excavated due to PCBs in soil. Pesticide results were presented in the 2017 RIR and are shown on Figure 7.

5.3 AOC-2A P. J. Hill Elementary School Property

As previously discussed based on a boundary survey, a small portion of the P.J. Hill school property was found to be located on the East Barracks side of the property fence line. This area was not remediated in 2019 with the majority of the P. J. Hill property.

In 2020, soil samples were collected from three additional locations in AOC-2A, for a total of six locations investigated in this area. Analytical results ranged from Not Detected (ND) to 11 mg/kg. Results greater than the RDCSRS were present at depths up to 2.5 feet bgs. Analytical results are included in Table 3 and Figure 3. This area is included in the planned exaction area indicated on Figure 3.

5.4 AOC-2B Hutchinson Property

Based on the extensive investigation activities on the rail yard as reported in the 2017 RIR, only PCBs had not been delineated to RDCSRS at the rail yard boundary. Wood conducted offsite RI activities as reported in the 2019 RIR. While PCBs were delineated for purposes of the RI, additional sampling was conducted in order for further define the area that required remediation.

As a result, sampling and analysis for PCBs was conducted in the adjacent offsite AOC-2B Hutchinson Property.

In 2020, soil samples were collected from an additional 20 locations for a total of 49 locations on the Hutchinson property. PCB results ranged from Not Detected (ND) to 5.28 mg/kg. The depths where PCB results exceeded the RDCSRS ranged from 0.5 feet bgs to 4.5 feet bgs. Analytical results are included in Table 3 and shown on Figure 3. The excavation area is for AOC 2B is indicated on Figure 3.

It should be noted that the fence that is present on the Hutchinson property does not reflect the property line. The actual property line is further to the west of the fence (Figure 2).

6.0 Remedial Action

As previously discussed, investigation activities have been conducted sitewide. Based on the analytical results, areas identified in this RAWP to be addressed by the proposed RA have been defined as AOC 1, AOC 2A and AOC 2B:

- AOC 1: Onsite area to the east of the fence that bisects the Site. Excavation to the west of the Site cannot be conducted safely as long due to rail yard and Northeast Corridor operations.
- AOC 2A: Offsite area that is part of the PJ Hill property but is inside the East Barracks property fence line. All soil with PCBs in excess of the RDCSRs of 0.2 mg/kg that was outside of the fence line was remediated in 2019. Only a small portion of the soil remains to be addressed under the proposed RA.
- AOC 2B: Offsite area that is part of the industrial Hutchinson property.

6.1 Summary of Nature and Extent of Contamination

PCBs are the primary contaminants of concern at this Site. Minor amounts of PAHs, metals and dieldrin exist at low concentrations. Addressing PCBs in soil will also address these other parameters that have exceeded applicable standards.

Residual amounts of Aroclor 1260, the dominant PCB type present at the Site, remain in shallow soil due to the compound's stability and resistance to biodegradation. The chemical stability of Aroclor 1260 also typically limits its mobility to deeper soils or groundwater in the environment. One additional PCB Aroclor, 1254, was also detected in two locations, PL-A (260 mg/kg) and E-72 (0.261 mg/kg). These areas will be included in the remediation.

Onsite PCB contamination is defined for remediation purposes as the area containing PCB concentrations exceeding 1 mg/kg (AOC 1). Offsite AOC 2A and 2B are defined as the areas with total PCB concentrations exceeding 0.2 mg/kg.

Approximately half of the contaminated soil is within the upper two feet beneath the ground cover (ballast and/or gravel) and the remaining contaminated soil is limited to the top four feet beneath the ground cover, which is typical of PCBs released into the environment. Comprehensive PCB soil analytical data accumulated from multiple soil sampling events in the areas to be excavated are presented on Figures 3 and 4. Areas to be excavated are also shown in the approved Soil Erosion and Sediment Control Plan (SESCP) provided in Appendix F.

The estimated total area containing total PCB Aroclors that exceed applicable standards is approximately 112,514 square feet and is comprised of 16 delineation areas, including the offsite area (see Appendix F). Horizontal and vertical delineation to the applicable standard was achieved in all areas except at the northern and southern ends of the Site where rail equipment precludes additional sampling.

The final limits of the excavations will be determined by post-excavation verification sampling.

6.2 Remedial Action Description

The remedial goals for AOC 1 are the NRDCSRS for PCBs, PAHs, metals and dieldrin. The remedial goal for AOC 2A and 2B is the RDCSRS for PCBs, which will allow unrestricted use of the offsite property.

The areas to be excavated have been further defined as exhibiting PCBs greater than 0.2 mg/kg but less than 1 mg/kg, greater than 1 mg/kg but less than 50 mg/kg and greater than 50 mg/kg. The quantities provided below are based on the most current data.

Phase	Area	Conc (mg/kg)	Area (sf)	Depth (ft)	Volume (cy)
South	EX-1	> 50	4,067	4	603
South	EX-2	< 50	45,833	2	3,395
South	EX-3	> 50	1,542	2	114
South	EX-4	< 50	1,147	4	170
South	EX-5	< 50	9,224	4	1367
North	EX-6	< 50	5,895	2	437
North	EX-7	> 50	1,425	2	106
North	EX-8	< 50	6,528	2	484
North	EX-9	> 50	1,760	2	130
North	EX-10	> 50	973	4	144
North	EX-11	> 50	6,245	2	463
North	EX-12	< 50	7,447	2	552
North	EX-13	< 50	5,558	4	823
North	EX-14	> 50	2,883	4	427
North	OFFSITE AOC-2A	> 0.2	1,507	4	22
North	OFFSITE AOC-2B	> 0.2	10,480	4	1,553
Total			112,514		10,991

The RA will be conducted in multiple phases. Phase 1 will include the offsite properties (AOC 2A and 2B) and adjacent portions of the northern area. Phase 2 will include the remainder of the northern area and Phase 2 will address the southern area. Preliminary remediation drawings are included in the approved SESCO (Appendix F).

6.3 Site Preparation and Controls

Prior to initiating soil remedial activities, the Site controls listed below will be implemented.

- A health and safety plan (HASP) will be developed specifically for the planned work activities. All workers will follow applicable Federal and State regulations regarding work activities, including but not limited to Occupational Safety and Health Administration (OSHA) regulations, respiratory protection, personal protective equipment (PPE), etc. This will include establishment of an Exclusion Zone (EZ), Contamination Reduction Zone (CRZ), and Support Zone (SZ) during excavation of all contaminated soil.
- Additional notifications and plans required for the work activities will be prepared and submitted to the NJDEP and local officials, as needed. In accordance with NJDEP regulations, all work will be overseen by a New Jersey LSRP.
- Prior to any work, the boundaries of the excavation areas will be marked, properly secured, and a utility mark-out will be requested from NJ One-Call. An underground utility survey was conducted in 2019; results are included in Appendix C.
- Soil erosion and sediment control measures will be constructed in accordance with the SESCO that was approved by the Mercer County Soil Conservation District. The SESCO is included in Appendix F.
- Railroad tracks within the area to be excavated will be removed prior to soil excavation. Tracks will be re-used or recycled as scrap metal.
- Railroad ties within the area to be excavated will be removed prior to soil excavation. Railroad tie disposition, whether disposal or reuse, will be completed in accordance with Federal, State, and local regulations.
- Tracking Pads will be established at the exit from the work area to prevent tracking of contaminated soil to uncontaminated areas.
- A truck wash station will be established at the exit from the work area.
- A contaminated soil stockpile/soil staging area will be established and operated in a manner to prevent contaminant release to the environment. The stockpile will not remain on the Site for more than 180 days. The final location of the stockpile/storage area is to be established during preparation of construction plans. This area will be utilized to temporarily store secure, lined, covered, and marked roll-off waste containers and/or lined and covered soil stockpiles until transportation offsite for proper disposal. Temporary berms or other soil erosion control measures will be constructed around this area. Additional soil erosion measures as required by the SESCO will be implemented. Access to the active soil stockpile and storage areas will be controlled through temporary fencing with controlled access points.
- Water misting will be used as a dust suppressant in the work zone but not as a means to control wind dispersion of stockpiled material. Stockpile materials will be covered daily. Every effort will be made to prevent fugitive dust or runoff from reaching any sensitive receptors or ecologically sensitive areas.

Air monitoring will be conducted during the active removal and handling of PCB-contaminated soils. To reduce dust levels and exposures to dust, a combination of engineering controls and PPE will be implemented as part of the work activities. The perimeter air monitoring plan is discussed in Section 7.5.

6.4 Mobilization

This task comprises the mobilization of the field office and equipment to the Site. Security will be provided by placement of a temporary chain-link fence equipped with a visual screen. Work zones will be established and marked. Mobilization will also include the marking of the area requiring excavation by a NJ Licensed Land Surveyor and utility mark out by the construction contractor.

The construction contractor will mobilize trailer, sanitation facilities, generator, equipment (excavator, front loader etc.), temporary fencing, soil erosion and sediment control measures to the Site and have a utility mark out conducted.

Vegetation will be cleared from the excavation area and fence removed, as necessary. Silt fence will be installed along the boundaries of the excavation and protection of the stormwater drains on the Site will be installed in accordance with the SESCO.

The laydown and storage area will be established on the Site in an area readily proximate to the area to be excavated.

Prior to the initiation of work, photo documentation of existing site conditions will be performed to provide a baseline for final site restoration.

6.5 Soil Removal

The horizontal and vertical limits of excavation have been determined by the results of multiple in-situ soil investigations conducted between 2002 and 2017. As described in Section 5.0, PCBs are the driving contaminant for the RA. Small areas where PAHs, metals and dieldrin are present will be removed with the PCB-contaminated soil.

The areas containing soil where PCBs exceed the applicable standard will be excavated along with any overlying ballast and transported offsite to a designated facility for disposal as bulk PCB remediation waste.

Soil removal is proposed in the areas presented in Figures 3 and 4. and in Appendix F. The total footprint of the areas subject to excavation encompasses approximately 112,514 square feet. Soil excavation depths will extend up to 4 feet bgs. Excavated areas and depths will be verified by post-excavation sampling.

Impacted soil will be excavated to the depths indicated in the remediation drawings. Based on PCB soil concentration, impacted soil will be transported to either a Subtitle D landfill or a TSCA landfill (including Subtitle C landfills permitted to receive PCB remediation waste).

Waste characterization samples will be collected for extractable petroleum hydrocarbons, VOCs, SVOCs, total metals, PCBs, toxicity characteristic leaching procedure Resource Conservation and Recovery Act metals, reactivity (sulfide, cyanide), ignitibility, pH and paint filter test.

Water entering the excavation will be collected and sampled for offsite disposal, if necessary. Dust suppression will occur concurrently with excavation activities.

Post-excavation sampling of soils will be performed to verify that the remedial goal for soil has been achieved. Sample locations will be surveyed by a NJ-licensed surveyor.

6.6 Dewatering

Although the planned maximum excavation depth is not anticipated to intersect the top of the water table, it may be necessary to dewater certain excavations periodically/temporarily after rain events. Dewatering equipment that will be used includes pumping equipment (e.g., trash pumps) hoses and piping, and sump construction. Anticipated dewatering rates are less than 5,000 gallons per day. Accumulated water will be pumped to onsite frac tanks and sampled prior to offsite disposal.

6.7 Backfilling

Excavation backfilling will be performed upon receipt of the analytical results for the confirmation soil samples and verification that the results show PCB concentrations remaining in-place meet applicable standards. The excavation will be dewatered, if necessary, to remove free standing water and backfilled with fill approved by the LSRP in accordance with the technical specifications and NJDEP requirements. The backfill will be compacted using mechanical compaction methods. Soil will be placed and compacted to 95% of maximum proctor density in 1-foot lifts via nuclear gauge methods (ASTM D6938) at a minimum frequency of one per 900 square feet. The approved backfill will be installed to within one foot of grade, after which the remaining surface restoration will be placed (e.g., 6 inches of gravel road base or topsoil for vegetation).

6.8 Waste Storage and Disposal

The following activities will be completed with regard to the proper storage and disposal of PCB remediation wastes in accordance with 40 CFR § 761.65(c)(9):

At the end of each workday, any open excavations will be secured by temporary fencing and lined with plastic;

A secure, lined, covered, and marked waste container (roll-off or equivalent) will be staged for the collection of PCB wastes greater than 50 mg/kg generated during the work activities in accordance with 40 CFR § 761.65.

Alternatively, soil may be temporarily stockpiled on plastic liner or direct loaded in transportation vehicles for temporary staging, sampling and analyses and eventual shipment to the disposal facility based on the soil acceptance procedure. A contaminated soil stockpile/soil staging area will be established and operated in a manner to prevent contaminant release to the environment in accordance with 764.65(c)(9). The stockpile will not remain onsite for more than 180 days. The final location of the stockpile/storage area will be established during preparation of construction plans. This area will be utilized to temporarily store secure, lined, covered, and marked roll-off waste containers and/or lined and covered soil stockpiles until transportation offsite for proper disposal. Temporary berms or other soil erosion control measures will be constructed around this area. All additional soil erosion measures as required by the Mercer County Soil Conservation

District will be observed. Access to the active soil stockpile and storage areas will be controlled through temporary fencing with controlled access points.

Containers will be properly labeled and marked in accordance with 40 CFR § 761.40.

Upon completion of the work or when a container is considered full, the waste will be transported offsite under manifests or bills of lading for disposal at an approved disposal facility. Soils classified as TSCA waste (greater than 50 mg/kg) will be segregated for disposal at a TSCA waste landfill or a Subtitle C landfill permitted for the disposal of PCB remediation waste.

Soil classified as non-hazardous waste (less than 50 mg/kg) may be placed in a separate waste container or temporarily stockpiled on plastic liner and will be segregated for disposal at a non-hazardous waste disposal facility.

Soil stockpiles will be surrounded with hay bales and shall be covered with plastic overnight, and at all times until disposal.

Copies of manifests, waste shipment records, bills of lading, and certificates of disposal will be collected and provided as part of the final remedial action report to USEPA.

Equipment will be decontaminated in accordance with 40 CFR § 761.79.

6.9 Equipment Decontamination Procedures

At the completion of use, construction equipment parts that were in contact with contaminated media will be decontaminated prior to demobilization. A dedicated decontamination pad will be constructed for this operation. Equipment tracks, excavator buckets, loader buckets and hand tools will be thoroughly cleaned with a pressure washer and soap. Truck tires will be inspected and washed as necessary within a truck wash station prior to leaving the Site. Decontamination (decon) wash water (including that generated from washing vehicles and equipment) from equipment will be collected, containerized and managed as TSCA waste. Additionally, the decontamination pad will likewise be disposed as a PCB-contaminated material. All personnel controls/equipment cabs will be thoroughly cleaned and wiped down with a soap/water wash.

6.10 Site Restoration

Following completion of backfill, excavated areas will be restored to pre-existing conditions consisting of gravel road area and vegetation. The restoration plan is included the Appendix F drawings.

6.11 Demobilization

All areas disturbed as a result from the RA will be restored. Prior to demobilization, Site clean-up activities will be performed to remove any debris, stockpiled materials, tools and waste related to the remedial activities. Once the Wood engineer confirms that the Site is orderly/clean and decontamination procedures are complete, authorization to demobilize remaining materials, Site personnel and equipment will be granted. Temporary facilities and subcontractors will also be demobilized.

7.0 Monitoring Plan

Sampling and analysis will be conducted in accordance with the Site-specific QAPP provided in Appendix B and as required by the USEPA approved SICP.

7.1 Confirmation Soil Sampling

The areas to be excavated have been defined by known level of contamination and applicable remediation standards, as discussed in Section 6.2. Sixteen discrete areas have been identified based on current data. Proposed verification sample locations are presented on Figures 9 and 10.

7.1.1 Sampling Plan

In order to concurrently comply with TSCA and NJDEP requirements, base samples will be collected using a 20-foot grid and sidewall samples will be collected at a rate of one sample per 30 linear feet of sidewall. The verification samples and locations will be consistent with the NJDEP *Technical Guidance for Site Investigation of Soil, Remedial Investigation of Soil, and Remedial Action Verification Sampling for Soil*, dated March 2015.

The process for locating post-excavation samples is as follows.

1. Once the pre-determined depth limits have been reached, the base of the excavation will be divided into grids with 20 feet by 20 feet spacing; one verification sample will be collected at each grid square; a minimum of four discrete base samples will be collected from each excavation.
2. Select one sidewall sample location for every 30 linear feet of sidewall or other appropriate spacing based on the configuration of the excavation to demonstrate horizontal compliance with the remediation standards. Collect samples at the top and bottom of each sidewall to demonstrate vertical compliance with the remediation standards. Bias sidewall sample locations and sample depths for each sidewall to the highest concentration based on RI delineation sample depth, type and characteristics of contaminant, and other indicators of potential contamination. Adjust sample depths based on the depth at which contaminants were discharged (surface versus subsurface) and the type and characteristics of the contaminants that will affect contaminant fate and migration.
3. If the analytical result from one grid square or sidewall show total PCB concentrations of less than the applicable standard, the area within that grid square will be considered clear for backfilling. If the analytical results from a grid square are greater than the applicable standard, an additional layer of soil will be removed from that grid square and the grid square will be resampled and analyzed. The depth of the additional excavation layer will be determined based on the analytical results and professional judgment. This procedure will continue until the sample results are below the applicable standard for total PCBs.

Wood will provide measurements in the field to determine sample locations, which will be surveyed by a New Jersey licensed surveyor.

In areas that have exhibited exceedances of applicable standards for PAHs, metals and/or dieldrin, samples will also be analyzed for these parameters.

In addition to the samples indicated above, in accordance with the NJDEP FSPM, duplicate samples will be collected at a frequency of one per 20 samples and field blank samples will be collected at a frequency of one per day. These samples will be submitted to the laboratory as part of the quality assurance/quality control (QA/QC) procedures associated with sample collection.

Samples will be transported to the laboratory under standard chain of custody procedures and analyzed for PCBs using USEPA Method 8082A, SVOCs by 8270D, metals by 6010C, and dieldrin by 8081B.

7.1.2 Confirmation Sample Identification

A unique project specific sample identifier will be assigned to each soil sample. The sample identifier will be entered on the chain of custody and noted in the logbook to track sample results. For verification soil samples, field personnel will use the format of “aa#-bb#cc(dd)” to assign unique identifiers for each soil sample:

- aa = Acronym (EB for onsite East Barracks; PJH for AOC 2A and HUT for AOC 2B) and number (#) designating Excavation Area
- bb = sample type (SW = sidewall, B = base) and number (#)
- cc = cardinal direction within excavation area (N=north, S=south, NW=northwest, etc.)
- (dd) = six-inch depth interval, e.g., 0 – 0.5, 2.0-2.5.

An example of a sample identifier for a verification soil sample is EB1-SW1N(1.5-2.0).

After each sample is labeled, field personnel will transfer the identical information from the label to a chain-of-custody form. The chain-of-custody form is a serialized document and provides a detailed summary form for the analytical laboratory to track samples. A map of each excavation showing sampling locations will also be prepared for reporting purposes. If a verification sample needs to be collected at the same location, each sample will be labeled similarly; e.g., relative to the example above: EB1-SW1N(2.5-3.0).

Blind duplicate samples will be labeled as “XX-” and the date of sample collection. Field blanks will be labeled with FB and date.

7.2 Waste Characterization Samples

Remedial activities will generate approximately 11,000 cubic yards of soil containing PCBs with concentrations greater than 1 mg/kg. PCB waste characterization will be performed to develop waste profiles and to identify waste disposal facilities using composite sampling methods with one sample per each 250 tons of soil generated or as in accordance with the disposal facility requirements.

Soil will be segregated by PCB concentrations less than 50 mg/kg and greater than 50 mg/kg. Grab samples will be collected from areas that best represent the waste stream being evaluated

for disposal. Composite samples will be homogenized in a disposable aluminum pan and the sample transferred into a clean sample jar.

Liquid waste characterization samples will be collected from drums or other containers using a drum thief or disposable poly-bailer. If two distinct phases of liquid are present in a drum, two separate drum thieves or bailers will be used to separately sample each phase. The sample(s) will be transferred into a container appropriate for the requested analysis.

7.3 Sampling Equipment Decontamination

Equipment (sampling bowls and trowels) will be cleaned before initiating Site work. Non dedicated sampling equipment will be decontaminated after each use. Cleaning will consist of hand washing using a laboratory-grade non-phosphate detergent, potable water, and scrub brushes, followed by a potable water rinse. Sampling equipment that directly contacts sample media (e.g., bowls) will be cleaned either using the following procedure:

1. Wash with potable water and a brush to remove particulate matter;
2. Wash with Alconox® (or equivalent) and potable water or distilled water;
3. Rinse with distilled water;
4. Allow equipment to dry; and
5. Wrap equipment with aluminum foil.

Field personnel will designate a decontamination area onsite prior to beginning excavation activities. The decontamination area will be covered with polyethylene sheeting to collect fluids produced during decontamination activities. Decontamination fluids will be containerized in steel 55-gallon drums or frac tanks.

7.4 Soil Sample Shipping Procedures

Immediately following sample collection, labeled sample containers will be placed in an insulated cooler containing crushed ice to chill samples to below 4°C. To prevent the sample labels from getting wet and to contain any breakage during shipment, each set of sample containers will be placed in zip-lock bags prior to being placed in the sample shipping container, (e.g. cooler). For those containers where the labels cannot be read once the container is prepared for shipment, the sample identification number, date, and time will be recorded on the outer zip-lock bag with an indelible marker. Field personnel will wrap glass containers with bubble wrap or other appropriate padding to prevent breakage during transport. Field personnel will follow the following steps for sample shipment:

1. Place the chain-of-custody record in a sealed bag and place chain of custody in cooler.
2. Seal the cooler with packing tape
3. Apply a custody seal on the cooler lid (if a third-party commercial courier is used).
4. Label coolers with job name, job number, date, time, contact name, and phone number.

5. Ship by third-party commercial courier or transfer directly to laboratory courier.

Wood will use chain of custody procedures to establish, document, and maintain custody of field samples. A complete chain of custody record will accompany samples during collection, during shipment to the laboratory, and during analysis. When transferring samples, the individuals relinquishing and receiving will sign, date, and note the time on the chain of custody record. Two copies (including the original) will accompany the samples to the laboratory. One copy will remain with the field team. The following information will be provided on the chain of custody form:

- Site name
- Sample identification
- Date and time of sample collection
- Name and signature of sampler
- Sample preservation
- Matrix
- Type of analysis
- Signature(s) of individual involved in sample transfers
- Delivery of samples to the laboratory and storage at 4°C or below

7.5 Perimeter Air Monitoring Plan

Air monitoring will be performed and documented whenever soils are being disturbed or processed. Airborne particulates will be continuously monitored throughout each workday at four Site locations using particulate dust monitors (Dust TRAK Aerosol Monitors) equipped with data loggers (one-minute average) and alarms. One air monitoring station will be established upwind of the work area, and three will be placed downwind of the work zone perimeter. Portable units will be used within the work zone.

If the action levels identified in the Perimeter Air Monitoring Plan (PAMP) are exceeded, the Wood field manager will immediately implement PAMP procedures including establishing a plan for reducing the dust levels at the Site. Suppression measures will typically include (but will not be limited to) spraying the ground surface or soil stockpiles with water to control fugitive dust. The PAMP is included in Appendix G.

Airborne particulate matter consists of many different substances suspended in air in the form of particles (solids or liquid droplets) that vary widely in size. Inhalation hazards are caused if the intake of these particles includes intake of vapors and/or contaminated dust. Particles less than 10 micrometers in diameter (PM₁₀), which include both respirable fine (less than 2.5 micrometers) and coarse (less than 10 micrometers) dust particles, pose the greatest potential health concern because they can pass through the nose and throat and get into the lungs.

During the performance of the planned remediation activities, particulate matter in the form of potentially PCB-affected dust may be generated. Dust may also contain elevated levels of arsenic, polynuclear aromatic hydrocarbons, pesticides and VOCs. The greatest potential for the

generation of affected dust is during the excavation and handling of contaminated soil. The primary dust control mechanism to be employed on the project will be the use of engineering controls (e.g. wetting the soils) and PPE. In addition, particulate air monitoring will be conducted during intrusive or dust-generating activities in the support zone (SZ) and perimeter of the exclusion zone (EZ). The SZ is the area just outside of the active work areas, in designated safe work zones or support zones. Particulate air monitoring will determine if fugitive dust particles are present in the ambient air within the designated SZ and/or at the EZ perimeter during active removal activities.

One air monitoring station will be located upwind of the EZ to represent background conditions and one station downwind of the EZ monitor potential receptors of soil disturbance activities. Up to two additional stations will be located in the SZ between the offsite school/residences and the EZ to monitor more sensitive receptors. The locations of the monitoring stations will be determined daily based on wind direction and potential receptors. Additionally, the perimeter air monitoring technician (PAMT) will have a mobile particulate dust meter to monitor specific areas based on Site conditions.

Dust concentrations in the SZ will be measured using a suitable real-time aerosol particulate monitor capable of determining ambient air fugitive dust concentrations to 0.001 milligrams per cubic meter (mg/m^3) and continuous electronic data logging at an appropriate time interval (e.g. concentration would be logged every 15 seconds). Air monitoring will be conducted while active removal activities are occurring, and readings will be recorded in the field book at a frequency of one reading per hour. Air monitoring equipment will be operated by the PAMT. Prior to the active removal actions and at periodic points during the project, air monitoring readings will be recorded to document background particulate matter concentrations.

If total particulate concentrations in the SZ or at the perimeter of the EZ exceed the action limit of $0.1 \text{ mg}/\text{m}^3$ above background (as specified below and incorporating background readings) and are sustained (i.e. greater than 15 minutes), an alarm will notify the PAMT and then additional dust suppression techniques to mitigate fugitive dust will be initiated. If applicable, the dust suppression techniques will involve the application of a fine mist of water over the area creating the fugitive dust condition. The water will be applied either by small hand-held sprayers, sprinklers, or hose nozzles. In the event that the total of airborne particulate cannot be maintained below the action limit in the SZ and at the perimeter of the EZ, then work activities will cease until sustained readings are below the action limit or the SZ or EZ designation is re-evaluated.

OSHA has published the following permissible exposure limits (PEL) (8-hour time weighted average [TWA]) for air contaminants (29 CFR § 1910.1000; Table Z-1).

Air Contaminant	PEL (8-hour TWA)
Total Dust	15 mg/m^3
Respirable Dust Fraction	5 mg/m^3
PCBs (54% Chlorine)	0.5 mg/m^3

In addition, USEPA has established a National Ambient Air Quality Standard for PM₁₀ of 0.150 mg/m³ (24-hr average).

A total airborne particulate action limit has been established for the soil excavation work to be conducted with consideration of the specific receptors, work activities, and OSHA PELs. The action limit applies only to air monitoring within the SZ and perimeter to the EZ; an action limit has not been set for the active work zones (exclusion zones) as engineering controls will be used within these zones.

Given the maximum anticipated PCB concentration in dust that may be generated during remedial activities, a conservative action limit of 0.1 mg/m³ above background will be maintained during Site work. Air monitoring at a location representative of background air conditions (i.e. a location upwind of the work area) will be conducted at the same frequency as SZ monitoring to obtain data representative of real-time background conditions. The action limit will be used to determine if and when additional engineered controls, PPE, and/or work stoppages would be necessary.

Air monitoring equipment will be calibrated according to manufacturer's specifications. Weather and other site conditions will affect the normal operation of the equipment, which will require routine maintenance. Weather conditions will be noted on daily air monitoring logs. It is expected that dust or other particulate matter will not be a concern on rainy or misty days.

7.6 Quality Assurance Project Plan

A Site-wide QAPP has been developed for the Site in accordance with NJDEP requirements (Appendix B). Specific information related to the project is summarized in the following sections.

7.6.1 Data Quality Objectives

Indicators of data quality, which include precision, accuracy (bias), representativeness, comparability, completeness, and sensitivity will be compared to specified acceptance criteria to ensure investigation objectives are met, as outlined in the QAPP.

7.6.2 Quality Control Sampling

Field data quality objectives for the sampling activities to be performed include: (1) collection of samples representative of Site conditions, (2) obtain meaningful data that demonstrate the PCB impacted soil has been removed to the project cleanup levels (for confirmatory samples), and (3) collection of duplicate samples (1 per 20 samples) and field blanks (collected from water run over decontaminated sampling equipment once per day).

7.6.3 Laboratory Quality Assurance/Quality Control

Once the laboratory has logged in the samples, their progress through preparation and analysis will be tracked and monitored. The approved/certified laboratory will appropriately store and analyze samples as required by the USEPA test method for the sample. Required laboratory QC checks, their required frequency, the established control limits, and the actions to be taken if the control limits are exceeded will be completed in accordance with the test method requirements. A quality control package will be provided with the laboratory data containing results for the field

duplicate sample and the laboratory matrix spike and matrix spike duplicate for each batch of 20 samples.

7.6.4 Data Review and Usability

All aspects of the project (e.g. field monitoring activities and laboratory analyses) will be examined to determine if any problems were encountered that might jeopardize the usability of the data for its intended purpose.

8.0 Permits and Notifications

Permits and notifications potentially required for execution of this RAWP were evaluated and are discussed below.

8.1 Permits

8.1.1 Soil Erosion and Sediment Control

Certification from the Mercer County Soil Conservation District (MCSCD) Soil Erosion and Sediment Control Plan Certification is required for land disturbance greater than 5,000 square feet. The SESCO has been approved by the MCSCD and is included in Appendix F.

8.1.2 City of Trenton Permits

The city of Trenton Water Department requires a permit to access fire hydrants. Water for site activities may be supplied via a connection to an existing fire hydrant proximate to the Site entrance on North Cook Avenue. A City of Trenton Hydrant Use permit will be secured by the contractor, if necessary.

Any other permits required by the City will be procured by the construction contractor.

8.1.3 Self-Implementing Cleanup Plan

In accordance with TSCA, a SICP for PCB remediation has been submitted to USEPA Region 2. The SICP was approved on March 13, 2020 (Appendix A).

8.2 Public Notification

Public notification in accordance with ARRCs has been performed by posting a sign near the site entrance. Documentation of public notice was provided to NJDEP on February 14, 2019.

8.3 LSRP Submittals

Several forms will be certified by the LSRP and submitted to the NJDEP online with this RAWP, including:

- CID Spreadsheet
- Authorization to Submit a Remedial Phase Report through the NJDEP online portal

An AOC-specific remedial action report will be prepared subsequent to the completion of all RA for AOC 1, 2A and 2B.

9.0 Fill Use Plan

This Fill Use Plan is based on the most recent version of the NJDEP *Fill Material Guidance for SRP Sites* (April 2015), hereinafter referred to as the NJDEP Fill Guidance. The Fill Use Plan addresses clean fill from an offsite source(s).

9.1 Imported Clean Fill

Backfill and materials for site restoration include:

- ¾ inch (nominal) clean Dense Graded Aggregate (DGA)

The sources of this material will be provided by the construction contractor for LSRP approval prior to mobilization. This submission will include documentation, as detailed below, from the source of each type of backfill is “clean”, i.e., all constituents are at or below NJ RDCSRS.

Sampling and analysis of the fill materials is required to be conducted in accordance with the NJDEP Fill Guidance. Documentation that the data for each type of fill meets this requirement shall be submitted by the contractor. Analytical results, as well as source information, will be included in the RAR for this project.

9.2 Fill Use Plan Documentation

The following information is required in accordance with Appendix B of the NJDEP Fill Guidance. Required information is provided below. This information will be provided by the construction contractor and will be documented in the RAR.

1. The location of the site of use and donor site(s) including state, county, municipality, address, block, and lot number.
 - a. To be provided by construction contractor
2. The names, contact information, and relationship of all persons involved with the source, preparation, and transport of the fill from the donor site to the receiving site.
 - a. To be provided by construction contractor
3. A description of the origination or donor site or AOC including use history from a PA or site review.
 - a. To be provided by construction contractor
4. The volumes of alternative fill or clean fill to be used or imported.
 - a. Estimated 11,000 cubic yards
5. Identification of the specific location(s) on the site where the use will occur on a properly scaled map.
 - a. See Figures 3 and 4, and approved SESCO (Appendix F).
6. The depth of groundwater on the receiving site, including method of determination.

- a. The depth to groundwater is approximately between 5 and 8 feet bgs.
7. The description of the geotechnical properties of the fill appropriate for the intended use.
 - a. DGA
8. The use of the area(s) of the receiving and donor site being as specific as possible.
 - a. The receiving site is a railyard and adjacent industrial property. All imported fill will be covered with gravel road base or topsoil and vegetation.
9. A discussion of the performance, effectiveness, and reliability of the proposed fill use and any potential negative impacts to human health, safety or the environment as a result of the use pursuant to the requirements at N.J.A.C.7:26E-6.4(d).
 - a. Fill used as backfill will meet applicable NJDEP requirements for unrestricted use; thus there are no potential negative impacts to human health, safety or the environment.
10. The tracking and QC requirements to ensure all shipments received are of the fill from the approved donor site(s).
 - a. For imported soil materials, weight tickets and virgin source letters or analytical results will be required for all incoming shipments of material.
11. The field sampling and QAPP where new data is generated.
 - a. The documentation (e.g., data deliverables) that the clean fill meets all applicable remediation standards and criteria and is free of extraneous debris or solid waste.

Documentation will be provided in the RAR to include:

- Field daily report(s) documenting the absence of field evidence of contamination, disturbance and/or suspect fill, extraneous debris or solid waste in the overburden soil to be reused as clean fill.
- Field daily report(s) documenting the absence of field evidence of contamination, extraneous debris or solid waste in load(s) of clean fill imported from an offsite source.
- If imported, clean fill certification from the offsite supplier with associated sample results appropriate for the source (quarry/mine/commercial supplier) compared to the NJDEP SRS.

All imported fill sources and fill characteristics will be approved by the LSRP prior to placement on the Site.

10.0 Site Restoration

Subsequent to the removal of contaminated soil, the Site will be restored to pre-existing conditions. Site restoration will include the following tasks.

- The base of the excavation will be compacted to achieve a minimum 95% density compaction. Compaction testing will be performed by a geotechnical laboratory retained by the contractor.
- DGA will be placed in 12-inch lifts and compacted to a minimum of 95% Proctor density. Compaction testing will be performed by a geotechnical laboratory retained by the contractor.
- The road base or vegetated areas will be replaced “in-kind” to match the existing conditions and as provided is the design specifications (Appendix F). The grade of the replacement paving will also be replaced “in-kind” so as to maintain the existing sheet flow towards the west.

11.0 Schedule

Remediation activities will be initiated after submittal of this plan and procurement of the remedial contractor by Amtrak. Due to the proximity of P.J. Hill Elementary School, which is located adjacent to the Site at the Site entrance, field activities are to be limited to summer months (July and August) commencing in July 2021. It is anticipated that the soil removal activities described in this plan will occur over three summer seasons. Remedial activities will be documented and completed in accordance with any conditions contained within USEPA's SICP approval. A tentative schedule is provided below:

Project Schedule During Each Annual RA Period

Task	Days
Mobilization	5
Clearing and Grubbing	5
Soil Erosion/Sediment Control Measures	2
Excavation, Sampling, Backfill	15
Loadout and Offsite Disposal	5
Site Restoration	5

12.0 Remedial Action Report

In accordance with N.J.A.C. 7:26E-5.7, a Remedial Action Report (RAR) will be submitted to the NJDEP. The RAR will include the information specified in N.J.A.C. 7:26E-5.7. The RAR will describe the RA implemented at the site and provide all necessary supporting data to demonstrate that the RA is complete. The RAR will include the following:

1. The general reporting requirements in N.J.A.C. 7:26E-1.6;
2. A presentation and discussion of all the information identified or collected, pursuant to N.J.A.C. 7:26E-1.10 through 1.16 and an updated receptor evaluation;
3. A summary of the findings and recommendations for each area of concern from the remedial investigation report prepared pursuant to N.J.A.C. 7:26E-4.9;
4. A description of the RA implemented;
5. A list of the remediation standards that apply to the RA;
6. Documentation that the RA is effective in protecting the public health and safety and the environment by demonstrating compliance with the applicable remediation standards;
7. "As-built" diagrams for any permanent structures associated with the RA;
8. A detailed description of site restoration activities;
9. The total remediation costs through the implementation of the RA;
10. Documentation of all types and quantities of waste generated by the RA, including copies of fully executed manifests or bill(s) of lading documenting off-site transport of waste;
11. Documentation of the source, type, quantities, and location of each clean fill used as part of the RA at the site; and
12. A description of each permit required and obtained to implement the RA.

13.0 References

- Amec Foster Wheeler, 2016. Receptor Evaluation (RE) Form
- Amec Foster Wheeler, 2017. Remedial Investigation Report, May 2017
- Dames and Moore, 1996. Underground Storage Closure Report, NJ Transit – Mercer Bus Garage, November 5
- Dames and Moore, 1999. Remedial Investigation/Remedial Action Workplan, August 4
- N.J.A.C. 7:1E Discharges of Petroleum and other Hazardous Substances Rules
- N.J.A.C. 7:26C. Administrative Requirements for the Remediation of Contaminated Sites
- N.J.A.C. 7:26D. Remediation Standards
- N.J.A.C. 7:26E. Technical Requirements for Site Remediation
- New Jersey Statutes Annotated 58:C-1 et seq., Site Remediation Reform Act
- New Jersey Statutes Annotated 58:10-23.11 Spill Compensation and Control Act
- NJDEP, 1996. Letter from Vince S. Krisak, Bureau of Field Operations to E. J. Garcia, III, Trenton Board of Education – Administration
- NJDEP, 2001. Classification Exception Area (CEA) and Well Restriction Area (WRA)
- NJDEP, 2002. Letter from Estavon Posey, Enforcement Unit to Joyce Kersey, Board President, Trenton Board of Education.
- NJDEP, 2009. Letter from Kirstin Hahn, Bureau of Case Assignment and Initial Notice to JR Carpasso, City of Trenton Department of Housing and Economic Development, Re: Unrestricted Use No Further Action and Covenant Not to Sue. February 23, 2009
- NJDEP, 2005. Field Sampling Procedures Manual, August, Updated April 2011
- NJDEP, 2008. Guidance for the Evaluation of Immobile Chemicals for the Impact to Ground Water Pathway, June 2, 2008
- NJDEP, 2010. Technical Guidance for the Attainment of Remediation Standards and Site-Specific Criteria, Version 1.0, September 24, 2012
- NJDEP, 2015a. Technical Guidance for Site Investigation of Soil, Remedial Investigation of Soil, and Remedial Action Verification Sampling for Soil, March, Version 1.2
- NJDEP, 2015b. Fill Material Guidance for SRP Sites
- NJDEP, 2016. Electronic Data Interchange Manual, September 2016,
<http://www.state.nj.us/dep/srp/hazsite/docs/edi/>

- NJDEP, 2017. Soil Remedial Action Permit; New Jersey Transit Former Mercer Bus Garage A/K/A: Hutchinson Industries, Inc. October 6, 2017
- NJDEP, 2020. Coordination of NJDEP and USEPA PCB Remediation Policies
- NJT, 1999. Memorandum from Jim Samuelson, General Superintendent, Newark Division and Stephen Klejst, Assistant General Manager, Safety and Training to Newark Division Employees and Staff, Notice: County and East Barracks Yards, December 29, 1999
- Roux, 2002. Remedial Investigation Work Plan, March 6, 2002
- Roux, 2003. Draft Remedial Investigation Report
- Sadat Associates Inc., 2017. Remedial Action Report for the City of Trenton Former NJ Transit Bus Garage. February 3, 2017
- Schoor DePalma, Inc., 1995 Underground Storage Tank Closure Site Investigation Report, August 1995
- USA Environmental Management, Inc. 2008. UST Closure Report, November 7, 2008
- URS, 2001. First Quarter Progress Remedial Action Progress Report, September – December 2000, July 27, 2001
- USEPA. 1976. Toxic Substances Control Act 15 U.S.C. §2601 et seq. 1976
- Wood, 2019. Supplemental Remedial Investigation Report – Offsite Properties (AOC 2A and AOC 2B), East Barracks Rail Yard, East State Street & South Olden Avenue, Trenton, Mercer County, NJ 08611, NJDEP Case No, 00-03-20-1219-43, Program Interest No. G00043212, June 14, 2019
- Wood, 2020a. Self-Implementing Cleanup Plan, January 27, 2020
- Wood, 2020b. Remedial Action Report – AOC 2A Patton J. Hill Elementary School, May 20, 2020



wood.

Tables



Table 1
Summary of Pre-Remediation Sampling Program
East Barracks Rail Yard
Trenton, New Jersey

Sample ID	Lab Sample ID	Date Collected	Media	Parameter
E-97-0.5-1.0	L2007956-16	2/21/2020	SOIL	PCB
E-97-3.0-3.5	L2007956-17	2/21/2020	SOIL	PCB
E-98-0.5-1.0	L2008618-01	2/26/2020	SOIL	PCB
E-98-3.0-3.5	L2008618-02	2/26/2020	SOIL	PCB
E-98-4.0-4.5	L2008618-03	2/26/2020	SOIL	PCB
E-99-0.5-1.0	L2007956-14	2/21/2020	SOIL	PCB
E-99-3.0-3.5	L2007956-15	2/21/2020	SOIL	PCB
E-100-0.5-1.0	L2008134-04	2/24/2020	SOIL	PCB
E-101-0.5-1.0	L2008618-07	2/26/2020	SOIL	PCB
E-101-3.0-3.5	L2008618-08	2/26/2020	SOIL	PCB
E-102-0.5-1.0	L2008134-08	2/24/2020	SOIL	PCB
E-102-3.0-3.5	L2008134-09	2/24/2020	SOIL	PCB
E-103-0.5-1.0	L2008134-11	2/24/2020	SOIL	PCB
E-103-3.0-3.5	L2008134-12	2/24/2020	SOIL	PCB
E-104-0.5-1.0	L2008134-13	2/24/2020	SOIL	PCB
E-104-3.0-3.5	L2008134-14	2/24/2020	SOIL	PCB
E-105-0.5-1.0	L2008134-15	2/24/2020	SOIL	PCB
E-105-3.0-3.5	L2008134-16	2/24/2020	SOIL	PCB
E-105-4.0-4.5	L2008134-17	2/24/2020	SOIL	PCB
E-106-0.5-1.0	L2008618-09	2/26/2020	SOIL	PCB
E-106-4.0-4.5	L2008618-10	2/26/2020	SOIL	PCB
E-107-0.5-1.0	L2008134-05	2/24/2020	SOIL	PCB
E-107-3.0-3.5	L2008134-06	2/24/2020	SOIL	PCB
E-107-4.0-4.5	L2008134-07	2/24/2020	SOIL	PCB
E-108-0.5-1.0	L2008618-04	2/26/2020	SOIL	PCB
E-108-3.0-3.5	L2008618-05	2/26/2020	SOIL	PCB
E-108-4.0-4.5	L2008618-06	2/26/2020	SOIL	PCB
E-109-0.5-1.0	L2008134-01	2/24/2020	SOIL	PCB
E-109-3.0-3.5	L2008134-02	2/24/2020	SOIL	PCB
E-109-4.0-4.5	L2008134-03	2/24/2020	SOIL	PCB
E-110-0.5-1.0	L2007956-11	2/21/2020	SOIL	PCB
E-110-3.0-3.5	L2007956-12	2/21/2020	SOIL	PCB
E-110-4.0-4.5	L2007956-13	2/21/2020	SOIL	PCB
E-111-0.5-1.0	L2007956-08	2/21/2020	SOIL	PCB
E-111-4.0-4.5	L2007956-09	2/21/2020	SOIL	PCB
E-111-5.0-5.5	L2007956-10	2/21/2020	SOIL	PCB
E-112-0.5-1.0	L2007956-06	2/21/2020	SOIL	PCB
E-112-3.0-3.5	L2007956-07	2/21/2020	SOIL	PCB

Table 1
Summary of Pre-Remediation Sampling Program
East Barracks Rail Yard
Trenton, New Jersey

Sample ID	Lab Sample ID	Date Collected	Media	Parameter
E-113-0.5-1.0	L2007690-04	2/20/2020	SOIL	PCB
E-113-2.0-2.5	L2007690-05	2/20/2020	SOIL	PCB
E-114-0.5-1.0	L2007956-04	2/21/2020	SOIL	PCB
E-114-3.0-3.5	L2007956-05	2/21/2020	SOIL	PCB
E-115-0.5-1.0	L2007956-01	2/21/2020	SOIL	PCB
E-115-2.0-2.5	L2007956-02	2/21/2020	SOIL	PCB
E-116-0.5-1.0	L2007690-01	2/20/2020	SOIL	PCB
E-116-2.0-2.5	L2007690-02	2/20/2020	SOIL	PCB
E-116-4.0-4.5	L2007690-03	2/20/2020	SOIL	PCB
E-117-0.5-1.0	L2007688-04	2/20/2020	SOIL	PCB
E-117-2.0-2.5	L2007688-05	2/20/2020	SOIL	PCB
E-117-3.0-3.5	L2007688-06	2/20/2020	SOIL	PCB
E-118-0.5-1.0	L2007688-01	2/20/2020	SOIL	PCB
E-118-2.0-2.5	L2007688-02	2/20/2020	SOIL	PCB
E-118-3.0-3.5	L2007688-03	2/20/2020	SOIL	PCB
E-119-0.5-1.0	L2005778-22	2/7/2020	SOIL	PCB
E-119-2.0-2.5	L2005778-23	2/7/2020	SOIL	PCB
E-119-3.0-3.5	L2005778-24	2/7/2020	SOIL	PCB
E-120-0.5-1.0	L2007688-07	2/20/2020	SOIL	PCB
E-120-2.0-2.5	L2007688-08	2/20/2020	SOIL	PCB
E-120-3.0-3.5	L2007688-09	2/20/2020	SOIL	PCB
E-121-0.5-1.0	L2005778-16	2/7/2020	SOIL	PCB
E-121-2.0-2.5	L2005778-17	2/7/2020	SOIL	PCB
E-121-3.0-3.5	L2005778-18	2/7/2020	SOIL	PCB
E-122-0.5-1.0	L2005946-08	2/10/2020	SOIL	PCB
E-122-2.0-2.5	L2005946-09	2/10/2020	SOIL	PCB
E-123-0.5-1.0	L2005778-19	2/7/2020	SOIL	PCB
E-123-2.0-2.5	L2005778-20	2/7/2020	SOIL	PCB
E-123-3.0-3.5	L2005778-21	2/7/2020	SOIL	PCB
E-124-0.5-1.0	L2005778-26	2/7/2020	SOIL	PCB
E-124-2.0-2.5	L2005778-27	2/7/2020	SOIL	PCB
E-125-0.5-1.0	L2007688-10	2/20/2020	SOIL	PCB
E-125-2.0-2.5	L2007688-11	2/20/2020	SOIL	PCB
E-125-3.0-3.5	L2007688-12	2/20/2020	SOIL	PCB
E-126-0.5-1.0	L2005778-28	2/7/2020	SOIL	PCB
E-126-2.0-2.5	L2005778-29	2/7/2020	SOIL	PCB
E-127-0.5-1.0	L2005946-11	2/10/2020	SOIL	PCB

Table 1
Summary of Pre-Remediation Sampling Program
East Barracks Rail Yard
Trenton, New Jersey

Sample ID	Lab Sample ID	Date Collected	Media	Parameter
E-127-2.0-2.5	L2005946-12	2/10/2020	SOIL	PCB
E-128-0.5-1.0	L2006705-07	2/13/2020	SOIL	PCB
E-128-2.0-2.5	L2006705-08	2/13/2020	SOIL	PCB
E-129-0.5-1.0	L2006705-10	2/13/2020	SOIL	PCB
E-129-2.0-2.5	L2006705-11	2/13/2020	SOIL	PCB
E-130-0.5-1.0	L2006705-01	2/13/2020	SOIL	PCB
E-130-2.0-2.5	L2006705-02	2/13/2020	SOIL	PCB
E-131-0.5-1.0	L2006705-06	2/13/2020	SOIL	PCB
E-132-0.5-1.0	L2006705-04	2/13/2020	SOIL	PCB
E-132-2.0-2.5	L2006705-05	2/13/2020	SOIL	PCB
E-133-0.5-1.0	L2006705-12	2/13/2020	SOIL	PCB
E-133-2.0-2.5	L2006705-13	2/13/2020	SOIL	PCB
E-134-0.5-1.0	L2008619-03	2/26/2020	SOIL	PCB
E-134-2.0-2.5	L2008619-04	2/26/2020	SOIL	PCB
E-135-0.5-1.0	L2008619-07	2/26/2020	SOIL	PCB
E-135-2.0-2.5	L2008619-08	2/26/2020	SOIL	PCB
E-136-0.5-1.0	L2006705-16	2/13/2020	SOIL	PCB
E-136-2.0-2.5	L2006705-17	2/13/2020	SOIL	PCB
E-136-3.0-3.5	L2006705-18	2/13/2020	SOIL	PCB
E-136-4.0-4.5	L2006705-19	2/13/2020	SOIL	PCB
E-137-0.5-1.0	L2006705-20	2/13/2020	SOIL	PCB
E-137-2.0-2.5	L2006705-21	2/13/2020	SOIL	PCB
E-138-0.5-1.0	L2007286-05	2/18/2020	SOIL	PCB
E-138-2.0-2.5	L2007286-06	2/18/2020	SOIL	PCB
E-139-0.5-1.0	L2005946-14	2/10/2020	SOIL	PCB
E-140-0.5-1.0	L2005946-15	2/10/2020	SOIL	PCB
E-141-0.5-1.0	L2008805-11	2/27/2020	SOIL	PCB
E-141-2.0-2.5	L2008805-12	2/27/2020	SOIL	PCB
E-142-0.5-1.0	L2006460-15	2/12/2020	SOIL	PCB
E-142-2.0-2.5	L2006460-16	2/12/2020	SOIL	PCB
E-142-3.0-3.5	L2006460-17	2/12/2020	SOIL	PCB
E-142-4.0-4.5	L2006460-18	2/12/2020	SOIL	PCB
E-143-0.5-1.0	L2006460-25	2/12/2020	SOIL	PCB
E-143-2.0-2.5	L2006460-26	2/12/2020	SOIL	PCB
E-144-0.5-1.0	L2006460-22	2/12/2020	SOIL	PCB
E-144-2.0-2.5	L2006460-23	2/12/2020	SOIL	PCB
E-145-0.5-1.0	L2006460-19	2/12/2020	SOIL	PCB

Table 1
Summary of Pre-Remediation Sampling Program
East Barracks Rail Yard
Trenton, New Jersey

Sample ID	Lab Sample ID	Date Collected	Media	Parameter
E-145-2.0-2.5	L2006460-20	2/12/2020	SOIL	PCB
E-146-0.5-1.0	L2007286-07	2/18/2020	SOIL	PCB
E-146-2.0-2.5	L2007286-08	2/18/2020	SOIL	PCB
E-146-3.0-3.5	L2007286-09	2/18/2020	SOIL	PCB
E-146-4.0-4.5	L2007286-10	2/18/2020	SOIL	PCB
E-147-0.5-1.0	L2006460-07	2/12/2020	SOIL	PCB
E-147-2.0-2.5	L2006460-08	2/12/2020	SOIL	PCB
E-148-0.5-1.0	L2007286-11	2/18/2020	SOIL	PCB
E-148-2.0-2.5	L2007286-12	2/18/2020	SOIL	PCB
E-149-0.5-1.0	L2006460-04	2/12/2020	SOIL	PCB
E-149-2.0-2.5	L2006460-05	2/12/2020	SOIL	PCB
E-150-0.5-1.0	L2006151-04	2/11/2020	SOIL	PCB
E-150-2.0-2.5	L2006151-05	2/11/2020	SOIL	PCB
E-151-0.5-1.0	L2006151-09	2/11/2020	SOIL	PCB
E-152-0.5-1.0	L2006460-01	2/12/2020	SOIL	PCB
E-152-2.0-2.5	L2006460-02	2/12/2020	SOIL	PCB
E-152-4.0-4.5	L2006460-03	2/12/2020	SOIL	PCB
E-153-0.5-1.0	L2006460-10	2/12/2020	SOIL	PCB
E-153-2.0-2.5	L2006460-11	2/12/2020	SOIL	PCB
E-154-0.5-1.0	L2008805-13	2/27/2020	SOIL	PCB
E-154-2.0-2.5	L2008805-14	2/27/2020	SOIL	PCB
E-155-0.5-1.0	L2006460-12	2/12/2020	SOIL	PCB
E-155-2.0-2.5	L2006460-13	2/12/2020	SOIL	PCB
E-156-0.5-1.0	L2008805-15	2/27/2020	SOIL	PCB
E-157-0.5-1.0	L2008805-16	2/27/2020	SOIL	PCB
E-158-0.5-1.0	L2006151-01	2/11/2020	SOIL	PCB
E-159-0.5-1.0	L2008381-06	2/25/2020	SOIL	PCB
E-159-2.0-2.4	L2008381-07	2/25/2020	SOIL	PCB
E-160-0.5-1.0	L2005778-10	2/6/2020	SOIL	PCB
E-160-2.0-2.5	L2005778-11	2/6/2020	SOIL	PCB
E-161-0.5-1.0	L2005778-08	2/6/2020	SOIL	PCB
E-162-0.5-1.0	L2005946-04	2/10/2020	SOIL	PCB
E-163-0.5-1.0	L2006151-06	2/11/2020	SOIL	PCB
E-163-2.0-2.5	L2006151-07	2/11/2020	SOIL	PCB
E-164-0.5-1.0	L2008805-04	2/27/2020	SOIL	PCB
E-164-2.0-2.5	L2008805-05	2/27/2020	SOIL	PCB
E-165-0.5-1.0	L2008381-10	2/25/2020	SOIL	PCB

Table 1
Summary of Pre-Remediation Sampling Program
East Barracks Rail Yard
Trenton, New Jersey

Sample ID	Lab Sample ID	Date Collected	Media	Parameter
E-165-2.0-2.5	L2008381-11	2/25/2020	SOIL	PCB
E-166-0.5-1.0	L2008381-08	2/25/2020	SOIL	PCB
E-166-2.0-2.5	L2008381-09	2/25/2020	SOIL	PCB
E-167-0.5-1.0	L2008381-13	2/25/2020	SOIL	PCB
E-167-2.0-2.5	L2008381-14	2/25/2020	SOIL	PCB
E-168-0.5-1.0	L2008381-01	2/25/2020	SOIL	PCB
E-168-2.0-2.5	L2008381-02	2/25/2020	SOIL	PCB
E-169-0.5-1.0	L2007485-24	2/19/2020	SOIL	PCB
E-169-2.0-2.5	L2007485-25	2/19/2020	SOIL	PCB
E-170-0.5-1.0	L2008381-04	2/25/2020	SOIL	PCB
E-170-2.0-2.5	L2008381-05	2/25/2020	SOIL	PCB
E-171-0.5-1.0	L2005778-12	2/6/2020	SOIL	PCB
E-171-2.0-2.5	L2005778-13	2/6/2020	SOIL	PCB
E-172-0.5-1.0	L2005946-06	2/10/2020	SOIL	PCB
E-172-2.0-2.5	L2005946-07	2/10/2020	SOIL	PCB
E-173-0.5-1.0	L2007485-21	2/19/2020	SOIL	PCB
E-173-2.0-2.5	L2007485-22	2/19/2020	SOIL	PCB
E-174-0.5-1.0	L2008805-01	2/27/2020	SOIL	PCB
E-174-2.0-2.5	L2008805-02	2/27/2020	SOIL	PCB
E-174-3.5-4.0	L2008805-03	2/27/2020	SOIL	PCB
E-175-0.5-1.0	L2007485-16	2/19/2020	SOIL	PCB
E-175-2.0-2.5	L2007485-17	2/19/2020	SOIL	PCB
E-176_0.5-1.0	L2006151-13	2/11/2020	SOIL	PCB
E-176_2.0-2.5	L2006151-14	2/11/2020	SOIL	PCB
E-177_0.5-1.0	L2006151-10	2/11/2020	SOIL	PCB
E-177_2.0-2.5	L2006151-11	2/11/2020	SOIL	PCB
E-178-0.5-1.0	L2005778-05	2/6/2020	SOIL	PCB
E-178-2.0-2.5	L2005778-06	2/6/2020	SOIL	PCB
E-179-0.5-1.0	L2005946-01	2/10/2020	SOIL	PCB
E-179-2.0-2.5	L2005946-02	2/10/2020	SOIL	PCB
E-180-0.5-1.0	L2007485-19	2/19/2020	SOIL	PCB
E-180-1.5-2.0	L2007485-20	2/19/2020	SOIL	PCB
E-181-0.5-1.0	L2007485-14	2/19/2020	SOIL	PCB
E-181-1.5-2.0	L2007485-15	2/19/2020	SOIL	PCB
E-182-0.5-1.0	L2007485-12	2/19/2020	SOIL	PCB
E-182-1.5-2.0	L2007485-13	2/19/2020	SOIL	PCB
E-183-0.5-1.0	L2007485-08	2/19/2020	SOIL	PCB

Table 1
Summary of Pre-Remediation Sampling Program
East Barracks Rail Yard
Trenton, New Jersey

Sample ID	Lab Sample ID	Date Collected	Media	Parameter
E-183-1.5-2.0	L2007485-09	2/19/2020	SOIL	PCB
E-184-0.5-1.0	L2007485-10	2/19/2020	SOIL	PCB
E-184-1.5-2.0	L2007485-11	2/19/2020	SOIL	PCB
E-185-0.5-1.0	L2007485-06	2/19/2020	SOIL	PCB
E-185-1.5-2.0	L2007485-07	2/19/2020	SOIL	PCB
E-186-0.5-1.0	L2005778-03	2/6/2020	SOIL	PCB
E-186-1.5-2.0	L2005778-04	2/6/2020	SOIL	PCB
E-187-0.5-1.0	L2005778-01	2/6/2020	SOIL	PCB
E-187-1.5-2.0	L2005778-02	2/6/2020	SOIL	PCB
E-188-0.5-1.0	L2007286-26	2/18/2020	SOIL	PCB
E-188-1.5-2.0	L2007286-27	2/18/2020	SOIL	PCB
E-189-0.5-1.0	L2007485-01	2/19/2020	SOIL	PCB
E-189-1.5-2.0	L2007485-02	2/19/2020	SOIL	PCB
E-190-0.5-1.0	L2006870-09	2/14/2020	SOIL	PCB
E-190-1.5-2.0	L2007286-14	2/18/2020	SOIL	PCB
E-191-0.5-1.0	L2006870-01	2/14/2020	SOIL	PCB
E-191-1.5-2.0	L2007286-15	2/18/2020	SOIL	PCB
E-192-0.5-1.0	L2006870-02	2/14/2020	SOIL	PCB
E-192-1.5-2.0	L2007286-16	2/18/2020	SOIL	PCB
E-193-0.5-1.0	L2007286-17	2/18/2020	SOIL	PCB
E-193-2.0-2.5	L2007286-18	2/18/2020	SOIL	PCB
E-193-3.0-3.5	L2007286-19	2/18/2020	SOIL	PCB
E-194-0.5-1.0	L2007286-23	2/18/2020	SOIL	PCB
E-194-2.0-2.5	L2007286-24	2/18/2020	SOIL	PCB
E-194-3.0-3.5	L2007286-25	2/18/2020	SOIL	PCB
E-195-0.5-1.0	L2007286-20	2/18/2020	SOIL	PCB
E-195-2.0-2.5	L2007286-21	2/18/2020	SOIL	PCB
E-195-3.0-3.5	L2007286-22	2/18/2020	SOIL	PCB
E-196-0.5-1.0	L2007485-03	2/19/2020	SOIL	PCB
E-196-2.0-2.5	L2007485-04	2/19/2020	SOIL	PCB
E-196-3.0-3.5	L2007485-05	2/19/2020	SOIL	PCB
E-197-0.5-1.0	L2006870-03	2/14/2020	SOIL	PCB
E-198-0.5-1.0	L2006870-06	2/14/2020	SOIL	PCB
E-198-2.0-2.5	L2006870-07	2/14/2020	SOIL	PCB
E-198-3.0-3.5	L2006870-08	2/14/2020	SOIL	PCB
E-199-0.5-1.0	L2006870-04	2/14/2020	SOIL	PCB
E-199-2.0-2.5	L2006870-05	2/14/2020	SOIL	PCB

Table 1
Summary of Pre-Remediation Sampling Program
East Barracks Rail Yard
Trenton, New Jersey

Sample ID	Lab Sample ID	Date Collected	Media	Parameter
E-200-0.5-1.0	L2008381-16	2/25/2020	SOIL	PCB
E-200-2.0-2.5	L2008381-17	2/25/2020	SOIL	PCB
E-201_0.5-1.0	L2006151-02	2/11/2020	SOIL	PCB
E-201_2.0-2.5	L2006151-03	2/11/2020	SOIL	PCB
E-202-0.5-1.0	L2008805-17	2/27/2020	SOIL	PCB
E-203-0.5-1.0	L2008619-01	2/26/2020	SOIL	PCB
E-203-2.0-2.5	L2008619-02	2/26/2020	SOIL	PCB
E-204-0.5-1.0	L2007286-01	2/18/2020	SOIL	PCB
E-204-2.0-2.5	L2007286-02	2/18/2020	SOIL	PCB
E-204-3.0-3.5	L2007286-03	2/18/2020	SOIL	PCB
E-204-4.0-4.5	L2007286-04	2/18/2020	SOIL	PCB
E-205-0.5-1.0	L2008805-06	2/27/2020	SOIL	PCB
E-205-2.0-2.5	L2008805-07	2/27/2020	SOIL	PCB
E-205-3.0-3.5	L2008805-08	2/27/2020	SOIL	PCB
E-206-0.5-1.0	L2008805-09	2/27/2020	SOIL	PCB
E-206-2.0-2.5	L2008805-10	2/27/2020	SOIL	PCB
EB-1-020620	L2005778-15	2/6/2020	WATER	PCB
EB-2-020720	L2005778-33	2/7/2020	WATER	PCB
EB-3-021020	L2005946-16	2/10/2020	WATER	PCB
EB-4_02112020	L2006151-17	2/11/2020	WATER	PCB
EB-5-02122020	L2006460-29	2/12/2020	WATER	PCB
EB-6-02132020	L2006705-24	2/13/2020	WATER	PCB
EB-7-02142020	L2006870-11	2/14/2020	WATER	PCB
EB-8-02182020	L2007286-29	2/18/2020	WATER	PCB
EB-9-02192020	L2007485-27	2/19/2020	WATER	PCB
EB-10-02202020	L2007688-13	2/20/2020	WATER	PCB
EB-11-02212020	L2007956-18	2/21/2020	WATER	PCB
EB-12-02242020	L2008134-18	2/24/2020	WATER	PCB
EB-13-02252020	L2008381-20	2/25/2020	WATER	PCB
EB-14-02262020	L2008619-09	2/26/2020	WATER	PCB
EB-15-02272020	L2008805-18	2/27/2020	WATER	PCB
X01-020620 (DUP of E-171-0.5-1.0)	L2005778-14	2/6/2020	SOIL	PCB
X-10-02212020 (DUP of E-110-0.5-1.0)	L2007956-19	2/21/2020	SOIL	PCB
X-11-02252020 (DUP of E-167-0.5-1.0)	L2008381-19	2/25/2020	SOIL	PCB

Table 1
Summary of Pre-Remediation Sampling Program
East Barracks Rail Yard
Trenton, New Jersey

Sample ID	Lab Sample ID	Date Collected	Media	Parameter
X-12-02262020 (DUP of E-108-3.0-3.5)	L2008619-10	2/26/2020	SOIL	PCB
X-13-02272020 (DUP of E-164-0.5-1.0)	L2008805-19	2/27/2020	SOIL	PCB
X-2-0207202 (DUP of E-126-0.5-1.0)	L2005778-32	2/7/2020	SOIL	PCB
X-3-02102020 (DUP of E-127-0.5-1.0)	L2005946-13	2/10/2020	SOIL	PCB
X-4_02112020 (DUP of E-176-2.0-2.5)	L2006151-16	2/11/2020	SOIL	PCB
X-5-02122020 (DUP of E-142-2.0-2.5)	L2006460-28	2/12/2020	SOIL	PCB
X-6-02132020 (DUP of E-136-0.5-1.0)	L2006705-23	2/13/2020	SOIL	PCB
X-7-02142020 (DUP of E-198-0.5-1.0)	L2006870-10	2/14/2020	SOIL	PCB
X-8-02182020 (DUP of E-193-0.5-1.0)	L2007286-28	2/18/2020	SOIL	PCB
X-9-02192020 (DUP of E-175-0.5-1.0)	L2007485-28	2/19/2020	SOIL	PCB

Notes:

EB - Field Equipment Blank

DUP - Duplicate

Table 2
QA/QC Results - Field Equipment Blanks
East Barracks Rail Yard
Trenton, New Jersey

LOCATION	EB-1-020620		EB-2-020720		EB-3-021020		EB-4_02112020		EB-5-02122020		EB-6-02132020		EB-7-02142020		EB-8-02182020		EB-9-02192020	
SAMPLING DATE	2/6/2020		2/7/2020		2/10/2020		2/11/2020		2/12/2020		2/13/2020		2/14/2020		2/18/2020		2/19/2020	
LAB SAMPLE ID	L2005778-15		L2005778-33		L2005946-16		L2006151-17		L2006460-29		L2006705-24		L2006870-11		L2007286-29		L2007485-27	
UNITS	ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Polychlorinated Biphenyls by GC																		
Aroclor 1016	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1221	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1232	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1242	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1248	0.25	U	0.25	U	0.25	U	0.158	J	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1254	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1260	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1262	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1268	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
PCBs, Total	0.25	U	0.25	U	0.25	U	0.158	J	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U

Notes:

ug/l - micrograms per liter

U - Not detected at reporting limit

Table 2
QA/QC Results - Field Equipment Blanks
East Barracks Rail Yard
Trenton, New Jersey

LOCATION	EB-10-02202020		EB-11-02212020		EB-12-02242020		EB-13-02252020		EB-14-02262020		EB-15-02272020	
SAMPLING DATE	2/20/2020		2/21/2020		2/24/2020		2/25/2020		2/26/2020		2/27/2020	
LAB SAMPLE ID	L2007688-13		L2007956-18		L2008134-18		L2008381-20		L2008619-09		L2008805-18	
UNITS	ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Polychlorinated Biphenyls by GC												
Aroclor 1016	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1221	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1232	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1242	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1248	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1254	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1260	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1262	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1268	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
PCBs, Total	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U

Notes:

ug/l - micrograms per liter

U - Not detected at reporting limit

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-97-0.5-1.0		E-97-3.0-3.5		E-98-0.5-1.0		E-98-3.0-3.5		E-98-4.0-4.5		E-99-0.5-1.0		E-99-3.0-3.5																		
	L2007956-16		L2007956-17		L2008618-01		L2008618-02		L2008618-03		L2007956-14		L2007956-15 R1																		
	2/21/2020		2/21/2020		2/26/2020		2/26/2020		2/26/2020		2/21/2020		2/21/2020																		
	0.5-1.0		3.0-3.5		0.5-1.0		3.0-3.5		4.0-4.5		0.5-1.0		3.0-3.5																		
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL				
POLYCHLORINATED BIPHENYLS (PCB) BY GC																															
Aroclor 1016	1	0.2	0.2	0.804	U	0.804	0.0714	0.82	U	0.82	0.0728	0.774	U	0.774	0.0687	4.06	U	4.06	0.36	0.761	U	0.761	0.0676	19.9	U	19.9	1.76	0.788	U	0.788	0.07
Aroclor 1221	1	0.2	0.2	0.804	U	0.804	0.0806	0.82	U	0.82	0.0822	0.774	U	0.774	0.0775	4.06	U	4.06	0.407	0.761	U	0.761	0.0762	19.9	U	19.9	1.99	0.788	U	0.788	0.079
Aroclor 1232	1	0.2	0.2	0.804	U	0.804	0.17	0.82	U	0.82	0.174	0.774	U	0.774	0.164	4.06	U	4.06	0.86	0.761	U	0.761	0.161	19.9	U	19.9	4.21	0.788	U	0.788	0.167
Aroclor 1242	1	0.2	0.2	0.804	U	0.804	0.108	0.82	U	0.82	0.11	0.774	U	0.774	0.104	4.06	U	4.06	0.547	0.761	U	0.761	0.102	19.9	U	19.9	2.68	0.788	U	0.788	0.106
Aroclor 1248	1	0.2	0.2	0.804	U	0.804	0.121	0.82	U	0.82	0.123	0.774	U	0.774	0.116	4.06	U	4.06	0.609	0.761	U	0.761	0.114	19.9	U	19.9	2.98	0.788	U	0.788	0.118
Aroclor 1254	1	0.2	0.2	0.804	U	0.804	0.088	0.82	U	0.82	0.0897	0.774	U	0.774	0.0847	4.06	U	4.06	0.444	0.761	U	0.761	0.0832	19.9	U	19.9	2.17	0.788	U	0.788	0.0862
Aroclor 1260	1	0.2	0.2	6.02		0.804	0.149	3.4		0.82	0.152	3.3		0.774	0.143	34.9		4.06	0.75	7.2		0.761	0.141	98.4		19.9	3.67	3.16		0.788	0.146
Aroclor 1262	1	0.2	0.2	0.804	U	0.804	0.102	0.82	U	0.82	0.104	0.774	U	0.774	0.0983	4.06	U	4.06	0.516	0.761	U	0.761	0.0966	19.9	U	19.9	2.52	0.788	U	0.788	0.1
Aroclor 1268	1	0.2	0.2	0.804	U	0.804	0.0833	0.82	U	0.82	0.085	0.774	U	0.774	0.0802	4.06	U	4.06	0.42	0.761	U	0.761	0.0788	19.9	U	19.9	2.06	0.788	U	0.788	0.0817
PCBs, Total	1	0.2	0.2	6.02		0.804	0.0714	3.4		0.82	0.0728	3.3		0.774	0.0687	34.9		4.06	0.36	7.2		0.761	0.0676	98.4		19.9	1.76	3.16		0.788	0.07

Notes:

Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.

Bold - Exceeds lowest applicable standard/screening level

Bold parameter - detected

D = The compound was reported from the Diluted analysis.

J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).

mg/kg - milligrams per kilogram.

U = Not Detected at the RL

IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).

NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-100-0.5-1.0			E-101-0.5-1.0			E-101-3.0-3.5			E-102-0.5-1.0			E-102-3.0-3.5			E-103-0.5-1.0											
	L2008134-04			L2008618-07			L2008618-08			L2008134-08			L2008134-09			L2008134-11											
	2/24/2020			2/26/2020			2/26/2020			2/24/2020			2/24/2020			2/24/2020											
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.0382	U	0.0382	0.0034	0.0402	U	0.0402	0.00357	0.0366	U	0.0366	0.00325	0.0393	U	0.0393	0.00349	0.0364	U	0.0364	0.00324	0.038	U	0.038	0.00337
Aroclor 1221	1	0.2	0.2	0.0382	U	0.0382	0.00383	0.0402	U	0.0402	0.00403	0.0366	U	0.0366	0.00367	0.0393	U	0.0393	0.00394	0.0364	U	0.0364	0.00365	0.038	U	0.038	0.0038
Aroclor 1232	1	0.2	0.2	0.0382	U	0.0382	0.00811	0.0402	U	0.0402	0.00853	0.0366	U	0.0366	0.00776	0.0393	U	0.0393	0.00833	0.0364	U	0.0364	0.00773	0.038	U	0.038	0.00805
Aroclor 1242	1	0.2	0.2	0.0382	U	0.0382	0.00516	0.0402	U	0.0402	0.00542	0.0366	U	0.0366	0.00493	0.0393	U	0.0393	0.0053	0.0364	U	0.0364	0.00491	0.038	U	0.038	0.00512
Aroclor 1248	1	0.2	0.2	0.0382	U	0.0382	0.00574	0.0402	U	0.0402	0.00603	0.0366	U	0.0366	0.00549	0.0393	U	0.0393	0.0059	0.0364	U	0.0364	0.00547	0.038	U	0.038	0.00569
Aroclor 1254	1	0.2	0.2	0.0382	U	0.0382	0.00418	0.0402	U	0.0402	0.0044	0.0366	U	0.0366	0.004	0.0393	U	0.0393	0.0043	0.0364	U	0.0364	0.00399	0.038	U	0.038	0.00415
Aroclor 1260	1	0.2	0.2	0.304		0.0382	0.00707	0.316		0.0402	0.00743	0.0319	J	0.0366	0.00676	0.359		0.0393	0.00726	0.0575		0.0364	0.00674	0.427		0.038	0.00702
Aroclor 1262	1	0.2	0.2	0.0382	U	0.0382	0.00486	0.0402	U	0.0402	0.00511	0.0366	U	0.0366	0.00465	0.0393	U	0.0393	0.00499	0.0364	U	0.0364	0.00463	0.038	U	0.038	0.00482
Aroclor 1268	1	0.2	0.2	0.0382	U	0.0382	0.00396	0.0402	U	0.0402	0.00417	0.0366	U	0.0366	0.00379	0.0393	U	0.0393	0.00407	0.0364	U	0.0364	0.00378	0.038	U	0.038	0.00393
PCBs, Total	1	0.2	0.2	0.304		0.0382	0.0034	0.316		0.0402	0.00357	0.0319	J	0.0366	0.00325	0.359		0.0393	0.00349	0.0575		0.0364	0.00324	0.427		0.038	0.00337

Notes:

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Bold - Exceeds lowest applicable standard/screening level

Bold parameter - detected

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J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).

mg/kg - milligrams per kilogram.

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IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).

NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-103-3.0-3.5			E-104-0.5-1.0			E-104-3.0-3.5			E-105-0.5-1.0			E-105-3.0-3.5			E-105-4.0-4.5											
	L2008134-12			L2008134-13			L2008134-14			L2008134-15			L2008134-16			L2008134-17											
	2/24/2020			2/24/2020			2/24/2020			2/24/2020			2/24/2020			2/24/2020											
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.037	U	0.037	0.00328	0.0367	U	0.0367	0.00326	0.037	U	0.037	0.00329	0.037	U	0.037	0.00329	0.0394	U	0.0394	0.0035	0.0402	U	0.0402	0.00357
Aroclor 1221	1	0.2	0.2	0.037	U	0.037	0.00371	0.0367	U	0.0367	0.00368	0.037	U	0.037	0.00371	0.037	U	0.037	0.00371	0.0394	U	0.0394	0.00395	0.0402	U	0.0402	0.00403
Aroclor 1232	1	0.2	0.2	0.037	U	0.037	0.00784	0.0367	U	0.0367	0.00778	0.037	U	0.037	0.00785	0.037	U	0.037	0.00785	0.0394	U	0.0394	0.00835	0.0402	U	0.0402	0.00852
Aroclor 1242	1	0.2	0.2	0.037	U	0.037	0.00499	0.0367	U	0.0367	0.00494	0.037	U	0.037	0.00499	0.037	U	0.037	0.00499	0.0394	U	0.0394	0.00531	0.0402	U	0.0402	0.00542
Aroclor 1248	1	0.2	0.2	0.037	U	0.037	0.00555	0.0367	U	0.0367	0.0055	0.037	U	0.037	0.00556	0.037	U	0.037	0.00555	0.0394	U	0.0394	0.00591	0.0402	U	0.0402	0.00603
Aroclor 1254	1	0.2	0.2	0.037	U	0.037	0.00405	0.0367	U	0.0367	0.00401	0.037	U	0.037	0.00405	0.037	U	0.037	0.00405	0.0394	U	0.0394	0.00431	0.0402	U	0.0402	0.0044
Aroclor 1260	1	0.2	0.2	0.177		0.037	0.00684	0.281		0.0367	0.00678	0.00804	J	0.037	0.00684	0.199		0.037	0.00684	0.0683		0.0394	0.00728	0.115		0.0402	0.00743
Aroclor 1262	1	0.2	0.2	0.037	U	0.037	0.0047	0.0367	U	0.0367	0.00466	0.037	U	0.037	0.0047	0.037	U	0.037	0.0047	0.0394	U	0.0394	0.005	0.0402	U	0.0402	0.00511
Aroclor 1268	1	0.2	0.2	0.037	U	0.037	0.00383	0.0367	U	0.0367	0.0038	0.037	U	0.037	0.00384	0.037	U	0.037	0.00383	0.0394	U	0.0394	0.00408	0.0402	U	0.0402	0.00416
PCBs, Total	1	0.2	0.2	0.177		0.037	0.00328	0.281		0.0367	0.00326	0.00804	J	0.037	0.00329	0.199		0.037	0.00329	0.0683		0.0394	0.0035	0.115		0.0402	0.00357

Notes:

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Bold - Exceeds lowest applicable standard/screening level

Bold parameter - detected

D = The compound was reported from the Diluted analysis.

J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).

mg/kg - milligrams per kilogram.

U = Not Detected at the RL

IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).

NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-106-0.5-1.0			E-106-4.0-4.5			E-107-0.5-1.0			E-107-3.0-3.5			E-107-4.0-4.5			E-108-0.5-1.0											
	L2008618-09			L2008618-10			L2008134-05			L2008134-06			L2008134-07			L2008618-04											
	2/26/2020			2/26/2020			2/24/2020			2/24/2020			2/24/2020			2/26/2020											
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.0387	U	0.0387	0.00344	0.042	U	0.042	0.00372	0.0369	U	0.0369	0.00328	0.0376	U	0.0376	0.00334	0.0381	U	0.0381	0.00338	0.276	U	0.276	0.0245
Aroclor 1221	1	0.2	0.2	0.0387	U	0.0387	0.00388	0.042	U	0.042	0.0042	0.0369	U	0.0369	0.0037	0.0376	U	0.0376	0.00377	0.0381	U	0.0381	0.00382	0.276	U	0.276	0.0276
Aroclor 1232	1	0.2	0.2	0.0387	U	0.0387	0.00821	0.042	U	0.042	0.00889	0.0369	U	0.0369	0.00782	0.0376	U	0.0376	0.00797	0.0381	U	0.0381	0.00807	0.276	U	0.276	0.0585
Aroclor 1242	1	0.2	0.2	0.0387	U	0.0387	0.00522	0.042	U	0.042	0.00566	0.0369	U	0.0369	0.00497	0.0376	U	0.0376	0.00507	0.0381	U	0.0381	0.00513	0.276	U	0.276	0.0372
Aroclor 1248	1	0.2	0.2	0.0387	U	0.0387	0.00581	0.042	U	0.042	0.00629	0.0369	U	0.0369	0.00553	0.0376	U	0.0376	0.00564	0.0381	U	0.0381	0.00571	0.276	U	0.276	0.0414
Aroclor 1254	1	0.2	0.2	0.0387	U	0.0387	0.00423	0.687	0.042	0.042	0.00459	0.0369	U	0.0369	0.00403	0.0755	0.0376	0.00411	0.083	0.0381	0.00416	0.276	U	0.276	0.0302		
Aroclor 1260	1	0.2	0.2	0.18	0.0387	0.00715	0.112	0.042	0.00775	0.193	0.0369	0.00682	0.177	0.0376	0.00695	0.13	0.0381	0.00704	0.909	0.276	0.051						
Aroclor 1262	1	0.2	0.2	0.0387	U	0.0387	0.00492	0.042	U	0.042	0.00533	0.0369	U	0.0369	0.00468	0.0376	U	0.0376	0.00478	0.0381	U	0.0381	0.00484	0.276	U	0.276	0.035
Aroclor 1268	1	0.2	0.2	0.0387	U	0.0387	0.00401	0.042	U	0.042	0.00435	0.0369	U	0.0369	0.00382	0.0376	U	0.0376	0.0039	0.0381	U	0.0381	0.00394	0.276	U	0.276	0.0286
PCBs, Total	1	0.2	0.2	0.18	0.0387	0.00344	0.799	0.042	0.00372	0.193	0.0369	0.00328	0.252	0.0376	0.00334	0.213	0.0381	0.00338	0.909	0.276	0.0245						

Notes:
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Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
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NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-108-3.0-3.5			X-12-02262020 (DUP of E-108-3.0-3.5)			E-108-4.0-4.5			E-109-0.5-1.0			E-109-3.0-3.5			E-109-4.0-4.5											
	L2008618-05			L2008619-10			L2008618-06			L2008134-01			L2008134-02			L2008134-03											
	2/26/2020			2/26/2020			2/26/2020			2/24/2020			2/24/2020			2/24/2020											
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.0395	U	0.0395	0.0035	0.0376	U	0.0376	0.00334	0.0427	U	0.0427	0.00379	0.0388	U	0.0388	0.00345	0.205	U	0.205	0.0182	0.0375	U	0.0375	0.00333
Aroclor 1221	1	0.2	0.2	0.0395	U	0.0395	0.00395	0.0376	U	0.0376	0.00377	0.0427	U	0.0427	0.00428	0.0388	U	0.0388	0.00389	0.205	U	0.205	0.0206	0.0375	U	0.0375	0.00376
Aroclor 1232	1	0.2	0.2	0.0395	U	0.0395	0.00836	0.0376	U	0.0376	0.00798	0.0427	U	0.0427	0.00906	0.0388	U	0.0388	0.00824	0.205	U	0.205	0.0435	0.0375	U	0.0375	0.00796
Aroclor 1242	1	0.2	0.2	0.0395	U	0.0395	0.00532	0.0376	U	0.0376	0.00507	0.0427	U	0.0427	0.00576	0.0388	U	0.0388	0.00524	0.205	U	0.205	0.0277	0.0375	U	0.0375	0.00506
Aroclor 1248	1	0.2	0.2	0.0395	U	0.0395	0.00592	0.0376	U	0.0376	0.00565	0.0427	U	0.0427	0.00641	0.0388	U	0.0388	0.00583	0.205	U	0.205	0.0308	0.0375	U	0.0375	0.00563
Aroclor 1254	1	0.2	0.2	0.0395	U	0.0395	0.00432	0.0376	U	0.0376	0.00412	0.0427	U	0.0427	0.00467	0.0388	U	0.0388	0.00425	0.205	U	0.205	0.0224	0.0375	U	0.0375	0.00411
Aroclor 1260	1	0.2	0.2	0.0637		0.0395	0.00729	0.231		0.0376	0.00696	0.276		0.0427	0.00789	0.133		0.0388	0.00718	1.07		0.205	0.0379	0.226		0.0375	0.00694
Aroclor 1262	1	0.2	0.2	0.0395	U	0.0395	0.00501	0.0376	U	0.0376	0.00478	0.0427	U	0.0427	0.00542	0.0388	U	0.0388	0.00493	0.205	U	0.205	0.0261	0.0375	U	0.0375	0.00477
Aroclor 1268	1	0.2	0.2	0.0395	U	0.0395	0.00409	0.0376	U	0.0376	0.0039	0.0427	U	0.0427	0.00442	0.0388	U	0.0388	0.00402	0.205	U	0.205	0.0213	0.0375	U	0.0375	0.00389
PCBs, Total	1	0.2	0.2	0.0637		0.0395	0.0035	0.231		0.0376	0.00334	0.276		0.0427	0.00379	0.133		0.0388	0.00345	1.07		0.205	0.0182	0.226		0.0375	0.00333

Notes:

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Bold - Exceeds lowest applicable standard/screening level

Bold parameter - detected

D = The compound was reported from the Diluted analysis.

J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).

mg/kg - milligrams per kilogram.

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RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-110-0.5-1.0			X-10-022120 20 (DUP of E-110-0.5-1.0)			E-110-3.0-3.5			E-110-4.0-4.5			E-111-0.5-1.0			E-111-4.0-4.5			E-111-5.0-5.5																	
	L2007956-11			L2007956-19			L2007956-12			L2007956-13			L2007956-08			L2007956-09			L2007956-10																	
	2/21/2020			2/21/2020			2/21/2020			2/21/2020			2/21/2020			2/21/2020			2/21/2020																	
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																																	
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL					
POLYCHLORINATED BIPHENYLS (PCB) BY GC																																				
Aroclor 1016	1	0.2	0.2	0.184	U	0.184	0.0163	0.185	U	0.185	0.0164	0.0383	U	0.0383	0.0034	0.037	U	0.037	0.00328	0.04	U	0.04	0.00355	0.0366	U	0.0366	0.00325	0.0366	U	0.0366	0.00325	0.0366	U	0.0366	0.00325	
Aroclor 1221	1	0.2	0.2	0.184	U	0.184	0.0184	0.185	U	0.185	0.0185	0.0383	U	0.0383	0.00384	0.037	U	0.037	0.0037	0.04	U	0.04	0.00401	0.0366	U	0.0366	0.00367	0.0366	U	0.0366	0.00367	0.0366	U	0.0366	0.00366	
Aroclor 1232	1	0.2	0.2	0.184	U	0.184	0.039	0.185	U	0.185	0.0392	0.0383	U	0.0383	0.00812	0.037	U	0.037	0.00784	0.04	U	0.04	0.00848	0.0366	U	0.0366	0.00776	0.0366	U	0.0366	0.00775	0.0366	U	0.0366	0.00775	
Aroclor 1242	1	0.2	0.2	0.184	U	0.184	0.0248	0.185	U	0.185	0.0249	0.0383	U	0.0383	0.00516	0.037	U	0.037	0.00498	0.04	U	0.04	0.00539	0.0366	U	0.0366	0.00494	0.0366	U	0.0366	0.00493	0.0366	U	0.0366	0.00493	
Aroclor 1248	1	0.2	0.2	0.184	U	0.184	0.0276	0.185	U	0.185	0.0278	0.0383	U	0.0383	0.00575	0.037	U	0.037	0.00554	0.04	U	0.04	0.006	0.0366	U	0.0366	0.00549	0.0366	U	0.0366	0.00548	0.0366	U	0.0366	0.00548	
Aroclor 1254	1	0.2	0.2	0.184	U	0.184	0.0201	0.185	U	0.185	0.0202	0.0383	U	0.0383	0.00419	0.037	U	0.037	0.00404	0.04	U	0.04	0.00438	0.0366	U	0.0366	0.004	0.0366	U	0.0366	0.004	0.0366	U	0.0366	0.004	
Aroclor 1260	1	0.2	0.2	1.13	U	0.184	0.034	0.975	U	0.185	0.0342	0.31	U	0.0383	0.00708	0.14	U	0.037	0.00683	0.576	U	0.04	0.0074	0.0149	J	0.0366	0.00677	0.197	U	0.0366	0.00676	0.0366	U	0.0366	0.00676	
Aroclor 1262	1	0.2	0.2	0.184	U	0.184	0.0234	0.185	U	0.185	0.0235	0.0383	U	0.0383	0.00487	0.037	U	0.037	0.00469	0.04	U	0.04	0.00508	0.0366	U	0.0366	0.00465	0.0366	U	0.0366	0.00464	0.0366	U	0.0366	0.00464	
Aroclor 1268	1	0.2	0.2	0.184	U	0.184	0.0191	0.185	U	0.185	0.0192	0.0383	U	0.0383	0.00397	0.037	U	0.037	0.00383	0.04	U	0.04	0.00414	0.0366	U	0.0366	0.00379	0.0366	U	0.0366	0.00379	0.0366	U	0.0366	0.00379	
PCBs, Total	1	0.2	0.2	1.13	U	0.184	0.0163	0.975	U	0.185	0.0164	0.31	U	0.0383	0.0034	0.14	U	0.037	0.00328	0.576	U	0.04	0.00355	0.0149	J	0.0366	0.00325	0.197	U	0.0366	0.00325	0.0366	U	0.0366	0.00325	

Notes:

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Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-112-0.5-1.0			E-112-3.0-3.5			E-113-0.5-1.0			E-113-2.0-2.5			E-114-0.5-1.0			E-114-3.0-3.5											
	L2007956-06			L2007956-07			L2007690-04			L2007690-05			L2007956-04			L2007956-05											
	2/21/2020			2/21/2020			2/20/2020			2/20/2020			2/21/2020			2/21/2020											
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.0445	U	0.0445	0.00395	0.0387	U	0.0387	0.00344	0.0398	U	0.0398	0.00354	0.0391	U	0.0391	0.00347	0.0432	U	0.0432	0.00384	0.0408	U	0.0408	0.00362
Aroclor 1221	1	0.2	0.2	0.0445	U	0.0445	0.00446	0.0387	U	0.0387	0.00388	0.0398	U	0.0398	0.00399	0.0391	U	0.0391	0.00392	0.0432	U	0.0432	0.00433	0.0408	U	0.0408	0.00409
Aroclor 1232	1	0.2	0.2	0.0445	U	0.0445	0.00943	0.0387	U	0.0387	0.00821	0.0398	U	0.0398	0.00844	0.0391	U	0.0391	0.00829	0.0432	U	0.0432	0.00916	0.0408	U	0.0408	0.00866
Aroclor 1242	1	0.2	0.2	0.0445	U	0.0445	0.006	0.0387	U	0.0387	0.00522	0.0398	U	0.0398	0.00537	0.0391	U	0.0391	0.00527	0.0432	U	0.0432	0.00583	0.0408	U	0.0408	0.0055
Aroclor 1248	1	0.2	0.2	0.0445	U	0.0445	0.00667	0.0387	U	0.0387	0.00581	0.0398	U	0.0398	0.00597	0.0391	U	0.0391	0.00586	0.114		0.0432	0.00648	0.0762		0.0408	0.00612
Aroclor 1254	1	0.2	0.2	0.0445	U	0.0445	0.00487	0.0387	U	0.0387	0.00424	0.0398	U	0.0398	0.00436	0.0391	U	0.0391	0.00428	0.0432	U	0.0432	0.00473	0.0408	U	0.0408	0.00447
Aroclor 1260	1	0.2	0.2	0.089		0.0445	0.00822	0.0167	J	0.0387	0.00716	0.185		0.0398	0.00736	0.0482		0.0391	0.00722	0.191		0.0432	0.00799	0.0762		0.0408	0.00754
Aroclor 1262	1	0.2	0.2	0.0445	U	0.0445	0.00565	0.0387	U	0.0387	0.00492	0.0398	U	0.0398	0.00506	0.0391	U	0.0391	0.00496	0.0432	U	0.0432	0.00549	0.0408	U	0.0408	0.00518
Aroclor 1268	1	0.2	0.2	0.0445	U	0.0445	0.00461	0.0387	U	0.0387	0.00401	0.0398	U	0.0398	0.00412	0.0391	U	0.0391	0.00405	0.0432	U	0.0432	0.00448	0.0408	U	0.0408	0.00423
PCBs, Total	1	0.2	0.2	0.089		0.0445	0.00395	0.0167	J	0.0387	0.00344	0.185		0.0398	0.00354	0.0482		0.0391	0.00347	0.305		0.0432	0.00384	0.152		0.0408	0.00362

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Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-115-0.5-1.0			E-115-2.0-2.5			E-116-0.5-1.0			E-116-2.0-2.5			E-116-4.0-4.5			E-117-0.5-1.0											
	L2007956-01			L2007956-02			L2007690-01			L2007690-02			L2007690-03			L2007688-04											
	2/21/2020			2/21/2020			2/20/2020			2/20/2020			2/20/2020			2/20/2020											
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.211	U	0.211	0.0188	0.0406	U	0.0406	0.00361	0.254	U	0.254	0.0226	0.0452	U	0.0452	0.00401	0.0448	U	0.0448	0.00398	0.725	U	0.725	0.0644
Aroclor 1221	1	0.2	0.2	0.211	U	0.211	0.0212	0.0406	U	0.0406	0.00407	0.254	U	0.254	0.0255	0.0452	U	0.0452	0.00453	0.0448	U	0.0448	0.00448	0.725	U	0.725	0.0727
Aroclor 1232	1	0.2	0.2	0.211	U	0.211	0.0448	0.0406	U	0.0406	0.00862	0.254	U	0.254	0.0539	0.0452	U	0.0452	0.00958	0.0448	U	0.0448	0.00949	0.725	U	0.725	0.154
Aroclor 1242	1	0.2	0.2	0.211	U	0.211	0.0285	0.0406	U	0.0406	0.00548	0.254	U	0.254	0.0343	0.0452	U	0.0452	0.00609	0.0448	U	0.0448	0.00603	0.725	U	0.725	0.0978
Aroclor 1248	1	0.2	0.2	0.861		0.211	0.0317	0.048		0.0406	0.0061	0.254	U	0.254	0.0382	0.0452	U	0.0452	0.00678	0.0448	U	0.0448	0.00671	0.725	U	0.725	0.109
Aroclor 1254	1	0.2	0.2	0.211	U	0.211	0.0231	0.0406	U	0.0406	0.00445	0.254	U	0.254	0.0278	0.0452	U	0.0452	0.00494	0.0448	U	0.0448	0.0049	0.725	U	0.725	0.0793
Aroclor 1260	1	0.2	0.2	0.366		0.211	0.0391	0.0273	J	0.0406	0.00751	1.97		0.254	0.047	0.103		0.0452	0.00835	0.0126	J	0.0448	0.00827	6.31		0.725	0.134
Aroclor 1262	1	0.2	0.2	0.211	U	0.211	0.0268	0.0406	U	0.0406	0.00516	0.254	U	0.254	0.0323	0.0452	U	0.0452	0.00574	0.0448	U	0.0448	0.00568	0.725	U	0.725	0.0921
Aroclor 1268	1	0.2	0.2	0.211	U	0.211	0.0219	0.0406	U	0.0406	0.00421	0.254	U	0.254	0.0264	0.0452	U	0.0452	0.00468	0.0448	U	0.0448	0.00464	0.725	U	0.725	0.0751
PCBs, Total	1	0.2	0.2	1.23		0.211	0.0188	0.0753	J	0.0406	0.00361	1.97		0.254	0.0226	0.103		0.0452	0.00401	0.0126	J	0.0448	0.00398	6.31		0.725	0.0644

Notes:

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Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-117-2.0-2.5			E-117-3.0-3.5			E-118-0.5-1.0			E-118-2.0-2.5			E-118-3.0-3.5			E-119-0.5-1.0											
	L2007688-05			L2007688-06			L2007688-01			L2007688-02			L2007688-03			L2005778-22											
	2/20/2020			2/20/2020			2/20/2020			2/20/2020			2/20/2020			2/7/2020											
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.0362	U	0.0362	0.00322	0.186	U	0.186	0.0165	0.0412	U	0.0412	0.00366	0.0344	U	0.0344	0.00306	0.0348	U	0.0348	0.00309	0.0408	U	0.0408	0.00362
Aroclor 1221	1	0.2	0.2	0.0362	U	0.0362	0.00363	0.186	U	0.186	0.0187	0.0412	U	0.0412	0.00413	0.0344	U	0.0344	0.00345	0.0348	U	0.0348	0.00349	0.0408	U	0.0408	0.00409
Aroclor 1232	1	0.2	0.2	0.0362	U	0.0362	0.00768	0.186	U	0.186	0.0395	0.0412	U	0.0412	0.00874	0.0344	U	0.0344	0.0073	0.0348	U	0.0348	0.00738	0.0408	U	0.0408	0.00865
Aroclor 1242	1	0.2	0.2	0.0362	U	0.0362	0.00488	0.186	U	0.186	0.0251	0.0412	U	0.0412	0.00556	0.0344	U	0.0344	0.00464	0.0348	U	0.0348	0.00469	0.0408	U	0.0408	0.0055
Aroclor 1248	1	0.2	0.2	0.0362	U	0.0362	0.00543	0.186	U	0.186	0.0279	0.0412	U	0.0412	0.00619	0.0344	U	0.0344	0.00516	0.0348	U	0.0348	0.00522	0.0408	U	0.0408	0.00612
Aroclor 1254	1	0.2	0.2	0.0362	U	0.0362	0.00396	0.186	U	0.186	0.0204	0.0412	U	0.0412	0.00451	0.0344	U	0.0344	0.00377	0.0348	U	0.0348	0.00381	0.0408	U	0.0408	0.00446
Aroclor 1260	1	0.2	0.2	0.0779		0.0362	0.0067	0.914	U	0.186	0.0344	0.288	U	0.0412	0.00762	0.0344	U	0.0344	0.00636	0.0348	U	0.0348	0.00643	0.0183	J	0.0408	0.00754
Aroclor 1262	1	0.2	0.2	0.0362	U	0.0362	0.0046	0.186	U	0.186	0.0236	0.0412	U	0.0412	0.00524	0.0344	U	0.0344	0.00437	0.0348	U	0.0348	0.00442	0.0408	U	0.0408	0.00518
Aroclor 1268	1	0.2	0.2	0.0362	U	0.0362	0.00375	0.186	U	0.186	0.0193	0.0412	U	0.0412	0.00427	0.0344	U	0.0344	0.00357	0.0348	U	0.0348	0.00361	0.0408	U	0.0408	0.00423
PCBs, Total	1	0.2	0.2	0.0779		0.0362	0.00322	0.914	U	0.186	0.0165	0.288	U	0.0412	0.00366	0.0344	U	0.0344	0.00306	0.0348	U	0.0348	0.00309	0.0183	J	0.0408	0.00362

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Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-119-2.0-2.5			E-119-3.0-3.5			E-120-0.5-1.0			E-120-2.0-2.5			E-120-3.0-3.5			E-121-0.5-1.0											
	L2005778-23			L2005778-24			L2007688-07			L2007688-08			L2007688-09			L2005778-16											
	2/7/2020			2/7/2020			2/20/2020			2/20/2020			2/20/2020			2/7/2020											
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.0355	U	0.0355	0.00315	0.0349	U	0.0349	0.0031	0.0378	U	0.0378	0.00336	0.0398	U	0.0398	0.00353	0.0387	U	0.0387	0.00344	16	U	16	1.42
Aroclor 1221	1	0.2	0.2	0.0355	U	0.0355	0.00355	0.0349	U	0.0349	0.0035	0.0378	U	0.0378	0.00379	0.0398	U	0.0398	0.00399	0.0387	U	0.0387	0.00388	16	U	16	1.6
Aroclor 1232	1	0.2	0.2	0.0355	U	0.0355	0.00752	0.0349	U	0.0349	0.0074	0.0378	U	0.0378	0.00802	0.0398	U	0.0398	0.00843	0.0387	U	0.0387	0.00821	16	U	16	3.39
Aroclor 1242	1	0.2	0.2	0.0355	U	0.0355	0.00478	0.0349	U	0.0349	0.0047	0.0378	U	0.0378	0.0051	0.0398	U	0.0398	0.00536	0.0387	U	0.0387	0.00522	16	U	16	2.15
Aroclor 1248	1	0.2	0.2	0.0355	U	0.0355	0.00532	0.0349	U	0.0349	0.00524	0.0378	U	0.0378	0.00568	0.0398	U	0.0398	0.00597	0.0387	U	0.0387	0.00581	16	U	16	2.4
Aroclor 1254	1	0.2	0.2	0.0355	U	0.0355	0.00388	0.0349	U	0.0349	0.00382	0.0378	U	0.0378	0.00414	0.0398	U	0.0398	0.00435	0.0387	U	0.0387	0.00424	16	U	16	1.75
Aroclor 1260	1	0.2	0.2	0.00861	J	0.0355	0.00655	0.116		0.0349	0.00645	0.158		0.0378	0.00699	0.13		0.0398	0.00735	0.0744		0.0387	0.00716	64.5		16	2.95
Aroclor 1262	1	0.2	0.2	0.0355	U	0.0355	0.0045	0.0349	U	0.0349	0.00443	0.0378	U	0.0378	0.0048	0.0398	U	0.0398	0.00505	0.0387	U	0.0387	0.00492	16	U	16	2.03
Aroclor 1268	1	0.2	0.2	0.0355	U	0.0355	0.00367	0.0349	U	0.0349	0.00362	0.0378	U	0.0378	0.00392	0.0398	U	0.0398	0.00412	0.0387	U	0.0387	0.00401	16	U	16	1.66
PCBs, Total	1	0.2	0.2	0.00861	J	0.0355	0.00315	0.116		0.0349	0.0031	0.158		0.0378	0.00336	0.13		0.0398	0.00353	0.0744		0.0387	0.00344	64.5		16	1.42

Notes:

Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.

Bold - Exceeds lowest applicable standard/screening level

Bold parameter - detected

D = The compound was reported from the Diluted analysis.

J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).

mg/kg - milligrams per kilogram.

U = Not Detected at the RL

IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).

NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID:				E-121-2.0-2.5			
LAB ID:				L2005778-17 R1			
COLLECTION DATE:				2/7/2020			
SAMPLE DEPTH:							
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS				
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC							
Aroclor 1016	1	0.2	0.2	0.808	U	0.808	0.0718
Aroclor 1221	1	0.2	0.2	0.808	U	0.808	0.081
Aroclor 1232	1	0.2	0.2	0.808	U	0.808	0.171
Aroclor 1242	1	0.2	0.2	0.808	U	0.808	0.109
Aroclor 1248	1	0.2	0.2	0.808	U	0.808	0.121
Aroclor 1254	1	0.2	0.2	0.808	U	0.808	0.0884
Aroclor 1260	1	0.2	0.2	4.05		0.808	0.149
Aroclor 1262	1	0.2	0.2	0.808	U	0.808	0.103
Aroclor 1268	1	0.2	0.2	0.808	U	0.808	0.0837
PCBs, Total	1	0.2	0.2	4.05		0.808	0.0718

Notes:

Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.

Bold - Exceeds lowest applicable standard/screening level

Bold parameter - detected

D = The compound was reported from the Diluted analysis.

J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).

mg/kg - milligrams per kilogram.

U = Not Detected at the RL

IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).

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RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-121-3.0-3.5			E-122-0.5-1.0			E-122-2.0-2.5			E-123-0.5-1.0			E-123-2.0-2.5			E-123-3.0-3.5								
SAMPLE ID:				E-121-3.0-3.5			E-122-0.5-1.0			E-122-2.0-2.5			E-123-0.5-1.0			E-123-2.0-2.5			E-123-3.0-3.5								
LAB ID:				L2005778-18			L2005946-08			L2005946-09			L2005778-19			L2005778-20			L2005778-21								
COLLECTION DATE:				2/7/2020			2/10/2020			2/10/2020			2/7/2020			2/7/2020			2/7/2020								
SAMPLE DEPTH:				3.0-3.5			0.5-1.0			2.0-2.5			0.5-1.0			2.0-2.5			3.0-3.5								
NJ-NRDCSRS NJ-RDCSRS NJ-IGWS																											
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.0365	U	0.0365	0.00324	0.042	U	0.042	0.00373	0.0358	U	0.0358	0.00318	0.0397	U	0.0397	0.00352	0.0392	U	0.0392	0.00348	0.729	U	0.729	0.0647
Aroclor 1221	1	0.2	0.2	0.0365	U	0.0365	0.00365	0.042	U	0.042	0.0042	0.0358	U	0.0358	0.00358	0.0397	U	0.0397	0.00398	0.0392	U	0.0392	0.00393	0.729	U	0.729	0.073
Aroclor 1232	1	0.2	0.2	0.0365	U	0.0365	0.00773	0.042	U	0.042	0.0089	0.0358	U	0.0358	0.00758	0.0397	U	0.0397	0.00841	0.0392	U	0.0392	0.00831	0.729	U	0.729	0.154
Aroclor 1242	1	0.2	0.2	0.0365	U	0.0365	0.00492	0.042	U	0.042	0.00566	0.0358	U	0.0358	0.00482	0.0397	U	0.0397	0.00535	0.0392	U	0.0392	0.00528	0.729	U	0.729	0.0983
Aroclor 1248	1	0.2	0.2	0.0365	U	0.0365	0.00547	0.042	U	0.042	0.0063	0.0358	U	0.0358	0.00537	0.0397	U	0.0397	0.00595	0.0392	U	0.0392	0.00588	0.729	U	0.729	0.109
Aroclor 1254	1	0.2	0.2	0.0365	U	0.0365	0.00399	0.042	U	0.042	0.00459	0.0358	U	0.0358	0.00391	0.0397	U	0.0397	0.00434	0.0392	U	0.0392	0.00429	0.729	U	0.729	0.0798
Aroclor 1260	1	0.2	0.2	0.146		0.0365	0.00674	0.709		0.042	0.00776	0.097		0.0358	0.00661	0.0263	J	0.0397	0.00733	0.278		0.0392	0.00724	3.57		0.729	0.135
Aroclor 1262	1	0.2	0.2	0.0365	U	0.0365	0.00463	0.042	U	0.042	0.00533	0.0358	U	0.0358	0.00454	0.0397	U	0.0397	0.00504	0.0392	U	0.0392	0.00498	0.729	U	0.729	0.0926
Aroclor 1268	1	0.2	0.2	0.0365	U	0.0365	0.00378	0.042	U	0.042	0.00435	0.0358	U	0.0358	0.00371	0.0397	U	0.0397	0.00411	0.0392	U	0.0392	0.00406	0.729	U	0.729	0.0755
PCBs, Total	1	0.2	0.2	0.146		0.0365	0.00324	0.709		0.042	0.00373	0.097		0.0358	0.00318	0.0263	J	0.0397	0.00352	0.278		0.0392	0.00348	3.57		0.729	0.0647

Notes:
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J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-124-0.5-1.0			E-124-2.0-2.5			E-125-0.5-1.0			E-125-2.0-2.5			E-125-3.0-3.5			E-126-0.5-1.0								
SAMPLE ID:				E-124-0.5-1.0			E-124-2.0-2.5			E-125-0.5-1.0			E-125-2.0-2.5			E-125-3.0-3.5			E-126-0.5-1.0								
LAB ID:				L2005778-26			L2005778-27			L2007688-10			L2007688-11			L2007688-12			L2005778-28								
COLLECTION DATE:				2/7/2020			2/7/2020			2/20/2020			2/20/2020			2/20/2020			2/7/2020								
SAMPLE DEPTH:				0.5-1.0			2.0-2.5			0.5-1.0			2.0-2.5			3.0-3.5			0.5-1.0								
NJ-NRDCSRS NJ-RDCSRS NJ-IGWS																											
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL				
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.211	U	0.211	0.0188	0.0408	U	0.0408	0.00362	0.0394	U	0.0394	0.0035	0.0398	U	0.0398	0.00353	0.0356	U	0.0356	0.00316	0.0441	U	0.0441	0.00392
Aroclor 1221	1	0.2	0.2	0.211	U	0.211	0.0212	0.0408	U	0.0408	0.00409	0.0394	U	0.0394	0.00395	0.0398	U	0.0398	0.00398	0.0356	U	0.0356	0.00356	0.0441	U	0.0441	0.00442
Aroclor 1232	1	0.2	0.2	0.211	U	0.211	0.0448	0.0408	U	0.0408	0.00866	0.0394	U	0.0394	0.00836	0.0398	U	0.0398	0.00843	0.0356	U	0.0356	0.00754	0.0441	U	0.0441	0.00935
Aroclor 1242	1	0.2	0.2	0.211	U	0.211	0.0285	0.0408	U	0.0408	0.0055	0.0394	U	0.0394	0.00531	0.0398	U	0.0398	0.00536	0.0356	U	0.0356	0.0048	0.0441	U	0.0441	0.00595
Aroclor 1248	1	0.2	0.2	0.211	U	0.211	0.0317	0.0408	U	0.0408	0.00612	0.0394	U	0.0394	0.00591	0.0398	U	0.0398	0.00596	0.0356	U	0.0356	0.00534	0.0441	U	0.0441	0.00662
Aroclor 1254	1	0.2	0.2	0.211	U	0.211	0.0231	0.0408	U	0.0408	0.00447	0.0394	U	0.0394	0.00431	0.0398	U	0.0398	0.00435	0.0356	U	0.0356	0.00389	0.0441	U	0.0441	0.00483
Aroclor 1260	1	0.2	0.2	2.58		0.211	0.0391	0.0135	J	0.0408	0.00754	0.0296	J	0.0394	0.00728	0.587		0.0398	0.00735	0.0356	U	0.0356	0.00658	0.214		0.0441	0.00815
Aroclor 1262	1	0.2	0.2	0.211	U	0.211	0.0268	0.0408	U	0.0408	0.00518	0.0394	U	0.0394	0.005	0.0398	U	0.0398	0.00505	0.0356	U	0.0356	0.00452	0.0441	U	0.0441	0.0056
Aroclor 1268	1	0.2	0.2	0.211	U	0.211	0.0219	0.0408	U	0.0408	0.00423	0.0394	U	0.0394	0.00408	0.0398	U	0.0398	0.00412	0.0356	U	0.0356	0.00369	0.0441	U	0.0441	0.00457
PCBs, Total	1	0.2	0.2	2.58		0.211	0.0188	0.0135	J	0.0408	0.00362	0.0296	J	0.0394	0.0035	0.587		0.0398	0.00353	0.0356	U	0.0356	0.00316	0.214		0.0441	0.00392

Notes:
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Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH: NJ-NRDCSRS NJ-RDCSRS NJ-IGWS	X-2-0207202 (DUP of E-126-0.5-1.0)			E-126-2.0-2.5			E-127-0.5-1.0			X-3-0210202 0 (DUP of E-127-0.5-1.0)			E-127-2.0-2.5			E-128-0.5-1.0			E-128-2.0-2.5												
	L2005778-32			L2005778-29			L2005946-11			L2005946-13			L2005946-12			L2006705-07			L2006705-08												
	2/7/2020			2/7/2020			2/10/2020			2/10/2020			2/10/2020			2/13/2020			2/13/2020												
	0.5-1.0			2.0-2.5			0.5-1.0			0.5-1.0			2.0-2.5			0.5-1.0			2.0-2.5												
	ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL			
POLYCHLORINATED BIPHENYLS (PCB) BY GC																															
Aroclor 1016	1	0.2	0.2	0.0446	U	0.0446	0.00396	0.0395	U	0.0395	0.00351	0.754	U	0.754	0.067	0.741	U	0.741	0.0658	0.2	U	0.2	0.0177	0.8	U	0.8	0.071	0.0379	U	0.0379	0.00336
Aroclor 1221	1	0.2	0.2	0.0446	U	0.0446	0.00447	0.0395	U	0.0395	0.00396	0.754	U	0.754	0.0756	0.741	U	0.741	0.0743	0.2	U	0.2	0.02	0.8	U	0.8	0.0802	0.0379	U	0.0379	0.00379
Aroclor 1232	1	0.2	0.2	0.0446	U	0.0446	0.00945	0.0395	U	0.0395	0.00838	0.754	U	0.754	0.16	0.741	U	0.741	0.157	0.2	U	0.2	0.0423	0.8	U	0.8	0.17	0.0379	U	0.0379	0.00803
Aroclor 1242	1	0.2	0.2	0.0446	U	0.0446	0.00601	0.0395	U	0.0395	0.00532	0.754	U	0.754	0.102	0.741	U	0.741	0.0999	0.2	U	0.2	0.0269	0.8	U	0.8	0.108	0.0379	U	0.0379	0.0051
Aroclor 1248	1	0.2	0.2	0.0446	U	0.0446	0.00669	0.0395	U	0.0395	0.00593	0.754	U	0.754	0.113	0.741	U	0.741	0.111	0.2	U	0.2	0.03	0.8	U	0.8	0.12	0.0379	U	0.0379	0.00568
Aroclor 1254	1	0.2	0.2	0.0446	U	0.0446	0.00488	0.0395	U	0.0395	0.00432	0.754	U	0.754	0.0825	0.741	U	0.741	0.0811	0.2	U	0.2	0.0218	0.8	U	0.8	0.0875	0.0379	U	0.0379	0.00414
Aroclor 1260	1	0.2	0.2	0.205	U	0.0446	0.00824	0.0396	U	0.0395	0.0073	6.27	U	0.754	0.139	5.65	U	0.741	0.137	2.2	U	0.2	0.0369	2.64	U	0.8	0.148	0.0379	U	0.0379	0.007
Aroclor 1262	1	0.2	0.2	0.0446	U	0.0446	0.00566	0.0395	U	0.0395	0.00502	0.754	U	0.754	0.0958	0.741	U	0.741	0.0942	0.2	U	0.2	0.0254	0.8	U	0.8	0.102	0.0379	U	0.0379	0.00481
Aroclor 1268	1	0.2	0.2	0.0446	U	0.0446	0.00462	0.0395	U	0.0395	0.00409	0.754	U	0.754	0.0781	0.741	U	0.741	0.0768	0.2	U	0.2	0.0207	0.8	U	0.8	0.0829	0.0379	U	0.0379	0.00392
PCBs, Total	1	0.2	0.2	0.205	U	0.0446	0.00396	0.0396	U	0.0395	0.00351	6.27	U	0.754	0.067	5.65	U	0.741	0.0658	2.2	U	0.2	0.0177	2.64	U	0.8	0.071	0.0379	U	0.0379	0.00336

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Bold parameter - detected
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J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
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IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
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RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-129-0.5-1.0			E-129-2.0-2.5			E-130-0.5-1.0			E-130-2.0-2.5			E-131-0.5-1.0			E-132-0.5-1.0								
SAMPLE ID:				E-129-0.5-1.0			E-129-2.0-2.5			E-130-0.5-1.0			E-130-2.0-2.5			E-131-0.5-1.0			E-132-0.5-1.0								
LAB ID:				L2006705-10			L2006705-11			L2006705-01			L2006705-02			L2006705-06			L2006705-04								
COLLECTION DATE:				2/13/2020			2/13/2020			2/13/2020			2/13/2020			2/13/2020			2/13/2020								
SAMPLE DEPTH:				0.5-1.0			2.0-2.5			0.5-1.0			2.0-2.5			0.5-1.0			0.5-1.0								
NJ-NRDCSRS NJ-RDCSRS NJ-IGWS																											
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.0399	U	0.0399	0.00354	0.0348	U	0.0348	0.00309	0.038	U	0.038	0.00337	0.0418	U	0.0418	0.00371	0.253	U	0.253	0.0224	0.0422	U	0.0422	0.00375
Aroclor 1221	1	0.2	0.2	0.0399	U	0.0399	0.004	0.0348	U	0.0348	0.00349	0.038	U	0.038	0.0038	0.0418	U	0.0418	0.00419	0.253	U	0.253	0.0253	0.0422	U	0.0422	0.00423
Aroclor 1232	1	0.2	0.2	0.0399	U	0.0399	0.00846	0.0348	U	0.0348	0.00738	0.038	U	0.038	0.00805	0.0418	U	0.0418	0.00886	0.253	U	0.253	0.0536	0.0422	U	0.0422	0.00895
Aroclor 1242	1	0.2	0.2	0.0399	U	0.0399	0.00538	0.0348	U	0.0348	0.00469	0.038	U	0.038	0.00512	0.0418	U	0.0418	0.00564	0.253	U	0.253	0.0341	0.0422	U	0.0422	0.00569
Aroclor 1248	1	0.2	0.2	0.0399	U	0.0399	0.00599	0.0348	U	0.0348	0.00522	0.038	U	0.038	0.00569	0.0418	U	0.0418	0.00627	0.253	U	0.253	0.0379	0.0422	U	0.0422	0.00633
Aroclor 1254	1	0.2	0.2	0.0399	U	0.0399	0.00437	0.0348	U	0.0348	0.00381	0.038	U	0.038	0.00415	0.0418	U	0.0418	0.00457	0.253	U	0.253	0.0276	0.0422	U	0.0422	0.00462
Aroclor 1260	1	0.2	0.2	0.0828		0.0399	0.00738	0.0939		0.0348	0.00643	0.0196	J	0.038	0.00701	0.0378	J	0.0418	0.00773	1.25		0.253	0.0467	0.199		0.0422	0.0078
Aroclor 1262	1	0.2	0.2	0.0399	U	0.0399	0.00507	0.0348	U	0.0348	0.00442	0.038	U	0.038	0.00482	0.0418	U	0.0418	0.00531	0.253	U	0.253	0.0321	0.0422	U	0.0422	0.00536
Aroclor 1268	1	0.2	0.2	0.0399	U	0.0399	0.00414	0.0348	U	0.0348	0.00361	0.038	U	0.038	0.00393	0.0418	U	0.0418	0.00433	0.253	U	0.253	0.0262	0.0422	U	0.0422	0.00437
PCBs, Total	1	0.2	0.2	0.0828		0.0399	0.00354	0.0939		0.0348	0.00309	0.0196	J	0.038	0.00337	0.0378	J	0.0418	0.00371	1.25		0.253	0.0224	0.199		0.0422	0.00375

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-132-2.0-2.5				E-133-0.5-1.0				E-133-2.0-2.5				E-134-0.5-1.0				E-134-2.0-2.5				E-135-0.5-1.0			
SAMPLE ID:																											
LAB ID:				L2006705-05				L2006705-12				L2006705-13				L2008619-03				L2008619-04				L2008619-07			
COLLECTION DATE:				2/13/2020				2/13/2020				2/13/2020				2/26/2020				2/26/2020				2/26/2020			
SAMPLE DEPTH:				2.0-2.5				0.5-1.0				2.0-2.5				0.5-1.0				2.0-2.5				0.5-1.0			
NJ-NRDCSRS NJ-RDCSRS NJ-IGWS																											
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.751	U	0.751	0.0667	0.927	U	0.927	0.0824	0.0419	U	0.0419	0.00372	0.0341	U	0.0341	0.00303	0.0355	U	0.0355	0.00315	0.792	U	0.792	0.0704
Aroclor 1221	1	0.2	0.2	0.751	U	0.751	0.0752	0.927	U	0.927	0.0929	0.0419	U	0.0419	0.0042	0.0341	U	0.0341	0.00342	0.0355	U	0.0355	0.00356	0.792	U	0.792	0.0794
Aroclor 1232	1	0.2	0.2	0.751	U	0.751	0.159	0.927	U	0.927	0.197	0.0419	U	0.0419	0.00888	0.0341	U	0.0341	0.00723	0.0355	U	0.0355	0.00753	0.792	U	0.792	0.168
Aroclor 1242	1	0.2	0.2	0.751	U	0.751	0.101	0.927	U	0.927	0.125	0.0419	U	0.0419	0.00565	0.0341	U	0.0341	0.0046	0.0355	U	0.0355	0.00479	0.792	U	0.792	0.107
Aroclor 1248	1	0.2	0.2	0.751	U	0.751	0.113	0.927	U	0.927	0.139	0.0419	U	0.0419	0.00628	0.0341	U	0.0341	0.00511	0.0355	U	0.0355	0.00533	0.792	U	0.792	0.119
Aroclor 1254	1	0.2	0.2	0.751	U	0.751	0.0822	0.927	U	0.927	0.101	0.0419	U	0.0419	0.00458	0.0341	U	0.0341	0.00373	0.0355	U	0.0355	0.00388	0.792	U	0.792	0.0867
Aroclor 1260	1	0.2	0.2	4.68		0.751	0.139	8.31		0.927	0.171	0.221		0.0419	0.00774	0.0668		0.0341	0.0063	0.0355	U	0.0355	0.00656	6.34		0.792	0.146
Aroclor 1262	1	0.2	0.2	0.751	U	0.751	0.0954	0.927	U	0.927	0.118	0.0419	U	0.0419	0.00532	0.0341	U	0.0341	0.00433	0.0355	U	0.0355	0.00451	0.792	U	0.792	0.101
Aroclor 1268	1	0.2	0.2	0.751	U	0.751	0.0778	0.927	U	0.927	0.0961	0.0419	U	0.0419	0.00434	0.0341	U	0.0341	0.00353	0.0355	U	0.0355	0.00368	0.792	U	0.792	0.0821
PCBs, Total	1	0.2	0.2	4.68		0.751	0.0667	8.31		0.927	0.0824	0.221		0.0419	0.00372	0.0668		0.0341	0.00303	0.0355	U	0.0355	0.00315	6.34		0.792	0.0704

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH: NJ-NRDCSRS NJ-RDCSRS NJ-IGWS	E-135-2.0-2.5			E-136-0.5-1.0				021320 20 (DUP of E- 136- 0.5-				E-136-2.0-2.5				E-136-3.0-3.5				E-136-4.0-4.5				E-137-0.5-1.0							
	L2008619-08			L2006705-16				L2006705-23				L2006705-17				L2006705-18				L2006705-19				L2006705-20							
	2/26/2020			2/13/2020				2/13/2020				2/13/2020				2/13/2020				2/13/2020											
	2.0-2.5			0.5-1.0				0.5-1.0				2.0-2.5				3.0-3.5				4.0-4.5				0.5-1.0							
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																															
Aroclor 1016	1	0.2	0.2	0.784	U	0.784	0.0696	5.38	U	5.38	0.478	5.37	U	5.37	0.477	0.791	U	0.791	0.0703	0.792	U	0.792	0.0704	0.0368	U	0.0368	0.00327	0.0422	U	0.0422	0.00375
Aroclor 1221	1	0.2	0.2	0.784	U	0.784	0.0785	5.38	U	5.38	0.54	5.37	U	5.37	0.538	0.791	U	0.791	0.0793	0.792	U	0.792	0.0794	0.0368	U	0.0368	0.00369	0.0422	U	0.0422	0.00423
Aroclor 1232	1	0.2	0.2	0.784	U	0.784	0.166	5.38	U	5.38	1.14	5.37	U	5.37	1.14	0.791	U	0.791	0.168	0.792	U	0.792	0.168	0.0368	U	0.0368	0.0078	0.0422	U	0.0422	0.00896
Aroclor 1242	1	0.2	0.2	0.784	U	0.784	0.106	5.38	U	5.38	0.726	5.37	U	5.37	0.724	0.791	U	0.791	0.107	0.792	U	0.792	0.107	0.0368	U	0.0368	0.00496	0.0422	U	0.0422	0.0057
Aroclor 1248	1	0.2	0.2	0.784	U	0.784	0.118	5.38	U	5.38	0.808	5.37	U	5.37	0.806	0.791	U	0.791	0.119	0.792	U	0.792	0.119	0.0368	U	0.0368	0.00552	0.0422	U	0.0422	0.00634
Aroclor 1254	1	0.2	0.2	0.784	U	0.784	0.0857	5.38	U	5.38	0.589	5.37	U	5.37	0.588	0.791	U	0.791	0.0866	0.792	U	0.792	0.0867	0.0368	U	0.0368	0.00402	0.0422	U	0.0422	0.00462
Aroclor 1260	1	0.2	0.2	2.06		0.784	0.145	24.4		5.38	0.995	22.3		5.37	0.993	6.4		0.791	0.146	2.9		0.792	0.146	0.0674		0.0368	0.0068	0.0159	J	0.0422	0.00781
Aroclor 1262	1	0.2	0.2	0.784	U	0.784	0.0995	5.38	U	5.38	0.684	5.37	U	5.37	0.682	0.791	U	0.791	0.1	0.792	U	0.792	0.101	0.0368	U	0.0368	0.00467	0.0422	U	0.0422	0.00536
Aroclor 1268	1	0.2	0.2	0.784	U	0.784	0.0812	5.38	U	5.38	0.558	5.37	U	5.37	0.557	0.791	U	0.791	0.082	0.792	U	0.792	0.0821	0.0368	U	0.0368	0.00381	0.0422	U	0.0422	0.00438
PCBs, Total	1	0.2	0.2	2.06		0.784	0.0696	24.4		5.38	0.478	22.3		5.37	0.477	6.4		0.791	0.0703	2.9		0.792	0.0704	0.0674		0.0368	0.00327	0.0159	J	0.0422	0.00375

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-137-2.0-2.5			E-138-0.5-1.0			E-138-2.0-2.5			E-139-0.5-1.0			E-140-0.5-1.0			E-141-0.5-1.0			E-141-2.0-2.5			E-142-0.5-1.0										
SAMPLE ID:				E-137-2.0-2.5			E-138-0.5-1.0			E-138-2.0-2.5			E-139-0.5-1.0			E-140-0.5-1.0			E-141-0.5-1.0			E-141-2.0-2.5			E-142-0.5-1.0										
LAB ID:				L2006705-21			L2007286-05			L2007286-06			L2005946-14			L2005946-15			L2008805-11			L2008805-12			L2006460-15										
COLLECTION DATE:				2/13/2020			2/18/2020			2/18/2020			2/10/2020			2/10/2020			2/27/2020			2/27/2020			2/12/2020										
SAMPLE DEPTH:				2.0-2.5			0.5-1.0			2.0-2.5			0.5-1.0			0.5-1.0			0.5-1.0			2.0-2.5			0.5-1.0										
NJ-NRDCSRS NJ-RDCSRS NJ-IGWS																																			
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL				
POLYCHLORINATED BIPHENYLS (PCB) BY GC																																			
Aroclor 1016	1	0.2	0.2	0.039	U	0.039	0.00346	19.6	U	19.6	1.74	0.192	U	0.192	0.017	19.8	U	19.8	1.75	40.4	U	40.4	3.58	19.4	U	19.4	1.72	19.1	U	19.1	1.7	0.81	U	0.81	0.0719
Aroclor 1221	1	0.2	0.2	0.039	U	0.039	0.00391	19.6	U	19.6	1.97	0.192	U	0.192	0.0192	19.8	U	19.8	1.98	40.4	U	40.4	4.04	19.4	U	19.4	1.95	19.1	U	19.1	1.91	0.81	U	0.81	0.0811
Aroclor 1232	1	0.2	0.2	0.039	U	0.039	0.00827	19.6	U	19.6	4.16	0.192	U	0.192	0.0407	19.8	U	19.8	4.19	40.4	U	40.4	8.56	19.4	U	19.4	4.12	19.1	U	19.1	4.05	0.81	U	0.81	0.172
Aroclor 1242	1	0.2	0.2	0.039	U	0.039	0.00526	19.6	U	19.6	2.65	0.192	U	0.192	0.0259	19.8	U	19.8	2.66	40.4	U	40.4	5.44	19.4	U	19.4	2.62	19.1	U	19.1	2.58	0.81	U	0.81	0.109
Aroclor 1248	1	0.2	0.2	0.039	U	0.039	0.00585	19.6	U	19.6	2.94	0.192	U	0.192	0.0288	19.8	U	19.8	2.96	40.4	U	40.4	6.05	19.4	U	19.4	2.91	19.1	U	19.1	2.86	0.81	U	0.81	0.121
Aroclor 1254	1	0.2	0.2	0.039	U	0.039	0.00427	19.6	U	19.6	2.15	0.192	U	0.192	0.021	19.8	U	19.8	2.16	40.4	U	40.4	4.42	135		19.4	2.12	75.4		19.1	2.09	0.81	U	0.81	0.0886
Aroclor 1260	1	0.2	0.2	0.0213	J	0.039	0.00721	63.5		19.6	3.63	1.06		0.192	0.0355	64.3		19.8	3.65	120		40.4	7.46	182		19.4	3.59	114		19.1	3.53	4.79		0.81	0.15
Aroclor 1262	1	0.2	0.2	0.039	U	0.039	0.00495	19.6	U	19.6	2.49	0.192	U	0.192	0.0244	19.8	U	19.8	2.51	40.4	U	40.4	5.13	19.4	U	19.4	2.47	19.1	U	19.1	2.43	0.81	U	0.81	0.103
Aroclor 1268	1	0.2	0.2	0.039	U	0.039	0.00404	19.6	U	19.6	2.03	0.192	U	0.192	0.0199	19.8	U	19.8	2.05	40.4	U	40.4	4.18	19.4	U	19.4	2.01	19.1	U	19.1	1.98	0.81	U	0.81	0.0839
PCBs, Total	1	0.2	0.2	0.0213	J	0.039	0.00346	63.5		19.6	1.74	1.06		0.192	0.017	64.3		19.8	1.75	120		40.4	3.58	317		19.4	1.72	189		19.1	1.7	4.79		0.81	0.0719

Notes:
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Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
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IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
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RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH: NJ-NRDCSRS NJ-RDCSRS NJ-IGWS	E-142-2.0-2.5			X-5-02122020 (DUP of E-142-2.0-2.5)			E-142-3.0-3.5			E-142-4.0-4.5			E-143-0.5-1.0			E-143-2.0-2.5											
	L2006460-16			L2006460-28			L2006460-17			L2006460-18			L2006460-25			L2006460-26											
	2/12/2020			2/12/2020			2/12/2020			2/12/2020			2/12/2020			2/12/2020											
	2.0-2.5			2.0-2.5			3.0-3.5			4.0-4.5			0.5-1.0			2.0-2.5											
	ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.041	U	0.041	0.00364	0.0406	U	0.0406	0.0036	0.0409	U	0.0409	0.00363	0.0369	U	0.0369	0.00328	0.04	U	0.04	0.00356	0.0357	U	0.0357	0.00317
Aroclor 1221	1	0.2	0.2	0.041	U	0.041	0.00411	0.0406	U	0.0406	0.00407	0.0409	U	0.0409	0.0041	0.0369	U	0.0369	0.0037	0.04	U	0.04	0.00401	0.0357	U	0.0357	0.00358
Aroclor 1232	1	0.2	0.2	0.041	U	0.041	0.0087	0.0406	U	0.0406	0.00861	0.0409	U	0.0409	0.00867	0.0369	U	0.0369	0.00783	0.04	U	0.04	0.00849	0.0357	U	0.0357	0.00757
Aroclor 1242	1	0.2	0.2	0.041	U	0.041	0.00553	0.0406	U	0.0406	0.00547	0.0409	U	0.0409	0.00551	0.0369	U	0.0369	0.00498	0.04	U	0.04	0.0054	0.0357	U	0.0357	0.00481
Aroclor 1248	1	0.2	0.2	0.041	U	0.041	0.00616	0.0406	U	0.0406	0.00609	0.0409	U	0.0409	0.00614	0.0369	U	0.0369	0.00554	0.04	U	0.04	0.00601	0.0357	U	0.0357	0.00535
Aroclor 1254	1	0.2	0.2	0.041	U	0.041	0.00449	0.0406	U	0.0406	0.00444	0.0409	U	0.0409	0.00448	0.0369	U	0.0369	0.00404	0.04	U	0.04	0.00438	0.0357	U	0.0357	0.0039
Aroclor 1260	1	0.2	0.2	0.246		0.041	0.00758	0.335		0.0406	0.0075	0.0409	U	0.0409	0.00756	0.0714		0.0369	0.00682	0.265		0.04	0.0074	0.168		0.0357	0.0066
Aroclor 1262	1	0.2	0.2	0.041	U	0.041	0.00521	0.0406	U	0.0406	0.00516	0.0409	U	0.0409	0.0052	0.0369	U	0.0369	0.00469	0.04	U	0.04	0.00509	0.0357	U	0.0357	0.00453
Aroclor 1268	1	0.2	0.2	0.041	U	0.041	0.00425	0.0406	U	0.0406	0.0042	0.0409	U	0.0409	0.00424	0.0369	U	0.0369	0.00382	0.04	U	0.04	0.00415	0.0357	U	0.0357	0.0037
PCBs, Total	1	0.2	0.2	0.246		0.041	0.00364	0.335		0.0406	0.0036	0.0409	U	0.0409	0.00363	0.0714		0.0369	0.00328	0.265		0.04	0.00356	0.168		0.0357	0.00317

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-144-0.5-1.0				E-144-2.0-2.5				E-145-0.5-1.0				E-145-2.0-2.5				E-146-0.5-1.0		E-146-2.0-2.5		E-146-3.0-3.5							
SAMPLE ID:				E-144-0.5-1.0				E-144-2.0-2.5				E-145-0.5-1.0				E-145-2.0-2.5				E-146-0.5-1.0		E-146-2.0-2.5		E-146-3.0-3.5							
LAB ID:				L2006460-22				L2006460-23				L2006460-19				L2006460-20				L2007286-07		L2007286-08		L2007286-09							
COLLECTION DATE:				2/12/2020				2/12/2020				2/12/2020				2/12/2020				2/18/2020		2/18/2020		2/18/2020							
SAMPLE DEPTH:				0.5-1.0				2.0-2.5				0.5-1.0				2.0-2.5				0.5-1.0		2.0-2.5		3.0-3.5							
NJ-NRDCSRS NJ-RDCSRS NJ-IGWS																															
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																															
Aroclor 1016	1	0.2	0.2	0.0413	U	0.0413	0.00367	0.0354	U	0.0354	0.00314	0.0399	U	0.0399	0.00354	0.0338	U	0.0338	0.003	21	U	21	1.87	4.06	U	4.06	0.361	0.203	U	0.203	0.018
Aroclor 1221	1	0.2	0.2	0.0413	U	0.0413	0.00414	0.0354	U	0.0354	0.00354	0.0399	U	0.0399	0.004	0.0338	U	0.0338	0.00339	21	U	21	2.11	4.06	U	4.06	0.407	0.203	U	0.203	0.0203
Aroclor 1232	1	0.2	0.2	0.0413	U	0.0413	0.00876	0.0354	U	0.0354	0.00749	0.0399	U	0.0399	0.00846	0.0338	U	0.0338	0.00717	21	U	21	4.46	4.06	U	4.06	0.862	0.203	U	0.203	0.043
Aroclor 1242	1	0.2	0.2	0.0413	U	0.0413	0.00557	0.0354	U	0.0354	0.00476	0.0399	U	0.0399	0.00538	0.0338	U	0.0338	0.00456	21	U	21	2.84	4.06	U	4.06	0.548	0.203	U	0.203	0.0274
Aroclor 1248	1	0.2	0.2	0.0413	U	0.0413	0.0062	0.0354	U	0.0354	0.0053	0.0399	U	0.0399	0.00598	0.0338	U	0.0338	0.00507	21	U	21	3.16	4.06	U	4.06	0.61	0.203	U	0.203	0.0305
Aroclor 1254	1	0.2	0.2	0.0413	U	0.0413	0.00452	0.0354	U	0.0354	0.00387	0.0399	U	0.0399	0.00436	0.0338	U	0.0338	0.0037	98.4		21	2.3	21		4.06	0.445	0.46		0.203	0.0222
Aroclor 1260	1	0.2	0.2	0.144		0.0413	0.00763	0.00692	J	0.0354	0.00653	0.326		0.0399	0.00737	0.09		0.0338	0.00625	70.9		21	3.89	14.1		4.06	0.751	0.396		0.203	0.0375
Aroclor 1262	1	0.2	0.2	0.0413	U	0.0413	0.00524	0.0354	U	0.0354	0.00449	0.0399	U	0.0399	0.00507	0.0338	U	0.0338	0.0043	21	U	21	2.67	4.06	U	4.06	0.516	0.203	U	0.203	0.0258
Aroclor 1268	1	0.2	0.2	0.0413	U	0.0413	0.00428	0.0354	U	0.0354	0.00366	0.0399	U	0.0399	0.00413	0.0338	U	0.0338	0.0035	21	U	21	2.18	4.06	U	4.06	0.421	0.203	U	0.203	0.021
PCBs, Total	1	0.2	0.2	0.144		0.0413	0.00367	0.00692	J	0.0354	0.00314	0.326		0.0399	0.00354	0.09		0.0338	0.003	169		21	1.87	35.1		4.06	0.361	0.856		0.203	0.018

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-146-4.0-4.5				E-147-0.5-1.0				E-147-2.0-2.5				E-148-0.5-1.0			
SAMPLE ID:																			
LAB ID:				L2007286-10				L2006460-07				L2006460-08				L2007286-11			
COLLECTION DATE:				2/18/2020				2/12/2020				2/12/2020				2/18/2020			
SAMPLE DEPTH:				4.0-4.5				0.5-1.0				2.0-2.5				0.5-1.0			
NJ-NRDCSRS NJ-RDCSRS NJ-IGWS																			
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																			
Aroclor 1016	1	0.2	0.2	0.727	U	0.727	0.0646	0.0386	U	0.0386	0.00343	0.0345	U	0.0345	0.00306	0.764	U	0.764	0.0678
Aroclor 1221	1	0.2	0.2	0.727	U	0.727	0.0728	0.0386	U	0.0386	0.00387	0.0345	U	0.0345	0.00346	0.764	U	0.764	0.0765
Aroclor 1232	1	0.2	0.2	0.727	U	0.727	0.154	0.0386	U	0.0386	0.00819	0.0345	U	0.0345	0.00732	0.764	U	0.764	0.162
Aroclor 1242	1	0.2	0.2	0.727	U	0.727	0.098	0.0386	U	0.0386	0.00521	0.0345	U	0.0345	0.00465	0.764	U	0.764	0.103
Aroclor 1248	1	0.2	0.2	0.727	U	0.727	0.109	0.0386	U	0.0386	0.00579	0.0345	U	0.0345	0.00518	0.764	U	0.764	0.114
Aroclor 1254	1	0.2	0.2	1.32		0.727	0.0795	0.0386	U	0.0386	0.00422	0.0345	U	0.0345	0.00378	0.764	U	0.764	0.0836
Aroclor 1260	1	0.2	0.2	1.11		0.727	0.134	0.476		0.0386	0.00714	0.0345	U	0.0345	0.00638	7.49		0.764	0.141
Aroclor 1262	1	0.2	0.2	0.727	U	0.727	0.0923	0.0386	U	0.0386	0.0049	0.0345	U	0.0345	0.00438	0.764	U	0.764	0.097
Aroclor 1268	1	0.2	0.2	0.727	U	0.727	0.0753	0.0386	U	0.0386	0.004	0.0345	U	0.0345	0.00358	0.764	U	0.764	0.0791
PCBs, Total	1	0.2	0.2	2.43		0.727	0.0646	0.476		0.0386	0.00343	0.0345	U	0.0345	0.00306	7.49		0.764	0.0678

Notes:

Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.

Bold - Exceeds lowest applicable standard/screening level

Bold parameter - detected

D = The compound was reported from the Diluted analysis.

J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).

mg/kg - milligrams per kilogram.

U = Not Detected at the RL

IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).

NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-148-2.0-2.5				E-149-0.5-1.0				E-149-2.0-2.5				E-150_0.5-1.0				E-150_2.0-2.5				E-151_0.5-1.0			
SAMPLE ID:																											
LAB ID:				L2007286-12				L2006460-04				L2006460-05				L2006151-04				L2006151-05				L2006151-09			
COLLECTION DATE:				2/18/2020				2/12/2020				2/12/2020				2/11/2020				2/11/2020				2/11/2020			
SAMPLE DEPTH:				2.0-2.5				0.5-1.0				2.0-2.5				0.5-1.0				2.0-2.5				0.5-1.0			
				NJ-NRDCSRS				NJ-RDCSRS				NJ-IGWS															
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.0361	U	0.0361	0.0032	0.0405	U	0.0405	0.0036	0.0345	U	0.0345	0.00306	0.0381	U	0.0381	0.00338	0.0394	U	0.0394	0.0035	0.0349	U	0.0349	0.0031
Aroclor 1221	1	0.2	0.2	0.0361	U	0.0361	0.00362	0.0405	U	0.0405	0.00406	0.0345	U	0.0345	0.00345	0.0381	U	0.0381	0.00382	0.0394	U	0.0394	0.00395	0.0349	U	0.0349	0.0035
Aroclor 1232	1	0.2	0.2	0.0361	U	0.0361	0.00765	0.0405	U	0.0405	0.00859	0.0345	U	0.0345	0.00731	0.0381	U	0.0381	0.00808	0.0394	U	0.0394	0.00835	0.0349	U	0.0349	0.0074
Aroclor 1242	1	0.2	0.2	0.0361	U	0.0361	0.00486	0.0405	U	0.0405	0.00546	0.0345	U	0.0345	0.00465	0.0381	U	0.0381	0.00514	0.0394	U	0.0394	0.00531	0.0349	U	0.0349	0.0047
Aroclor 1248	1	0.2	0.2	0.0361	U	0.0361	0.00541	0.0405	U	0.0405	0.00608	0.0345	U	0.0345	0.00517	0.0381	U	0.0381	0.00572	0.0394	U	0.0394	0.00591	0.0349	U	0.0349	0.00523
Aroclor 1254	1	0.2	0.2	0.0361	U	0.0361	0.00395	0.0405	U	0.0405	0.00443	0.0345	U	0.0345	0.00377	0.0381	U	0.0381	0.00417	0.0394	U	0.0394	0.00431	0.0349	U	0.0349	0.00382
Aroclor 1260	1	0.2	0.2	0.0652		0.0361	0.00667	0.0361	J	0.0405	0.00749	0.00908	J	0.0345	0.00637	0.169		0.0381	0.00704	0.0185	J	0.0394	0.00728	0.391		0.0349	0.00645
Aroclor 1262	1	0.2	0.2	0.0361	U	0.0361	0.00458	0.0405	U	0.0405	0.00515	0.0345	U	0.0345	0.00438	0.0381	U	0.0381	0.00484	0.0394	U	0.0394	0.005	0.0349	U	0.0349	0.00443
Aroclor 1268	1	0.2	0.2	0.0361	U	0.0361	0.00374	0.0405	U	0.0405	0.0042	0.0345	U	0.0345	0.00357	0.0381	U	0.0381	0.00395	0.0394	U	0.0394	0.00408	0.0349	U	0.0349	0.00362
PCBs, Total	1	0.2	0.2	0.0652		0.0361	0.0032	0.0361	J	0.0405	0.0036	0.00908	J	0.0345	0.00306	0.169		0.0381	0.00338	0.0185	J	0.0394	0.0035	0.391		0.0349	0.0031

Notes:
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Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-152-0.5-1.0			E-152-2.0-2.5			E-152-4.0-4.5			E-153-0.5-1.0			E-153-2.0-2.5			E-154-0.5-1.0													
SAMPLE ID:				E-152-0.5-1.0			E-152-2.0-2.5			E-152-4.0-4.5			E-153-0.5-1.0			E-153-2.0-2.5			E-154-0.5-1.0													
LAB ID:				L2006460-01			L2006460-02			L2006460-03			L2006460-10			L2006460-11			L2008805-13													
COLLECTION DATE:				2/12/2020			2/12/2020			2/12/2020			2/12/2020			2/12/2020			2/27/2020													
SAMPLE DEPTH:				0.5-1.0			2.0-2.5			4.0-4.5			0.5-1.0			2.0-2.5			0.5-1.0													
				NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																										
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL					
POLYCHLORINATED BIPHENYLS (PCB) BY GC																																
Aroclor 1016	1	0.2	0.2	4.09	U	4.09	0.363	0.209	U	0.209	0.0186	0.0449	U	0.0449	0.00399	0.0364	U	0.0364	0.00323	0.0366	U	0.0366	0.00325	0.0363	U	0.0363	0.00322					
Aroclor 1221	1	0.2	0.2	4.09	U	4.09	0.41	0.209	U	0.209	0.021	0.0449	U	0.0449	0.0045	0.0364	U	0.0364	0.00364	0.0366	U	0.0366	0.00367	0.0363	U	0.0363	0.00364					
Aroclor 1232	1	0.2	0.2	4.09	U	4.09	0.867	0.209	U	0.209	0.0443	0.0449	U	0.0449	0.00952	0.0364	U	0.0364	0.00771	0.0366	U	0.0366	0.00776	0.0363	U	0.0363	0.0077					
Aroclor 1242	1	0.2	0.2	4.09	U	4.09	0.551	0.209	U	0.209	0.0282	0.0449	U	0.0449	0.00605	0.0364	U	0.0364	0.0049	0.0366	U	0.0366	0.00493	0.0363	U	0.0363	0.0049					
Aroclor 1248	1	0.2	0.2	4.09	U	4.09	0.613	0.209	U	0.209	0.0314	0.0449	U	0.0449	0.00674	0.0364	U	0.0364	0.00545	0.0366	U	0.0366	0.00549	0.0363	U	0.0363	0.00545					
Aroclor 1254	1	0.2	0.2	4.09	U	4.09	0.447	0.209	U	0.209	0.0229	0.0449	U	0.0449	0.00491	0.0364	U	0.0364	0.00398	0.0366	U	0.0366	0.004	0.0191	J	0.0363	0.00397					
Aroclor 1260	1	0.2	0.2	35.6		4.09	0.756	1.95		0.209	0.0386	0.163		0.0449	0.0083	0.0186	J	0.0364	0.00672	0.00687	J	0.0366	0.00676	0.036	J	0.0363	0.00671					
Aroclor 1262	1	0.2	0.2	4.09	U	4.09	0.519	0.209	U	0.209	0.0266	0.0449	U	0.0449	0.0057	0.0364	U	0.0364	0.00462	0.0366	U	0.0366	0.00465	0.0363	U	0.0363	0.00461					
Aroclor 1268	1	0.2	0.2	4.09	U	4.09	0.424	0.209	U	0.209	0.0217	0.0449	U	0.0449	0.00465	0.0364	U	0.0364	0.00376	0.0366	U	0.0366	0.00379	0.0363	U	0.0363	0.00376					
PCBs, Total	1	0.2	0.2	35.6		4.09	0.363	1.95		0.209	0.0186	0.163		0.0449	0.00399	0.0186	J	0.0364	0.00323	0.00687	J	0.0366	0.00325	0.0551	J	0.0363	0.00322					

Notes:

Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.

Bold - Exceeds lowest applicable standard/screening level

Bold parameter - detected

D = The compound was reported from the Diluted analysis.

J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).

mg/kg - milligrams per kilogram.

U = Not Detected at the RL

IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).

NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-154-2.0-2.5			E-155-0.5-1.0			E-155-2.0-2.5			E-156-0.5-1.0			E-157-0.5-1.0			E-158_0.5-1.0			E-159-0.5-1.0																			
SAMPLE ID:				E-154-2.0-2.5			E-155-0.5-1.0			E-155-2.0-2.5			E-156-0.5-1.0			E-157-0.5-1.0			E-158_0.5-1.0			E-159-0.5-1.0																			
LAB ID:				L2008805-14			L2006460-12			L2006460-13			L2008805-15			L2008805-16			L2006151-01			L2008381-06																			
COLLECTION DATE:				2/27/2020			2/12/2020			2/12/2020			2/27/2020			2/27/2020			2/11/2020			2/25/2020																			
SAMPLE DEPTH:				2.0-2.5			0.5-1.0			2.0-2.5			0.5-1.0			0.5-1.0			0.5-1.0			0.5-1.0																			
				NJ-NRDCSRS			NJ-RDCSRS			NJ-IGWS																															
ANALYTE				(mg/kg)		(mg/kg)		(mg/kg)		Conc		Q		RL		MDL		Conc		Q		RL		MDL		Conc		Q		RL		MDL		Conc		Q		RL		MDL	
POLYCHLORINATED BIPHENYLS (PCB) BY GC																																									
Aroclor 1016	1	0.2	0.2	0.0388	U	0.0388	0.00344	0.0368	U	0.0368	0.00327	0.0374	U	0.0374	0.00332	0.169	U	0.169	0.015	0.174	U	0.174	0.0154	0.04	U	0.04	0.00355	0.0371	U	0.0371	0.0033										
Aroclor 1221	1	0.2	0.2	0.0388	U	0.0388	0.00389	0.0368	U	0.0368	0.00369	0.0374	U	0.0374	0.00375	0.169	U	0.169	0.0169	0.174	U	0.174	0.0174	0.04	U	0.04	0.00401	0.0371	U	0.0371	0.00372										
Aroclor 1232	1	0.2	0.2	0.0388	U	0.0388	0.00822	0.0368	U	0.0368	0.00781	0.0374	U	0.0374	0.00793	0.169	U	0.169	0.0358	0.174	U	0.174	0.0368	0.04	U	0.04	0.00848	0.0371	U	0.0371	0.00787										
Aroclor 1242	1	0.2	0.2	0.0388	U	0.0388	0.00523	0.0368	U	0.0368	0.00496	0.0374	U	0.0374	0.00504	0.169	U	0.169	0.0228	0.174	U	0.174	0.0234	0.04	U	0.04	0.00539	0.0371	U	0.0371	0.005										
Aroclor 1248	1	0.2	0.2	0.0388	U	0.0388	0.00582	0.0368	U	0.0368	0.00552	0.0374	U	0.0374	0.00561	0.169	U	0.169	0.0254	0.174	U	0.174	0.026	0.04	U	0.04	0.006	0.0371	U	0.0371	0.00557										
Aroclor 1254	1	0.2	0.2	0.0388	U	0.0388	0.00424	0.0368	U	0.0368	0.00403	0.0374	U	0.0374	0.00409	0.169	U	0.169	0.0185	0.174	U	0.174	0.019	0.04	U	0.04	0.00438	0.0199	J	0.0371	0.00406										
Aroclor 1260	1	0.2	0.2	0.0388	U	0.0388	0.00717	0.247	U	0.0368	0.0068	0.102	U	0.0374	0.00691	1.26	U	0.169	0.0312	0.996	U	0.174	0.0321	0.652	U	0.04	0.00739	0.0225	J	0.0371	0.00686										
Aroclor 1262	1	0.2	0.2	0.0388	U	0.0388	0.00493	0.0368	U	0.0368	0.00468	0.0374	U	0.0374	0.00475	0.169	U	0.169	0.0215	0.174	U	0.174	0.022	0.04	U	0.04	0.00508	0.0371	U	0.0371	0.00472										
Aroclor 1268	1	0.2	0.2	0.0388	U	0.0388	0.00402	0.0368	U	0.0368	0.00382	0.0374	U	0.0374	0.00388	0.169	U	0.169	0.0175	0.174	U	0.174	0.018	0.04	U	0.04	0.00414	0.0371	U	0.0371	0.00385										
PCBs, Total	1	0.2	0.2	0.0388	U	0.0388	0.00344	0.247	U	0.0368	0.00327	0.102	U	0.0374	0.00332	1.26	U	0.169	0.015	0.996	U	0.174	0.0154	0.652	U	0.04	0.00355	0.0424	J	0.0371	0.0033										

Notes:
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Bold parameter - detected
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J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-159-2.0-2.4				E-160-0.5-1.0				E-160-2.0-2.5				E-161-0.5-1.0				E-162-0.5-1.0				E-163-0.5-1.0							
SAMPLE ID:				E-159-2.0-2.4				E-160-0.5-1.0				E-160-2.0-2.5				E-161-0.5-1.0				E-162-0.5-1.0				E-163-0.5-1.0							
LAB ID:				L2008381-07				L2005778-10				L2005778-11				L2005778-08				L2005946-04				L2006151-06							
COLLECTION DATE:				2/25/2020				2/6/2020				2/6/2020				2/6/2020				2/10/2020				2/11/2020							
SAMPLE DEPTH:				2.0-2.4				0.5-1.0				2.0-2.5				0.5-1.0				0.5-1.0				0.5-1.0							
				NJ-NRDCSRS				NJ-RDCSRS				NJ-IGWS																			
ANALYTE				(mg/kg)				(mg/kg)				(mg/kg)				Conc				Q				RL				MDL			
POLYCHLORINATED BIPHENYLS (PCB) BY GC																															
Aroclor 1016	1	0.2	0.2	0.0357	U	0.0357	0.00317	0.0377	U	0.0377	0.00335	0.0357	U	0.0357	0.00317	0.0364	U	0.0364	0.00323	0.0375	U	0.0375	0.00333	0.036	U	0.036	0.0032				
Aroclor 1221	1	0.2	0.2	0.0357	U	0.0357	0.00358	0.0377	U	0.0377	0.00378	0.0357	U	0.0357	0.00357	0.0364	U	0.0364	0.00364	0.0375	U	0.0375	0.00376	0.036	U	0.036	0.00361				
Aroclor 1232	1	0.2	0.2	0.0357	U	0.0357	0.00758	0.0377	U	0.0377	0.00799	0.0357	U	0.0357	0.00756	0.0364	U	0.0364	0.00771	0.0375	U	0.0375	0.00795	0.036	U	0.036	0.00764				
Aroclor 1242	1	0.2	0.2	0.0357	U	0.0357	0.00482	0.0377	U	0.0377	0.00508	0.0357	U	0.0357	0.00481	0.0364	U	0.0364	0.0049	0.0375	U	0.0375	0.00505	0.036	U	0.036	0.00486				
Aroclor 1248	1	0.2	0.2	0.0357	U	0.0357	0.00536	0.0377	U	0.0377	0.00566	0.0357	U	0.0357	0.00535	0.0364	U	0.0364	0.00546	0.0375	U	0.0375	0.00562	0.036	U	0.036	0.0054				
Aroclor 1254	1	0.2	0.2	0.0337	J	0.0357	0.00391	0.0377	U	0.0377	0.00412	0.0357	U	0.0357	0.0039	0.0364	U	0.0364	0.00398	0.0375	U	0.0375	0.0041	0.036	U	0.036	0.00394				
Aroclor 1260	1	0.2	0.2	0.0191	J	0.0357	0.00661	0.0406		0.0377	0.00697	0.148		0.0357	0.00659	0.00694	J	0.0364	0.00672	0.00774	J	0.0375	0.00693	0.0344	J	0.036	0.00666				
Aroclor 1262	1	0.2	0.2	0.0357	U	0.0357	0.00454	0.0377	U	0.0377	0.00479	0.0357	U	0.0357	0.00453	0.0364	U	0.0364	0.00462	0.0375	U	0.0375	0.00476	0.036	U	0.036	0.00458				
Aroclor 1268	1	0.2	0.2	0.0357	U	0.0357	0.0037	0.0377	U	0.0377	0.00391	0.0357	U	0.0357	0.00369	0.0364	U	0.0364	0.00377	0.0375	U	0.0375	0.00388	0.036	U	0.036	0.00373				
PCBs, Total	1	0.2	0.2	0.0528	J	0.0357	0.00317	0.0406		0.0377	0.00335	0.148		0.0357	0.00317	0.00694	J	0.0364	0.00323	0.00774	J	0.0375	0.00333	0.0344	J	0.036	0.0032				

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RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-163-2.0-2.5			E-164-0.5-1.0			X-13-02272020 (DUP of E-164-0.5-1.0)			E-164-2.0-2.5			E-165-0.5-1.0			E-165-2.0-2.5			E-166-0.5-1.0												
	L2006151-07			L2008805-04			L2008805-19			L2008805-05			L2008381-10			L2008381-11			L2008381-08												
	2/11/2020			2/27/2020			2/27/2020			2/27/2020			2/25/2020			2/25/2020			2/25/2020												
	2.0-2.5			0.5-1.0			0.5-1.0			2.0-2.5			0.5-1.0			2.0-2.5			0.5-1.0												
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																															
Aroclor 1016	1	0.2	0.2	0.0357	U	0.0357	0.00317	0.24	U	0.24	0.0214	0.906	U	0.906	0.0805	0.0393	U	0.0393	0.00349	0.189	U	0.189	0.0167	0.0428	U	0.0428	0.0038	0.0406	U	0.0406	0.00361
Aroclor 1221	1	0.2	0.2	0.0357	U	0.0357	0.00358	0.24	U	0.24	0.0241	0.906	U	0.906	0.0908	0.0393	U	0.0393	0.00394	0.189	U	0.189	0.0189	0.0428	U	0.0428	0.00429	0.0406	U	0.0406	0.00407
Aroclor 1232	1	0.2	0.2	0.0357	U	0.0357	0.00757	0.24	U	0.24	0.051	0.906	U	0.906	0.192	0.0393	U	0.0393	0.00833	0.189	U	0.189	0.04	0.0428	U	0.0428	0.00907	0.0406	U	0.0406	0.00862
Aroclor 1242	1	0.2	0.2	0.0357	U	0.0357	0.00481	0.24	U	0.24	0.0324	0.906	U	0.906	0.122	0.0393	U	0.0393	0.0053	0.189	U	0.189	0.0254	0.0428	U	0.0428	0.00577	0.0406	U	0.0406	0.00548
Aroclor 1248	1	0.2	0.2	0.0357	U	0.0357	0.00536	0.24	U	0.24	0.0361	0.906	U	0.906	0.136	0.0393	U	0.0393	0.00589	0.189	U	0.189	0.0283	0.0428	U	0.0428	0.00642	0.0406	U	0.0406	0.0061
Aroclor 1254	1	0.2	0.2	0.0357	U	0.0357	0.0039	0.24	U	0.24	0.0263	0.906	U	0.906	0.0991	0.0393	U	0.0393	0.0043	0.73	0.189	0.0206	0.0428	U	0.0428	0.00468	0.0406	U	0.0406	0.00445	
Aroclor 1260	1	0.2	0.2	0.0357	U	0.0357	0.0066	2.13		0.24	0.0444	3.53		0.906	0.167	0.169	0.0393	0.00726	0.724	0.189	0.0348	0.554	0.0428	0.0079	0.058	0.0406	0.00751				
Aroclor 1262	1	0.2	0.2	0.0357	U	0.0357	0.00453	0.24	U	0.24	0.0305	0.906	U	0.906	0.115	0.0393	U	0.0393	0.00499	0.189	U	0.189	0.024	0.0428	U	0.0428	0.00543	0.0406	U	0.0406	0.00516
Aroclor 1268	1	0.2	0.2	0.0357	U	0.0357	0.0037	0.24	U	0.24	0.0249	0.906	U	0.906	0.0939	0.0393	U	0.0393	0.00407	0.189	U	0.189	0.0195	0.0428	U	0.0428	0.00443	0.0406	U	0.0406	0.00421
PCBs, Total	1	0.2	0.2	0.0357	U	0.0357	0.00317	2.13		0.24	0.0214	3.53		0.906	0.0805	0.169	0.0393	0.00349	1.45	0.189	0.0167	0.554	0.0428	0.0038	0.058	0.0406	0.00361				

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
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IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
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RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-166-2.0-2.5			E-167-0.5-1.0				X-11-022520 20 (DUP of E-167-0.5-1.0)				E-167-2.0-2.5				E-168-0.5-1.0				E-168-2.0-2.5				E-169-0.5-1.0													
	L2008381-09			L2008381-13				L2008381-19				L2008381-14				L2008381-01				L2008381-02				L2007485-24													
	2/25/2020			2/25/2020				2/25/2020				2/25/2020				2/25/2020				2/25/2020				2/19/2020													
	2.0-2.5			0.5-1.0				0.5-1.0				2.0-2.5				0.5-1.0				2.0-2.5				0.5-1.0													
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																																		
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL						
POLYCHLORINATED BIPHENYLS (PCB) BY GC																																					
Aroclor 1016	1	0.2	0.2	0.0367	U	0.0367	0.00326	0.994	U	0.994	0.0883	0.195	U	0.195	0.0174	0.0353	U	0.0353	0.00314	0.773	U	0.773	0.0686	0.0358	U	0.0358	0.00318	0.0404	U	0.0404	0.00358						
Aroclor 1221	1	0.2	0.2	0.0367	U	0.0367	0.00368	0.994	U	0.994	0.0996	0.195	U	0.195	0.0196	0.0353	U	0.0353	0.00354	0.773	U	0.773	0.0774	0.0358	U	0.0358	0.00359	0.0404	U	0.0404	0.00404						
Aroclor 1232	1	0.2	0.2	0.0367	U	0.0367	0.00779	0.994	U	0.994	0.211	0.195	U	0.195	0.0414	0.0353	U	0.0353	0.00749	0.773	U	0.773	0.164	0.0358	U	0.0358	0.00759	0.0404	U	0.0404	0.00856						
Aroclor 1242	1	0.2	0.2	0.0128	J	0.0367	0.00495	0.994	U	0.994	0.134	0.195	U	0.195	0.0263	0.0353	U	0.0353	0.00476	0.773	U	0.773	0.104	0.0358	U	0.0358	0.00482	0.0404	U	0.0404	0.00544						
Aroclor 1248	1	0.2	0.2	0.0367	U	0.0367	0.00551	0.994	U	0.994	0.149	0.195	U	0.195	0.0293	0.0353	U	0.0353	0.0053	0.773	U	0.773	0.116	0.0358	U	0.0358	0.00537	0.0404	U	0.0404	0.00606						
Aroclor 1254	1	0.2	0.2	0.0723		0.0367	0.00402	0.994	U	0.994	0.109	0.195	U	0.195	0.0214	0.0353	U	0.0353	0.00387	0.773	U	0.773	0.0845	0.0358	U	0.0358	0.00392	0.0404	U	0.0404	0.00442						
Aroclor 1260	1	0.2	0.2	0.039		0.0367	0.00679	4.63		0.994	0.184	3.06		0.195	0.0361	0.071		0.0353	0.00653	12.2		0.773	0.143	0.0358	U	0.0358	0.00661	0.0993		0.0404	0.00746						
Aroclor 1262	1	0.2	0.2	0.0367	U	0.0367	0.00466	0.994	U	0.994	0.126	0.195	U	0.195	0.0248	0.0353	U	0.0353	0.00449	0.773	U	0.773	0.0981	0.0358	U	0.0358	0.00454	0.0404	U	0.0404	0.00513						
Aroclor 1268	1	0.2	0.2	0.0367	U	0.0367	0.00381	0.994	U	0.994	0.103	0.195	U	0.195	0.0202	0.0353	U	0.0353	0.00366	0.773	U	0.773	0.08	0.0358	U	0.0358	0.00371	0.0404	U	0.0404	0.00418						
PCBs, Total	1	0.2	0.2	0.124	J	0.0367	0.00326	4.63		0.994	0.0883	3.06		0.195	0.0174	0.071		0.0353	0.00314	12.2		0.773	0.0686	0.0358	U	0.0358	0.00318	0.0993		0.0404	0.00358						

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Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-169-2.0-2.5			E-170-0.5-1.0			E-170-2.0-2.5			E-171-0.5-1.0			X11-020620 (DUP of E-171-0.5-1.0)			E-171-2.0-2.5											
	L2007485-25			L2008381-04			L2008381-05			L2005778-12			L2005778-14			L2005778-13											
	2/19/2020			2/25/2020			2/25/2020			2/6/2020			2/6/2020			2/6/2020											
	2.0-2.5			0.5-1.0			2.0-2.5			0.5-1.0			0.5-1.0			2.0-2.5											
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.0369	U	0.0369	0.00327	0.0369	U	0.0369	0.00328	0.0384	U	0.0384	0.00341	0.038	U	0.038	0.00337	0.0384	U	0.0384	0.00341	0.0361	U	0.0361	0.0032
Aroclor 1221	1	0.2	0.2	0.0369	U	0.0369	0.00369	0.0369	U	0.0369	0.0037	0.0384	U	0.0384	0.00385	0.038	U	0.038	0.00381	0.0384	U	0.0384	0.00384	0.0361	U	0.0361	0.00361
Aroclor 1232	1	0.2	0.2	0.0369	U	0.0369	0.00782	0.0369	U	0.0369	0.00783	0.0384	U	0.0384	0.00814	0.038	U	0.038	0.00806	0.0384	U	0.0384	0.00813	0.0361	U	0.0361	0.00765
Aroclor 1242	1	0.2	0.2	0.0369	U	0.0369	0.00497	0.0369	U	0.0369	0.00498	0.0384	U	0.0384	0.00518	0.038	U	0.038	0.00512	0.0384	U	0.0384	0.00517	0.0361	U	0.0361	0.00486
Aroclor 1248	1	0.2	0.2	0.0369	U	0.0369	0.00553	0.0369	U	0.0369	0.00554	0.0384	U	0.0384	0.00576	0.038	U	0.038	0.0057	0.0384	U	0.0384	0.00576	0.0361	U	0.0361	0.00541
Aroclor 1254	1	0.2	0.2	0.0369	U	0.0369	0.00403	0.0369	U	0.0369	0.00404	0.0384	U	0.0384	0.0042	0.038	U	0.038	0.00416	0.0384	U	0.0384	0.0042	0.0361	U	0.0361	0.00395
Aroclor 1260	1	0.2	0.2	0.0369	U	0.0369	0.00681	0.0274	J	0.0369	0.00682	0.0528		0.0384	0.0071	0.109		0.038	0.00702	0.115		0.0384	0.00709	0.288		0.0361	0.00667
Aroclor 1262	1	0.2	0.2	0.0369	U	0.0369	0.00468	0.0369	U	0.0369	0.00469	0.0384	U	0.0384	0.00488	0.038	U	0.038	0.00483	0.0384	U	0.0384	0.00487	0.0361	U	0.0361	0.00458
Aroclor 1268	1	0.2	0.2	0.0369	U	0.0369	0.00382	0.0369	U	0.0369	0.00382	0.0384	U	0.0384	0.00398	0.038	U	0.038	0.00394	0.0384	U	0.0384	0.00398	0.0361	U	0.0361	0.00374
PCBs, Total	1	0.2	0.2	0.0369	U	0.0369	0.00327	0.0274	J	0.0369	0.00328	0.0528		0.0384	0.00341	0.109		0.038	0.00337	0.115		0.0384	0.00341	0.288		0.0361	0.0032

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-172-0.5-1.0			E-172-2.0-2.5			E-173-0.5-1.0			E-173-2.0-2.5			E-174-0.5-1.0			E-174-2.0-2.5											
	L2005946-06			L2005946-07			L2007485-21			L2007485-22			L2008805-01			L2008805-02											
	2/10/2020			2/10/2020			2/19/2020			2/19/2020			2/27/2020			2/27/2020											
	0.5-1.0			2.0-2.5			0.5-1.0			2.0-2.5			0.5-1.0			2.0-2.5											
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.039	U	0.039	0.00346	0.0357	U	0.0357	0.00317	0.0395	U	0.0395	0.0035	0.0373	U	0.0373	0.00331	0.036	U	0.036	0.0032	0.186	U	0.186	0.0165
Aroclor 1221	1	0.2	0.2	0.039	U	0.039	0.0039	0.0357	U	0.0357	0.00358	0.0395	U	0.0395	0.00395	0.0373	U	0.0373	0.00373	0.036	U	0.036	0.00361	0.186	U	0.186	0.0186
Aroclor 1232	1	0.2	0.2	0.039	U	0.039	0.00826	0.0357	U	0.0357	0.00758	0.0395	U	0.0395	0.00837	0.0373	U	0.0373	0.0079	0.036	U	0.036	0.00763	0.186	U	0.186	0.0394
Aroclor 1242	1	0.2	0.2	0.039	U	0.039	0.00525	0.0357	U	0.0357	0.00482	0.0395	U	0.0395	0.00532	0.0373	U	0.0373	0.00502	0.036	U	0.036	0.00485	0.186	U	0.186	0.025
Aroclor 1248	1	0.2	0.2	0.039	U	0.039	0.00584	0.0357	U	0.0357	0.00536	0.0395	U	0.0395	0.00592	0.0373	U	0.0373	0.00559	0.036	U	0.036	0.0054	0.186	U	0.186	0.0279
Aroclor 1254	1	0.2	0.2	0.039	U	0.039	0.00426	0.0357	U	0.0357	0.00391	0.0395	U	0.0395	0.00432	0.0373	U	0.0373	0.00408	0.073		0.036	0.00394	1.22		0.186	0.0203
Aroclor 1260	1	0.2	0.2	0.0654		0.039	0.0072	0.0203	J	0.0357	0.0066	0.261		0.0395	0.00729	0.0612		0.0373	0.00688	0.0315	J	0.036	0.00665	0.263		0.186	0.0343
Aroclor 1262	1	0.2	0.2	0.039	U	0.039	0.00495	0.0357	U	0.0357	0.00454	0.0395	U	0.0395	0.00501	0.0373	U	0.0373	0.00473	0.036	U	0.036	0.00457	0.186	U	0.186	0.0236
Aroclor 1268	1	0.2	0.2	0.039	U	0.039	0.00404	0.0357	U	0.0357	0.0037	0.0395	U	0.0395	0.00409	0.0373	U	0.0373	0.00386	0.036	U	0.036	0.00373	0.186	U	0.186	0.0192
PCBs, Total	1	0.2	0.2	0.0654		0.039	0.00346	0.0203	J	0.0357	0.00317	0.261		0.0395	0.0035	0.0612		0.0373	0.00331	0.104	J	0.036	0.0032	1.48		0.186	0.0165

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-174-3.5-4.0			E-175-0.5-1.0			X-9-021920 20 (DUP of E- 175-0.5- 1.0)			E-175-2.0-2.5			E-176_0.5-1.0			E-176_2.0-2.5			X-4-0211202 0 (DUP of E- 176-2.0- 2.5)												
	L2008805-03			L2007485-16			L2007485-28			L2007485-17			L2006151-13			L2006151-14			L2006151-16												
	2/27/2020			2/19/2020			2/19/2020			2/19/2020			2/11/2020			2/11/2020			2/11/2020												
	3.5-4.0			0.5-1.0			0.5-1.0			2.0-2.5			0.5-1.0			2.0-2.5			2.0-2.5												
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																															
Aroclor 1016	1	0.2	0.2	0.039	U	0.039	0.00346	0.193	U	0.193	0.0171	0.196	U	0.196	0.0174	0.0372	U	0.0372	0.0033	0.0395	U	0.0395	0.00351	0.0388	U	0.0388	0.00344	0.0378	U	0.0378	0.00336
Aroclor 1221	1	0.2	0.2	0.039	U	0.039	0.00391	0.193	U	0.193	0.0193	0.196	U	0.196	0.0196	0.0372	U	0.0372	0.00373	0.0395	U	0.0395	0.00396	0.0388	U	0.0388	0.00388	0.0378	U	0.0378	0.00379
Aroclor 1232	1	0.2	0.2	0.039	U	0.039	0.00827	0.193	U	0.193	0.0409	0.196	U	0.196	0.0416	0.0372	U	0.0372	0.00789	0.0395	U	0.0395	0.00837	0.0388	U	0.0388	0.00822	0.0378	U	0.0378	0.00802
Aroclor 1242	1	0.2	0.2	0.039	U	0.039	0.00526	0.193	U	0.193	0.026	0.196	U	0.196	0.0264	0.0372	U	0.0372	0.00502	0.0395	U	0.0395	0.00532	0.0388	U	0.0388	0.00522	0.0378	U	0.0378	0.0051
Aroclor 1248	1	0.2	0.2	0.039	U	0.039	0.00585	0.193	U	0.193	0.0289	0.196	U	0.196	0.0294	0.0372	U	0.0372	0.00558	0.0395	U	0.0395	0.00592	0.0388	U	0.0388	0.00581	0.0378	U	0.0378	0.00568
Aroclor 1254	1	0.2	0.2	0.273		0.039	0.00427	0.193	U	0.193	0.0211	0.196	U	0.196	0.0214	0.0372	U	0.0372	0.00407	0.0587		0.0395	0.00432	0.0388	U	0.0388	0.00424	0.0378	U	0.0378	0.00414
Aroclor 1260	1	0.2	0.2	0.039	U	0.039	0.00721	1.04		0.193	0.0356	0.905		0.196	0.0362	0.00789	J	0.0372	0.00688	0.0269	J	0.0395	0.0073	0.0388	U	0.0388	0.00716	0.0378	U	0.0378	0.00699
Aroclor 1262	1	0.2	0.2	0.039	U	0.039	0.00495	0.193	U	0.193	0.0245	0.196	U	0.196	0.0249	0.0372	U	0.0372	0.00473	0.0395	U	0.0395	0.00502	0.0388	U	0.0388	0.00492	0.0378	U	0.0378	0.00481
Aroclor 1268	1	0.2	0.2	0.039	U	0.039	0.00404	0.193	U	0.193	0.02	0.196	U	0.196	0.0203	0.0372	U	0.0372	0.00386	0.0395	U	0.0395	0.00409	0.0388	U	0.0388	0.00401	0.0378	U	0.0378	0.00392
PCBs, Total	1	0.2	0.2	0.273		0.039	0.00346	1.04		0.193	0.0171	0.905		0.196	0.0174	0.00789	J	0.0372	0.0033	0.0856	J	0.0395	0.00351	0.0388	U	0.0388	0.00344	0.0378	U	0.0378	0.00336

Notes:
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Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

	SAMPLE ID:			E-177_0.5-1.0			E-177_2.0-2.5			E-178-0.5-1.0			E-178-2.0-2.5			E-179-0.5-1.0							
	LAB ID:			L2006151-10			L2006151-11			L2005778-05			L2005778-06			L2005946-01							
	COLLECTION DATE:			2/11/2020			2/11/2020			2/6/2020			2/6/2020			2/10/2020							
	SAMPLE DEPTH:			0.5-1.0			2.0-2.5			0.5-1.0			2.0-2.5			0.5-1.0							
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																				
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																							
Aroclor 1016	1	0.2	0.2	0.0361	U	0.0361	0.0032	0.0361	U	0.0361	0.0032	0.0394	U	0.0394	0.0035	0.0355	U	0.0355	0.00315	0.0358	U	0.0358	0.00318
Aroclor 1221	1	0.2	0.2	0.0361	U	0.0361	0.00362	0.0361	U	0.0361	0.00362	0.0394	U	0.0394	0.00394	0.0355	U	0.0355	0.00356	0.0358	U	0.0358	0.00359
Aroclor 1232	1	0.2	0.2	0.0361	U	0.0361	0.00765	0.0361	U	0.0361	0.00765	0.0394	U	0.0394	0.00834	0.0355	U	0.0355	0.00753	0.0358	U	0.0358	0.00759
Aroclor 1242	1	0.2	0.2	0.0361	U	0.0361	0.00487	0.0361	U	0.0361	0.00486	0.0394	U	0.0394	0.00531	0.0355	U	0.0355	0.00479	0.0358	U	0.0358	0.00483
Aroclor 1248	1	0.2	0.2	0.0361	U	0.0361	0.00542	0.0361	U	0.0361	0.00541	0.0394	U	0.0394	0.0059	0.0355	U	0.0355	0.00533	0.0358	U	0.0358	0.00537
Aroclor 1254	1	0.2	0.2	0.0361	U	0.0361	0.00395	0.0361	U	0.0361	0.00395	0.0394	U	0.0394	0.00431	0.0355	U	0.0355	0.00389	0.0358	U	0.0358	0.00392
Aroclor 1260	1	0.2	0.2	0.0103	J	0.0361	0.00667	0.0361	U	0.0361	0.00667	0.061		0.0394	0.00727	0.0496		0.0355	0.00656	0.0481		0.0358	0.00662
Aroclor 1262	1	0.2	0.2	0.0361	U	0.0361	0.00458	0.0361	U	0.0361	0.00458	0.0394	U	0.0394	0.005	0.0355	U	0.0355	0.00451	0.0358	U	0.0358	0.00455
Aroclor 1268	1	0.2	0.2	0.0361	U	0.0361	0.00374	0.0361	U	0.0361	0.00374	0.0394	U	0.0394	0.00408	0.0355	U	0.0355	0.00368	0.0358	U	0.0358	0.00371
PCBs, Total	1	0.2	0.2	0.0103	J	0.0361	0.0032	0.0361	U	0.0361	0.0032	0.061		0.0394	0.0035	0.0496		0.0355	0.00315	0.0481		0.0358	0.00318

Notes:

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Bold - Exceeds lowest applicable standard/screening level

Bold parameter - detected

D = The compound was reported from the Diluted analysis.

J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).

mg/kg - milligrams per kilogram.

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NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-179-2.0-2.5			E-180-0.5-1.0			E-180-1.5-2.0			E-181-0.5-1.0			E-181-1.5-2.0			E-182-0.5-1.0											
	L2005946-02			L2007485-19			L2007485-20			L2007485-14			L2007485-15			L2007485-12											
	2/10/2020			2/19/2020			2/19/2020			2/19/2020			2/19/2020			2/19/2020											
	2.0-2.5			0.5-1.0			1.5-2.0			0.5-1.0			1.5-2.0			0.5-1.0											
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.0334	U	0.0334	0.00297	0.038	U	0.038	0.00338	0.0346	U	0.0346	0.00307	0.0394	U	0.0394	0.00349	0.0389	U	0.0389	0.00346	0.0366	U	0.0366	0.00325
Aroclor 1221	1	0.2	0.2	0.0334	U	0.0334	0.00335	0.038	U	0.038	0.00381	0.0346	U	0.0346	0.00347	0.0394	U	0.0394	0.00394	0.0389	U	0.0389	0.0039	0.0366	U	0.0366	0.00367
Aroclor 1232	1	0.2	0.2	0.0334	U	0.0334	0.00709	0.038	U	0.038	0.00806	0.0346	U	0.0346	0.00734	0.0394	U	0.0394	0.00834	0.0389	U	0.0389	0.00825	0.0366	U	0.0366	0.00777
Aroclor 1242	1	0.2	0.2	0.0334	U	0.0334	0.00451	0.038	U	0.038	0.00512	0.0346	U	0.0346	0.00466	0.0394	U	0.0394	0.0053	0.0389	U	0.0389	0.00525	0.0366	U	0.0366	0.00494
Aroclor 1248	1	0.2	0.2	0.0334	U	0.0334	0.00502	0.038	U	0.038	0.0057	0.0346	U	0.0346	0.00519	0.0394	U	0.0394	0.0059	0.0389	U	0.0389	0.00584	0.0366	U	0.0366	0.0055
Aroclor 1254	1	0.2	0.2	0.0334	U	0.0334	0.00366	0.038	U	0.038	0.00416	0.0346	U	0.0346	0.00378	0.0394	U	0.0394	0.0043	0.0139	J	0.0389	0.00426	0.0366	U	0.0366	0.00401
Aroclor 1260	1	0.2	0.2	0.0334	U	0.0334	0.00618	0.038	U	0.038	0.00703	0.0346	U	0.0346	0.00639	0.0128	J	0.0394	0.00727	0.0159	J	0.0389	0.00719	0.0778	U	0.0366	0.00677
Aroclor 1262	1	0.2	0.2	0.0334	U	0.0334	0.00425	0.038	U	0.038	0.00483	0.0346	U	0.0346	0.00439	0.0394	U	0.0394	0.005	0.0389	U	0.0389	0.00494	0.0366	U	0.0366	0.00465
Aroclor 1268	1	0.2	0.2	0.0334	U	0.0334	0.00346	0.038	U	0.038	0.00394	0.0346	U	0.0346	0.00358	0.0394	U	0.0394	0.00408	0.0389	U	0.0389	0.00403	0.0366	U	0.0366	0.0038
PCBs, Total	1	0.2	0.2	0.0334	U	0.0334	0.00297	0.038	U	0.038	0.00338	0.0346	U	0.0346	0.00307	0.0128	J	0.0394	0.00349	0.0298	J	0.0389	0.00346	0.0778	U	0.0366	0.00325

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-182-1.5-2.0			E-183-0.5-1.0			E-183-1.5-2.0			E-184-0.5-1.0			E-184-1.5-2.0			E-185-0.5-1.0												
SAMPLE ID:				E-182-1.5-2.0			E-183-0.5-1.0			E-183-1.5-2.0			E-184-0.5-1.0			E-184-1.5-2.0			E-185-0.5-1.0												
LAB ID:				L2007485-13			L2007485-08			L2007485-09			L2007485-10			L2007485-11			L2007485-06												
COLLECTION DATE:				2/19/2020			2/19/2020			2/19/2020			2/19/2020			2/19/2020			2/19/2020												
SAMPLE DEPTH:				1.5-2.0			0.5-1.0			1.5-2.0			0.5-1.0			1.5-2.0			0.5-1.0												
				NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																									
ANALYTE				(mg/kg)	(mg/kg)	(mg/kg)	Conc		Q	RL	MDL	Conc		Q	RL	MDL	Conc		Q	RL	MDL	Conc		Q	RL	MDL	Conc		Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																															
Aroclor 1016				1	0.2	0.2	0.0404	U	0.0404	0.00359	0.0388	U	0.0388	0.00345	0.037	U	0.037	0.00329	0.0357	U	0.0357	0.00317	0.0364	U	0.0364	0.00324	0.808	U	0.808	0.0717	
Aroclor 1221				1	0.2	0.2	0.0404	U	0.0404	0.00405	0.0388	U	0.0388	0.00389	0.037	U	0.037	0.00371	0.0357	U	0.0357	0.00358	0.0364	U	0.0364	0.00365	0.808	U	0.808	0.0809	
Aroclor 1232				1	0.2	0.2	0.0404	U	0.0404	0.00856	0.0388	U	0.0388	0.00824	0.037	U	0.037	0.00785	0.0357	U	0.0357	0.00757	0.0364	U	0.0364	0.00773	0.808	U	0.808	0.171	
Aroclor 1242				1	0.2	0.2	0.0404	U	0.0404	0.00544	0.0388	U	0.0388	0.00524	0.037	U	0.037	0.00499	0.0357	U	0.0357	0.00481	0.0364	U	0.0364	0.00491	0.808	U	0.808	0.109	
Aroclor 1248				1	0.2	0.2	0.0404	U	0.0404	0.00606	0.0388	U	0.0388	0.00583	0.037	U	0.037	0.00555	0.0357	U	0.0357	0.00535	0.0364	U	0.0364	0.00547	0.808	U	0.808	0.121	
Aroclor 1254				1	0.2	0.2	0.0404	U	0.0404	0.00442	0.0388	U	0.0388	0.00425	0.037	U	0.037	0.00405	0.0357	U	0.0357	0.0039	0.0364	U	0.0364	0.00399	0.808	U	0.808	0.0884	
Aroclor 1260				1	0.2	0.2	0.0404	U	0.0404	0.00746	0.0776	0.0388	0.00718	0.41	0.037	0.00684	0.282	0.0357	0.0066	0.0348	J	0.0364	0.00674	3.22	0.808	0.149					
Aroclor 1262				1	0.2	0.2	0.0404	U	0.0404	0.00513	0.0388	U	0.0388	0.00493	0.037	U	0.037	0.0047	0.0357	U	0.0357	0.00453	0.0364	U	0.0364	0.00463	0.808	U	0.808	0.102	
Aroclor 1268				1	0.2	0.2	0.0404	U	0.0404	0.00418	0.0388	U	0.0388	0.00402	0.037	U	0.037	0.00383	0.0357	U	0.0357	0.0037	0.0364	U	0.0364	0.00378	0.808	U	0.808	0.0837	
PCBs, Total				1	0.2	0.2	0.0404	U	0.0404	0.00359	0.0776	0.0388	0.00345	0.41	0.037	0.00329	0.282	0.0357	0.00317	0.0348	J	0.0364	0.00324	3.22	0.808	0.0717					

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-185-1.5-2.0				E-186-0.5-1.0				E-186-1.5-2.0				E-187-0.5-1.0				E-187-1.5-2.0				E-188-0.5-1.0					
SAMPLE ID:				E-185-1.5-2.0				E-186-0.5-1.0				E-186-1.5-2.0				E-187-0.5-1.0				E-187-1.5-2.0				E-188-0.5-1.0					
LAB ID:				L2007485-07				L2005778-03				L2005778-04				L2005778-01				L2005778-02				L2007286-26					
COLLECTION DATE:				2/19/2020				2/6/2020				2/6/2020				2/6/2020				2/6/2020				2/18/2020					
SAMPLE DEPTH:				1.5-2.0				0.5-1.0				1.5-2.0				0.5-1.0				1.5-2.0				0.5-1.0					
				NJ-NRDCSRS		NJ-RDCSRS		NJ-IGWS																					
ANALYTE				(mg/kg)		(mg/kg)		(mg/kg)		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																													
Aroclor 1016	1	0.2	0.2	0.807	U	0.807	0.0717	0.0347	U	0.0347	0.00308	0.038	U	0.038	0.00337	0.0392	U	0.0392	0.00348	0.0361	U	0.0361	0.00321	0.0383	U	0.0383	0.0034		
Aroclor 1221	1	0.2	0.2	0.807	U	0.807	0.0809	0.0347	U	0.0347	0.00347	0.038	U	0.038	0.0038	0.0392	U	0.0392	0.00393	0.0361	U	0.0361	0.00362	0.0383	U	0.0383	0.00384		
Aroclor 1232	1	0.2	0.2	0.807	U	0.807	0.171	0.0347	U	0.0347	0.00735	0.038	U	0.038	0.00805	0.0392	U	0.0392	0.00831	0.0361	U	0.0361	0.00766	0.0383	U	0.0383	0.00812		
Aroclor 1242	1	0.2	0.2	0.807	U	0.807	0.109	0.0347	U	0.0347	0.00467	0.038	U	0.038	0.00512	0.0392	U	0.0392	0.00528	0.0361	U	0.0361	0.00487	0.0383	U	0.0383	0.00516		
Aroclor 1248	1	0.2	0.2	0.807	U	0.807	0.121	0.0347	U	0.0347	0.0052	0.038	U	0.038	0.0057	0.0392	U	0.0392	0.00588	0.0361	U	0.0361	0.00542	0.0383	U	0.0383	0.00575		
Aroclor 1254	1	0.2	0.2	0.807	U	0.807	0.0883	0.0347	U	0.0347	0.00379	0.038	U	0.038	0.00415	0.0392	U	0.0392	0.00429	0.0361	U	0.0361	0.00395	0.0383	U	0.0383	0.00419		
Aroclor 1260	1	0.2	0.2	7.4		0.807	0.149	0.0785		0.0347	0.00641	0.0214	J	0.038	0.00702	0.461		0.0392	0.00725	0.578		0.0361	0.00668	0.00962	J	0.0383	0.00708		
Aroclor 1262	1	0.2	0.2	0.807	U	0.807	0.102	0.0347	U	0.0347	0.0044	0.038	U	0.038	0.00482	0.0392	U	0.0392	0.00498	0.0361	U	0.0361	0.00459	0.0383	U	0.0383	0.00487		
Aroclor 1268	1	0.2	0.2	0.807	U	0.807	0.0836	0.0347	U	0.0347	0.00359	0.038	U	0.038	0.00393	0.0392	U	0.0392	0.00406	0.0361	U	0.0361	0.00374	0.0383	U	0.0383	0.00397		
PCBs, Total	1	0.2	0.2	7.4		0.807	0.0717	0.0785		0.0347	0.00308	0.0214	J	0.038	0.00337	0.461		0.0392	0.00348	0.578		0.0361	0.00321	0.00962	J	0.0383	0.0034		

Notes:
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Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-188-1.5-2.0			E-189-0.5-1.0			E-189-1.5-2.0			E-190-0.5-1.0			E-190-1.5-2.0			E-191-0.5-1.0												
SAMPLE ID:				E-188-1.5-2.0			E-189-0.5-1.0			E-189-1.5-2.0			E-190-0.5-1.0			E-190-1.5-2.0			E-191-0.5-1.0												
LAB ID:				L2007286-27			L2007485-01			L2007485-02			L2006870-09			L2007286-14			L2006870-01												
COLLECTION DATE:				2/18/2020			2/19/2020			2/19/2020			2/14/2020			2/18/2020			2/14/2020												
SAMPLE DEPTH:				1.5-2.0			0.5-1.0			1.5-2.0			0.5-1.0			1.5-2.0			0.5-1.0												
				NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																									
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL				
POLYCHLORINATED BIPHENYLS (PCB) BY GC																															
Aroclor 1016	1	0.2	0.2	0.0369	U	0.0369	0.00327	0.0398	U	0.0398	0.00353	0.0378	U	0.0378	0.00336	0.222	U	0.222	0.0197	0.0381	U	0.0381	0.00338	0.0359	U	0.0359	0.00319				
Aroclor 1221	1	0.2	0.2	0.0369	U	0.0369	0.0037	0.0398	U	0.0398	0.00398	0.0378	U	0.0378	0.00379	0.222	U	0.222	0.0222	0.0381	U	0.0381	0.00382	0.0359	U	0.0359	0.0036				
Aroclor 1232	1	0.2	0.2	0.0369	U	0.0369	0.00782	0.0398	U	0.0398	0.00843	0.0378	U	0.0378	0.00801	0.222	U	0.222	0.0471	0.0381	U	0.0381	0.00808	0.0359	U	0.0359	0.00762				
Aroclor 1242	1	0.2	0.2	0.0369	U	0.0369	0.00497	0.0398	U	0.0398	0.00536	0.0378	U	0.0378	0.00509	0.222	U	0.222	0.0299	0.0381	U	0.0381	0.00513	0.0359	U	0.0359	0.00484				
Aroclor 1248	1	0.2	0.2	0.0369	U	0.0369	0.00553	0.0398	U	0.0398	0.00596	0.0378	U	0.0378	0.00567	0.222	U	0.222	0.0333	0.0381	U	0.0381	0.00571	0.0359	U	0.0359	0.00539				
Aroclor 1254	1	0.2	0.2	0.0369	U	0.0369	0.00403	0.0398	U	0.0398	0.00435	0.0378	U	0.0378	0.00413	0.222	U	0.222	0.0243	0.0381	U	0.0381	0.00417	0.334	0.0359	U	0.00393				
Aroclor 1260	1	0.2	0.2	0.061		0.0369	0.00682	0.252		0.0398	0.00735	0.0986		0.0378	0.00698	1.48		0.222	0.041	0.511		0.0381	0.00704	0.203	0.0359	U	0.00664				
Aroclor 1262	1	0.2	0.2	0.0369	U	0.0369	0.00468	0.0398	U	0.0398	0.00505	0.0378	U	0.0378	0.0048	0.222	U	0.222	0.0282	0.0381	U	0.0381	0.00484	0.0359	U	0.0359	0.00456				
Aroclor 1268	1	0.2	0.2	0.0369	U	0.0369	0.00382	0.0398	U	0.0398	0.00412	0.0378	U	0.0378	0.00391	0.222	U	0.222	0.023	0.0381	U	0.0381	0.00395	0.0359	U	0.0359	0.00372				
PCBs, Total	1	0.2	0.2	0.061		0.0369	0.00327	0.252		0.0398	0.00353	0.0986		0.0378	0.00336	1.48		0.222	0.0197	0.511		0.0381	0.00338	0.537	0.0359	U	0.00319				

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-191-1.5-2.0			E-192-0.5-1.0			E-192-1.5-2.0			E-193-0.5-1.0			X-8-02182020 (DUP of E-193-0.5-1.0)			E-193-2.0-2.5											
	L2007286-15			L2006870-02			L2007286-16			L2007286-17			L2007286-28			L2007286-18											
	2/18/2020			2/14/2020			2/18/2020			2/18/2020			2/18/2020			2/18/2020											
	1.5-2.0			0.5-1.0			1.5-2.0			0.5-1.0			0.5-1.0			2.0-2.5											
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC																											
Aroclor 1016	1	0.2	0.2	0.0381	U	0.0381	0.00338	0.0422	U	0.0422	0.00375	0.037	U	0.037	0.00329	0.208	U	0.208	0.0184	0.838	U	0.838	0.0744	0.21	U	0.21	0.0186
Aroclor 1221	1	0.2	0.2	0.0381	U	0.0381	0.00381	0.0422	U	0.0422	0.00423	0.037	U	0.037	0.00371	0.208	U	0.208	0.0208	0.838	U	0.838	0.0839	0.21	U	0.21	0.021
Aroclor 1232	1	0.2	0.2	0.0381	U	0.0381	0.00807	0.0422	U	0.0422	0.00894	0.037	U	0.037	0.00785	0.208	U	0.208	0.044	0.838	U	0.838	0.178	0.21	U	0.21	0.0445
Aroclor 1242	1	0.2	0.2	0.0381	U	0.0381	0.00513	0.0422	U	0.0422	0.00569	0.037	U	0.037	0.00499	0.208	U	0.208	0.028	0.838	U	0.838	0.113	0.21	U	0.21	0.0283
Aroclor 1248	1	0.2	0.2	0.0381	U	0.0381	0.00571	0.0422	U	0.0422	0.00633	0.037	U	0.037	0.00555	0.208	U	0.208	0.0311	0.838	U	0.838	0.126	0.21	U	0.21	0.0315
Aroclor 1254	1	0.2	0.2	0.0381	U	0.0381	0.00416	0.0422	U	0.0422	0.00462	0.037	U	0.037	0.00405	0.525		0.208	0.0227	0.838	U	0.838	0.0916	0.558		0.21	0.0229
Aroclor 1260	1	0.2	0.2	0.0479		0.0381	0.00704	0.409		0.0422	0.0078	0.128		0.037	0.00684	1.99		0.208	0.0384	6.08		0.838	0.155	1.66		0.21	0.0388
Aroclor 1262	1	0.2	0.2	0.0381	U	0.0381	0.00484	0.0422	U	0.0422	0.00536	0.037	U	0.037	0.0047	0.208	U	0.208	0.0264	0.838	U	0.838	0.106	0.21	U	0.21	0.0266
Aroclor 1268	1	0.2	0.2	0.0381	U	0.0381	0.00394	0.0422	U	0.0422	0.00437	0.037	U	0.037	0.00384	0.208	U	0.208	0.0215	0.838	U	0.838	0.0868	0.21	U	0.21	0.0217
PCBs, Total	1	0.2	0.2	0.0479		0.0381	0.00338	0.409		0.0422	0.00375	0.128		0.037	0.00329	2.52		0.208	0.0184	6.08		0.838	0.0744	2.22		0.21	0.0186

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-193-3.0-3.5			E-194-0.5-1.0			E-194-2.0-2.5			E-194-3.0-3.5			E-195-0.5-1.0			E-195-2.0-2.5											
SAMPLE ID:				E-193-3.0-3.5			E-194-0.5-1.0			E-194-2.0-2.5			E-194-3.0-3.5			E-195-0.5-1.0			E-195-2.0-2.5											
LAB ID:				L2007286-19			L2007286-23			L2007286-24			L2007286-25			L2007286-20			L2007286-21											
COLLECTION DATE:				2/18/2020			2/18/2020			2/18/2020			2/18/2020			2/18/2020			2/18/2020											
SAMPLE DEPTH:				3.0-3.5			0.5-1.0			2.0-2.5			3.0-3.5			0.5-1.0			2.0-2.5											
				NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE				(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL				
POLYCHLORINATED BIPHENYLS (PCB) BY GC																														
Aroclor 1016	1	0.2	0.2	0.0384	U	0.0384	0.00341	0.0393	U	0.0393	0.00349	0.0371	U	0.0371	0.00329	0.036	U	0.036	0.0032	0.0408	U	0.0408	0.00362	0.0368	U	0.0368	0.00326			
Aroclor 1221	1	0.2	0.2	0.0384	U	0.0384	0.00385	0.0393	U	0.0393	0.00394	0.0371	U	0.0371	0.00372	0.036	U	0.036	0.00361	0.0408	U	0.0408	0.00409	0.0368	U	0.0368	0.00368			
Aroclor 1232	1	0.2	0.2	0.0384	U	0.0384	0.00814	0.0393	U	0.0393	0.00833	0.0371	U	0.0371	0.00786	0.036	U	0.036	0.00763	0.0408	U	0.0408	0.00866	0.0368	U	0.0368	0.0078			
Aroclor 1242	1	0.2	0.2	0.0384	U	0.0384	0.00517	0.0393	U	0.0393	0.00529	0.0371	U	0.0371	0.005	0.036	U	0.036	0.00485	0.0408	U	0.0408	0.0055	0.0368	U	0.0368	0.00496			
Aroclor 1248	1	0.2	0.2	0.0384	U	0.0384	0.00576	0.0393	U	0.0393	0.00589	0.0371	U	0.0371	0.00556	0.036	U	0.036	0.0054	0.0408	U	0.0408	0.00612	0.0368	U	0.0368	0.00552			
Aroclor 1254	1	0.2	0.2	0.0384	U	0.0384	0.0042	0.0393	U	0.0393	0.0043	0.0371	U	0.0371	0.00406	0.036	U	0.036	0.00394	0.0408	U	0.0408	0.00447	0.0368	U	0.0368	0.00402			
Aroclor 1260	1	0.2	0.2	0.021	J	0.0384	0.00709	0.102		0.0393	0.00726	0.00814	J	0.0371	0.00685	0.036	U	0.036	0.00665	0.195		0.0408	0.00754	0.0368	U	0.0368	0.0068			
Aroclor 1262	1	0.2	0.2	0.0384	U	0.0384	0.00488	0.0393	U	0.0393	0.00499	0.0371	U	0.0371	0.00471	0.036	U	0.036	0.00457	0.0408	U	0.0408	0.00518	0.0368	U	0.0368	0.00467			
Aroclor 1268	1	0.2	0.2	0.0384	U	0.0384	0.00398	0.0393	U	0.0393	0.00407	0.0371	U	0.0371	0.00384	0.036	U	0.036	0.00373	0.0408	U	0.0408	0.00423	0.0368	U	0.0368	0.00381			
PCBs, Total	1	0.2	0.2	0.021	J	0.0384	0.00341	0.102		0.0393	0.00349	0.00814	J	0.0371	0.00329	0.036	U	0.036	0.0032	0.195		0.0408	0.00362	0.0368	U	0.0368	0.00326			

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

				E-195-3.0-3.5			E-196-0.5-1.0			E-196-2.0-2.5			E-196-3.0-3.5			E-197-0.5-1.0			E-198-0.5-1.0											
SAMPLE ID:																														
LAB ID:				L2007286-22			L2007485-03			L2007485-04			L2007485-05			L2006870-03			L2006870-06											
COLLECTION DATE:				2/18/2020			2/19/2020			2/19/2020			2/19/2020			2/14/2020			2/14/2020											
SAMPLE DEPTH:				3.0-3.5			0.5-1.0			2.0-2.5			3.0-3.5			0.5-1.0			0.5-1.0											
				NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL			
POLYCHLORINATED BIPHENYLS (PCB) BY GC																														
Aroclor 1016	1	0.2	0.2	0.0366	U	0.0366	0.00325	0.0421	U	0.0421	0.00374	0.0414	U	0.0414	0.00367	0.0376	U	0.0376	0.00334	0.2	U	0.2	0.0178	0.0369	U	0.0369	0.00327			
Aroclor 1221	1	0.2	0.2	0.0366	U	0.0366	0.00367	0.0421	U	0.0421	0.00422	0.0414	U	0.0414	0.00414	0.0376	U	0.0376	0.00377	0.2	U	0.2	0.02	0.0369	U	0.0369	0.00369			
Aroclor 1232	1	0.2	0.2	0.0366	U	0.0366	0.00776	0.0421	U	0.0421	0.00892	0.0414	U	0.0414	0.00877	0.0376	U	0.0376	0.00798	0.2	U	0.2	0.0424	0.0369	U	0.0369	0.00781			
Aroclor 1242	1	0.2	0.2	0.0366	U	0.0366	0.00494	0.0421	U	0.0421	0.00567	0.0414	U	0.0414	0.00558	0.0376	U	0.0376	0.00507	0.2	U	0.2	0.027	0.0369	U	0.0369	0.00497			
Aroclor 1248	1	0.2	0.2	0.0366	U	0.0366	0.00549	0.0421	U	0.0421	0.00631	0.0414	U	0.0414	0.00621	0.0376	U	0.0376	0.00565	0.2	U	0.2	0.03	0.0369	U	0.0369	0.00553			
Aroclor 1254	1	0.2	0.2	0.0366	U	0.0366	0.004	0.0421	U	0.0421	0.0046	0.0414	U	0.0414	0.00453	0.0376	U	0.0376	0.00412	0.2	U	0.2	0.0219	0.0369	U	0.0369	0.00403			
Aroclor 1260	1	0.2	0.2	0.0366	U	0.0366	0.00677	0.1	U	0.0421	0.00778	0.318	U	0.0414	0.00765	0.185	U	0.0376	0.00696	0.86	U	0.2	0.037	0.0569	U	0.0369	0.00681			
Aroclor 1262	1	0.2	0.2	0.0366	U	0.0366	0.00465	0.0421	U	0.0421	0.00534	0.0414	U	0.0414	0.00525	0.0376	U	0.0376	0.00478	0.2	U	0.2	0.0254	0.0369	U	0.0369	0.00468			
Aroclor 1268	1	0.2	0.2	0.0366	U	0.0366	0.00379	0.0421	U	0.0421	0.00436	0.0414	U	0.0414	0.00429	0.0376	U	0.0376	0.0039	0.2	U	0.2	0.0207	0.0369	U	0.0369	0.00382			
PCBs, Total	1	0.2	0.2	0.0366	U	0.0366	0.00325	0.1	U	0.0421	0.00374	0.318	U	0.0414	0.00367	0.185	U	0.0376	0.00334	0.86	U	0.2	0.0178	0.0569	U	0.0369	0.00327			

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-200-2.0-2.5			E-201-0.5-1.0			E-201-2.0-2.5			E-202-0.5-1.0			E-203-0.5-1.0			E-203-2.0-2.5			E-204-0.5-1.0																		
	L2008381-17			L2006151-02			L2006151-03			L2008805-17			L2008619-01			L2008619-02			L2007286-01																		
	2/25/2020			2/11/2020			2/11/2020			2/27/2020			2/26/2020			2/26/2020			2/18/2020																		
	2.0-2.5			0.5-1.0			2.0-2.5			0.5-1.0			0.5-1.0			2.0-2.5			0.5-1.0																		
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																																		
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL						
POLYCHLORINATED BIPHENYLS (PCB) BY GC																																					
Aroclor 1016	1	0.2	0.2	0.0421	U	0.0421	0.00374	0.189	U	0.189	0.0168	0.184	U	0.184	0.0163	0.0343	U	0.0343	0.00305	0.0383	U	0.0383	0.0034	0.0398	U	0.0398	0.00353	3.93	U	3.93	0.349						
Aroclor 1221	1	0.2	0.2	0.0421	U	0.0421	0.00422	0.189	U	0.189	0.019	0.184	U	0.184	0.0184	0.0343	U	0.0343	0.00344	0.0383	U	0.0383	0.00383	0.0398	U	0.0398	0.00399	3.93	U	3.93	0.394						
Aroclor 1232	1	0.2	0.2	0.0421	U	0.0421	0.00892	0.189	U	0.189	0.0401	0.184	U	0.184	0.039	0.0343	U	0.0343	0.00728	0.0383	U	0.0383	0.00811	0.0398	U	0.0398	0.00843	3.93	U	3.93	0.833						
Aroclor 1242	1	0.2	0.2	0.0421	U	0.0421	0.00567	0.189	U	0.189	0.0255	0.184	U	0.184	0.0248	0.0343	U	0.0343	0.00463	0.0383	U	0.0383	0.00516	0.0398	U	0.0398	0.00536	3.93	U	3.93	0.529						
Aroclor 1248	1	0.2	0.2	0.0421	U	0.0421	0.00631	0.189	U	0.189	0.0284	0.184	U	0.184	0.0276	0.0343	U	0.0343	0.00515	0.0383	U	0.0383	0.00574	0.0398	U	0.0398	0.00597	3.93	U	3.93	0.589						
Aroclor 1254	1	0.2	0.2	0.133		0.0421	0.0046	0.189	U	0.189	0.0207	0.184	U	0.184	0.0201	0.0343	U	0.0343	0.00376	0.0383	U	0.0383	0.00418	0.0398	U	0.0398	0.00435	3.93	U	3.93	0.43						
Aroclor 1260	1	0.2	0.2	0.0357	J	0.0421	0.00777	1.73		0.189	0.035	0.832		0.184	0.034	0.145		0.0343	0.00635	0.495		0.0383	0.00707	0.565		0.0398	0.00735	9.6		3.93	0.726						
Aroclor 1262	1	0.2	0.2	0.0421	U	0.0421	0.00534	0.189	U	0.189	0.024	0.184	U	0.184	0.0234	0.0343	U	0.0343	0.00436	0.0383	U	0.0383	0.00486	0.0398	U	0.0398	0.00505	3.93	U	3.93	0.499						
Aroclor 1268	1	0.2	0.2	0.0421	U	0.0421	0.00436	0.189	U	0.189	0.0196	0.184	U	0.184	0.019	0.0343	U	0.0343	0.00356	0.0383	U	0.0383	0.00396	0.0398	U	0.0398	0.00412	3.93	U	3.93	0.407						
PCBs, Total	1	0.2	0.2	0.169	J	0.0421	0.00374	1.73		0.189	0.0168	0.832		0.184	0.0163	0.145		0.0343	0.00305	0.495		0.0383	0.0034	0.565		0.0398	0.00353	9.6		3.93	0.349						

Notes:
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Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE DEPTH:	E-204-2.0-2.5			E-204-3.0-3.5			E-204-4.0-4.5			E-205-0.5-1.0			E-205-2.0-2.5			E-205-3.0-3.5			E-206-0.5-1.0												
	L2007286-02			L2007286-03			L2007286-04			L2008805-06			L2008805-07			L2008805-08			L2008805-09												
	2/18/2020			2/18/2020			2/18/2020			2/27/2020			2/27/2020			2/27/2020			2/27/2020												
	2.0-2.5			3.0-3.5			4.0-4.5			0.5-1.0			2.0-2.5			3.0-3.5			0.5-1.0												
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS																												
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL				
POLYCHLORINATED BIPHENYLS (PCB) BY GC																															
Aroclor 1016	1	0.2	0.2	3.64	U	3.64	0.323	4.04	U	4.04	0.359	0.736	U	0.736	0.0653	0.205	U	0.205	0.0182	0.0379	U	0.0379	0.00336	0.0366	U	0.0366	0.00325	0.807	U	0.807	0.0716
Aroclor 1221	1	0.2	0.2	3.64	U	3.64	0.365	4.04	U	4.04	0.405	0.736	U	0.736	0.0737	0.205	U	0.205	0.0206	0.0379	U	0.0379	0.0038	0.0366	U	0.0366	0.00367	0.807	U	0.807	0.0808
Aroclor 1232	1	0.2	0.2	3.64	U	3.64	0.772	4.04	U	4.04	0.857	0.736	U	0.736	0.156	0.205	U	0.205	0.0435	0.0379	U	0.0379	0.00803	0.0366	U	0.0366	0.00776	0.807	U	0.807	0.171
Aroclor 1242	1	0.2	0.2	3.64	U	3.64	0.491	4.04	U	4.04	0.545	0.736	U	0.736	0.0992	0.205	U	0.205	0.0276	0.0379	U	0.0379	0.0051	0.0366	U	0.0366	0.00494	0.807	U	0.807	0.109
Aroclor 1248	1	0.2	0.2	3.64	U	3.64	0.546	4.04	U	4.04	0.607	0.736	U	0.736	0.11	0.205	U	0.205	0.0308	0.0379	U	0.0379	0.00568	0.0366	U	0.0366	0.00549	0.807	U	0.807	0.121
Aroclor 1254	1	0.2	0.2	3.64	U	3.64	0.398	4.04	U	4.04	0.442	0.736	U	0.736	0.0805	0.205	U	0.205	0.0224	0.0379	U	0.0379	0.00414	0.0366	U	0.0366	0.00401	0.807	U	0.807	0.0883
Aroclor 1260	1	0.2	0.2	11.9		3.64	0.673	8.26		4.04	0.747	2.46		0.736	0.136	1.72		0.205	0.0379	0.591		0.0379	0.007	0.478		0.0366	0.00677	6.38		0.807	0.149
Aroclor 1262	1	0.2	0.2	3.64	U	3.64	0.462	4.04	U	4.04	0.514	0.736	U	0.736	0.0934	0.205	U	0.205	0.026	0.0379	U	0.0379	0.00481	0.0366	U	0.0366	0.00465	0.807	U	0.807	0.102
Aroclor 1268	1	0.2	0.2	3.64	U	3.64	0.377	4.04	U	4.04	0.419	0.736	U	0.736	0.0762	0.205	U	0.205	0.0212	0.0379	U	0.0379	0.00392	0.0366	U	0.0366	0.00379	0.807	U	0.807	0.0836
PCBs, Total	1	0.2	0.2	11.9		3.64	0.323	8.26		4.04	0.359	2.46		0.736	0.0653	1.72		0.205	0.0182	0.591		0.0379	0.00336	0.478		0.0366	0.00325	6.38		0.807	0.0716

Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
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RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017

Table 3
Soil Analytical Results - Polychlorinated Biphenyls
East Barracks Rail Yard
Trenton, New Jersey

SAMPLE ID:				E-206-2.0-2.5			
LAB ID:				L2008805-10			
COLLECTION DATE:				2/27/2020			
SAMPLE DEPTH:				2.0-2.5			
	NJ-NRDCSRS	NJ-RDCSRS	NJ-IGWS				
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS (PCB) BY GC							
Aroclor 1016	1	0.2	0.2	0.0377	U	0.0377	0.00335
Aroclor 1221	1	0.2	0.2	0.0377	U	0.0377	0.00378
Aroclor 1232	1	0.2	0.2	0.0377	U	0.0377	0.00799
Aroclor 1242	1	0.2	0.2	0.0377	U	0.0377	0.00508
Aroclor 1248	1	0.2	0.2	0.0377	U	0.0377	0.00566
Aroclor 1254	1	0.2	0.2	0.0377	U	0.0377	0.00412
Aroclor 1260	1	0.2	0.2	0.0647		0.0377	0.00697
Aroclor 1262	1	0.2	0.2	0.0377	U	0.0377	0.00479
Aroclor 1268	1	0.2	0.2	0.0377	U	0.0377	0.00391
PCBs, Total	1	0.2	0.2	0.0647		0.0377	0.00335

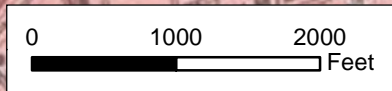
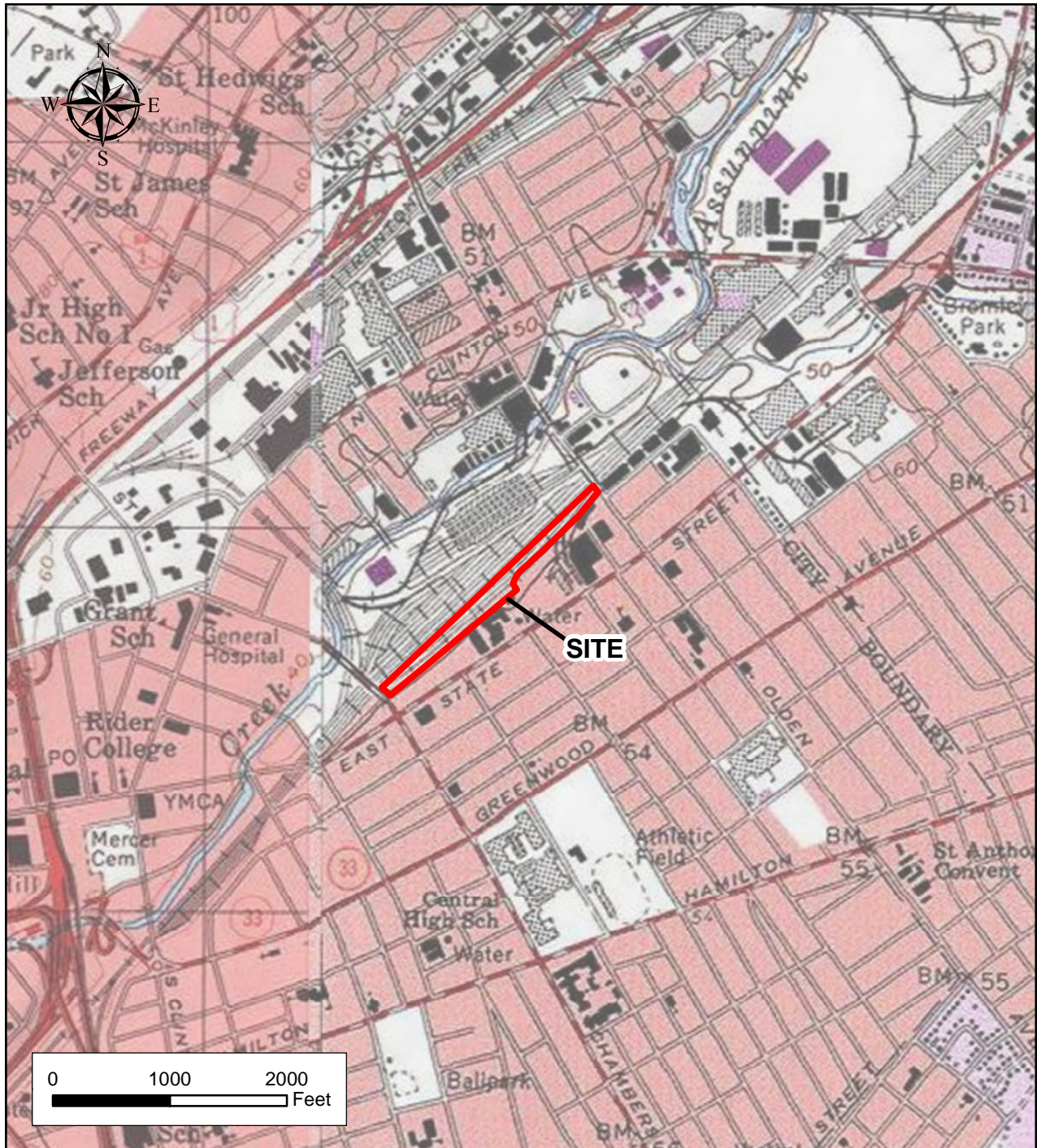
Notes:
Bold Italics - Laboratory Reporting Limit (RL) is greater than standard and/or screening level.
Bold - Exceeds lowest applicable standard/screening level
Bold parameter - detected
D = The compound was reported from the Diluted analysis.
J = Concentration detected at a value below the RL and above the Method Detection Limit (MDL).
mg/kg - milligrams per kilogram.
U = Not Detected at the RL
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended Sept 2017



wood.

Figures





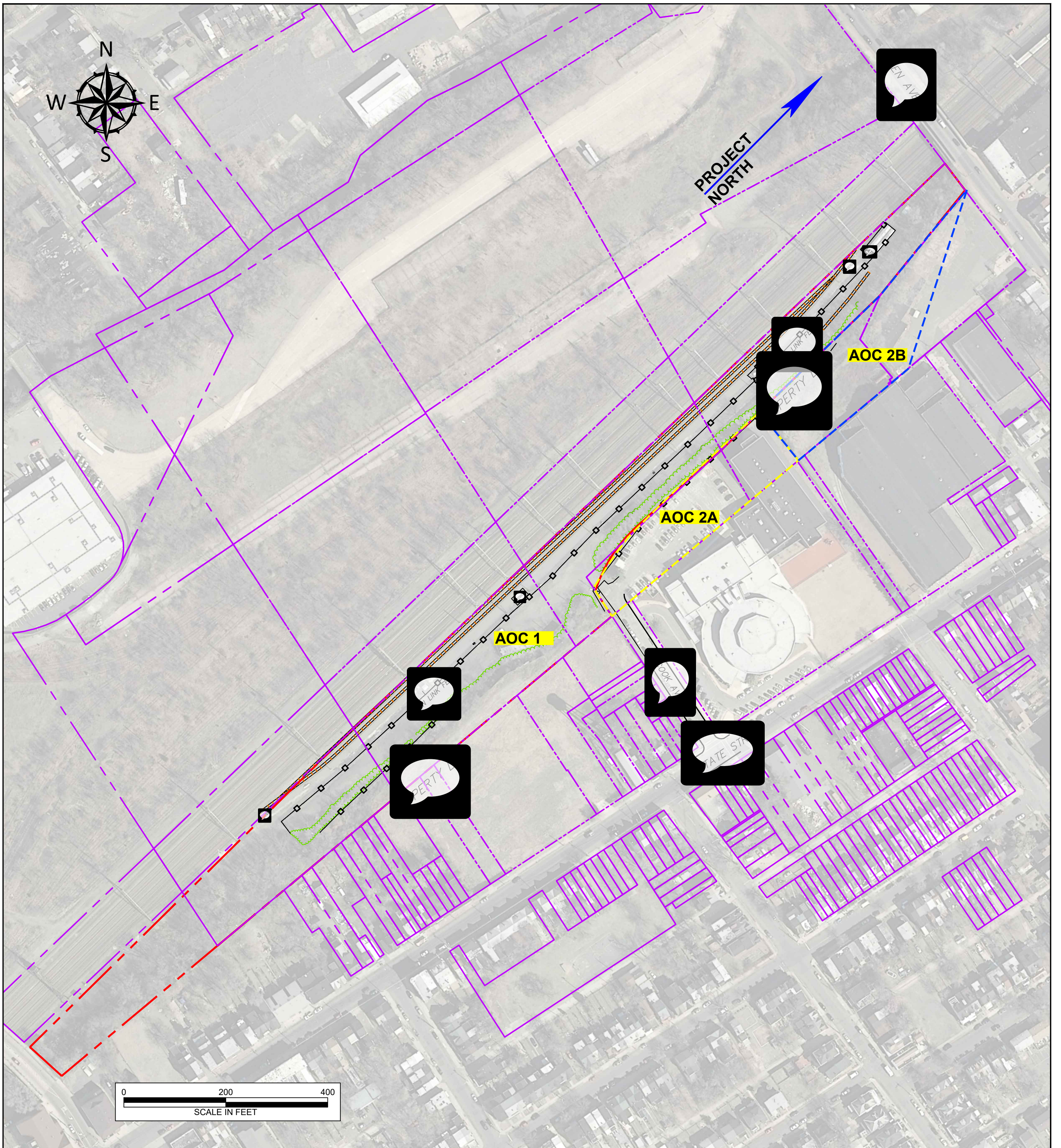
LEGEND

 site location

wood. ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.
 285 Davidson Avenue, Suite 405
 Somerset, New Jersey 08873

Figure 1
 Site Location Map
 East Barracks Rail Yard
 Trenton, NJ

Source: Copyright:© 2013 National Geographic Society, i-cubed



Legend

- - - site location
- ~~~~~ vegetation
- - - chain link fence
- - - railroad
- - - AOC 2A
- - - AOC 2B
- - - Parcel Boundary

wood.
 ENVIRONMENT & INFRASTRUCTURE
 SOLUTIONS, INC.
 285 Davidson Avenue, Suite 405
 Somerset, New Jersey 08873

Figure 2
Site Plan
Amtrak East Barracks Rail Yard
Trenton, New Jersey

ESTIMATED EXCAVATION QUANTITIES

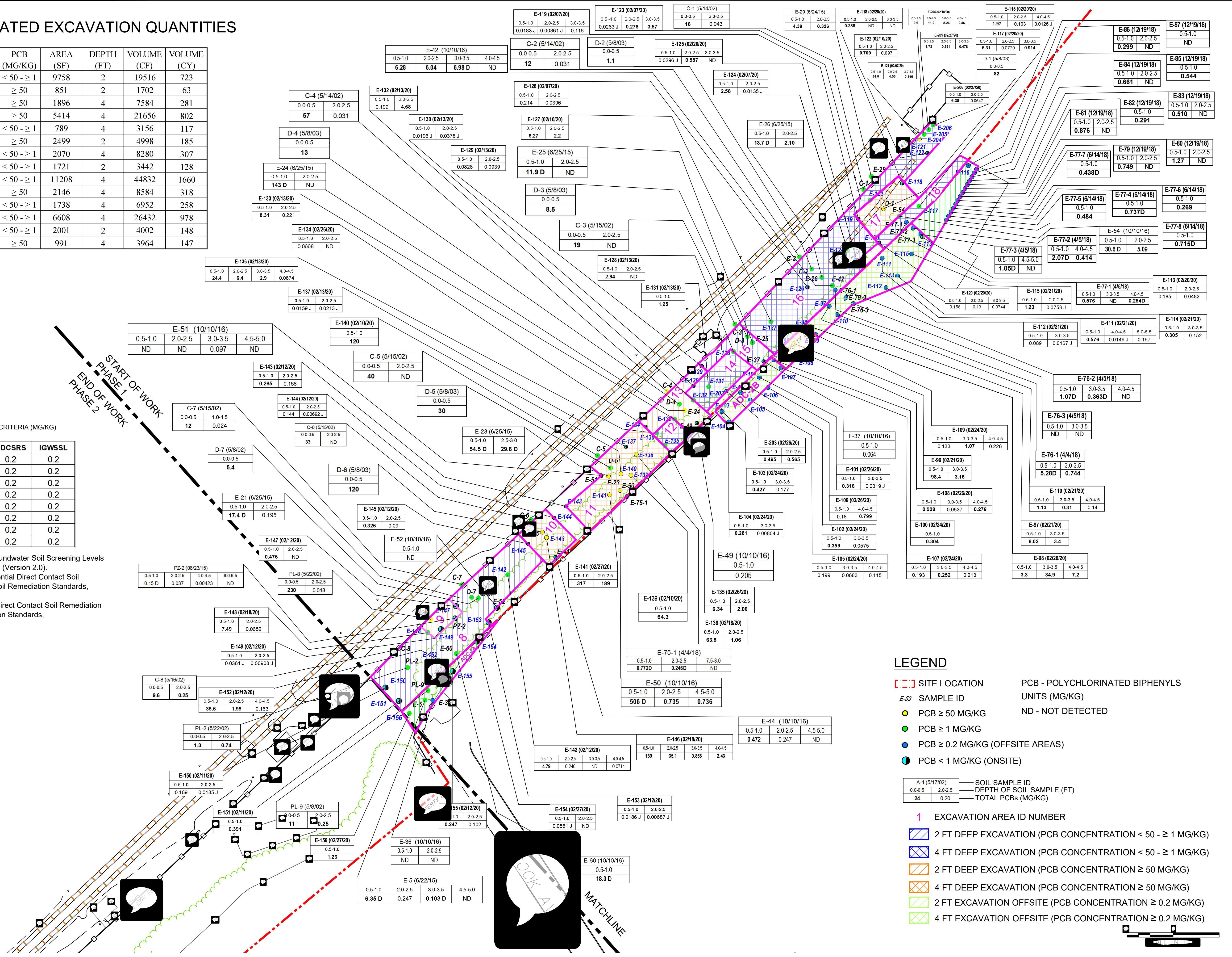
	PCB (MG/KG)	AREA (SF)	DEPTH (FT)	VOLUME (CF)	VOLUME (CY)
EX-8	< 50 - ≥ 1	9758	2	19516	723
EX-9	≥ 50	851	2	1702	63
EX-10	≥ 50	1896	4	7584	281
EX-11	≥ 50	5414	4	21656	802
EX-12	< 50 - ≥ 1	789	4	3156	117
EX-13	≥ 50	2499	2	4998	185
EX-14	< 50 - ≥ 1	2070	4	8280	307
EX-15	< 50 - ≥ 1	1721	2	3442	128
EX-16	< 50 - ≥ 1	11208	4	44832	1660
EX-17	≥ 50	2146	4	8584	318
EX-18	< 50 - ≥ 1	1738	4	6952	258
AOC-2B	< 50 - ≥ 1	6608	4	26432	978
AOC-2B	< 50 - ≥ 1	2001	2	4002	148
AOC-2B	≥ 50	991	4	3964	147

PCB SCREENING CRITERIA (MG/KG)

	NRDCRS	RDCRS	IGWSSL
Aroclor-1016	1	0.2	0.2
Aroclor-1221	1	0.2	0.2
Aroclor-1232	1	0.2	0.2
Aroclor-1242	1	0.2	0.2
Aroclor-1248	1	0.2	0.2
Aroclor-1254	1	0.2	0.2
Aroclor-1260	1	0.2	0.2
Total PCBs	1	0.2	0.2

IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
 NRDCRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended May 7, 2012.
 RDCRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended May 7, 2012.

START OF WORK
 PHASE 1
 END OF WORK
 PHASE 2



LEGEND

- [] SITE LOCATION
- E-59 SAMPLE ID
- PCB ≥ 50 MG/KG
- PCB ≥ 1 MG/KG
- PCB ≥ 0.2 MG/KG (OFFSITE AREAS)
- PCB < 1 MG/KG (ONSITE)
- 1 EXCAVATION AREA ID NUMBER
- 2 FT DEEP EXCAVATION (PCB CONCENTRATION < 50 - ≥ 1 MG/KG)
- 4 FT DEEP EXCAVATION (PCB CONCENTRATION < 50 - ≥ 1 MG/KG)
- 2 FT DEEP EXCAVATION (PCB CONCENTRATION ≥ 50 MG/KG)
- 4 FT DEEP EXCAVATION (PCB CONCENTRATION ≥ 50 MG/KG)
- 2 FT EXCAVATION OFFSITE (PCB CONCENTRATION ≥ 0.2 MG/KG)
- 4 FT EXCAVATION OFFSITE (PCB CONCENTRATION ≥ 0.2 MG/KG)



ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
 285 DAVIDSON AVENUE, SUITE 405
 SOMERSET, NEW JERSEY 08873
 TELEPHONE: (732) 302-9500

ISSUED FOR CLIENT REVIEW	ISSUE/REVISION DESCRIPTION	CHKD BY	DATE

PROJECT: EAST BARRACKS RAIL YARD
 TRENTON, NJ
 TITLE: SOIL ANALYTICAL RESULTS: PCBs PHASE 1 (SHEET 1 OF 2)

CLIENT: NATIONAL RAILROAD PASSENGER CORPORATION (AMTRAK)
 NEW YORK, NY

RICHARD W. CHAPIN
 NJ PROFESSIONAL ENGINEER
 LICENSE NUMBER GE27860

DESIGNED BY: RWC	DRAWN BY: PJK
CHECKED BY: MBL	DATE: 08/18/20
SCALE: 1"=50'	REVISION: 1
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
PROJECT NUMBER: 277710560	
DRAWING NUMBER:	
SHEET NUMBER:	FIGURE 3

ESTIMATED EXCAVATION QUANTITIES

	PCB (MG/KG)	AREA (SF)	DEPTH (FT)	VOLUME (CF)	VOLUME (CY)
EX-1	≥ 50	2379	4	9516	353
EX-2	< 50 - ≥ 1	4057	4	16228	601
EX-3	< 50 - ≥ 1	20335	2	40670	1506
EX-4	≥ 50	1773	4	7092	263
EX-5	< 50 - ≥ 1	2095	4	8380	311
EX-6	< 50 - ≥ 1	18315	2	36630	1357
EX-7	< 50 - ≥ 1	9224	4	36896	1367

NOTE: ONSITE EXCAVATION AREAS 8 THRU 14 AND OFFSITE EXCAVATION AREA AOC-2A IS COVERED UNDER WORK PHASE 1.

PCB SCREENING CRITERIA (MG/KG)

	NRDCRS	RDCRS	IGWSSL
Aroclor-1016	1	0.2	0.2
Aroclor-1221	1	0.2	0.2
Aroclor-1232	1	0.2	0.2
Aroclor-1242	1	0.2	0.2
Aroclor-1248	1	0.2	0.2
Aroclor-1254	1	0.2	0.2
Aroclor-1260	1	0.2	0.2
Total PCBs	1	0.2	0.2

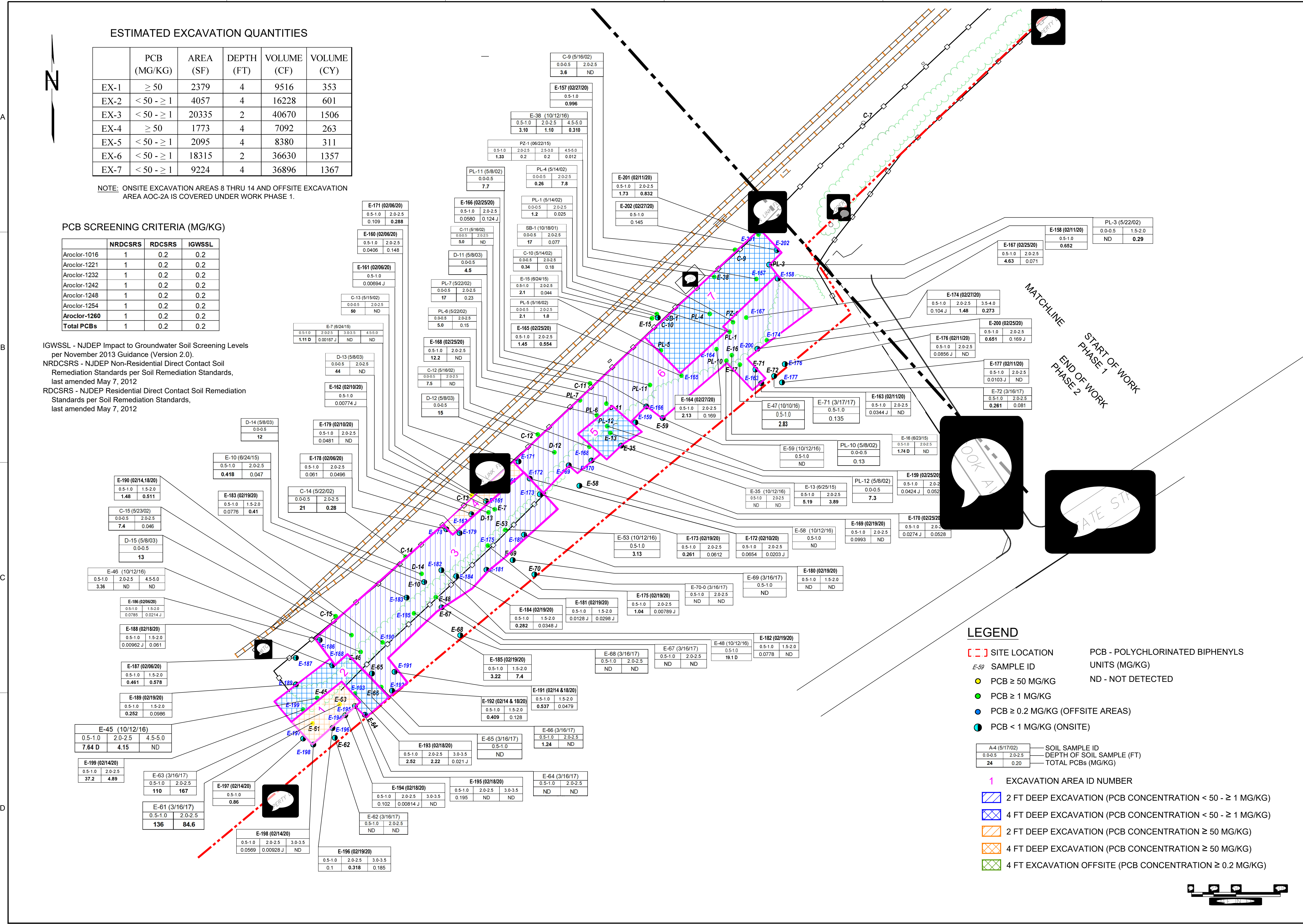
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
 NRDCRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended May 7, 2012
 RDCRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended May 7, 2012

REV	DATE	ISSUED FOR CLIENT REVIEW	ISSUE/REVISION DESCRIPTION
1	11/5/2019		

PROJECT: EAST BARRACKS RAIL YARD
 TRENTON, NJ
 TITLE: SOIL ANALYTICAL RESULTS:
 PCBs PHASE 2
 (SHEET 2 OF 2)

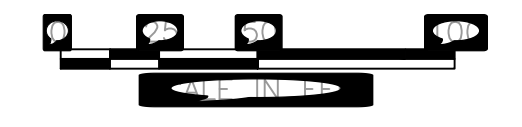
CLIENT: NATIONAL RAILROAD
 PASSENGER CORPORATION
 (AMTRAK)
 NEW YORK, NY

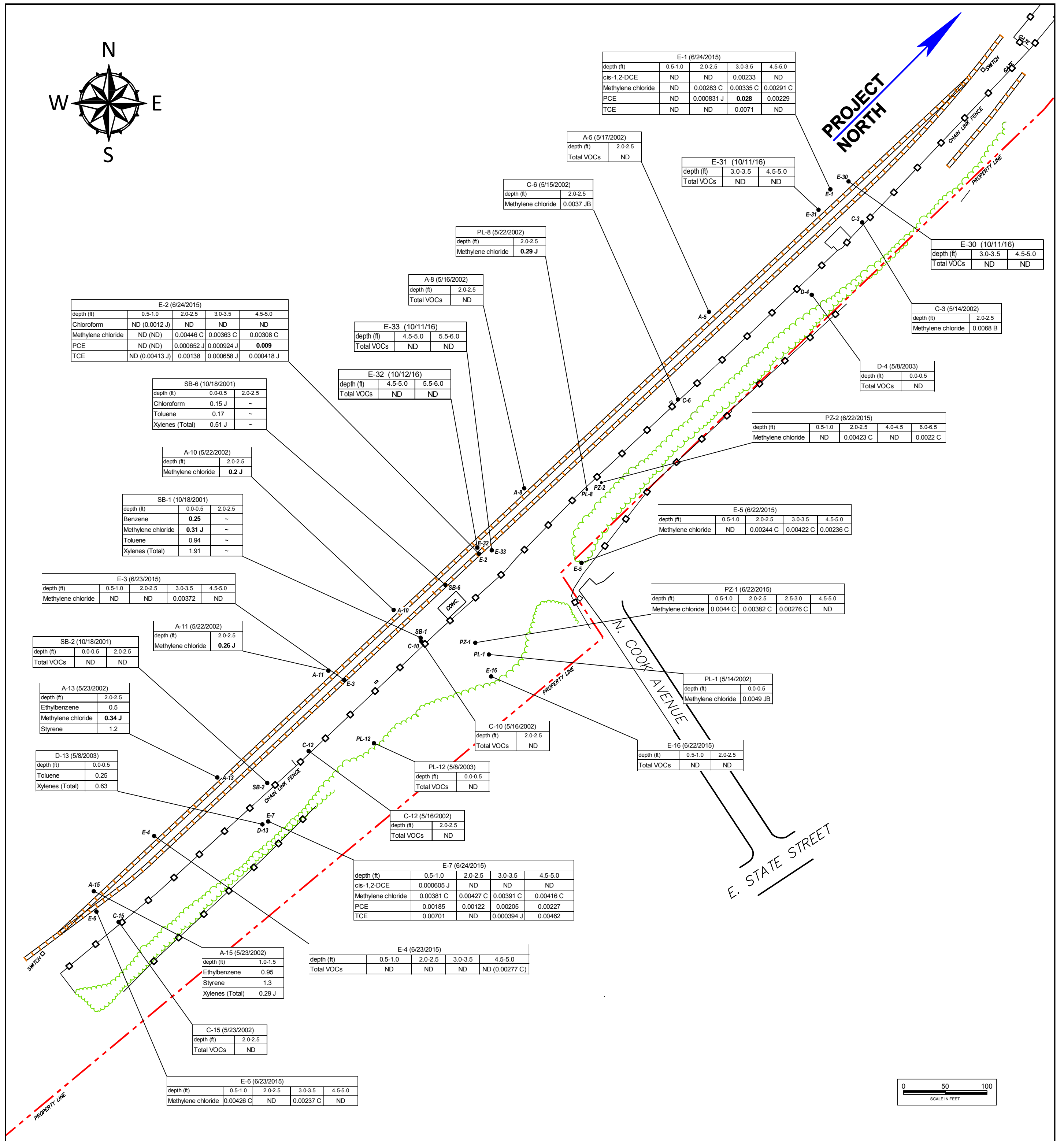
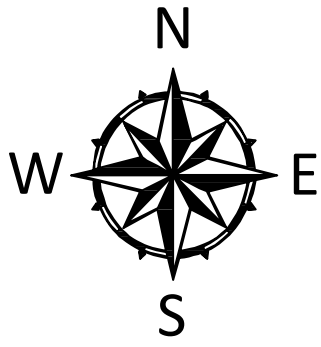
DESIGNED BY: RWC DRAWN BY: FJK/MS
 CHECKED BY: MBL DATE: 07/24/20
 SCALE: 1"=50' REVISION: 1
 VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING
 PROJECT NUMBER: 277710568
 DRAWING NUMBER:
 SHEET NUMBER: FIGURE 4



LEGEND

- [] SITE LOCATION
- E-59 SAMPLE ID
- PCB ≥ 50 MG/KG
- PCB ≥ 1 MG/KG
- PCB ≥ 0.2 MG/KG (OFFSITE AREAS)
- PCB < 1 MG/KG (ONSITE)
- A-4 (5/17/02) SOIL SAMPLE ID
- 0.0-0.5 2.0-2.5 4.5-5.0 DEPTH OF SOIL SAMPLE (FT)
- 24 0.20 TOTAL PCBs (MG/KG)
- 1 EXCAVATION AREA ID NUMBER
- [] 2 FT DEEP EXCAVATION (PCB CONCENTRATION < 50 - ≥ 1 MG/KG)
- [] 4 FT DEEP EXCAVATION (PCB CONCENTRATION < 50 - ≥ 1 MG/KG)
- [] 2 FT DEEP EXCAVATION (PCB CONCENTRATION ≥ 50 MG/KG)
- [] 4 FT DEEP EXCAVATION (PCB CONCENTRATION ≥ 50 MG/KG)
- [] 4 FT EXCAVATION OFFSITE (PCB CONCENTRATION ≥ 0.2 MG/KG)





Legend

- sample location
- | | |
|------------------|---------|
| C-15 (5/23/2002) | |
| depth (ft) | 2.0-2.5 |
| Total VOCs | ND |

 - soil sample ID
 - depth of soil sample (ft)
 - analyte concentration (mg/kg)
- analyte

Screening Criteria (mg/kg)

	RDCSRS	NRDCSRS	IGWSSL
1,2-Dichloroethene (cis)	230	560	0.3
1,4-Dioxane	NS	NS	NS
Benzene	2	5	0.005
Chloroform	0.6	2	0.4
Ethylbenzene	7800	110000	13
Methylene chloride	34	97	0.01
Styrene	90	260	3
Tetrachloroethene (PCE)	2	5	0.005
Toluene	6300	91000	7
Trichloroethene (TCE)	7	20	0.01

RDCSRS - residential direct contact soil remediation standard
 NRDCSRS - non-residential direct contact soil remediation standard
 IGWSSL - impact to ground water soil screening levels

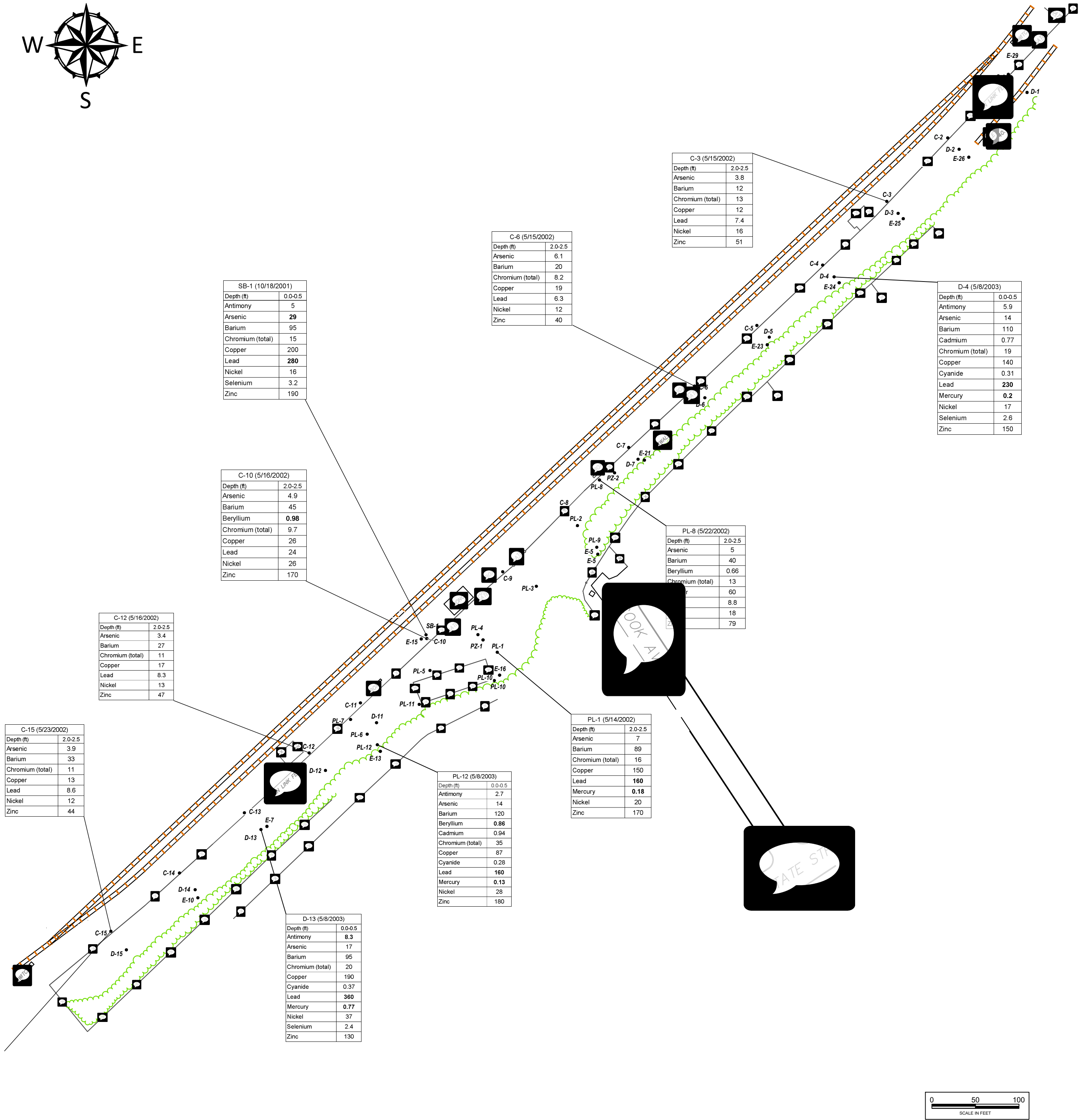
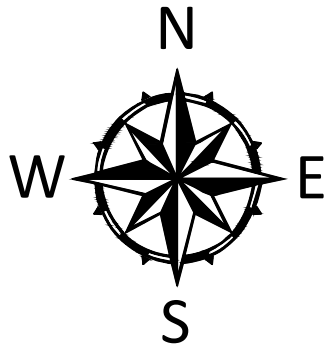
Figure 5

**Soil Analytical Results - VOCs
 Amtrak East Barracks Rail Yard
 Trenton, New Jersey**

Reviewed By: ML

Contract No. 277710568.0001

APRIL 2017



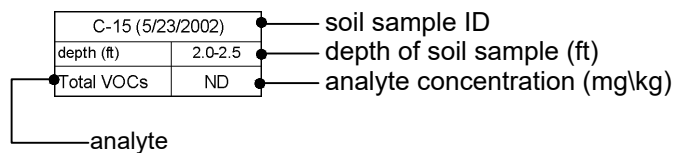
Legend

● Soil Sample Location



NJDEP Criteria (mg/kg)

Parameter	RDCSRS	NRDCSRS	IGWSSL
Antimony	31	450	6
Arsenic	19	19	19
Barium	16000	59000	2100
Beryllium	16	140	0.7
Cadmium	78	78	2
Chromium (total)	NC	NC	NC
Copper	3100	45000	11000
Cyanide	47	680	20
Lead	400	800	90
Mercury	23	65	0.1
Nickel	1600	23000	48
Selenium	390	5700	11
Zinc	23000	110000	930



Samples Results in milligram per kilogram (mg/kg)
Bold results indicate exceedance of lowest applicable standard
 J= Estimated value
 NC= No criteria
 ND= Non-detect

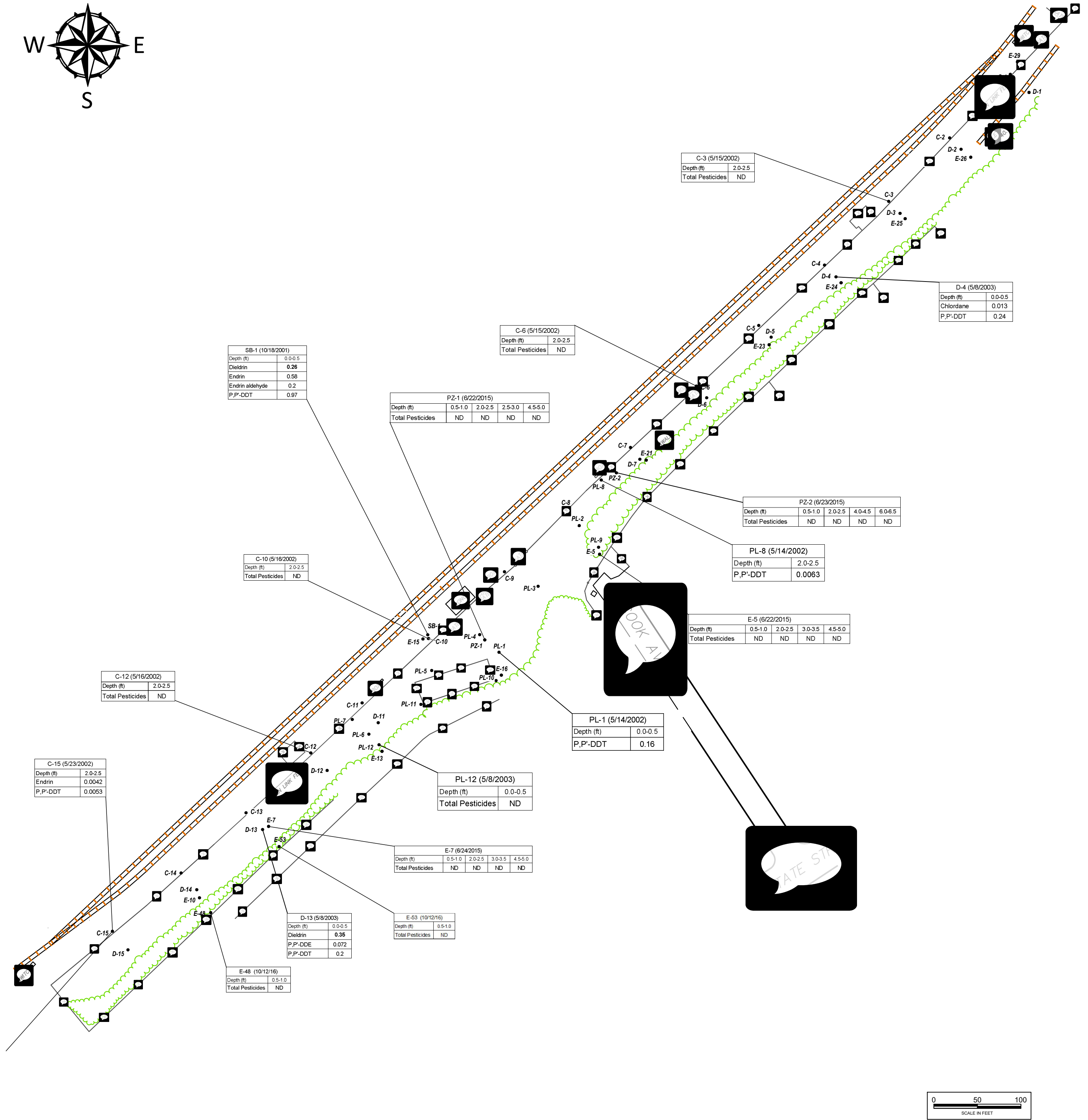
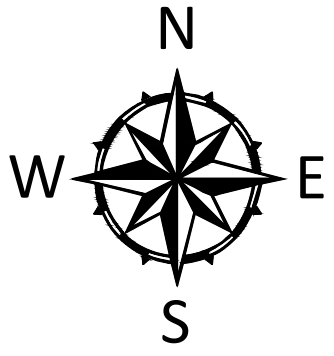
IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013
 NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended 2017
 RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended 2017

Figure 6
Soil Analytical Results - Metals
Amtrak East Barracks Rail Yard
Trenton, New Jersey

Reviewed By: ML

Contract No. 277710568.0008

August 2020



Legend

● Soil Sample Location

NJDEP Criteria (mg/kg)

	RDCSRS	NRDCSRS	IGWSSL
Chlordane	0.2	1	0.05
Dieldrin	0.04	0.2	0.003
Endrin	23	340	1
Endrin aldehyde	NS	NS	NS
Endrin ketone	NS	NS	NS
Heptachlor epoxide	0.07	0.3	0.01
Methoxychlor	390	5700	160
P,P'-DDE	2	9	18
P,P'-DDT	2	8	11

Samples Results in milligram per kilogram (mg/kg)
 Bold results indicate exceedance of lowest applicable standard
 J= Estimated value
 NC= No criteria
 ND= Non-detect

IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013
 NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended 2017
 RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended 2017

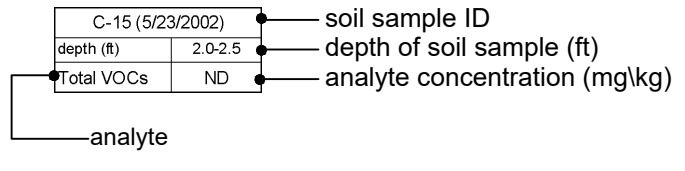


Figure 7
Soil Analytical Results - Pesticides
Amtrak East Barracks Rail Yard
Trenton, New Jersey



ENVIRONMENT &
INFRASTRUCTURE SOLUTIONS
285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 983-9500

NJ Certificate of Authorization
Number 24GA28010900

NO.	REV.	DATE	DESCRIPTION	ISSUED FOR	BY	CHKD.
0		01/14/2020				

PROJECT: EAST BARRACKS RAIL YARD
TRENTON, NJ

TITLE: SOIL ANALYTICAL RESULTS:
PAH

CLIENT: NATIONAL RAILROAD
PASSENGER CORPORATION
(AMTRAK)
NEW YORK, NY

SEAL: RICHARD W. CHAPIN
NJ PROFESSIONAL ENGINEER
LICENSE NUMBER GE27860

DESIGNED BY: RWC	DRAWN BY: PJK
CHECKED BY: MBL	DATE: 01/14/20
SCALE: 1"=50'	REVISION: 0
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
PROJECT NUMBER: 277710568	
DRAWING NUMBER:	
SHEET NUMBER: FIGURE 8	

Screening Criteria (mg/kg)

	RDCSRS	NRDCSRS	IGWSSL
Benzo(a)anthracene	5	17	0.8
Benzo(a)Pyrene	0.5	2	0.2
Benzo(b)fluoranthene	5	17	2

RDCSRS - residential direct contact soil remediation standard
NRDCSRS - non-residential direct contact soil remediation standard
IGWSSL - impact to ground water soil screening levels

SB-6 (10/18/2001)

Depth (ft)	0-0.5
Benzo(a)anthracene	1.3
Benzo(a)pyrene	1.1
Benzo(b)fluoranthene	2.9

D-4 (05/08/2003)

Depth (ft)	0-0.5
Benzo(b)fluoranthene	2.4

D-13 (05/08/2003)

Depth (ft)	0-0.5
Benzo(a)anthracene	1.2
Benzo(a)pyrene	1.6
Benzo(b)fluoranthene	6.9

PL-1 (05/14/2002)

Depth (ft)	0-0.5
Benzo(a)pyrene	0.66 J

PL-12 (05/08/2003)

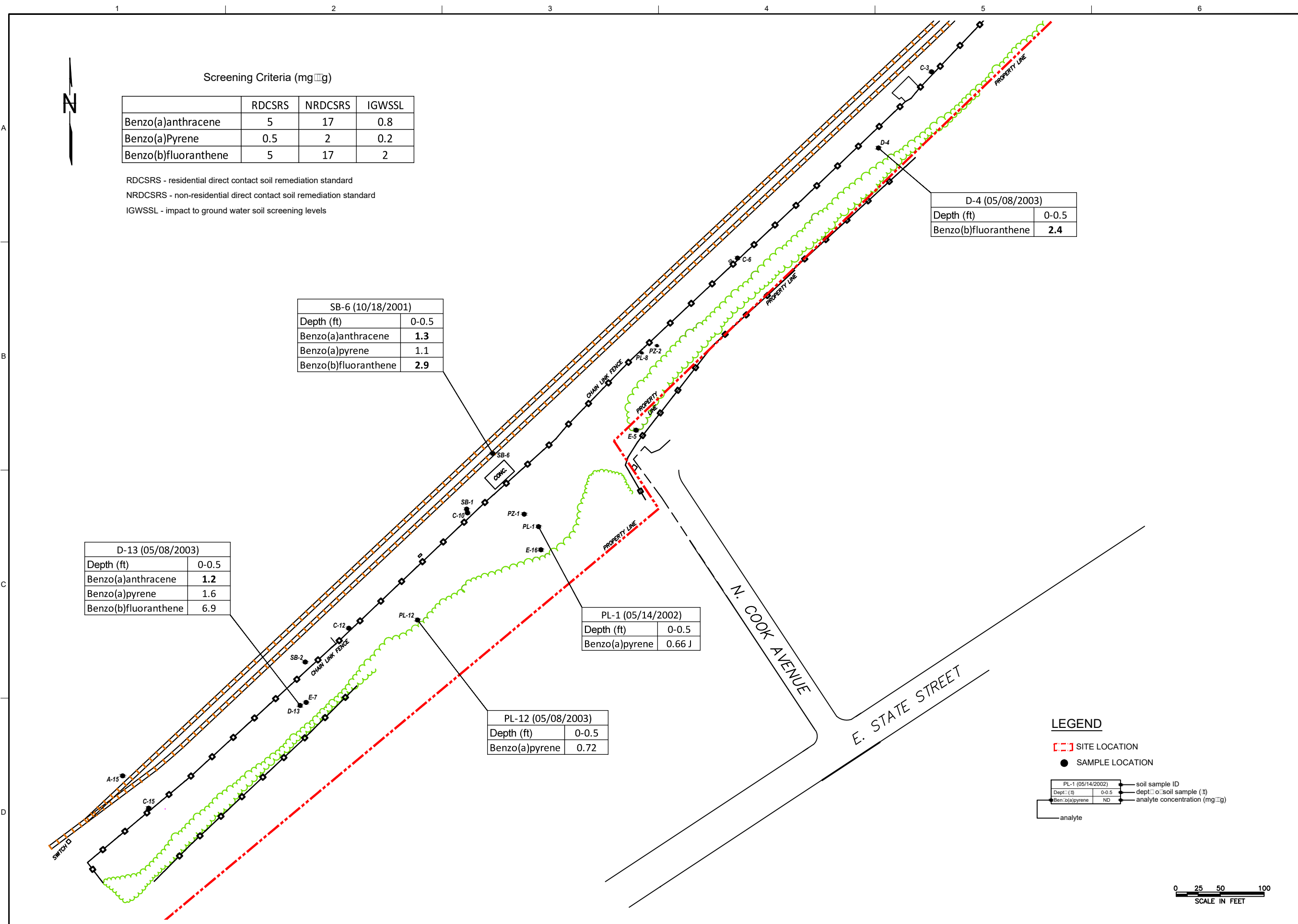
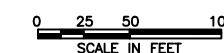
Depth (ft)	0-0.5
Benzo(a)pyrene	0.72

LEGEND

[Red dashed box] SITE LOCATION

● SAMPLE LOCATION

PL-1 (05/14/2002)	soil sample ID
Depth: (f) 0-0.5	depth: o: soil sample (f)
Ben: b(a)pyrene ND	analyte concentration (mg/kg)
— analyte	





ESTIMATED E_xCAVATION QUANTITIES

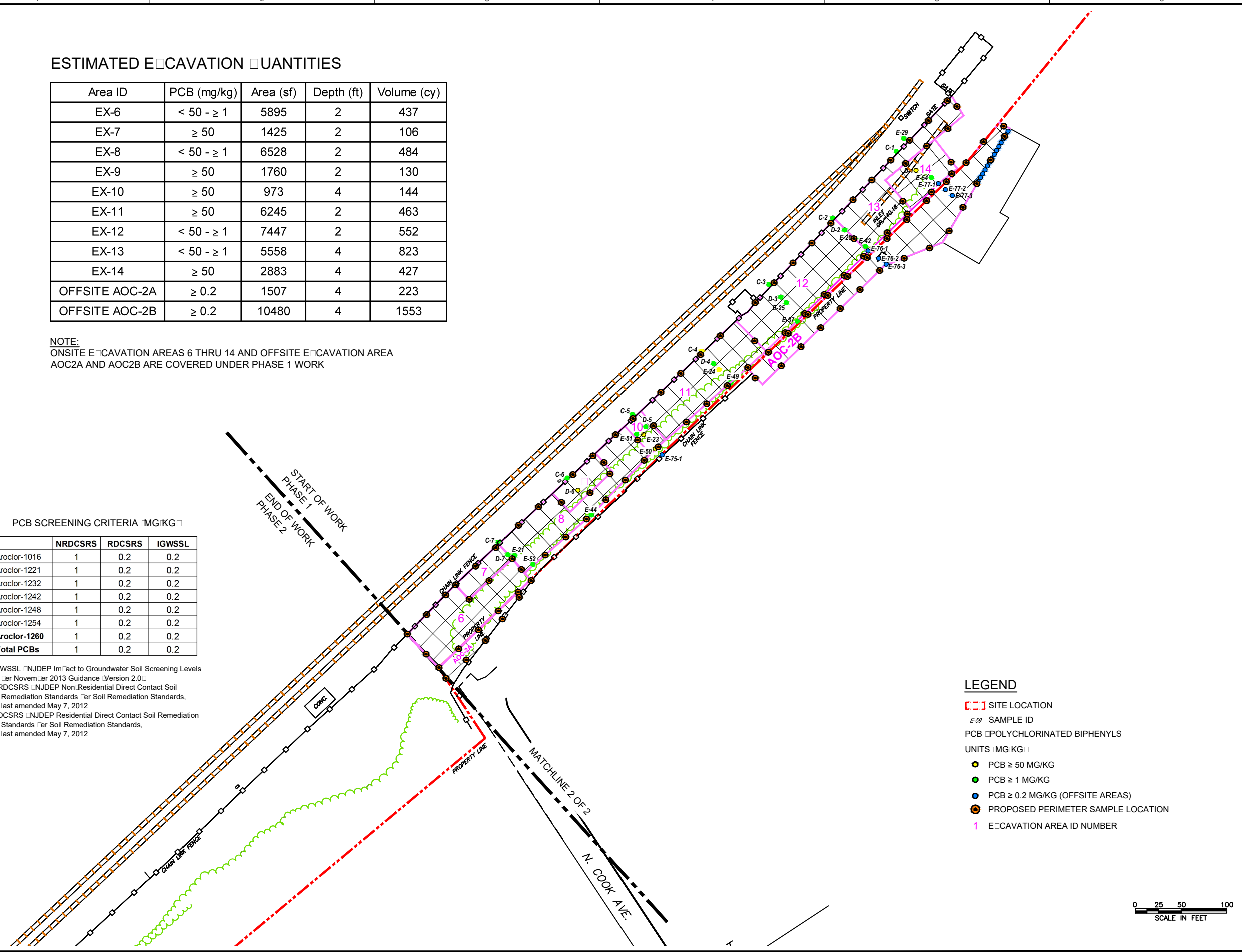
Area ID	PCB (mg/kg)	Area (sf)	Depth (ft)	Volume (cy)
EX-6	< 50 - ≥ 1	5895	2	437
EX-7	≥ 50	1425	2	106
EX-8	< 50 - ≥ 1	6528	2	484
EX-9	≥ 50	1760	2	130
EX-10	≥ 50	973	4	144
EX-11	≥ 50	6245	2	463
EX-12	< 50 - ≥ 1	7447	2	552
EX-13	< 50 - ≥ 1	5558	4	823
EX-14	≥ 50	2883	4	427
OFFSITE AOC-2A	≥ 0.2	1507	4	223
OFFSITE AOC-2B	≥ 0.2	10480	4	1553

NOTE:
 ONSITE E_xCAVATION AREAS 6 THRU 14 AND OFFSITE E_xCAVATION AREA AOC2A AND AOC2B ARE COVERED UNDER PHASE 1 WORK

PCB SCREENING CRITERIA (MG/KG)

	NRDCSRS	RDCSRS	IGWSSL
Aroclor-1016	1	0.2	0.2
Aroclor-1221	1	0.2	0.2
Aroclor-1232	1	0.2	0.2
Aroclor-1242	1	0.2	0.2
Aroclor-1248	1	0.2	0.2
Aroclor-1254	1	0.2	0.2
Aroclor-1260	1	0.2	0.2
Total PCBs	1	0.2	0.2

IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance, Version 2.0
 NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended May 7, 2012
 RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended May 7, 2012



LEGEND

- [Red dashed box] SITE LOCATION
- E-69 SAMPLE ID
- PCB POLYCHLORINATED BIPHENYLS
- UNITS (MG/KG)
- PCB ≥ 50 MG/KG
- PCB ≥ 1 MG/KG
- PCB ≥ 0.2 MG/KG (OFFSITE AREAS)
- PROPOSED PERIMETER SAMPLE LOCATION
- 1 E_xCAVATION AREA ID NUMBER

wood
 ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
 285 DAVIDSON AVENUE, SUITE 405
 SOMERSET, NEW JERSEY 08873
 TELEPHONE: (732) 322-9500

NJ Certificate of Authorization
 Number 24GA28010900

REV	DATE	ISSUED FOR	DESCRIPTION
0	11/02/20	ISSUED FOR EXEMPT REVIEW	ISSUE REVISION DESCRIPTION

PROJECT: EAST BARRACKS RAIL YARD
 TRENTON, NJ
 TITLE: PROPOSED SAMPLE GRID
 AND PERIMETER LOCATIONS
 PHASE 1 (SHEET 1 OF 2)

CLIENT:
**NATIONAL RAILROAD
 PASSENGER CORPORATION
 (AMTRAK)
 NEW YORK, NY**

SEAL: RICHARD W. CHAPIN
 NJ PROFESSIONAL ENGINEER
 LICENSE NUMBER GE271960

DESIGNED BY: RWC	DRAWN BY: PJK
CHECKED BY: MBL	DATE: 01/16/20
SCALE: 1" = 50'	REVISION: 0
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING	
PROJECT NUMBER: 277710568	
DRAWING NUMBER:	
SHEET NUMBER: FIGURE 9	

THIS DOCUMENT CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY BE REPRODUCED OR DISCLOSED, AND THE DOCUMENT MAY ONLY BE USED BY THE CLIENT IN THE COURSE AND FOR THE PURPOSES OF THE PROJECT FOR WHICH IT WAS PREPARED. ANY OTHER USE OR DISCLOSURE OF THIS DOCUMENT IS STRICTLY PROHIBITED.

ESTIMATED EXCAVATION QUANTITIES

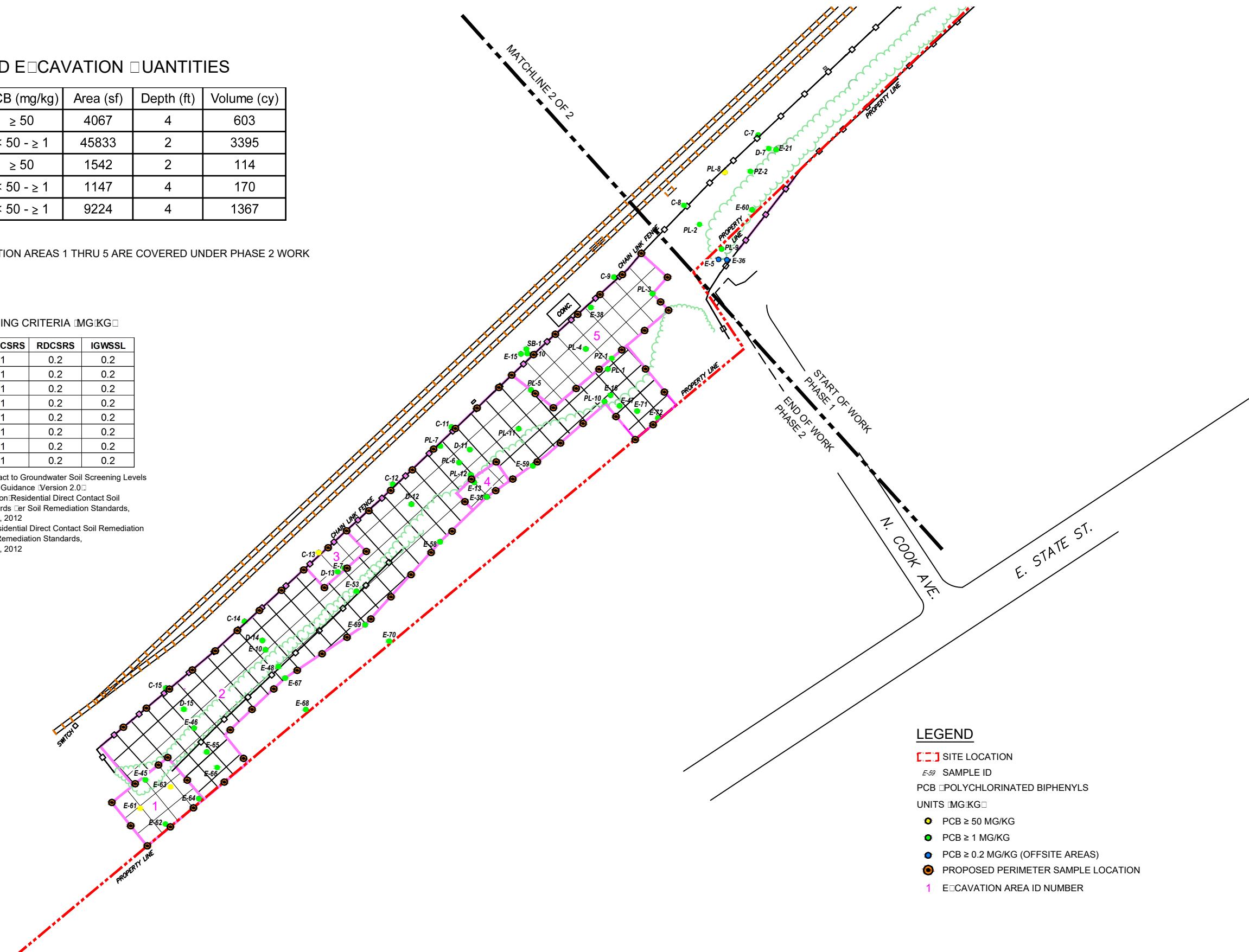
Area ID	PCB (mg/kg)	Area (sf)	Depth (ft)	Volume (cy)
EX-1	≥ 50	4067	4	603
EX-2	< 50 - ≥ 1	45833	2	3395
EX-3	≥ 50	1542	2	114
EX-4	< 50 - ≥ 1	1147	4	170
EX-5	< 50 - ≥ 1	9224	4	1367

NOTE:
ONSITE EXCAVATION AREAS 1 THRU 5 ARE COVERED UNDER PHASE 2 WORK

PCB SCREENING CRITERIA (MG/KG)

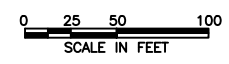
	NRDCSRS	RDCSRS	IGWSSL
Aroclor-1016	1	0.2	0.2
Aroclor-1221	1	0.2	0.2
Aroclor-1232	1	0.2	0.2
Aroclor-1242	1	0.2	0.2
Aroclor-1248	1	0.2	0.2
Aroclor-1254	1	0.2	0.2
Aroclor-1260	1	0.2	0.2
Total PCBs	1	0.2	0.2

IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels
 per November 2013 Guidance Version 2.0
 NRDCSRS - NJDEP Non-Residential Direct Contact Soil
 Remediation Standards per Soil Remediation Standards,
 last amended May 7, 2012
 RDCSRS - NJDEP Residential Direct Contact Soil Remediation
 Standards per Soil Remediation Standards,
 last amended May 7, 2012



LEGEND

- [Red dashed line] SITE LOCATION
- E-59 SAMPLE ID
- PCB POLYCHLORINATED BIPHENYLS
- UNITS (MG/KG)
- [Yellow circle] PCB ≥ 50 MG/KG
- [Green circle] PCB ≥ 1 MG/KG
- [Blue circle] PCB ≥ 0.2 MG/KG (OFFSITE AREAS)
- [Orange circle] PROPOSED PERIMETER SAMPLE LOCATION
- 1 EXCAVATION AREA ID NUMBER



ENVIRONMENT &
INFRASTRUCTURE SOLUTIONS
285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 303-9500

NJ Certificate of Authorization
Number 24GA28010900

REV	DATE	DESCRIPTION
0	1/19/2020	ISSUED FOR CLIENT REVIEW

PROJECT: EAST BARRACKS RAIL YARD TRENTON, NJ	TITLE: PROPOSED SAMPLE GRID AND PERIMETER LOCATIONS PHASE 2 (SHEET 2 OF 2)
CLIENT: NATIONAL RAILROAD PASSENGER CORPORATION (AMTRAK) NEW YORK, NY	SEAL: RICHARD W. CHAPIN NJ PROFESSIONAL ENGINEER LICENSE NUMBER GE27960

DESIGNED BY: RWC	DRAWN BY: PJK
CHECKED BY: MBL	DATE: 01/16/20
SCALE: 1" = 50'	REVISION: 0

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 0 1'

PROJECT NUMBER: 277710568
 DRAWING NUMBER:
 SHEET NUMBER: FIGURE 10

**Appendix A:
Self-Implementing Cleanup Plan
Approval Letter**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

MAR 13 2020

Richard Mohlenhoff
Manager, Environmental Programs
National Railroad Passenger Corporation
400 West 31st Street, 4th Floor
New York, NY 10001

Re: East Barracks Rail Yard
East State Street & South Olden Avenue
Trenton, Mercer County, New Jersey 08611
Approval for Cleanup and Disposal of PCB Remediation Waste under 40 CFR
§761.61(a) and for Characterization and Verification Sampling under 40 CFR §761.61(c).

Dear Mr. Mohlenhoff:

This is in response to the January 27, 2020 document entitled "Self-Implementing Cleanup Plan (SICP) East Barracks Rail Yard," prepared by Wood Environment & Infrastructure Solutions, Inc. (WEIS), on behalf of the National Railroad Passenger Corporation (Amtrak), for the above-referenced site. This document will be referred to as the "Application." The polychlorinated biphenyl (PCB) contamination onsite is considered to be PCB remediation waste that is subject to the applicable cleanup levels under the federal regulations at 40 CFR §761.61(a)(4).

PCB concentrations exceeding 1 part per million (ppm) were discovered in both onsite and offsite soils in sixteen delineated areas covering approximately 112,514 square feet at depths down to four feet below ground surface. The highest observed concentration was 506 ppm. The proposed remedial action is to remediate all onsite soils with PCB concentrations in excess of 1 ppm, and all offsite soils with PCB concentrations in excess of 0.2 ppm, involving the excavation and offsite disposal of approximately 10,990 yards of PCB-contaminated soils.

With the exception of the characterization sampling requirements under Subpart N of 40 CFR §761 and the verification sampling requirements under Subpart O of 40 CFR §761, the proposed removal of PCB remediation waste meets the self-implementing cleanup and disposal requirements under 40 CFR §761.61(a). In addition, based on the proposed verification sampling, in accordance with 40 CFR §761.61(c), the United States Environmental Protection Agency (EPA) finds that this sampling, in the proposed remediation context, is acceptable for purposes of determining compliance with the High Occupancy Area PCB cleanup standard of 1 ppm.

EPA hereby approves Amtrak's Application, and it may proceed with the cleanup and disposal under 40 CFR §761.61(a) and (c) and the Application, subject to this Approval. This Approval also constitutes an order under the authority of Section 6 of the Toxic Substances Control Act (TSCA), 15 U.S.C. §2605. This approval only specifies the applicable requirements under TSCA and does not cite to or make any determinations regarding the requirements that may be applicable under other federal, state, or local law. TSCA disposal requirements do not supersede other, more stringent, applicable federal, state or local laws.

Please note that this Approval does not constitute a determination by EPA that the transporters or the disposal facilities selected by Amtrak are authorized to conduct the activities set forth in the Application. Amtrak is responsible for ensuring that its selected transporters and disposal facilities are authorized to conduct any such activities in accordance with all applicable federal, state and local statutes and regulations.

Should you have any questions concerning this matter, please feel free to contact me at (212) 637-3315 or have your staff contact Steve Ferreira at (212) 637-3759 or at ferreira.steve@epa.gov.

Sincerely,



Ariel Iglesias, Director
Land, Chemicals and Redevelopment Division

cc: Kevin Schick, Chief, BEERA, NJDEP
Marlene Lindhardt, Wood Environment & Infrastructure Solutions, Inc.



wood.

**Appendix B:
Quality Assurance Project Plan**



Quality Assurance Project Plan – East Barracks Rail Yard, Rev. 02

**East Barracks Rail Yard
East State Street & South Olden Avenue
Trenton, Mercer County, NJ 08611
NJDEP Case No. 00-03-20-1219-43
Program Interest No. G000043212**

Prepared for:

National Railroad Corporation (Amtrak)
New York, New York

7/1/2020

Quality Assurance Project Plan – East Barracks Rail Yard, Rev. 02

East Barracks Rail Yard

Trenton, NJ

PI # G000043212

Prepared for:

National Railroad Corporation (Amtrak)

New York, New York

Prepared by:

Wood Environment & Infrastructure Solutions, Inc.

285 Davidson Avenue, Suite 405

Somerset, New Jersey 08873

T: 732-302-9500

7/1/2020

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QUALITY ASSURANCE PROJECT PLAN

East Barracks Rail Yard

APPROVALS

Revision 2

Project Title: East Barracks Rail Yard

Organization Name: National Railroad Corporation (Amtrak)

Person Responsible for Conducting the Remediation: National Railroad Corporation (Amtrak)

Date of Project Initiation: February 3, 2105

Effective Date of Plan: July 1, 2020

Responsible Program: NJDEP SRP



July 1, 2020

Marlene B. Lindhardt, CHMM

Licensed Site Remediation Professional

Date



July 1, 2020

Marie Bevier

Quality Control Manager

Date

Distribution List:

- Steve Posten
- Nick Della Fave, Wood Somerset Field Team Leader
- Alpha Laboratory Manger
- Field Staff TBD

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Acronyms

AA	Alpha Analytical, Inc.	QA	Quality Assurance
AOC	Area of Concern	QAM	Quality Assurance Manual
bgs	below ground surface	QAPP	Quality Assurance Project Plan
COC	Chain of Custody	QC	Quality Control
DKQ	Data of Known Quality	RA	Remedial Action
DQI	Data Quality Indicator	RAR	Remedial Action Report
DQO	Data Quality Objective	RAWP	Remedial Action Work Plan
EDD	Electronic Data Deliverable	RDCSRS	Residential Direct Contact Soil Remediation Standard
EDI	Electronic Data Interchange	RI	Remedial Investigation
FSPM	Field Sampling Procedures Manual	NDCSRS	Non-Residential Direct Contact Soil Remediation Standard
HASP	Health and Safety Plan	RL	Reporting Limit
LCS	Laboratory Control Sample	RPD	Relative Percent Difference
LIMS	Laboratory Information Management System	RSD	Relative Standard Deviation
LSRP	Licensed Site Remediation Professional	SI	site investigation
MDL	Method Detection Limit	Site	East Barracks Rail Yard
mg/kg	milligrams per kilogram	SCS	USDA Soil Conservation Service
MS	Matrix Spike	SF	square feet
MSD	Matrix Spike Duplicate	SOP	Standard Operating Procedure
NJDEP	New Jersey Department of Environmental Protection	SRS	NJDEP Site Remediation Standard
NRDCSRS	NJDEP Non-residential Direct Contact Soil Remediation Standard	SSHO	Site Safety and Health Officer
PAMP	Perimeter Air Monitoring Plan	SVOC	Semi-volatile organic compound
PARCCS	Precision, Accuracy, Representativeness, Comparability, Completeness and Sensitivity	TRSR	N.J.A.C 7.26E Technical Requirements for Site Remediation
PCB	Polychlorinated Biphenyl	TWA	Time weighted average
PI	Program Interest	USDA	United States Department of Agriculture
PPE	Personal protective equipment	USEPA	United States Environmental Protection Agency
PID	Photoionization Detector	UST	Underground Storage Tank
PUF	Poly-Urethane Foam	Wood	Wood Environment & Infrastructure Solutions, Inc.
		µg/m3	micrograms per cubic meter

1.0 Problem Definition

This Quality Assurance Project Plan (QAPP) has been prepared by Wood Environment & Infrastructure Solutions, Inc. (Wood) to provide a description of the quality assurance (QA) procedures for proposed Remedial Actions (RA) to remediate contaminated soil at the East Barracks Rail Yard (Site) and offsite Hutchinson Industries, Inc. property located in the City of Trenton, Mercer County, New Jersey. The RA conducted at the Site will comply with both New Jersey Department of Environmental Protection (NJDEP) N.J.A.C. 7.26E *Technical Requirements for Site Remediation* (TRSR) and the NJDEP *Field Sampling Procedures Manual*, August 2005, updated 2011 (FSPM). This work is also being performed in accordance with various NJDEP guidance documents that have been issued through the NJDEP Site Remediation Program including the following.

- *Analytical Laboratory Data Generation, Assessment and Usability Technical Guidance* (NJDEP, 2014a)
- *Quality Assurance Project Plan Technical Guidance* (NJDEP, 2014b)
- *Data of Known Quality Protocols Technical Guidance* (NJDEP, 2014c)
- *Data Quality Assessment and Data Usability Evaluation Technical Guidance* (NJDEP, 2014d)

All work will be reviewed and approved by the Licensed Site Remediation Professional (LSRP) who was retained for this project.

1.1 Project Definition

This QAPP has been prepared specifically for proposed RA to address contaminated soil associated with historical operations at the East Barracks Rail Yard (Site), which have also extended onto the adjacent Hutchinson Industrial Property, Area of Concern (AOC) 2B. The goals and objectives of the project are to complete soil remediation in accordance with NJDEP requirements.

The RA consists of the excavation, offsite disposal of contaminated soil, and post-excavation sampling. Remedial actions will be overseen by Wood on behalf of Amtrak. All remedial activities performed for this project will be conducted in accordance with the TRSR - N.J.A.C. 7:26E and the current version of the NJDEP FSPM (NJDEP, 2005). There are no variances from the TRSR or applicable guidance documents associated with the proposed RA.

The scope of work for this project includes sampling and analysis for post-excavation soil samples for verification that the remediation is complete. Perimeter air monitoring for dust will also be conducted. Perimeter air monitoring is discussed in perimeter air monitoring plan that is attached to the Remedial Action Work Plan (RAWP).

Soil sampling will be conducted in accordance with the NJDEP 2015 *Technical Guidance for Site Investigation of Soil, Remedial Investigation of Soil, and Remedial Action Verification Sampling for Soil, March, Version 1.2* and the FSPM, Updated April 2011.

Summaries of the sampling program and analytical methods are provided in Table 1 and Table 2, respectively. The planned area to be excavated and sample grids are shown on Figures 1 and 2.

1.2 Background

This QAPP provides information related to NJDEP Case Number 00-03-20-1219-43 under Program Interest (PI) Number G000043212. This QAPP has been prepared to address a historical discharge of polychlorinated biphenyls (PCBs), which was initially reported by the Site operator, New Jersey Transit, on March 20, 2000. The discharge was attributed to leaking transformers from electric powered, self propelled rail cars.

Initial remedial activities began in 2001 and were limited to areas within the Site boundaries. Investigations subsequently indicated the need to extend the investigations to adjacent, off-site properties to complete delineation. Contaminants of concern include semi-volatile organic compounds (SVOCs), PCBs, pesticides (dieldrin), and metals, specifically lead, beryllium and mercury. These contaminants have been horizontally and vertically delineated at the Site. Details regarding the sampling and analytical results are included in the RAWP.

1.2.1 Physical Setting

1.2.1.1 East Barracks Rail Yard Site (AOC 1)

The East Barracks Rail Yard Site is located in the city of Trenton, Mercer County, New Jersey. The Site covers approximately 3.5 acres. Facilities present at the Site include an active rail line operated by New Jersey Transit, an employee parking area, and two crew quarters trailers. A communications fiber optic line runs below ground parallel to the northeast corridor.

The Site is located south of Assunpink Creek, which discharges to the Delaware River approximately two miles to southwest of the Site. Topography at the Site is generally flat with the exception of the rail lines that are slightly elevated. Relief across the Site is approximately two feet. The entrance to the Site (North Cook Street) is down a moderately sloping hill. A slight depression is present parallel to the fence line along the western side of the railroad tracks. (Roux, 2002)

1.2.1.2 P.J. Hill Elementary School (AOC 2A)

The PJ Hill Elementary School (AOC 2A) is located at 1010 East State Street, Block 25301 Lot 1. The property is bordered by East State Street to the east, North Cook Avenue to the south, AOC 2B (described below) to the north, and the East Barracks rail yard to the west. The property is relatively flat with a slight grade towards the rail yard (Site). Most of the property is covered by the school buildings constructed in the 1970's and paved parking areas. The portion of the property immediately adjacent to the rail yard (Site) is a paved parking lot.

PCB-contaminated soil in AOC 2A was excavated in 2019. This AOC was remediated to meet the NJDEP residential direct contact soil remediation standards (RDCSRS), as described in the 2020 Remedial Action Report (RAR).

1.2.1.3 Hutchinson Industries, Inc. (AOC 2B)

The Hutchinson Industries, Inc., property (AOC 2B), located at 1132 East State Street, Trenton Block 25401, Lots 1 and 2, is bordered by East State Street to the east, P.J. Hill Elementary School to the south, North Olden Avenue to the north, and the East Barracks rail yard (Site) to the west. The property is relatively flat with a slight grade towards the rail yard (Site). Lot 1 consists of buildings and paved areas. The portion of Lot 1 that is immediately adjacent to the rail yard (Site) is covered by a building and parking area bordered by a fence. Most of Lot 2 is a grassy area including the site cap required by a remedial action permit for soil. The portion of Lot 2 that is immediately adjacent to the rail yard (Site) is grass and bordered by a fence.

The area between the Hutchinson Industries, Inc., fence and the Site boundary consists of heavy brush with quantities of debris and trash.

1.2.2 Geology/ Hydrogeology

The surficial soils beneath and in the vicinity of the Site consist of the Galestown-Evesboro association according to the United States Department of Agriculture (USDA) Soil Conservation Service (SCS) in the report *Soil Survey of Mercer County*. Galestown-Evesboro soils are characteristically deep, excessively

drained, nearly level to gently sloping hills that are sandy throughout depth. (Roux, 2002) The Site is located in the northernmost section of the Atlantic Coastal Plain Province, approximately one mile south of the Fall Line. The Atlantic Coastal Plain is comprised of Cretaceous age unconsolidated or poorly consolidated layers of gravel, sand and clay. The Cretaceous formation present in Mercer County and at the Site is the Raritan, Magothy, and Merchantville Formations. These formations dip gently southeast at approximately 35 to 60 feet per mile, where the younger beds dip more gently than the older beds. Also present at the Site, overlying the Cretaceous sediments are unconsolidated stratified deposits of Quaternary age. These deposits can consist of stratified sand, gravel, and clay and were deposited during the Wisconsin Ice Age (Roux, 2002).

According to groundwater investigations conducted at the adjacent Hutchinson property (former NJ Transit/Mercer Bus Garage facility (AOC 2B)¹) located approximately northeast of the Site, groundwater in the area occurs under unconfined, water table conditions (Dames & Moore, 1998). Depth to groundwater at the adjacent former NJ Transit/former Mercer Bus Garage facility was encountered at a depth of 18 to 19.5 feet below ground surface (bgs) during the historical groundwater investigations. (Dames & Moore, 1998). The former Mercer Bus Garage facility is situated approximately eight feet in elevation above the East Barracks facility (Site); therefore, it is estimated that the depth to groundwater below the Site is approximately 10 feet bgs. The groundwater flow direction at the adjacent former NJ Transit / former Mercer Bus Garage facility (AOC 2B) was determined to be to the north, towards Assunpink Creek. The water table aquifer fluctuates seasonally, responding to changes in meteorological conditions. The shallow aquifer in the area of the Site is not a regional source for potable water. The major regional groundwater sources for potable water include the sand and gravel layers of the Raritan and Magothy Formations. Recharge for these aquifers occurs primarily from local precipitation at outcrop areas. (Roux, 2002)

¹ This property is currently the location of the Hutchinson Corporation facility that has been designated AOC 2B.

2.0 Project Organization

2.1 Project Team

Name and contact information for the project team are provided below.

Name/Role	Organization	Phone Number
Marlene Lindhardt / Project Manager and LSRP	Wood	(732) 302-9500
Marie Bevier / Quality Control Manager	Wood	(503) 639-3400
Nick Della Fave/ Site Safety and Health Officer (SSHO)	Wood	(848) 702-9159
Stephen Posten / Laboratory Manager	Wood, NJDEP Certification No. 18003	(732) 302-9500
Jim Todaro / Laboratory Project Manager	Alpha Analytical, Inc.; NJDEP Certification No. MA 935	(800) 624-9220

The laboratory that will be used for this project is Alpha Analytical, Inc (AA) of Westborough, MA. AA will perform all laboratory analyses and is certified by NJDEP for all analyses to be used for this project.

Wood field staff will collect all samples. Appendix A provides the chain of custody (COC) and Appendix B provides the field forms to be used for this project.

2.2 Special Training Needs

All field staff are required to have completed Amtrak safety training within the past year. Amtrak requires the use of Level D personal protective equipment (PPE) at a minimum, including orange traffic visibility vests.

3.0 Data Quality Objectives and Criteria for Measurement Data

3.1 Project Objectives

The objectives of the project are to collect required data to satisfy the regulatory requirements for this project. These requirements include confirmation that contaminated soil at concentrations greater than the applicable standards has been removed from the areas excavated. Data will be used to determine if remediation is complete.

3.2 Data Quality Objectives

Data quality objectives (DQOs) are intended to produce chemical analyses data of known quality (DKQ.) In order to obtain data of appropriate quality to meet investigation objectives, the laboratories selected by Wood will use US Environmental Protection Agency (USEPA) SW-846 methods for soil analyses, in accordance with applicable New Jersey deliverables requirements.

For the analysis of any samples for a parameter or category of parameters for which laboratory certification exists pursuant to N.J.A.C. 7:18, the laboratory will be certified for that specific parameter or category of parameters pursuant to N.J.A.C. 7:18.

DKQ requires the development of performance acceptance criteria that are expressed as data quality indicators (DQIs), including precision, accuracy (bias), representativeness, comparability, completeness, and sensitivity (PARCCS). These DQIs are discussed below and in the tables specific to the analytical methodologies required by NJDEP in the TRSR for this project. In each case, when possible, acceptance criteria are specified in the QAPP, which indicates “how good” the data will need to be for use, and to serve as an early warning system to allow corrective action to be taken in real-time before the entire project is completed. The acceptance criteria and tabular DQIs for the certified laboratory methods to be used for this project have been attached as Appendix C and are listed below. For each method and parameter, PARCCS acceptance criteria are described for the field and laboratory operations:

- Table 2 QAPP Worksheet All Matrices – Metals (ICP) USEPA SW-846 6010C
- Table 5 QAPP Worksheet All Matrices - Pesticides USEPA SW-846 8081A & B
- Table 6 QAPP Worksheet All Matrices – PCB Aroclors USEPA SW-846 8082 and 8082A
- Table 9 QAPP Worksheet All Matrices - Mercury SW-846 Method 7471B and 7470A
- Table 14 QAPP Worksheet All Matrices – SVOAs by USEPA SW-846 8270D
- AA Standard Operating Procedure for Compendium Method TO-10A

Specific DQOs for field work are identified in the applicable NJDEP technical guidance documents. Laboratory DQOs include providing data at method detection limits (MDLs) and laboratory reporting limits (RL), which should be less than the applicable action levels, specifically 0.2 milligrams per kilogram (mg/kg) for PCBs. The following sections list the applicable guidance documents and regulatory requirements specific to this project.

3.3 Technical Standards

The technical standards to be applied to this project are provided in the most recent, applicable NJDEP guidance documents including the following:

- Technical Guidance for the Attainment of Remediation Standards and Site-Specific Criteria September 24, 2012, Version 1.0 (NJDEP, 2012)
- Technical Guidance for Site Investigation of Soil, Remedial Investigation of Soil, and Remedial Action Verification Sampling for Soil, Version 1.2, March 2015 (NJDEP, 2015)
- FSPM, August 2005, Updated April 11, 2011 (NJDEP, 2005)

3.4 Regulatory Standards

The regulatory action levels to be met during this project are provided in the most recent versions of applicable NJDEP regulations and guidance documents including the following:

- N.J.A.C. 7:26D Soil Remediation Standards (SRS)
- 40 CFR 761.61(a - c) USEPA Toxic Substances Control Act

For the East Barracks Rail Yard property (Site), the NJDEP non-residential direct contact soil remediation standard (NRDCSRS) of 1.0 mg/kg for delineation and remediation of PCBs will apply. The RDCSRS of 0.2 mg/kg for delineation and remediation of PCBs will apply for offsite properties.

3.5 Precision

Precision is the measure of agreement among repeated measurements. The following procedures will be used to determine the precision of the data:

- Use the same analytical methods to perform repeated analyses on the same sample (laboratory or matrix duplicates); and
- Split a sample in the field (field split) or collect a field duplicate and submit both evaluating the precision from sample collection and storage and analytical measurements.

Precision for laboratory and field measurements can be expressed as the relative percent difference (RPD) between two duplicate determinations or percent relative standard deviation (%RSD) between multiple determinations. Acceptance criteria for laboratory precision are specified in the method or laboratory standard operating procedure (SOP).

Results of all field duplicate analyses will be compared and RPDs calculated and presented in the validation reports. Poor overall precision may indicate field sample non-homogeneity, improper field sampling techniques, sample transport problems or analytical issues as reflected in the laboratory replicate analyses. Data will be evaluated on an ongoing basis so that if the cause of poor precision appears to be sampling procedures or laboratory method implementation, corrective actions will be taken. If project precision goals are not met, data must be interpreted accordingly and the uncertainty for specific locations or a specific parameter be considered in the usage of the data.

3.6 Accuracy

Accuracy is the degree of agreement of a measured value with its true value. It should be noted that precise data may not be accurate data. Accuracy can be expressed as a percent recovery or percent deviation of the measurement with respect to its known or true value.

Accuracy will be determined through establishing acceptance criteria for spike recoveries (e.g., surrogate recoveries, laboratory control sample recoveries, matrix spike (MS) recoveries, reference material recoveries etc.) or allowable deviations for calibration (e.g., %RPD for calibration verification). Acceptance criteria for MS measurements are expressed as a percent recovery and are specified in the analytical method or laboratory SOP.

For the purpose of this section, bias is defined as the constant or systematic distortion of a measurement process, different from random error, which manifests itself (usually in one direction) as a persistent positive or negative deviation from the known or true value (resulting ultimately in uncertainty with regard to an analytical result). This may be due to (but not limited to) improper sample/data collection, sample matrix, poorly calibrated analytical or sampling equipment, or limitations or errors in analytical methods and techniques.

In the case of an analytical test result(s) from an environmental sample containing an unknown concentration of a particular analyte, there will always be a “true” concentration and an associated uncertainty that is some representation of the extent of deviation that the test result has from that true value. Uncertainty should not be confused with accuracy, even though accuracy is a constituent of the total uncertainty of a measurement. Accuracy is simply how far off the analytical result is from the true value.

Accuracy and bias will be evaluated during data validation through review of quality control (QC) measurements such as initial and continuing calibration, method blanks, surrogate recoveries, laboratory control samples, and matrix spikes. Potential bias to individual results as evidenced by exceedances of the control limits presented in this QAPP will be summarized and reviewed. Particular attention will be paid to any apparent trends or consistency in bias for a particular analyte or sample matrix. The resulting uncertainty in the data must be considered for the different uses planned.

3.7 Representativeness

Representativeness is the extent to which measurements represent the site conditions. In general, the whole system, process, or situation of interest cannot be measured. Instead, sample locations, quantities, and analyses are chosen in order to capture a sufficiently broad and/or weighted view of the situation. The TRSR (N.J.A.C 7:26E 3.4(a)1; N.J.A.C 7:26E 3.5(a)1; and N.J.A.C 7:26E 3.6(b)1) requires the collection of samples biased towards suspected contamination (i.e., collect samples from areas of elevated photo-ionization detector [PID] readings, staining, odors, etc.).

Representativeness is the degree to which data accurately and precisely represent a parameter variation at a sampling point or an environmental condition. The results of all analyses will be used to evaluate the data to determine if the samples were collected in such a manner that the results appropriately describe the area investigated.

Sampling will be conducted in accordance with the NJDEP FSPM. Sample locations will be selected based on NJDEP requirements for post-excavation verification samples in accordance with applicable NJDEP guidance documents for sampling areas of concern. Specific sample intervals will be biased high based on visual observation or field monitoring instruments.

Representativeness of laboratory data will be achieved by following standardized procedures for subsampling.

3.8 Comparability

Comparability is defined as the extent to which data from one data set can be compared directly to similar or related data sets and/or decision-making standards.

Comparability is the degree to which data from one study can be compared with data from other similar studies, reference values (such as background), screening values and remediation standards. Field procedures in accordance with the NJDEP FSPM will be implemented to promote comparability of collected samples.

Comparability of laboratory results will be achieved by following standardized analytical procedures, using traceable reference materials, using Class A volumetric glassware or correctly calibrated pipettes for volumetric procedures, using correctly calibrated balances for gravimetric procedures, and following good laboratory practices.

Wood will insist on strict adherence to method QC and procedural requirements and the requirements of this QAPP, or proper documentation by the laboratory of deviations from the analytical methods. If undocumented method deviations are discovered during data validation, Wood chemists will evaluate potential effects on data usability and comparability, and will contact the laboratory for corrective action.

3.9 Completeness

Completeness is a measure of the amount of usable data collected compared to the amount of data expected to be obtained. Three measures of completeness are defined:

- Sampling completeness, defined as the number of valid samples collected relative to the number of samples planned for collection;
- Analytical completeness, defined as the number of valid sample measurements relative to the number of valid samples collected; and
- Overall completeness, defined as the number of valid sample measurements relative to the number of samples planned for collection.

The data completeness is determined as the percentage of usable data points compared to the number of samples collected for a specific analysis or matrix. Lack of completeness may be the result of sample loss during transport or analysis or rejection due to unacceptable quality control results for the analysis. No data that are rejected based on the validation will be considered usable for project purposes. Data completeness will be evaluated with respect to each intended use. Lack of completeness for a data set may have different impacts based on use; for example, risk assessment versus flow and solute transport modeling.

Because the analytical results will be used to verify that contaminated soil has been removed, the completeness goal is 90%.

3.10 Sensitivity

Sensitivity refers to the ability of an analytical procedure to quantify an analyte at a given concentration. The sensitivity requirements should be established such that the laboratory method RLs are at or below the relevant and applicable regulatory limits for each contaminant of concern for the project. For the purpose of this QAPP, the RL is defined as the lowest initial calibration standard as adjusted for the dilution factor, sample weight/volume, and moisture content.

Methods for analysis should be chosen to meet the sensitivity requirements for a project (e.g., compound- and matrix-specific). If however, the laboratory RLs exceed the project sensitivity requirements (i.e., the RL is greater than the relevant and applicable regulatory standard), the analytical methods may need to be adjusted (e.g., analysis conducted using a more sensitive method or sample preparation and analysis features adjusted to gain sensitivity) and/or the project objectives may need to be adjusted (i.e., certain contaminants of concern may not be able to be screened out during this phase of the evaluation)

The minimum concentrations that are required to achieve DKQ are defined by the applicable regulatory standard or screening levels. The regulatory action levels to be met during this project are provided in the most recent, versions of applicable NJDEP regulations and guidance documents including the following:

- N.J.A.C. 7:26D Soil Remediation Standards (SRS)
- 150 $\mu\text{g}/\text{m}^3$ (micrograms per cubic meter) (24-hour average) for PM_{10} for dust (USEPA 40 CFR Part 50)

RLs presented in this QAPP are defined by the method and are set at the concentration of the lowest applicable regulatory standard or criterion. These limits may not be achievable for samples with significant interferences, and the usability of data in these cases may be limited. RLs greater than screening levels or standards will not allow a demonstration of compliance with applicable action levels. Wood will review those instances where RL objectives have not been met, and if the measurements at their respective RLs are considered critical for project purposes, resampling or other corrective measures may be taken.

4.0 Investigation Process and Procedures

4.1 Historical and Secondary Information / Data

Wood completed remedial investigations (RI) of the Site in 2017 and offsite areas in 2019. Additional pre-excavation sampling was conducted in 2020; results are included in the RAWP. Data generated are being used to determine the planned horizontal and vertical limits of excavation. The pre-excavation soil data had been reviewed for QC purposes during the RI and are considered acceptable for use as the basis for estimating the area to be excavated.

4.2 Investigation Process Design

4.2.1 Post-Excavation Soil Sampling

Verification sampling will be conducted to confirm that the RA has been successfully completed and that soil with PCB concentrations greater than the applicable standards, have been removed. In several locations, SVOCs, pesticides (dieldrin), lead, beryllium and mercury will also be analyzed.

Post-excavation soil sampling will be performed in accordance with the requirements of the NJDEP *Technical Guidance for Site Investigation of Soil, Remedial Investigation of Soil, and Remedial Action Verification Sampling for Soil*, March 2015.

The areas to be excavated have been defined based on the site investigation (SI) and RI sample results (Figures 1 and 2.) Based on the applicable guidance for excavation, the minimum post remediation sampling frequency for this Site are:

- Select one sidewall sample location for every 30 linear feet of sidewall or other appropriate spacing based on the configuration of the excavation to demonstrate horizontal compliance with the remediation standards. Collect samples at the top and bottom of each sidewall to demonstrate vertical compliance with the remediation standards. Additional samples may be needed at other depths in a sidewall to demonstrate vertical compliance with the remediation standards. Bias sidewall sample locations and sample depths for each sidewall to the suspected highest concentration based on depth of the data from SI and RI sample locations, type and characteristics of the contaminant, field screening, and other indicators of potential contamination (e.g., evidence of staining). Adjust sample depths based on the depth at which contaminants were discharged (surface versus subsurface) and the type and characteristics of the contaminants that will affect contaminant fate and migration.
- Collect one sample from the excavation bottom area for every 900 square feet (SF). Bias excavation bottom samples within each 900 SF to the suspected highest concentration based on field screening data from SI and RI sample locations, type and characteristics of the contaminant, and other indicators of potential contamination (e.g., evidence of staining).

Table 1 summarizes the soil sampling plan. Because the exact location and quantities of samples will be determined in the field, exact details are not included in the summary. Table 2 summarizes the analytical methods including the sample preservation requirements, container types, and holding times.

Wood will record measurements in the field of the sample locations, which will subsequently be surveyed by a New Jersey licensed surveyor or by GPS.

The verification soil sample results will then be evaluated to determine if remediation is complete. If additional excavation is necessary, the methodology described above will be repeated.

4.2.2 Perimeter Air Monitoring

As detailed in the Perimeter Air Monitoring Plan (PAMP) that is attached to the RAWP, one air monitoring station will be located upwind of the soil disturbance activity to represent background conditions and two additional air monitoring stations will be located downwind of the excavation perimeter to monitor potential receptors of soil disturbance activities. As wind directions change, the monitoring stations may be relocated. The actual locations of each monitoring station will be documented daily. The stations will be located 4 feet above grade.

Background perimeter air sampling will be conducted to establish a baseline for the duration of the project and report ambient air concentrations of PCBs prior to intrusive work. Background sampling will be performed for a minimum of three days during fair weather conditions (i.e., no precipitation and/or relative humidity < 90%) prior to commencement of the work. Upon completion of the baseline sampling activities, the data will be tabulated to establish a pre-excavation baseline.

Real-time air monitoring for airborne dust will be monitored to provide time-weighted average (TWA) concentrations that are stored in the data logging memory. In addition, PM₁₀ concentrations and weather data will be recorded hourly.

Confirmatory perimeter air sampling for PCBs will be conducted for the duration of the project to confirm the accuracy and precision of the real-time screening data and to show compliance with perimeter air action limits. Samples will be collected over an 8-hour period, from a downwind location or the location that is likely to have the highest concentration of airborne contaminants.

Confirmatory sampling will be conducted at the following frequency:

- A minimum frequency of one sample/week applies for each separate ground intrusive action at a project.
- If an alarm condition occurs, air samples will be collected to confirm action level exceedance. For respirable particulate matter alarms, a sample will be collected for the remainder of the workday following the alarm condition from the location of the alarm condition / respective air monitoring station based on wind direction.

4.3 Investigation Methods

The investigation methods are discussed below. All project sampling will be performed in accordance with the NJDEP FSPM and other applicable NJDEP guidance documents.

Table 2 provides a summary of the analytical methods including sample container types, preservation requirements, and holding times.

4.3.1 Equipment and Supplies

The investigation will utilize the following equipment and supplies:

- Stainless-steel trowels and bowls.
- Lab-cleaned sample containers of the proper size and composition provided by the laboratory.
- Bound field logbook to record notes, observations, and other pertinent information.
- Camera or cell phone to photo-document activities.
- Appropriate paperwork (e.g., Chain of Custody, Logging and Calibration forms).
- Sample labels.

- Reagents, preservatives, coolers and a means to maintain sample temperature at 4°C.
- Portable field screening instrumentation (e.g., photoionization detector).
- Prescribed PPE for the scope of work (e.g., disposable nitrile gloves, eye protection) – refer to the Site-Specific Health and Safety Plan (HASP).
- Decontamination equipment and supplies for personnel and/or equipment (e.g., deionized water, Alconox, brushes, paper towels, etc.).
- Absorbent pads.
- Plastic bags for containerizing contaminated items.
- Clean plastic sheeting and table(s) to inspect and prepare samples.
- Aluminum foil and sealable plastic bags for protecting sampling equipment between locations.
- Packaging materials for sample shipment and custody seals for shuttles.

Additional supplies and equipment, as necessary.

4.3.2 Soil Sampling

Post-excavation soil samples will be collected from bottom and sidewall locations of the excavated area. Samples will be collected in discrete 6-inch increments using stainless steel trowels that are decontaminated between samples. Soil will be homogenized in stainless-steel bowls in accordance with the FSPM requirements.

All non-dedicated equipment used for soil sampling (e.g., stainless steel bowls and trowels) must be decontaminated prior to use and in between sample locations. Once the equipment has been cleaned, it must be protected from incidental contact (cross-contamination) by wrapping it in aluminum foil or placing it in a sealable plastic bag.

The quantity of soil samples is dependent on both the requirements of the NJDEP in the *Technical Guidance for Site Investigation of Soil, Remedial Investigation of Soil, and Remedial Action Verification Sampling for Soil*, March 2015, and conditions encountered in the field. Each soil sample will be labeled for sample identification and shipment via Federal Express (unless courier arrangements are made with the laboratory). Chain-of-custody documentation will be completed for all samples collected at the Site and will accompany the samples to the laboratory.

4.3.3 Ambient Air Sampling

Ambient air samples will be collected during ground intrusive activities (excavation only) to confirm the accuracy and precision of the real-time screening data and to show compliance with perimeter action levels, in accordance with the procedures detailed in the PAMP contained in the RAWP. Real-time measurements of particulate matter (dust) will be collected with a dust meter (DUST TRAK, or equivalent). Confirmatory ambient air samples for PCBs will be collected over an 8-hour period with a poly-urethane foam (PUF) cartridge. Ambient air samples will be collected from a downwind location or at a location suspected to have the highest concentration of airborne contaminants.

The quantity of ambient air samples to be collected is dependent on the duration of the project, number of days of background sampling, and action level exceedance confirmatory sampling. Each ambient air sample will be labeled for sample identification and shipment via Federal Express (unless courier arrangements are

made with the laboratory). Chain-of-custody documentation will be completed for all samples collected at the Site and will accompany the samples to the laboratory.

4.3.4 Decontamination

4.3.4.1 Heavy Equipment

Heavy equipment associated with a sampling episode must be cleaned prior to usage. Heavy equipment, such as backhoes and excavators, represent potential sources of interference and cross-contamination in environmental samples. Heavy equipment may inadvertently come in contact with non-target materials adjacent to the matrix being sampled or may cross-contaminate actual sampling equipment that had previously been cleaned in accordance with procedures set forth above. Heavy equipment may also potentially retain contaminants from other sources such as roadways, storage areas or previous job sites. In addition to initial onsite cleaning, heavy equipment must be cleaned between use at each sample location. (Refer to ASTM D-5088-90).

Two options are available to accomplish cleaning of heavy equipment: manual scrubbing and steam cleaning.

Manual scrubbing uses brushes, Alconox-water solutions, and potable water to remove visible debris and residual contamination from machinery components, such as excavator buckets, that had contacted the sampling matrix.

The use of a steam generator is more advantageous than manual scrubbing. Steam generators using potable water provide a heated and high-pressure medium that is very effective for the removal of both visible debris and residual contamination. Steam generators are also more efficient with respect to ease of handling and generation of low volumes of wash solutions.

When possible, heavy equipment decontamination via steam generator will be selected over manual scrubbing.

4.3.4.2 Sampling Equipment

Stainless steel bowls and trowels will be used to collect soil samples during the investigation and will be cleaned between sample locations. The field sampling equipment cleaning and decontamination procedures are as follows:

1. Laboratory grade glassware detergent (e.g., Alconox) and tap water scrub to remove visual and residual contamination.
2. Generous tap water rinse.
3. Distilled and deionized (ASTM Type II) water rinse.

Following decontamination, field sampling equipment will be wrapped in aluminum foil or placed in sealable plastic bags to prevent incidental contact (cross-contamination).

4.4 Field Quality Control

Quality control (QC) samples for this project include equipment-rinsate blank sample and field duplicate sample collection.

Equipment blanks are water samples collected from decontaminated sampling equipment using laboratory-supplied deionized (ASTM Type II) water. The purpose of an equipment blank is to demonstrate that the prescribed decontamination procedures successfully remove visible and residual contamination from the

non-dedicated sampling equipment. Concentrations of contaminants detectable in equipment blank samples indicate that the non-dedicated sampling equipment was not been properly cleaned and cross-contamination between sample locations is possible. If equipment blank samples exhibit concentrations of contaminants, Wood field personnel will re-evaluate the decontamination procedures. Revisions to the decontamination procedure of sampling equipment may also be necessary. Equipment blanks will be collected at the rate of one per day.

Field duplicate samples are split or replicate samples collected from the homogenized soil at a sample location. Duplicate samples are used to evaluate the sampling technique and homogeneity/heterogeneity of the sample matrix. Field duplicate samples will be collected at the rate of one per 20 soil samples.

Table 2 includes the planned QC samples for this project.

4.5 Field Instrument/Equipment Calibration and Frequency

No field instrumentation requiring calibration is required for the soil sampling activities.

The following field instruments for air monitoring will be used for this project:

- Dust Meter, Dust TRAK, MIE Data Ram, or equivalent with data logging capability, and audio/visual alarm, and
- Davis Vantage Pro2 or equivalent, meteorological weather station with automatic data logging capabilities. This instrument will require set-up at an elevation of approximately six feet above ground surface.
- Low-volume air sampler with PUF cartridges for PCBs

Prior to the initiation of the field investigation, a preventative maintenance and calibration program will be implemented to ensure proper operation of the field instruments. The field personnel will be familiar with the maintenance, calibration, and operation of field equipment and will perform the prescribed field operating procedures outlined in the Operations Manuals accompanying each instrument.

Field instruments used during sampling will be checked for calibration consistent with manufacturer-recommended procedures. Field instrument operating manuals are included in the PAMP.

If at any point in the project equivalent equipment of different make and model is utilized, copies of the relevant manufacturer manuals will be obtained and reviewed.

4.6 Inspection/Acceptance of Supplies and Consumables

The laboratory will supply all sample collection bottles and coolers to be used for this project. Upon receipt of the coolers, the contents will be inspected to ensure that the proper quantity, size and type of container have been provided. If any issues are found (e.g., missing/broken bottles), the laboratory will be contacted immediately for replacement containers.

4.7 Sample Handling and Custody Requirements

A summary of container types, holding times, and preservation requirements, (including temperature requirements) is provided in Table 2. Sample preservation, containers, and holding times are summarized in Appendix 2.1 of the NJDEP FSPM. Samples will be tracked by use of COC from the field to laboratory. The project COC form and sample labels are included in Appendix A.

4.7.1 Field Chain of Custody Procedures

COC records will be used to document sample collection and shipment to the laboratory for analysis. The COC is an integral component of the sampling process and represents the permanent record of sample holding and shipment. Forms will be completed when the samples are packaged for shipping to the laboratory. Until that time, the samples will be maintained in the custody of the Wood field team; that custody will include the identification of samplers in the field and personnel in the field office. Once the samples are packaged, the COC form will be placed in the cooler and sent with the samples for each shipment. If multiple coolers are sent to a single laboratory on a single day, one form will be completed for all samples per shipment.

Coolers will be packed with samples designated for a single laboratory. The COC record will identify the contents of each shipment and maintain the custodial integrity of the samples. The COC form will be crosschecked for errors and signed by the designated Wood field representative.

The Wood field representative will sign the “relinquished by” box and note the date, time, and air bill (if applicable). Until the samples are delivered, the custody of the samples will be the responsibility of the Wood field representative and will be kept in a secured area that is restricted to authorized personnel. A laboratory representative will check samples with their respective COC form(s) into the laboratory, and the form will be signed and dated appropriately. The Wood field representative or staff member will retain one copy of the signed COC form for the project files.

The COC form is provided in Appendix A.

4.7.2 Laboratory Sample Custody Procedures

The COC form will be signed on receipt by the laboratory to complete the custody chain. The condition of the samples upon receipt by the laboratory will be documented on a cooler receipt log or sample condition upon receipt form. This form will note sample integrity, preservation, temperature, custody seal condition, and will note any discrepancies between information on the sample labels and that on the COC custody form.

4.7.3 Sample Identification Procedures

Each sample will be logged into the laboratory information management system (LIMS) by assigning it a unique sample number. This number and the field sample identification number will be recorded on the laboratory report. Samples will be stored and analyzed according to specified USEPA and/or NJDEP methods. The original COC form will be returned to Wood for permanent storage.

4.7.4 Laboratory Chain-of-Custody Procedures

Once the laboratory has logged in the samples, their progress through preparation and analysis will be tracked and monitored through the LIMS. The analysts will be required to sign out samples from the sample storage area or refrigerator by entering their initials, date and time of sample removal. The samples will be taken to the appropriate analytical section for preparation and analysis where all procedures will be documented in laboratory notebooks or forms and on run logs. Dates of preparation and analysis will be entered into the LIMS. Sample results will be entered into the LIMS either through direct download from the instrument or manually. Unused sample portions and extracts will be returned to the sample storage area and signed back in. The sample or extract will remain in storage at the laboratory until the disposal time period is reached. Disposal information will be entered into the laboratory information system. Sample disposal will not occur until Wood confirms that all data have been fully validated and have provided written approval to permit sample disposal.

4.8 Field Storage and Transport Procedures

Samples will be collected, preserved and transported in accordance with the NJDEP FSPM and any method specific requirements. Samples will be transported to the laboratory on a daily basis. AA (laboratory) will be contacted to pick up the samples from the site at the end of each day.

Sample preservation requirements are included in Table 2. All samples will be stored in coolers and transported to the laboratory under COC, as previously described.

This project is not expected to generate samples that would be classified as dangerous goods or hazardous materials.

5.0 Analytical Laboratory Requirements

5.1 Project Compounds and Analytical Summary

The analytical methods to be used for this project includes:

- Metals (ICP) USEPA SW-846 6010C
- Pesticides USEPA SW-846 8081B
- PCB Aroclors USEPA SW-846 8082A
- Mercury SW-846 Method 7471B
- SVOCs by USEPA SW-846 8270D
- PCB Aroclors USEPA TO-10

Table 2 includes the sample matrix and applicable methods. The method detection limit (MDL) is dictated by the method and the laboratory reporting limit may vary depending on laboratory instruments and sample characteristics. These will be identified in the data deliverable package.

5.2 Analytical Quality Control

QA/QC requirements for the analyses to be performed are specified by the analytical methods. Analytical methods are provided in Table 2.

All laboratories utilized for this project are required to maintain NJDEP laboratory certification and to comply with QA/QC requirements for each method.

Required laboratory QC checks, their required frequency, the established control limits, and the actions to be taken if the control limits are exceeded are summarized for NJDEP and USEPA methods listed in Appendix C.

The laboratory QA/QC procedures are provided in the individual laboratory QA Manuals (QAMs). AA (laboratory) is certified by NJDEP for the methods it is utilizing.

5.3 Laboratory Deliverables

The laboratory deliverables for this project are dependent on the data generated and the requirements of the NJDEP TRSR. Reduced laboratory deliverables will be provided for all analyses performed under this project.

Electronic data will be provided by the laboratory in the required HAZSITE electronic data deliverable (EDD) format as required by the TRSR and as detailed in the NJDEP Electronic Data Interchange (EDI) Manual, dated February 2013.

6.0 Data Review and Usability

This section documents procedures for determining whether the results of the project may be used for the intended purpose. Data review and usability are important steps in a project as they apply to both field and lab activities. To accomplish this, all aspects of the project (e.g., field monitoring activities and laboratory analyses) will be examined to determine if any problems were encountered that might jeopardize the usability of the data.

This section of the QAPP addresses various data assessment issues performed by samplers, laboratory, and independent reviewers. It includes the criteria for accepting, rejecting, or qualifying data as discussed in the *Data Usability Assessment and Data Usability Evaluation Guidance Document*. (NJDEP, 2014d)

6.1 Data Management

Data acquired during this project include recording and transcribing field notes; logging and retrieval of field instrument data; transmittal of automated field and laboratory results; data transformation and reduction procedures; and data storage, retrieval and security issues throughout the project.

6.2 Data Verification and Usability

The laboratory data review process involves evaluation of both the results of the QC data and the professional judgment of the person(s) conducting the review. This application of technical knowledge and experience to the data evaluation is essential to ensuring the high quality of data. The laboratory has documented procedures, which are to be followed and must be accessible to all laboratory personnel. The laboratory generally reviews data in three steps before submittal:

- Level 1 Analyst/Peer Data Review – The analysts review the quality of their work based on an established set of guidelines. At a minimum, the review will ensure that appropriate preparation, analysis, and SOPs have been followed; analytical results are correct and complete; QC samples are within established control limits; and documentation is complete (for example, any anomalies have been documented).
- Level 2 Supervisory Data Review – A supervisor or data review specialist whose function is to provide independent review of the data package will perform this level of review. This review will also be conducted according to established guidelines (i.e., method requirements and laboratory SOPs). The Level 2 review includes review of the qualitative and quantitative data and of documented anomalies.
- Level 3 Administrative Data Review – A laboratory QA/QC officer or program administrator performs the final data review before submittal. This level of review provides a total overview of the data package to ensure its consistency and compliance with project requirements.

The project laboratory QA/QC officer or designee will evaluate the quality of the work based on this QAPP and an established set of laboratory guidelines to ensure the following:

- Sample preparation information is correct and complete.
- Analysis information is correct and complete.
- Appropriate procedures have been followed.
- Analytical results are correct and complete.
- Laboratory QC check results are within appropriate QC limits.
- Special sample preparation and analytical requirements have been met.
- Documentation is complete (all anomalies in the preparation and analysis have been documented; holding times are documented).

- Laboratory qualifiers have been assigned to all samples with data usability limitations.

6.3 Reconciliation with User Requirements

Examples of reconciling Data Quality Problems with Data Quality Goals	
Typical Data Verification and Validation Problems	Resulting Data Usability Assessment Issues
Matrix spike/matrix spike duplicate recoveries are below the acceptance criteria; there were unexpected matrix interferences.	Even with the low recoveries, did the data reveal enough information to be useful for decision-making?
Precision and bias criteria were not achieved. Initial calibration criteria (response factors, correlation coefficient) may not have been appropriate for these analytes.	Does a different method of analysis need to be used to obtain better quality data?
Some maximum allowable holding times have been exceeded. Thus, the results are either biased low or invalid.	Are the measured concentrations sufficiently above the action limits that the potential bias is not significant?
Because sample concentrations were higher than expected, the spike levels were not comparable with the unspiked concentrations, making the results essentially meaningless.	Are measured concentrations so far above the action limits that the low spike recoveries do not adversely affect the ability to confirm that the limits are exceeded?
Conditions in the field required that the sampling procedures be changed significantly.	Is there evidence to support the contention that the samples are still sufficiently representative?

7.0 Assessments

7.1 Performance and System Audits

Proper communication between field personnel, project management personnel, and laboratory personnel will help to ensure that the proper methods and techniques are used throughout the project.

The QC manager, or designee, will initiate audits, select the audit team, and oversee audit implementation.

The field manager will supervise and check that samples are collected and handled in accordance with this QAPP and that documentation of work is adequate and complete.

The laboratory QA manager will ensure that the analytical laboratory follows in-house performance guidelines and will perform system audits under the in-house QA/QC guidelines. The laboratory will immediately deal with any irregularities found in the laboratory's performance or system audits. The laboratory QA manager or their designee will also conduct the following internal audits regularly:

Technical audit, including reviews of calibration and equipment monitoring records, laboratory logbooks, maintenance records, and instrument control charts

Data quality audit reviews, including all aspects of data collection, reporting, and review

Management systems audits verifying that management and supervisory staff effectively implement and monitor all QC activities necessary to support the laboratory QA program.

The Wood project manager is responsible for overseeing that the project performance satisfies the QA objectives set forth in this document. Reports and technical correspondence will be peer reviewed by qualified individuals before being finalized.

7.2 Corrective Action Processes

Corrective actions include revising/updating the QAPP and adjusting field and/or laboratory procedures.

Audits and other assessments may find practices or procedures that do not conform to this QAPP. The following sections describe appropriate corrective actions for the various data management activities.

7.2.1 Field Corrective Action

The field manager will review the procedures being implemented in the field for consistency with the established protocols. Sample collection, preservation, labeling, etc., will be checked for completeness. Where procedures do not strictly comply with the established protocol, the deviations will be field documented and reported to the QA officer. Corrective actions will be defined and documented, as appropriate, by the Field Manager and reported to the Wood project manager and the QA officer. The documentation will become part of the project file.

7.2.2 Laboratory Corrective Action

The laboratory QA manager will be responsible for review of the data generated by their laboratory to ensure that all QC samples have been run as specified in the protocol. Recoveries of laboratory control sample (LCS), surrogate, and matrix spike (MS) samples will be reviewed for method accuracy. The RPD of laboratory duplicates and matrix spike duplicates (MSD) samples will be reviewed for method precision. The results will be evaluated against the control limits and appropriate corrective action taken if warranted.

Laboratory personnel will be alerted that corrective actions are necessary if any of the following occur:

- The QC data are outside the warning or acceptance limit(s) for precision and/or accuracy established for LCSs. The laboratory QA manager will consult the project chemist or the QC manager to discuss out-of-control data sets.
- Blanks contain contaminants at concentrations exceeding the detection limit.
- Undesirable trends are detected in the LCS or MS percent recoveries, RPDs, or surrogate recoveries.
- Unusual changes in detection limits are observed.
- The laboratory QA manager detects deficiencies during internal or external audits, or from the results of performance evaluation samples.

If the analyst identifies any nonconformity in the analytical methodologies or QC sample results, the laboratory will implement corrective actions immediately. Specific corrective actions are outlined in the laboratory QAM.

The analyst will review the preparation or extraction procedures for possible errors check the instrument calibration, evaluate spike and calibration mixes, check instrument sensitivity, and initially handle corrective action procedures at the bench level. The analyst will immediately notify his/her supervisor of the identified problem and the investigation that is being conducted. If the problem persists or cannot be identified, the matter will be referred to the laboratory supervisor and laboratory QA manager, and if the data are impacted, the project chemist and QC manager will be provided a corrective action memo for inclusion in the project file.

Corrective action may include, but will not be limited to:

- Reanalyzing suspect samples if holding time permits
- Retrieving the archived sample for analysis
- Accepting data with acknowledged level of uncertainty (with consultation)
- Recalibrating analytical instruments
- Evaluating and attempting to identify data limitations
- Re-sampling

Working with the project chemist, the QA officer will be responsible for reviewing the laboratory data generated for this project and ensuring that all project QA objectives are met. If any nonconformance is found in field procedures, sample collection procedures, field documentation procedures, laboratory analytical and documentation procedures, and data evaluation and quality review procedures, the impact of the nonconformance on the overall project QA objectives will be assessed. Appropriate actions, possibly including reanalysis or resampling, will be recommended to the Wood project manager so that the project objectives can be accomplished. Data deemed unacceptable by the Wood project manager, after the implementation of the required corrective actions, will not be accepted and further follow-up corrective actions will be explored.

8.0 Reporting, Documents and Records

8.1 Field Logbooks

Wood field staff will maintain a Site-specific field logbook for proper documentation of all Site activities.

Field logbooks must be bound and should have numbered, water resistant pages. All pertinent information regarding the Site and sampling procedures will be documented. Notations will be made in logbook fashion, noting the time and date of all entries. At a minimum, recorded information will include:

- Name and exact location of Site
- Date and time of arrival and departure
- Affiliation of persons contacted
- Name of person keeping log
- Names of all persons on the Site
- Purpose of visit
- Relevant Site information (processes or products, waste generation, nature of spilled material)
- Composition and concentration of substance, if known; description of sampling plan
- Field instrument calibration information
- Location of sampling points (including justification)
- Geographically referenced location of sample point
- Number of samples collected with volumes
- Preservation
- Method of sample collection and any factors that may affect its quality
- Date and time of sample collection and any factors that may affect its quality
- Name of collector
- All sample identification numbers
- Description of samples
- Weather conditions on the day of sampling and up to 48 hours previous and any field observations

8.1.1 Documenting Sampling Points

Sampling points will be documented for their exact location for purposes of future sampling. It is also necessary to document sample locations in an approved geographically referenced format per NJDEP Site Remediation Program EDI requirements when submitting analytical results for those samples.

Documentation of sample locations for field notes can be accomplished through the use of a monument, measuring tape and compass. A monument should be chosen at each Site to act as a stationary reference point from which all sampling points can be measured using a compass and measuring tape.

When establishing a sampling point, follow this procedure:

1. Standing at the monument, facing sampling point, use the compass hairlines to determine degree of direction.

2. Line of sight should run from the monument, through both hairline needles on the compass, to the sampling point.
3. When first establishing the sampling point, record the degree and direction reading from the compass in the field notebook, along with the distance measurement, from the monument to the exact sampling point.

8.1.2 Photo-Documentation

To the extent practicable, all sampling points should be documented on digital media (e.g., digital camera or cell phone). Photographs taken to document sampling points should include two or more reference points to facilitate relocating the point at a later date. Keeping a record of photographs taken is required. For each photograph taken, several items should be noted in the field notebook:

- Date
- Time
- Photographed by (name)
- Name of Site
- General direction faced and description of the subject taken
- Sequential number of the photograph

8.2 Records Management

Documents and records will be generated by Wood and laboratory personnel. Wood documentation includes:

- Field notes that document sample collection and handling, equipment calibration records, and daily notes that could impact quality of the data being generated; and
- Assessment reports; and data reconciliation results and associated recommendations that are developed through the review of the laboratory deliverable packages.

Laboratory documentation includes sample collection and handling records; analytical logbooks; QC sample records; equipment calibration records; assessment reports; and data reconciliation results and associated recommendations. The pertinent information is provided to Wood in the laboratory deliverable.

All project data is maintained in project files. Electronic files are maintained on the Wood secure server, which is regularly backed up to ensure data is recoverable, if necessary.

9.0 References

- Dames and Moore, 1996. Underground Storage Closure Report, NJ Transit – Mercer Bus Garage, November 5
- New Jersey Administrative Code 7:26D. Soil Remediation Standards
- New Jersey Administrative Code 7:26E. Technical Requirements for Site Remediation, September 10, 2018.
- NJDEP, 2005. Field Sampling Procedures Manual, August, Updated April 2011.
- NJDEP, 2012. Technical Guidance for the Attainment of Remediation Standards and Site-Specific Criteria, Version 1.0, September 24
- NJDEP, 2014a. Analytical Laboratory Data Generation, Assessment and Usability Technical Guidance, Version 1.0, April
- NJDEP, 2014b. Quality Assurance Project Plan Technical Guidance, Version 1.0, April
- NJDEP, 2014c. Data of Known Quality Protocols Technical Guidance, Version 1.0, April
- NJDEP, 2014d. Data Quality Assessment and Data Usability Evaluation Technical Guidance, Version 1.0, April
- NJDEP, 2015. Technical Guidance for Site Investigation of Soil, Remedial Investigation of Soil, and Remedial Action Verification Sampling for Soil, March, Version 1.2
- NJDEP, Electronic Data Interchange Manual, <http://www.nj.gov/dep/srp/hazsite/docs>
- Roux, 2002. Remedial Investigation Work Plan, March 6, 2002
- Wood, 2020. Remedial Action Report – AOC 2A Patton J. Hill Elementary School, May 20, 2020



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Tables



**Table 1
Summary of Sampling Program**

East Barracks Rail Yard
Trenton, New Jersey

Area of Concern (AOC)	Work Phase	Location	Matrix	Sampling Method	Sample ID(s)	Sample Depth (ft. bgs)	Analysis
AOC 1 - East Barracks Rail Yard (Site)	Phase 1	Excavation Area 6	Soil	Composite Sampling	TBD	TBD	TBD
		Excavation Area 7					
		Excavation Area 8					
		Excavation Area 9					
		Excavation Area 10					
		Excavation Area 11					
		Excavation Area 12					
		Excavation Area 13					
	Phase 2	Excavation Area 14	Soil	Composite Sampling	TBD	TBD	TBD
		Excavation Area 1					
		Excavation Area 2					
		Excavation Area 3					
	Phase 1 & 2	Excavation Area 4	Air	PUF Cartridges	TBD	N/A	PCB Aroclors
		Excavation Area 5					
AOC 2A - P.J. Hill Elementary School (Off-Site)	Phase 1	Air Monitoring Station #1 (Upwind of Ground Intrusive Activities)	Soil	Composite Sampling	TBD	TBD	TBD
		Air Monitoring Stations #2 & #3 (Downwind of Ground Intrusive Activities)					
AOC 2B - Hutchinson Industries, Inc. (Off-Site)	Phase 1	East-Southeast of Excavation Areas 12, 13, & 14	Soil	Composite Sampling	TBD	TBD	TBD

Notes:

1. ft bgs - feet below ground surface
2. PUF - Polyurethane foam
3. PCB - Polychlorinated biphenyl
4. N/A - Not applicable
5. Specific location ID, depths and analyses to be determined (TBD) in the field based on excavation.
6. Details for sampling plan design are provided in the Remedial Action Work Plan

Table 2
Analytical Methods Summary

East Barracks Rail Yard
Trenton, New Jersey

Matrix	Parameter	Maximum Number of Samples	Number of Equipment Blanks	Number of Duplicates	Number of Trip Blanks	Analytical Method(s)	Sample Preservation Requirement(s)	Sample Container Volume & Type	Sample Holding Time(s)
Soil	PCB Aroclors	TBD	1 per Day	1 per 20 Samples	0	SW-846-8082A	Cool 4°C	1 x 4 oz Amber Glass, Teflon®-lined septum	14 days (extraction) ¹
	SVOCs	TBD	1 per Day (as applicable)	1 per 20 Samples	0	SW-846 8270D	Cool 4°C	1 x 4 oz Amber Glass, Teflon®-lined septum	14 days (extraction) ¹
	Metals (including Mercury)	TBD	1 per Day (as applicable)	1 per 20 Samples	0	SW-846 6010C/7471B	Cool 4°C	1 x 4 oz. Amber Glass	180 days (metals) / 28 days (mercury) ¹
	Pesticides (dieldrin)	TBD	1 per Day (as applicable)	1 per 20 Samples	0	SW-846 8081B	Cool 4°C	1 x 4 oz. Amber Glass, Teflon®-lined septum	14 days (extraction) ¹
Air	PCB Aroclors	TBD	TBD	TBD	0	USEPA TO-10	Cool 4°C	PUF sampling cartridge and/or PUF-Tenax® TA sandwich sampling cartridge	7 days (extraction) ²

Notes:

PCB - Polychlorinated biphenyl

SVOC - Semi-volatile organic compound

TBD - To be determined

PUF - Polyurethane foam

¹Soil sample container volume / type, preservation requirements, and holding times based on Alpha Analytical, Inc.'s Sampling Reference Guide (<https://alphalab.com/index.php/support-services/holding-times>)

²Air sample container volume / type, preservation requirements, and holding time based on USEPA Compendium Method TO-10A (<https://www.epa.gov/sites/production/files/2016-02/documents/to-10ar.pdf>)



wood.

Figures



REV	DATE	ISSUED FOR	DESCRIPTION
0	11/02/20	ISSUED FOR EXEMPT REVIEW	ISSUE/REVISION DESCRIPTION

PROJECT: EAST BARRACKS RAIL YARD
TRENTON, NJ
TITLE: PROPOSED SAMPLE GRID
AND PERIMETER LOCATIONS
PHASE 1 (SHEET 1 OF 2)

CLIENT:
NATIONAL RAILROAD
PASSENGER CORPORATION
(AMTRAK)
NEW YORK, NY

SEAL: RICHARD W. CHAPIN
NJ PROFESSIONAL ENGINEER
LICENSE NUMBER GE271960

DESIGNED BY: RWC DRAWN BY: PJK
CHECKED BY: MBL DATE: 01/16/20
SCALE: 1"=50' REVISION: 0
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
PROJECT NUMBER: 277710568
DRAWING NUMBER:
SHEET NUMBER: FIGURE 1

ESTIMATED EXCAVATION QUANTITIES

Area ID	PCB (mg/kg)	Area (sf)	Depth (ft)	Volume (cy)
EX-6	< 50 - ≥ 1	5895	2	437
EX-7	≥ 50	1425	2	106
EX-8	< 50 - ≥ 1	6528	2	484
EX-9	≥ 50	1760	2	130
EX-10	≥ 50	973	4	144
EX-11	≥ 50	6245	2	463
EX-12	< 50 - ≥ 1	7447	2	552
EX-13	< 50 - ≥ 1	5558	4	823
EX-14	≥ 50	2883	4	427
OFFSITE AOC-2A	≥ 0.2	1507	4	223
OFFSITE AOC-2B	≥ 0.2	10480	4	1553

NOTE:
ON-SITE EXCAVATION AREAS 6 THRU 14 AND OFF-SITE EXCAVATION AREA AOC2A AND AOC2B ARE COVERED UNDER PHASE 1 WORK

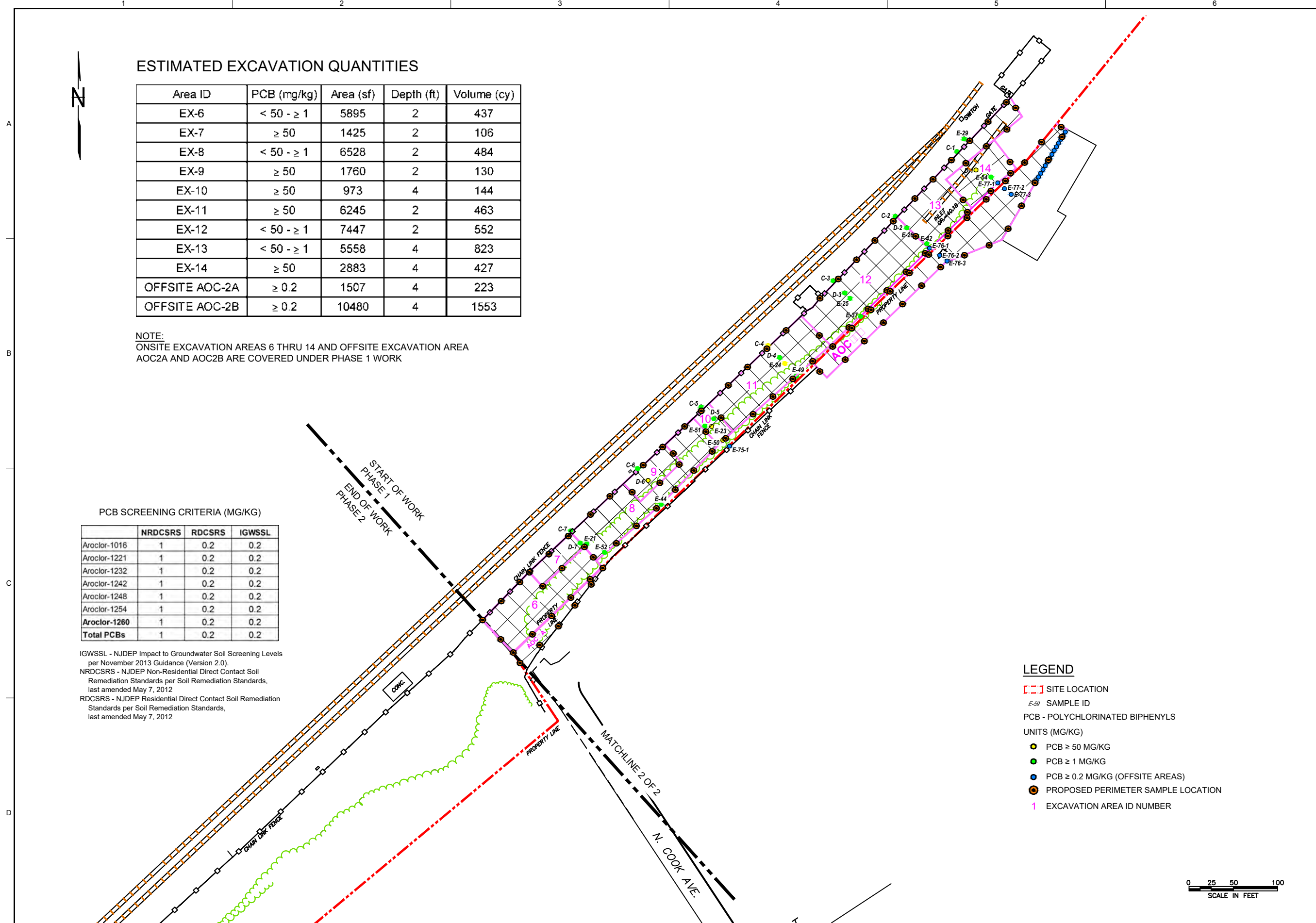
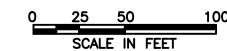
PCB SCREENING CRITERIA (MG/KG)

	NRDCSRS	RDCSRS	IGWSSL
Aroclor-1016	1	0.2	0.2
Aroclor-1221	1	0.2	0.2
Aroclor-1232	1	0.2	0.2
Aroclor-1242	1	0.2	0.2
Aroclor-1248	1	0.2	0.2
Aroclor-1254	1	0.2	0.2
Aroclor-1260	1	0.2	0.2
Total PCBs	1	0.2	0.2

IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended May 7, 2012
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended May 7, 2012

LEGEND

- ▭ SITE LOCATION
- E-59 SAMPLE ID
- PCB - POLYCHLORINATED BIPHENYLS
- UNITS (MG/KG)
- PCB ≥ 50 MG/KG
- PCB ≥ 1 MG/KG
- PCB ≥ 0.2 MG/KG (OFFSITE AREAS)
- PROPOSED PERIMETER SAMPLE LOCATION
- 1 EXCAVATION AREA ID NUMBER



ESTIMATED EXCAVATION QUANTITIES

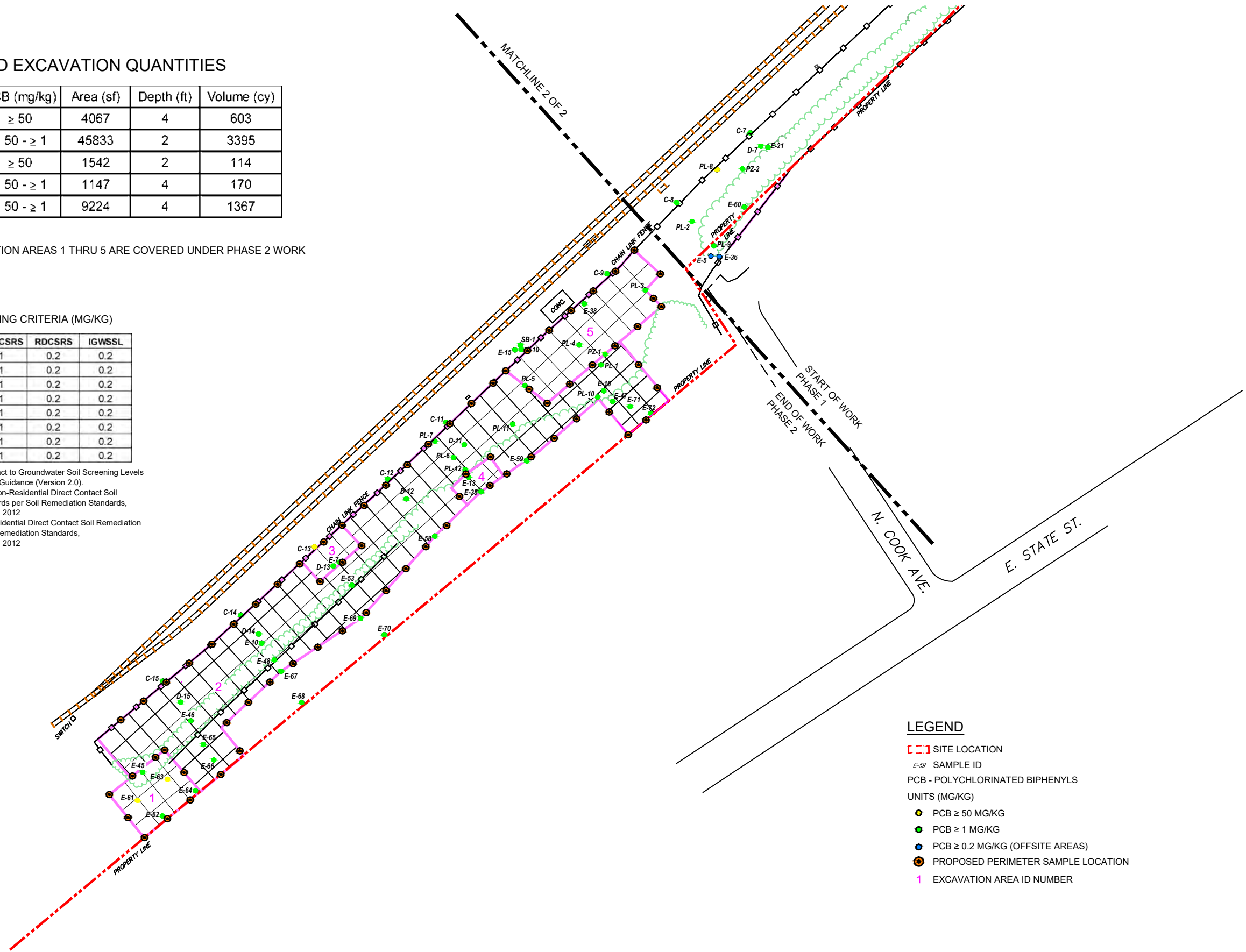
Area ID	PCB (mg/kg)	Area (sf)	Depth (ft)	Volume (cy)
EX-1	≥ 50	4067	4	603
EX-2	< 50 - ≥ 1	45833	2	3395
EX-3	≥ 50	1542	2	114
EX-4	< 50 - ≥ 1	1147	4	170
EX-5	< 50 - ≥ 1	9224	4	1367

NOTE:
ONSITE EXCAVATION AREAS 1 THRU 5 ARE COVERED UNDER PHASE 2 WORK

PCB SCREENING CRITERIA (MG/KG)

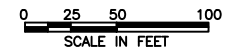
	NRDCSRS	RDCSRS	IGWSSL
Aroclor-1016	1	0.2	0.2
Aroclor-1221	1	0.2	0.2
Aroclor-1232	1	0.2	0.2
Aroclor-1242	1	0.2	0.2
Aroclor-1248	1	0.2	0.2
Aroclor-1254	1	0.2	0.2
Aroclor-1260	1	0.2	0.2
Total PCBs	1	0.2	0.2

IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
NRDCSRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended May 7, 2012
RDCSRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards, last amended May 7, 2012



LEGEND

- [Red dashed box] SITE LOCATION
- E-59 SAMPLE ID
- PCB - POLYCHLORINATED BIPHENYLS
- UNITS (MG/KG)
- [Yellow circle] PCB ≥ 50 MG/KG
- [Green circle] PCB ≥ 1 MG/KG
- [Blue circle] PCB ≥ 0.2 MG/KG (OFFSITE AREAS)
- [Orange circle] PROPOSED PERIMETER SAMPLE LOCATION
- 1 EXCAVATION AREA ID NUMBER



ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 303-9500

NJ Certificate of Authorization
Number 24GA28010900

REV	DATE	DESCRIPTION
0	1/16/2020	ISSUED FOR CLIENT REVIEW

PROJECT: EAST BARRACKS RAIL YARD
TRENTON, NJ
TITLE: PROPOSED SAMPLE GRID
AND PERIMETER LOCATIONS
PHASE 2 (SHEET 2 OF 2)

CLIENT: NATIONAL RAILROAD
PASSENGER CORPORATION
(AMTRAK)
NEW YORK, NY

DESIGNED BY: RWC
DRAWN BY: PJK
CHECKED BY: MBL
DATE: 01/16/20
SCALE: 1"=50'
REVISION: 0

PROJECT NUMBER: 277710568
DRAWING NUMBER:
SHEET NUMBER: FIGURE 2



wood.

Appendix A



wood.

Appendix B

AIR MONITORING LOG

Instrument Identification and Source			
	Photolionization Detector	Lamp	Dust Monitor
P1		eV	M1
P2		eV	M2
P3		eV	M3
P4		eV	M4

Date _____
 Proj. No. _____
 Site Name _____
 Project _____
 Technician _____
 Weather _____

Time	Temp	Barometric		Prevailing Wind		Monitor Type	Units	Instrument Reading				Comments and Observations
		Humidity	Pressure	Dir.	Speed			1	2	3	4	
:						PID	ppm					
						MiniRAM	mg/m ³					
:						PID	ppm					
						MiniRAM	mg/m ³					
:						PID	ppm					
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:						PID	ppm					
						MiniRAM	mg/m ³					
:						PID	ppm					
						MiniRAM	mg/m ³					

Instructions

Instrument Identification and Source: Record identification number fixed to instrument. If no identification number is clearly visible, record serial number and indicate with "S/N". Identify source of equipment (i.e. "AMEC" or name of company from which the device was rented) and for PID the size of the lamp. To avoid repetition, it is permissible to reference a previous log by specific date. However, it is recommended that each monitor be tagged with a project-specific instrument number (i.e. "P1").

Source: Identify source of instrument (i.e. "AMEC" or identify company from which the device was rented)

Lamp: Indicate power of infrared lamp in PID (i.e. 10.7 eV or 11.8 eV)

Field Team: Provide full names of all AMEC personnel in the work area and any other persons who might record data along

Recorded By: Initials of person taking reading. An entry of " " is permissible to indicate same as above

Location: Identify work location, for example "North Station". An entry of " " is permissible to indicate same as above

Time: Record readings approximately every 30 minutes. Use military time, i.e. 20:00, not 8:00 pm

Dir.: Indicate prevailing wind direction during sampling activities. Any change in wind direction during sampling should be noted in Comments and Observations section.

Speed: Indicate qualitative wind speed: "No Wind" "Slight" "Moderate" or "Strong"

Inst. No. Identify the instrument being used based on Instrument Identification and Source (i.e. "P1" is the first PID on the list)

Work Zone: Record instrument readings in worker breathing zone, approximately 5 feet above ground level at location of worker nearest potential source area

Downwind: Record instrument readings in breathing zone at downwind boundary of Exclusion Zone

Other: Record readings from other locations (if monitored), such as site background, upwind boundary of Exclusion Zone and/or distance and direction outside Exclusion Zone. Describe location under comments and observations section.

Comments and Observations: Record pertinent comments including instrument performance, changes in background and identification of potential sources.



wood.

Appendix C

**Table 2 QAPP Worksheet All Matrices – Metals (ICP) USEPA SW-846 6010C
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	Linear Dynamic Range (LDR)	At a minimum the LDR should be check every 6 months	A minimum of 3 different concentration standards across the ICP range one should be near the upper limit of the range.	NA	Analyst
Accuracy	A	Initial Calibration	Daily prior to sample analysis	Minimum of a calibration blank plus a standard per manufacturing recommended procedures; RL standard may be included in multi-point calibration curve; linear curve fit with correlation coefficient ≥ 0.998 .	Re-optimize instrument and re-calibrate, repeat until successful	Analyst
Accuracy	A	Initial Calibration Verification (ICV)	Daily after calibration	Separate-source from calibration standards; must contain all target analytes ICV: 90-110% recovery	Re-analyze; if still out, Re-calibrate as required by method; suspend all analysis until ICV meets criteria	Analyst
Sensitivity	A	Low Level Initial Calibration Verification	For method 6010C, LLICV must be analyzed at the beginning of the run before any samples and at the end of the run.	Same source as calibration standards; must contain all target analytes at the RL 70-130% recovery	Re-analyze. If still out, Re-calibrate/re-analyze. Suspend all analyses until LLICV meets criteria unless all results > 10x RL	Analyst

**Table 2 QAPP Worksheet All Matrices – Metals (ICP) USEPA SW-846 6010C
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	Initial Calibration Blanks (ICB)	After ICV	Must be matrix-matched (and same conc. of acid found in standards and samples); ICB: < ± RL	Re-analyze ; if still out, Re-calibrate and reanalyze.	Analyst
Accuracy	A	Continuing Calibration Verification (CCV)	1 every 10 samples and at end of run	Same source as calibration standards; conc. near mid-point of calibration curve; must contain all target analytes CCV: 90 - 110% recovery	Re-analyze; if still out, Re-calibrate and reanalyze. All samples since last acceptable CCV	Analyst
Sensitivity	A	Low Level Continuing Calibration Verification	For method 6010C, LLCCV must be analyzed at the beginning of the run before any samples and at the end of the run.	Same source as initial calibration standards; must contain all target analytes at the RL 70-130% recovery	Re-analyze. If still out, Re-calibrate/re-analyze. Suspend all analyses until LLICV meets criteria unless all results > 10x RL	Analyst
Sensitivity	A	Continuing Calibration Blanks (CCB)	After each CCV	Must be matrix-matched (and same conc. of acid found in standards and samples); CCB: < ± RL	Re-analyze ; if still out, Re-calibrate and reanalyze.	Analyst
Accuracy & Sensitivity (Contamination)	A	Method Blank (MB)	1 per digestion batch - not to exceed 20 field samples	Must be digested with samples using same preparation method and amount of acids; MB: < RL	Re-analyze; if still out redigest & re-analyze all samples unless all detected results > 10x MB level	Analyst

**Table 2 QAPP Worksheet All Matrices – Metals (ICP) USEPA SW-846 6010C
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	Interference Check Standards (ICSA and ICSAB)	Daily after calibration	ICSA & ICSB: 80-120% recovery ICSA: non-spiked analytes $\leq 2x$ RL	Re-analyze; if still out, adjust interference and background correction, and/or linear ranges as needed & recalibrate and reanalyze all field samples since last complaint ICSA & ICSB	Analyst/Data Reviewer
Accuracy	A	Laboratory Control Sample (LCS)	1 per digestion batch - not to exceed 20 field samples	Must contain all target analytes and be matrix-specific; Aq. LCS: 80-120% recovery; Soil/Sediment/sol-id LCS: vendor control limits (95% confidence limits)	Re-analyze, if still out' redigest & Re-analyze LCS & all field samples in batch	Analyst/Data Reviewer
Precision	A	Sample Duplicate (DUP)	1 per ≤ 20 field samples if an MS/MSD was not performed	Must be performed on a Site field sample. For soil and aqueous samples: Results $\geq 5xRL$, RPD $\leq 20\%$ aqueous, 35% solids; Results $< 5xRL$: absolute difference between results $\leq RL$.	Re-analyze, qualify data	Analyst/Data Reviewer
Accuracy	S & A	Matrix Spike (MS) [Site-specific QC]	1 per ≤ 20 field samples	Must be performed on a Site field sample; MS: 75-125% recovery; professional judgment if sample concentration $> 4x$ spike level	Evaluate LCS, unspiked sample and qualify data	Analyst/Data Reviewer
Precision	S & A	Matrix Spike Duplicate (MSD) [Site-specific QC]	1 per ≤ 20 field samples	Must be performed on a Site field sample. For soil and aqueous samples: Results $\geq 5xRL$, RPD $\leq 20\%$ aqueous, 35% solids; Results $< 5xRL$: absolute difference between results $\leq RL$.	Lab narrates outlier; qualify data	Analyst/Data Reviewer

**Table 2 QAPP Worksheet All Matrices – Metals (ICP) USEPA SW-846 6010C
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	Post digestion spike	1 per ≤ 20 field samples if less than acceptable accuracy and precision data are generated	Should be performed if MS/MSD recoveries were unacceptable: 80-120% recovery	Lab narrates outlier; qualify data	Analyst/Data Reviewer
Accuracy	A	Serial Dilution	1 per ≤ 20 field samples if less than acceptable accuracy and precision data are generated	Perform 5x dilution on same sample used for MS % Difference ≤ 10% for results >10x RL.	Lab narrates outlier qualify data	Analyst/Data Reviewer
Accuracy	A	Quantitation	Not applicable	RL ≤ results ≤ linear calibration range on a sample-specific basis. Report all Aq. results in µg/L or mg/L and all Soil/Sediment results in mg/Kg on a dry-weight basis.	Perform dilution to bring analyte within linear range; report from diluted analysis	Analyst/Data Reviewer
Overall Precision & Representativeness	S & A	Field Duplicate Sample [Site-specific QC]	1 per 20 field samples	Aq.: Results ≥ 5xRL: RPD ≤ 30%; Results < 5xRL: professional judgment; Soil/Sediment: Results ≥ 5xRL: RPD ≤ 50%; Results < 5xRL: professional judgment	Potential data usability issue; indication of sample heterogeneity	Data Reviewer
Accuracy (preservation)	S & A	Sample preservation	every field sample	Aq.: Total Metals: HNO ₃ pH < 2; (Dissolved Metals: filter on site or at the lab then HNO ₃ pH < 2 but cannot be used for regulatory compliance) Soil/Sediment: collect unpreserved per SW-846 Chapter 3 Table 3-2	Lab narrates outlier. Potential data usability issue	Data Reviewer
Data Completeness	S & A	Calculate from valid/usable data collected	Not applicable	Minimum ≥ 90% Overall	Potential data usability / data gap issue	Data Reviewer/ Investigator

**Table 2 QAPP Worksheet All Matrices – Metals (ICP) USEPA SW-846 6010C
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy/ Sensitivity	S & A	Holding Time (HT)	every field sample	For aqueous and soil samples six months. If Soil/Sediment samples are frozen, HT arrested and HT begins when thawed. Samples can be maintained frozen for 1 year from collection.	Lab narrates outlier. Potential data usability issue	Data Reviewer
Accuracy & Sensitivity (Contamination)	S & A	Equipment Rinsate Blank (EB)	Not Required if using dedicated sampling equipment. If performing decontamination of equipment, collect 1 EB per 20 field samples collected by the same method	Aqueous EB: < RL Soil/Sediment EB <RL on solid equivalent basis	Aqueous Potential data usability issue, Soil/Sediment: non-matrix matched aqueous EB use professional judgment	Data Reviewer
Comparability	S & A	Based on Method (SOP) and QAPP/FSP protocols	Not applicable	Comparison between historical data for qualitative integrity of the data. Comparison between spatially similar samples.	Potential data usability issue	Data Reviewer/ Investigator

NOTES:

1. This table was prepared by NJDEP, January 2012 to be compliant with EPA Region 2 guidance and meet the data quality needs of the Department.
2. Method References = USEPA SW-846 Method 6010C (*Inductively Coupled Plasma-Mass Spectrometry*, Revision 3 February 2007).

**Table 5 QAPP Worksheet All Matrices - Pesticides USEPA SW-846 8081A & B
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy/ Sensitivity	A	Method Blank	1 per extraction batch of up to 20 field samples (matrix-specific)	All Target compounds < RL, surrogates in criteria	Reanalyze and, if necessary, re-extract. Report non-conformance in narrative; compounds present in blank should be flagged "B" in samples, if detected.	Analyst
Accuracy	A	Matrix Spike/ Matrix Spike Duplicate [Site-specific QC]	1 per ≤ 20 field samples	Must contain all single-component target analytes, performed on Site field sample; 30-150% recovery for all compounds.	Evaluate LCS, unspiked sample, reanalyze, if necessary, and qualify data and narrate issue	Analyst/Data Reviewer
Precision	A	Matrix Spike/ Matrix Spike Duplicate [Site-specific QC]	1 per ≤ 20 field samples	Must contain all single-component target analytes, performed on Site field sample; 30-150% recovery for all compounds; RPD ≤ 30% for solids and RPD ≤ 20% for waters	Reanalyze, if necessary, qualify data and narrate issues of non-conformance	Analyst/Data Reviewer
Accuracy	A	Laboratory Control Sample (LCS)	1 per extraction batch of up to 20 samples	Must contain all single-component target analytes, concentration should be the same as MS if appropriate, be matrix-matched, 40-140% recovery for all target analytes.	Reanalyze, if necessary, qualify data and narrate issues of non-conformance	Analyst/Data Reviewer
Precision	A	Sample Duplicate (DUP)	1 per ≤ 20 field samples if an MS/MSD was not performed	Must be performed on a site sample, RPD ≤ 30% for solids and RPD ≤ 20% for waters for results > 2x RL	Reanalyze, if necessary, qualify data and narrate issues of non-conformance	Analyst/Data Reviewer
Accuracy	A	Surrogates	Every sample including QC	Minimum of 2 (recommend TCMX and DCB); 30-150% recovery on both GC columns	Reanalyze, if necessary, qualify data	Analyst/Data Reviewer

**Table 5 QAPP Worksheet All Matrices - Pesticides USEPA SW-846 8081A & B
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	Internal Standards (IS) (optional)	Every sample including QC (optional)	Minimum of 1 IS , Areas 50-200% of CCV; RTs \pm 30 sec from ICAL	Reanalyze and qualify data	Analyst/Data Reviewer
Accuracy	A	Endrin/DDT Breakdown	Before samples are analyzed and at the beginning of each 12 hour shift	% Breakdown \leq 15% based on peak areas	Perform instrument maintenance; reanalyze until acceptable	Analyst
Accuracy	A	Initial Calibration (ICAL)	Initially and when CCV fails	Minimum 5-levels for single-component analytes and single-level for multi-component analytes using peak height or peak area; must contain all targets and lowest level \leq RL; %RSD \leq 20% or "r" \geq 0.99 for all compounds; regression analysis, if used, must not be forced through the origin	Recalibrate as required by method; analysis cannot proceed without a valid initial calibration	Analyst
Accuracy	A	Continuing Calibration Verification(CCV)	Prior to samples, every 12 hours or every 20 samples, whichever is more frequent, and at the end of the analytical sequence	Concentration level near mid-point of ICAL curve containing all single-component target compounds; %D \leq 20% and analytes fall within expected retention time windows; Multi-component analytes must be verified within 12 hours of being detected in a sample	Recalibrate as required by method; note outliers in narrative.	Analyst

**Table 5 QAPP Worksheet All Matrices - Pesticides USEPA SW-846 8081A & B
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	Quantitation	Every sample	RL ≤ results ≤ upper calibration range on a sample-specific basis; average response factors or curve-statistics generated from the ICAL must be used for quantitation and peak height or peak area, as used for ICAL, must be used for sample. Report the highest concentration from the two GC columns and results reported between the MDL and RL qualified "J"	Perform dilution to bring analyte within linear range, qualify data	Analyst/Data Reviewer
Precision	A	Quantitation	Every sample	RPD or %D ≤ 40% between two dissimilar GC Columns	Qualify result and narrate issue except if %D > 100%, then analyze sample at a secondary dilution and qualify data as necessary.	Analyst and Data Reviewer
Sensitivity	A	Reporting of Non-Detects	Every sample	Reported at the sample-specific RL which must be ≤ PRL	Potential data usability issue	Data Reviewer
Overall Precision & Representativeness	S & A	Field Duplicate Samples [Site-specific QC]	1 per 20 field samples	RPD ≤ 30% for waters or RPD ≤ 50% for solids w/results > 2x RL; Professional judgment for results < 2xRL	Potential data usability issue	Data Reviewer
Accuracy (preservation)	S	Temperature Blank or other Cooler Temperature Reading	1 Temperature reading per cooler to be recorded upon receipt at lab	Cool to ≤ 6° C; allow for < 2° C if samples intact	Potential data usability issue	Data Reviewer

**Table 5 QAPP Worksheet All Matrices - Pesticides USEPA SW-846 8081A & B
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy/ Sensitivity	S & A	Holding Time (HT)	Every field sample	Aqueous samples extracted within 7 days of collection; extract analyzed within 40 days of extraction. Soil/Sediment samples extracted within 14 days of collection; extract analyzed within 40 days of extraction. If Soil/Sediment samples are frozen, HT arrested and extraction HT continues when thawed. Solid samples can be maintained frozen for 1 year from collection.	Potential data usability issue	Data Reviewer
Accuracy/ Sensitivity	S	Equipment Blank [Site-specific QC]	Not Required if using dedicated sampling equipment. If performing decon, collect 1 EB per 20 field samples collected by the same method	Target analytes < RL	Potential data usability issue	Data Reviewer
Data Completeness	S & A	Calculate from valid/usable data collected	Not applicable	≥ 90% Overall	Potential data usability / data gap issue	Data Reviewer / Investigator
Comparability	S & A	Based on Method (SOP) and QAPP/FSP protocols	Not applicable	Comparison between historical data for qualitative integrity of the data. Comparison between spatially similar samples.	Potential data usability issue	Data Reviewer / Investigator

NOTES:

1. This table was prepared by NJDEP, April 2014 to be compliant with EPA Region 2 guidance, and meet the data quality needs of the Department.

2. Pesticide Compound analyses via USEPA SW-846 Method 8081A&B (*Quality Assurance and Quality Control Requirements for SW-846 Method 8081A and 8081B Chlorinated Pesticides by Gas Chromatography [GC]*).

**Table 6 QAPP Worksheet All Matrices (combined) - PCB Aroclors USEPA SW-846 8082 and 8082A
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy/ Sensitivity	A	Method Blank	1 per extraction batch of up to 20 field samples (matrix-specific)	All Target compounds < RL, surrogates in criteria	Reanalyze and, if necessary, re-extract. Report non-conformance in narrative; compounds present in blank should be flagged "B" in samples, if detected.	Analyst
Accuracy	A	Matrix Spike/ Matrix Spike Duplicate [Site-specific QC]	1 per ≤ 20 field samples	Must contain Aroclors 1016 and 1260, performed on Site field sample, 40-140% recovery	Evaluate LCS, unspiked sample, reanalyze, if necessary, and qualify data and narrate issue	Analyst/Data Reviewer
Precision	A	Matrix Spike/ Matrix Spike Duplicate [Site-specific QC]	1 per ≤ 20 field samples	Must contain Aroclors 1016 and 1260, performed on Site field sample; 40-140% recovery; RPD ≤ 30% for solids and RPD ≤ 20% for waters	Reanalyze, if necessary, qualify data and narrate issues of non-conformance	Analyst/Data Reviewer
Accuracy	A	Laboratory Control Sample (LCS)	1 per extraction batch of up to 20 samples	Must contain Aroclors 1016 and 1260, be matrix-matched, 40-140% recovery	Reanalyze, if necessary, qualify data and narrate issues of non-conformance	Analyst/Data Reviewer
Precision	A	Sample Duplicate (DUP)	1 per ≤ 20 field samples if an MS/MSD was not performed	Must be performed on a Site samples;, RPD ≤ 30% for solids and RPD ≤ 20% for waters for results > 2x RL	Reanalyze, if necessary, qualify data and narrate issues of non-conformance	Analyst/Data Reviewer

**Table 6 QAPP Worksheet All Matrices (combined) - PCB Aroclors USEPA SW-846 8082 and 8082A
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	Surrogates	Every sample including QC	Minimum of 2 (recommend TCMX and DCB); 30-150% recovery on both GC columns	Reanalyze, if necessary, qualify data	Analyst/Data Reviewer
Accuracy	A	Initial Calibration (ICAL)	Initially and when CCV fails	Minimum 5-levels for Aroclors 1016 and 1260 and single-level at mid-point concentration for other Aroclors; 3-5 peaks of each Aroclor evaluated using peak height or peak area; lowest level \leq RL; other Aroclors may be warranted for 5 point calibration if PCB contamination is known. %RSD \leq 20% or "r" \geq 0.99 for Aroclors 1016 and 1260; regression analysis, if used, must not be forced through the origin.	Recalibrate as required by method; analysis cannot proceed without a valid initial calibration	Analyst
Accuracy	A	Continuing Calibration Verification (CCV)	Prior to samples, every 12 hours or every 20 samples, whichever is more frequent, and at the end of the analytical sequence	Concentration level near mid-point of ICAL curve containing Aroclors 1016 and 1260; %D \leq \pm 20% and analytes fall within expected retention time windows; Aroclors other than 1016 and 1260 must be verified within 12 hours of being detected in a sample (unless I.S. quant technique is used)	Recalibrate as required by method; note outliers in narrative.	Analyst

**Table 6 QAPP Worksheet All Matrices (combined) - PCB Aroclors USEPA SW-846 8082 and 8082A
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	Quantitation	Every sample	RL \leq results \leq upper calibration range on a sample-specific basis; average response factors or curve-statistics generated from the ICAL must be used for quantitation and peak height or peak area, as used for ICAL, must be used for sample. Report the highest concentration from the two GC columns and results reported between the MDL and RL qualified "J"	Perform dilution to bring analyte within linear range, qualify data	Analyst/Data Reviewer
Precision	A	Quantitation	Every sample	RPD or %D \leq 40% between two dissimilar GC Columns	Qualify result and narrate issue except if %D > 100% then analyze sample at a secondary dilution and qualify data as necessary.	Analyst and Data Reviewer
Sensitivity	A	Reporting of Non-Detects	Every sample	Reported at the sample-specific RL which must be \leq PRL	Potential data usability issue	Data Reviewer
Overall Precision & Representativeness	S & A	Field Duplicate Samples [Site-specific QC]	1 per 20 field samples	RPD \leq 30% for waters or RPD \leq 50% for solids w/results > 2x RL; Professional judgment for results < 2xRL	Potential data usability issue	Data Reviewer
Accuracy (preservation)	S	Temperature Blank or other Cooler Temperature Reading	1 Temperature reading per cooler to be recorded upon receipt at lab	Cool to \leq 6° C; allow for < 2° C if samples intact	Potential data usability issue	Data Reviewer

**Table 6 QAPP Worksheet All Matrices (combined) - PCB Aroclors USEPA SW-846 8082 and 8082A
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy/ Sensitivity	S & A	Holding Time (HT)	Every field sample	Aqueous samples extracted within 7 days of collection; extract analyzed within 40 days of extraction. Soil/Sediment samples extracted within 14 days of collection; extract analyzed within 40 days of extraction. If Soil/Sediment samples are frozen, HT arrested and extraction HT continues when thawed. Samples can be maintained frozen for 1 year from collection.	Potential data usability issue	Data Reviewer
Accuracy/ Sensitivity	S	Equipment Blank [Site-specific QC]	Not Required if using dedicated sampling equipment. If performing decontamination of equipment, collect 1 EB per 20 field samples collected by the same method.	Target analytes < RL	Potential data usability issue	Data Reviewer
Data Completeness	S & A	Calculate from valid/usable data collected	Not applicable	≥ 90% Overall	Potential data usability / data gap issue	Data Reviewer / Investigator
Comparability	S & A	Based on Method (SOP) and QAPP/FSP protocols	Not applicable	Comparison between historical data for qualitative integrity of the data. Comparison between spatially similar samples.	Potential data usability issue	Data Reviewer / Investigator

NOTES:

1. This table was prepared by NJDEP, April 2014 to be compliant with EPA Region 2 guidance, and meet the data quality needs of the Department

2. PCB Aroclor Compound analysis via USEPA SW-846 Method 8082 and 8082A (*Quality Assurance and Quality Control Requirements for SW-846, Polychlorinated Biphenyls (PCBs) by Gas Chromatography [GC]*).

**Table 9 QAPP Worksheet All Matrices - Mercury SW-846 Method 7471B and 7470A
Measurement Performance Criteria & QC Samples Table– Mercury**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	Initial Calibration	Daily prior to sample analysis	Minimum of 5 calibration levels plus blank; low level standard at level of RL; linear regression with a correlation coefficient $r \geq 0.995$	Re-optimize instrument and re-calibrate, repeat until successful	Analyst
Accuracy	A	Initial Calibration/ Initial Calibration Verification (ICV)	Daily after calibration	Separate-source from calibration standards; ICV: 90-110% recovery	Re-analyze; if still out, Re-calibrate as required by method; suspend all analysis until ICV meets criteria	Analyst
Accuracy	A	Continuing Calibration Verification (CCV)	1 of every 10 samples and at end of run	Same source as calibration standards; conc. near mid-point of calibration curve; CCV: -80 - 120% recovery	Re-analyze and, if still out, Re-calibrate and Re-analyze all samples since last acceptable CCV	Analyst
Sensitivity	A	Initial and Continuing Calibration Blanks (ICB and CCB)	After ICV and after each CCV	Must be matrix-matched (and same conc. of acid found in standards and samples); CCB: $< \pm RL$	Re-analyze; if still out, Re-calibrate, reanalyze.	Analyst
Sensitivity	A	Low Level Calibration Check Standard	Daily only if RL standard is not included in initial calibration	Low Level Check Standard: 70-130% recovery	Recalibrate/reanalyze unless all results $> 10x RL$	Analyst
Accuracy & Sensitivity (Contamination)	A	Method Blank (MB)	1 per digestion batch - not to exceed 20 field samples	Must be digested with samples using same preparation method and amount of acids; MB: $< RL$	Re-analyze; if still out redigest & re-analyze all samples unless all detected results $> 10x MB$ level	Analyst

**Table 9 QAPP Worksheet All Matrices - Mercury SW-846 Method 7471B and 7470A
Measurement Performance Criteria & QC Samples Table– Mercury**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	Laboratory Control Sample (LCS)	1 per digestion batch - not to exceed 20 field samples	Must be matrix-specific; aqueous LCS: 80-120% recovery; Soil/Sediment LCS vendor control limits (95% confidence)	Re-analyze, if still out; redigest (soil/sed.) & Re-analyze LCS & all field samples in batch	Analyst/ Data Reviewer
Precision	A	Sample Duplicate (DUP)	1 per ≤ 20 field samples if an MS/MSD was not performed	Must be performed on a Site field sample. Aq.: Results RPD ≤ 20%; Soil/Sediment: Results, RPD ≤ 35%;	Re-analyze, qualify data	Analyst/ Data Reviewer
Accuracy	S & A	Matrix Spike (MS) [Site-specific QC]	1 per ≤ 20 field samples	Must be performed on a Site field sample; MS: 75-125% recovery; professional judgment if sample concentration > 4x spike level	Evaluate LCS, unspiked sample, re-analyze, if necessary, and qualify data	Analyst/ Data Reviewer
Precision	S & A	Matrix Spike Duplicate (MSD) [Site-specific QC]	1 per ≤ 20 field samples	Must be performed on a Site field sample Aq.: Results ≥ 5xRL, RPD ≤ 20%; Results < 5xRL: absolute difference between results ≤ RL. Soil/Sediment: Results ≥ 5xRL, RPD ≤ 35%; Results < 5xRL: absolute difference between results ≤ 2xRL	Lab narrates outlier; Re-analyze, qualify data	Analyst/ Data Reviewer
Accuracy	A	Quantitation	Not applicable	RL ≤ results ≤ upper calibration range on a sample-specific basis. Report all Aq. results in µg/L or mg/L and all Soil/Sediment results in mg/Kg on a dry-weight basis.	Perform dilution to bring analyte within linear range, report from diluted analysis	Analyst/ Data Reviewer
Overall Precision & Representativeness	S & A	Field Duplicate Samples [Site-specific QC]	1 per 20 field samples	Aq.: Results ≥ 5xRL: RPD ≤ 30%; Results < 5xRL: professional judgment; Soil/Sediment: Results ≥ 5xRL: RPD ≤ 50%; Results < 5xRL: professional judgment	Potential data usability issue; indication of sample heterogeneity	Data Reviewer

**Table 9 QAPP Worksheet All Matrices - Mercury SW-846 Method 7471B and 7470A
Measurement Performance Criteria & QC Samples Table– Mercury**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy (preservation)	S & A	Temperature Blank or other Cooler Temperature Reading	1 Temperature reading per cooler to be recorded upon receipt at lab	Soil/Sediment: ≤ 6° C per SW-846 Chapter 3 Table 3-2 but allow for < 2° C if freezing samples are intact	Lab narrates outlier; Potential data usability issue	Data Reviewer
Accuracy (preservation)	S & A	Sample preservation	Every field sample	Aq.: Total Metals: HNO ₃ pH < 2; (Dissolved Metals: filter on site or at the lab then HNO ₃ pH < 2 but cannot be used for regulatory compliance) Soil/Sediment: collect unpreserved and keep cold (see above)	Potential data usability issue	Data Reviewer
Accuracy/Sensitivity	S & A	Holding Time (HT)	Every field sample	Aqueous and Soil/Sediment: HT = 28 days from collection to analysis If Soil/Sediment samples are frozen, HT arrested and HT begins when thawed. Samples can be maintained frozen for 1 year from collection.	Lab narrates outlier; Potential data usability issue	Data Reviewer
Accuracy & Sensitivity (Contamination)	S & A	Equipment Rinsate Blank (EB)	Not Required if using dedicated sampling equipment. If performing decontamination of equipment, collect 1 EB per 20 field samples collected by the same method	Aqueous EB: < RL Soil/Sediment EB <RL on solid equivalent basis	Aqueous potential data usability issue, Soil/Sediment: non-matrix matched aqueous EB use professional judgment	Data Reviewer
Data Completeness	S & A	Calculate from valid/usable data collected	Not applicable	Minimum ≥ 90% Overall	Potential data usability / data gap issue	Data Reviewer/ Investigator

**Table 9 QAPP Worksheet All Matrices - Mercury SW-846 Method 7471B and 7470A
Measurement Performance Criteria & QC Samples Table– Mercury**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Comparability	S & A	Based on Method (SOP) and QAPP/FSP protocols	Not applicable	Comparison between historical data for qualitative integrity of the data. Comparison between spatially similar samples.	Potential data usability issue	Data Reviewer/ Investigator

NOTES:

1. This table was prepared by NJDEP, April 2014 to be compliant with EPA Region 2 guidance and meet the data quality needs of the Department.

2. Method References = USEPA SW-846 Method 7471B (*Mercury in Solid or Semisolid Waste by Manual Cold Vapor Technique*, February 2007) and USEPA SW-846 Method 7470A (*Mercury in Aqueous Samples by Manual Cold Vapor Technique*, September 1994).

**Table 14 QAPP Worksheet All Matrices -- SVOAs by USEPA SW-846 8270D
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	DFTPP Tune	Every 12 hours	Method tune criteria based on criteria in Table 3 of USEPA-SW846 Method 8270D	Perform instrument maintenance; reanalyze until acceptable	Analyst
Accuracy	A	Initial Calibration (ICAL)	Initially and when CCAL fails	Minimum 5-standards; must contain all targets and lowest standard \leq RL; <i>Full Scan</i> : RF see Table 4 for minimum RF; %RSD \leq 20% for all compounds or "r" \geq 0.99; <i>SIM</i> : %RSD \leq 20% or "r" \geq 0.99 for all compounds	Recalibrate as required by method; analysis cannot proceed without a valid initial calibration	Analyst
Accuracy/ Sensitivity	A	Method Blank	1 per extraction batch of up to 20 field samples	Must be matrix matched; Phthalates < 5xRL; All other Targets < RL, surrogates in criteria	Reanalyze and, if necessary, re-extract. Report non-conformance in narrative; compounds present in blank should be flagged "B" in samples, if detected.	Analyst
Accuracy	A	Matrix Spike/ Matrix Spike Duplicate [Site-specific QC]	1 per \leq 20 field per matrix samples	Must contain all target analytes, performed on Site field sample, % recovery 70-130% except for difficult analytes** which must exhibit % recovery between 20-160%	Evaluate LCS, unspiked sample, reanalyze, if necessary, and qualify data and Narrate issue	Analyst/Data Reviewer
Precision	A	Matrix Spike/ Matrix Spike Duplicate [Site-specific QC]	1 per \leq 20 field per matrix samples	Must contain all target analytes, performed on Site field sample, % recovery criteria same as MS. RPDs \leq 20% for waters and \leq 30% for solids	Reanalyze, if necessary, qualify data and narrate issues of non-conformance	Analyst/Data Reviewer

**Table 14 QAPP Worksheet All Matrices -- SVOAs by USEPA SW-846 8270D
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	Laboratory Control Sample (LCS)	1 per extraction batch of up to 20 samples	Must contain all target analytes, be matrix-matched; % Recovery 70-130% except for difficult analytes ** must exhibit percent recoveries between 20-160%.	Reanalyze, if necessary, qualify data and narrate issues of non-conformance	Analyst/Data Reviewer
Precision	A	Sample Duplicate (DUP)	1 per ≤ 20 field samples if an MS/MSD was not performed	Must be performed on a Site field sample. RPD ≤ 20% for waters and ≤ 30% for solids for results > 2x RL	Reanalyze, if necessary, qualify data and narrate issues of non-conformance	Analyst/Data Reviewer
Accuracy	A	Surrogates	Every sample including QC	Minimum of 3 base-neutral and 3 acid surrogates at RTs across GC run; for solids Matrices must be between 30-130% for all compounds; for water matrices 30-130% for BN surrogates and 15-110% for acid surrogates	Reanalyze, if necessary, qualify data	Analyst/Data Reviewer
Accuracy	A	Internal Standards (IS)	6 per sample including QC	Minimum of 6 IS, Areas 50-200% of the most recent t CCV standard; RTs ± 30 sec. from midpoint ICAL standard	Reanalyze and qualify data	Analyst/Data Reviewer
Accuracy	A	Continuing Calibration Verification (CCV)	1 every 12 hour prior to analysis of samples	Concentration level near mid-point of ICAL curve containing all target compounds; <i>Full Scan</i> : %D or %Drift ≤ 20% for CCCs and ≤ 30% for all other compounds; <i>SIM</i> : %D or %Drift ≤ 30%	Recalibrate as required by method; note outliers in narrative.	Analyst

**Table 14 QAPP Worksheet All Matrices – - SVOAs by USEPA SW-846 8270D
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy	A	Quantitation	Every sample	RL \leq results \leq upper calibration range on a sample-specific basis; IS must be used; and RL \leq results \leq upper calibration range on a sample-specific basis; IS must be used; and average response factors or curve-statistics generated from the ICAL must be used for quantitation. Results reported between the MDL and RL qualified "J"	Perform dilution to bring analyte within linear range, qualify data	Analyst/Data Reviewer
Sensitivity	A	Reporting of Non-Detects	Every sample	Reported at the sample-specific RL which must be \leq PRL	Potential data usability issue	Data Reviewer
Overall Precision & Representativeness	S & A	Field Duplicate Samples [Site-specific QC]	1 per 20 field samples	RPD \leq 30% for waters or RPD \leq 50% for solids w/results $>$ 2x RL; Professional judgment for results $<$ 2xRL	Potential data usability issue	Data Reviewer
Accuracy (preservation)	S	Temperature Blank or other Cooler Temperature Reading	1 Temperature reading per cooler to be recorded upon receipt at lab	\leq 6° C; allow for $<$ 2° C if samples intact sample preservation per SW-846 Chapter 4 Table 4-1	Potential data usability issue	Data Reviewer

**Table 14 QAPP Worksheet All Matrices -- SVOAs by USEPA SW-846 8270D
Measurement Performance Criteria & QC Samples**

Data Quality Indicator (DQI)	QC Measure for Sampling (S), Analytical (A), or both (S&A)	QC Sample or Activity	Frequency / Number	QC Acceptance Limits (Measurement Performance Criteria)	Corrective Action (CA)	Person(s) Responsible for CA
Accuracy/ Sensitivity	S & A	Holding Time (HT)	Every field sample	Aqueous samples extracted within 7 days of collection; extract analyzed within 40 days of extraction. Soil/Sediment samples extracted within 14 days of collection; extract analyzed within 40 days of extraction. If Soil/Sediment samples are frozen, HT arrested and extraction HT continues when thawed. Solid samples can be maintained frozen for 1 year from collection.	Potential data usability issue	Data Reviewer
Accuracy/ Sensitivity	S	Equipment Blank [Site-specific QC]	Not Required if using dedicated sampling equipment. If performing decontamination of equipment, collect 1 EB per 20 field samples collected by the same method	Target analytes < RL	Potential data usability issue	Data Reviewer
Data Completeness	S & A	Calculate from valid/usable data collected	Not applicable	≥ 90% Overall	Potential data usability / data gap issue	Data Reviewer/ Investigator
Comparability	S & A	Based on Method (SOP) and QAPP/FSP protocols	Not applicable	Comparison between historical data for qualitative integrity of the data. Comparison between spatially similar samples.	Potential data usability issue	Data Reviewer/ Investigator

NOTES:

1. This table was prepared by NJDEP, January 2011 to be compliant with EPA Region 2 guidance and meet the data quality needs of the Department.

2. Semivolatile Organic Compound analyses via USEPA SW-846 Method 8270D (*Quality Assurance and Quality Control Requirements for SW-846 Method 8270D Semivolatile Organic Compounds by Gas Chromatography/Mass Spectroscopy [GC/MS]*). 8270D:

** Potentially “difficult” analytes include: Benzenethiol, Benzoic Acid, 2,4-Dinitrophenol, 3&4 – Methylphenol, 4-Nitrophenol, Pentachlorophenol, Phenol, Aniline, Aramite, A,A-Dimethylphenethylamine, Benzidine, Benzaldehyde, Benzyl Alcohol, Caprolactam, Chlorobenzilate, 3,3'-Dimethylbenzidine, 1,4-Dioxane, 7,12-Dimethylbenz(a)anthracene, Diallylate, Dibenz(a,j)acridine, Diphenylamine, Disulfoton, p-(dimethylamine)azobenzene, Decane, Famphur, Hexachlorocyclopentadiene, Hexachloroethane, Hexachlorophene, Hexachloropropene, Kepone, 4,4'-methylenebis(2-chloroaniline), Methapyrilene, Methyl methanesulfonate, Methyl parathion, n-Nitrosodimethylamine, 4-Nitroquinoline-1-oxide, 2-Picoline, Parathion, Pentachloroethane, Pentachlorobenzene, Pentachloronitrobenzene, Phorate, Pronamide, Pyridine, p-Phenylenediamine, o-tricresyl phosphate and Tetraethyl. Please note that many of the surrogates fall outside or the 15 – 110% range 2-Fluorophenol, Phenol-d5, 2,4,6-Tribromophenol and Terphenyl-d14.

Determination of Polychlorinated Biphenyls (PCBs) as Aroclors by Gas Chromatography/Electron Capture Detection (GC/ECD)

References: Method 8082A, Rev. 1, February 2007 and Method 8000C Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Final update III, December 1996 (USEPA, Office of Solid Waste and Emergency Response, Washington, DC).

Quality Assurance and Quality Control for SW-846 Method 8082, Polychlorinated Biphenyls (PCBs) by Gas Chromatography (GC) for the Massachusetts Contingency Plan (MCP)

State of Connecticut, Department of Environmental Protection, RRCP, Version 2.0, July 2006.

Compendium Method TO10A – Determination of Pesticides and PCBs in Ambient Air Using Low Volume Polyurethane Foam (PUF) Sampling Followed by GC/ECD Detection

Compendium Method TO-4A – Determination of Pesticides and PCB's in Ambient Air Using High Volume Polyurethane Foam (PUF) Sampling Followed by Gas Chromatographic/Multi-Detector Detection (GC/MD)

1. Scope and Application

Matrices: Water, soil, sediment, sludge, product, PUF, and tissue (either animal or vegetable)

Definitions: Refer to Alpha Analytical Quality Manual.

This method is applicable to the analysis and quantification of sample extracts for Polychlorinated Biphenyls (PCB) Aroclors as Total PCB by gas chromatography/electron capture detector. See Table I for the target compound list of PCB as Aroclors with associated CAS Registry Numbers.

The sensitivity of the method usually depends on the concentration of interferences rather than on instrumental limitations. If interferences prevent detection of the analytes, the method may also be performed on samples that have undergone cleanup.

The following extraction and cleanup methods may apply, prior to sample analysis:

- *Extraction of Water Samples by Separatory Funnel* (2156),
- *Microscale Solvent Extraction - 3570* (2172)
- *Soxhlet Extraction* (2173)
- *Soxhlet Extraction of PUFs* (2167)
- *Tissue Preparation and Homogenization* (2166),
- *Shaker Table Extraction* (2261),
- *Sulfur Cleanup* (2168),
- *Sulfuric Acid Cleanup* (2169),
- *Silica Gel cleanup* (2170)
- *GPC Cleanup by HPLC* (2167)

The data report packages present the documentation of any method modification related to the samples tested. Depending upon the nature of the modification and the extent of intended use, the laboratory may be required to demonstrate that the modifications will produce equivalent results for the matrix. Approval of all method modifications is by one or more of the following laboratory personnel before performing the modification: Area Supervisor, Department Supervisor, Laboratory Director, or Quality Assurance Officer.

This method is restricted to use by or under the supervision of analysts experienced in the operation of the GC-ECD and in the interpretation of GC-ECD data. Each analyst must demonstrate the ability to generate acceptable results with this method by performing an initial demonstration of capability.

2. Summary of Method

Sample extracts are analyzed on a gas chromatograph which is fitted with two capillary columns of differing polarities each employing separate detectors. The extracts are spiked with internal standard prior to analysis. The target analytes are resolved on each column and detected using an electron capture detector (ECD). Analytes are introduced into the GC/ECD by injecting a known volume of the calibration standards, quality control samples, and sample extracts into the GC which is temperature and flow programmed to separate the analytes. Identification of target analytes is accomplished by confirming a target hit on two dissimilar columns using Retention Time (RT) and Pattern Recognition (PR). Concentrations are calculated from the ECD response using internal standard techniques. Concentrations are determined using mean Relative Response Factor derived from multi-level calibration curve.

2.1 Method Modifications from Reference

Internal standard calibration is used. The internal standard used is 1-bromo-2- nitrobenzene.

3. Reporting Limits

The Reporting Limit for aqueous samples is 0.02 ug/L for individual Aroclors. This value is based on a 1mL final volume and 500 or 1000 mL of environmental sample extracted. The Reporting Limit for solid/tissue samples is 2.5ug/kg and 15 ug/Kg for individual Aroclors. This value is based on 2 mL final volume and 10-30 grams of environmental sample extracted (wet weight) using extraction method 3570 (MSE). The reporting limit for Aroclors in PUF air samples is 20-100ng/PUF cartridge, based on the Soxhlet extraction of one low or high volume PUF and a final volume of 1mL. Detection limits will vary with the individual sample matrix, sample preparation procedures, instrument calibration range, and volume of sample analyzed.

4. Interferences

4.1 Instrumental

- 4.1.1 Only high purity gases are used in the GC system to eliminate this source of possible contamination. Both Hydrogen (carrier gas) and Nitrogen (detector make-up gas) are certified by the gas supplier.
- 4.1.2 Preventive instrument maintenance is performed routinely, and whenever highly contaminated extracts are analyzed that could result in chromatographic interferences or result in degradation of system performance.
- 4.1.3 Glassware must be scrupulously cleaned. This procedure is detailed in the Laboratory Glassware cleaning SOP/1753. Store dry glassware in a clean environment.

4.2 Parameters

- 4.2.1 Contaminants co-extracted from the sample may cause matrix interferences. The extent of matrix interferences will vary considerably from sample to sample, depending upon the nature of the environment and matrix being investigated. In some cases depending on the severity of the observed interferences, a target hit on one column may be biased high when interfered with. Skilled analyst judgment is imperative in determining if a chromatographic peak appears interfered. In these cases the non-interfered, non-biased hit can be forced for reporting purposes providing a more suitable value. In extreme cases of interference

additional cleanups can be employed, or it may be necessary to analytically re-run the sample at a dilution.

- 4.2.2 The ECD is theoretically a halogen specific detector. However, phthalate esters can be a major source of contamination in that they do respond to the ECD and can interfere with accurate determination of the analytes of interest. No forms of plastic or any material containing plasticizers (phthalates) should be used in conjunction with any part of this analysis.
- 4.2.3 Elemental sulfur is readily extracted from soil samples and may cause chromatographic interferences in the determination of pesticides. Sulfur can be removed through the use of Method 3660B. In addition, all samples for PCB analysis are acid cleaned following Method 3665A. Associated SOPs are noted in Section 1.0, above.
- 4.2.4 Care must be taken to ensure a complete hexane exchange is performed on the extract, because residual methylene chloride would be an interferent in the analysis. Residual methylene chloride can also damage the electron capture detectors.
- 4.2.5 The injector system of the gas chromatograph can become contaminated with non-volatile components from samples. This can act to decrease the resolution and responsiveness of the system. Maintenance of the analytical system should be performed when system performance degrades (liner changes, injection port cleaning, etc.) to avoid prolonged down time.
- 4.2.6 Aldol condensation products (4-methyl-4-hydroxy-2-pentanone and 4-methyl-3-pentene-2-one) can arise during soil extraction when using methylene chloride:acetone. These products may interfere with detection of analytes and should be monitored.
- 4.2.7 Raw GC data from all blanks, samples, and spikes must be evaluated for interferences or carryover. Contamination by carryover can occur whenever high-concentration and low-concentration samples are sequentially analyzed.
- 4.2.8 Per method 8082A each analytical column analyzing PCB's must be evaluated for the presence of coelutions amongst PCB congeners with pesticides. An aliquot of PCB pesticide LCS solution is prepared and analyzed routinely on each analytical column in the laboratory. The subsequent coelutions of these compounds are documented and stored internally in the "ECD Standard Verification Logbook" within the facility.

5. Health and Safety

The toxicity or carcinogenicity of each reagent and standard used in this method is not fully established; however, each chemical compound must be treated as a potential health hazard. From this viewpoint, exposure to these chemicals must be reduced to the lowest possible level by whatever means available. A reference file of material data handling sheets is available to all personnel involved in the chemical analysis. PCBs have been tentatively classified as known or suspected human or mammalian carcinogens. Additional references to laboratory safety are available in the Chemical Hygiene Plan. All personnel handling environmental samples known to contain or to have been in contact with municipal waste must follow safety practices for handling known disease causative agents.

- 5.1 Lab coats, safety glasses, and gloves must be worn when handling samples, extracts, standards or solvents.
- 5.2 All solvent and extract transfers must be handled in the vented bench area in the GC laboratory.

- 5.3 All stock standards, working standards, and vialled sample extracts must be placed into the waste bucket in the lab, for future disposal by the Hazardous Waste Manager. The container must be labeled properly with hazard warning labels indicating the container contents.
- 5.4 Bottles containing flammable solvents must be stored in the flammables cabinet.

6. Sample Collection, Preservation, Shipping and Handling

6.1 Sample Collection

Aqueous samples are collected in 500mL, 1L amber glass bottles and stored without preservative at 4°C

Soil/sediment/tissue samples are collected in 4-8oz. glass soil jars.

Air PUF samples are collected following the guidance in reference method TO-10A and TO-4A Compendium.

6.2 Sample Preservation

Aqueous and Air PUF samples are stored without preservative at 4°C

Tissue Samples are stored at 4°C, or if desired, frozen.

Soil/sediment samples are stored at 4°C, or if desired, frozen.

6.3 Sample Handling

The hold time for this method is 7 days for the extraction of aqueous and Air PUF samples, and 14 days for the extraction of solid and tissue samples. If a sediment or tissue samples are frozen, this suspends the holding time until removal from the freezer. All extracts must be analyzed within 40 days of the extraction date.

7. Equipment and Supplies

7.1 Gas Chromatograph, Agilent 6890, 7890: An analytical system complete with gas chromatograph configured for split-splitless injection and all required accessories including syringes, analytical columns, gases, electron capture detectors (ECD), and data system.

7.2 GC Columns: Alpha utilizes dual-column analyses. The dual-column approach involves either a single injection that is split between two columns that are mounted in a single gas chromatograph. Typical column pair used is listed below. Other columns may be used as long as method performance criteria can be met.

7.2.1 Column pair:

RTX-CLP: Cat. #11141 from Restek or equivalent; 30m, 0.32mm, 0.32µm

RTX-CLPII Cat. #11324 from Restek or equivalent; 30m, 0.32mm, 0.25µm

7.3 Guard Column:

Cat. #10027 from Restek or equivalent; 5m, 0.32mm

7.4 Class "A" Volumetric Flasks: 10mL and 25mL, for standards preparation

7.5 Syringes: 10 µL – 1000 µL

7.6 Gooseneck splitless injecton liner, Cat #20799-214.5 from Restek or equivalent

7.7 Universal "Y" Press-tight tee split: Cat. #20406 from Restek or equivalent

- 7.7 Autosampler:** Adapted onto the Gas Chromatograph. Model is HP 7890 or 6890 series autosampler with a GC autosampler controller.
- 7.8 Computer:** With Windows NT operating software utilizing HP Enviroquant G1701BA Version B.01.00 software.
- 7.9 Gases:** Hydrogen, ultra high purity grade and Nitrogen of equivalent purity. Hydrogen is generally supplied by a Proton Hogen GC 600 Hydrogen generator.
- 7.10 Glassware:** Assorted Class-A volumetric flasks consisting of 5mL through 200mL flasks with ground-glass stoppers for preparing reagents, standards, and measuring sample volumes for sample requiring dilution beyond 1:100.
- 7.11 Pipettes:** Disposable Pasteur brand, or equivalent.
- 7.12 Cahn balance:** Capable of accurate measurement to the nearest 0.001 mg.
- 7.13 Analytical balance:** Capable of accurate measurement to the nearest 0.0001 g.
- 7.14 Non-preserved, certified, pre-cleaned 40mL VOA vials,** with Teflon-lined screw caps.
- 7.15 2 mL amber and clear GC vials,** with Teflon-lined crew caps.
- 7.16 Stainless steel Spatula.**

8. Reagents and Standards

- 8.1 Solvents:** All solvent expirations determined as indicated by manufacturer guidelines.
- 8.1.1 Methylene Chloride,** ACS approved, Pesticide grade, see SOP *Reagent, Solvent, and Standard Control* (1816) for additional details regarding solvent purity.
- 8.1.2 Acetone,** ACS approved, Pesticide grade, see SOP *Reagent, Solvent, and Standard Control* (1816) for additional details regarding solvent purity.
- 8.1.3 Hexane,** ACS approved, Pesticide grade, see SOP *Reagent, Solvent, and Standard Control* (1816) for additional details regarding solvent purity.
- 8.1.4 Methanol,** Purge and Trap grade, see SOP *Reagent, Solvent, and Standard Control* (1816) for additional details regarding solvent purity.
- 8.1.5 Diethyl ether,** High purity, glass distilled
- 8.2 Primary Standard Solutions:** All Primary standard solutions are purchased from commercial vendors as flame sealed ampule certified solutions. When a flame sealed ampule primary solution is opened, it is transferred to a labeled amber 2mL vial.
- Primary Standards are stored as indicated by the vendor, away from light when not in use. Primary standards are discarded as indicated by the vendor expiration. If breakdown of a solution is observed, the solution will be discarded.
- 8.2.1 Aroclor 1016 Solution:** Obtained from Accustandard at a concentration of 100ug/mL (catalog # C-216S-H-10X-PAK) – for the calibration curve and LCS and obtained from Restek at a concentration of 1000 ug/mL (catalog # 32006) – for ICV.
- 8.2.1 Aroclor 1260 Solution:** Obtained from Accustandard at a concentration of 100ug/mL (catalog # C-260S-H-10X-PAK) – for the calibration curve and LCS and

obtained from Restek at a concentration of 1000ug/mL (catalog # C32012) – for LCS and ICV.

8.2.2 Primary source calibration solutions

<u>Compound</u>	<u>Part Number</u>
Aroclor 1016	C-261S-H-10X-PAK
Aroclor 1221	APP-9-159
Aroclor 1232	APP-9-160
Aroclor 1242	C-242S-H-10X
Aroclor 1248	C-248S-H-10X
Aroclor 1254	C-254S-H-10X
Aroclor 1260	C-260S-H-10X-PAK
Aroclor 1262	APP-9-165
Aroclor 1268	APP-9-166

8.2.3 ICV Aroclor Solutions: Obtained from Ultra at a concentration of 100ug/mL

<u>Compound</u>	<u>Part Number</u>
Aroclor 1016	32006
Aroclor 1221	PP-291
Aroclor 1232	PP-301
Aroclor 1242	PP-311
Aroclor 1248	PP-341
Aroclor 1254	PP-351
Aroclor 1260	C32012
Aroclor 1262	PP-371
Aroclor 1268	PP-381

8.2.4 **Pesticides Surrogate Standard Spiking Solution:** Obtained from Ultra at a concentration of 200ug/mL (catalog # ISM-320) – for PCB Aroclors analysis.

8.2.5 **Internal Standard Solution:** 1-Bromo-2-nitrobenzene (Ultra, Cat. #PPS-351) is used as the internal standard and is added to all single-component calibration standards and sample extracts to achieve a concentration of 0.25µg/mL.

8.3 **Stock Standard Solutions:** All Stock Standard Solutions are prepared volumetrically by diluting and mixing the appropriate primary standard solutions in hexane. Stock standards expire 1 year from the date of preparation or sooner if routine QC tests indicate a problem. All stock solutions are stored in the freezer (-20°C -10C) in 10-40mL vials depending on the amount prepared. If breakdown of a solution is observed, the solution will be discarded.

8.3.1 **Aroclor 1660 Calibration Stock Solution:** Consists of the Aroclor 1016 and 1260 from Accustandard or equivalent, mixed with the extraction surrogates (TMX and DCB), at a stock concentration of 20,000ug/L for AR1660 and 1000ug/L for surrogates, in hexane. To prepare calibration stock solution, add 1mL of *Aroclor 1016/1260 Primary Solution* at 1000ug/mL and 0.5mL of *Pesticides Surrogate Standard Spiking Solution* at 200ug/mL to a 50mL volumetric flask. Dilute to the volume with hexane.

8.3.2 **Aroclor 1660 ICV Stock Solution:** Consists of the Aroclor 1016 and 1260 from Restek or equivalent, at a stock concentration of 20,000ug/L in hexane. To prepare calibration stock solution, add 1mL of an individual *Aroclor Primary Solution* at 1000ug/mL to a 50mL volumetric flask. Dilute to the volume with hexane.

- 8.3.3 **Other Aroclors Calibration Stock Solution:** Consists of the individual Aroclor from Accustandard or equivalent at a stock concentration of 20,000ug/L, in hexane. To prepare calibration stock solution, add 1mL of an *Aroclor Primary Solution* at 1000ug/mL to a 50mL volumetric flask. Dilute to the volume with hexane.
- 8.3.4 **Other Aroclors ICV Stock Solution:** Consists of the individual Aroclor from Ultra or equivalent at a stock concentration of 10,000ug/L, in hexane. To prepare calibration stock solution, add 1mL of an *Aroclor Primary Solution* at 100ug/mL to a 10mL volumetric flask. Dilute to the volume with hexane.
- 8.3.5 **Pesticides Surrogate Stock Solution:** Consists of Pesticides Surrogates (TMX and DCB) from Ultra or equivalent, at a stock concentration of 5000ug/L. To prepare pest surrogate stock solution add 0.625 mL of *Pesticides Surrogate Standard Spiking Solution* at 200ug/L to a 25mL volumetric flask. Dilute to the volume with hexane.

8.4 Working/Spiking Standard Solutions: All working/spiking standard solutions are prepared volumetrically by diluting and mixing appropriate primary or stock standard solutions in acetone, hexane or methylene chloride. Working/Spiking standards expire 6 months from the date of preparation or sooner if routine QC tests indicate the problem. All working/spiking solutions are stored in the freezer (-20°C -10 °C) in 10-40mL vials depending on the amount prepared. All spiking solutions must be assayed for use by analysis before release to the preparation lab. **All compounds must be within 20% of their true value.** If breakdown of a solution is observed, the solution will be discarded.

8.4.1 Aroclor 1660 calibration standard solution: Consists of Aroclor 1016 and 1260 from our "Aroclor 1660 calibration stock solution" combined into one standard called Aroclor 1660 and the extraction surrogates (TMX and DCB) through dilution of Aroclor 1660 Calibration Stock solution. The extraction surrogates will only be combined with the 1660 calibration. An ICAL is run for each of the nine Aroclors before analysis. A 7 pt calibration is analyzed for the 1660 while 1pt calibration is allowed per method for the other 7 aroclors.

7-Level Curve Preparation for Aroclors

<u>Calibration Level</u>	<u>Aroclor Conc.</u>	<u>Surrogate Conc.</u>	<u>Volume of Std Added</u>	<u>Final Volume in Hexane</u>
Stock	20 00µg/L	2000µg/L		
Level1	20µg/L	2.0µg/mL	0.1mL of Level7.	10mL
Level 2	50µg/L	5.0µg/L	0.25mL of Level7	10mL
Level 3	100µg/L	10µg/mL	0.5mL of Level7	10mL
Level 4	250µg/L	25µg/mL	1.25mL of Level7	10mL
Level 5**	500µg/L	50µg/mL	1.25mL of Stock	50mL
Level 6	1000µg/L	100µg/mL	0.5mL of Stock	10mL
Level 7	2000µg/L	200µg/mL	1mL of stock	10mL

** CCV Level

8.4.2 PEST/PCB Surrogate Spike Solution: TMX and DCB obtained from All samples, blank and matrix spike are spiked with 1mL of the surrogate solution prior to extraction to monitor efficiency of sample extraction, chromatographic and calibration system. This amount may be adjusted to meet project specific concentrations, as needed.

- 8.4.3 **PCB Aroclors LCS/LCSD/MS/MSD:** Aroclor 1660 commercially obtained from Accustandard at the concentration of 10,000ug/L in Acetone. To prepare:
- Spiking solution add 1mL of each primary solution at 1000µg/mL to a 100mL volumetric flask and bring it to volume with Acetone.
- 1mL is spiked into each QC and field QC sample. This amount may be adjusted to meet project specific concentrations, as needed.
- 8.4.4 **Independent Verification Standard (ICV) for Aroclors:** This is a source separate from the calibration curve containing one of the nine Aroclors, obtained from Ultra or Restek. Prepare from Stock Solution by diluting in hexane to the concentration of 500ug/L

9. Quality Control

The laboratory must maintain records to document the quality of data that is generated. Ongoing data quality checks are compared with established performance criteria to determine if the results of analyses meet the performance characteristics of the method.

Quality Control (QC) samples are necessary to monitor both the sample extraction and instrument analysis procedures. The Quality Control samples described below are considered the method defaults, and are the minimum requirements, except where noted. Client and Project specific Data Quality Objectives (DQOs) supersede the requirements in this section where applicable. Client or Project specified DQOs shall be included, or referenced, in the final report to the client.

9.1 Blank(s)

- 9.1.1 A method blank must be extracted (spiked with surrogates and/or internal standards) and analyzed once per every 20 samples or per extraction batch, whichever is more frequent. The analysis of the method blank extract will demonstrate the background contamination.
- 9.1.2 An *acceptable* method blank should not contain any individual compound at the concentration of reporting limit, or above. All efforts must be made to identify and eliminate the source of contamination. The presence of analytes at concentrations at or above the reporting limit will warrant application of a "B" qualifier to that target compound(s) on all associated report forms, and perhaps re-extraction of all associated samples. The results are qualified with a "B" for any associated sample concentrations that are less than 10x the blank concentration for the analyte. Surrogate and internal standard recoveries must meet the QC limits for the method blank, see Section 12. Re-extraction must be initiated immediately so that the minimum of time is wasted before re-extraction can occur - if at all possible, this re-extraction should take place within holding time. Re-extraction *corrective action* that would exceed the sample holding time criteria should be discussed with the client, Laboratory Director, QA Manager, and/or Department Manager prior to implementation. Exceptions may be made with approval of the Department Manager if the samples associated with an out of control method blank are non-detect for the affected compound(s) or if the concentrations of the affected compound(s) are greater than 5x the blank level in the samples. In such cases, the sample results are accepted without corrective action for the high method blank result. The client must be notified, via the project narrative, of any method blank non-compliance associated with the sample results. Since air PUF samples cannot be re-extracted, re-analysis for confirmation of any issues must be performed. If similar results are observed, the data is reported with a narrative note discussing the non-compliance.

9.2 Laboratory Control Sample / Laboratory Control Sample (LCS / LCSD)

- 9.2.1 The LCS/ LCSD are extracted along with the samples as a measure of precision and accuracy. At a minimum, one LCS/LCSD sample set must be analyzed at a frequency of once per 20 samples, or per analytical batch, whichever is more frequent. The LCS contains Aroclor 1660.
- 9.2.2 The acceptable recovery QC limits are found in Section 12 for an aqueous, solid, and tissue LCS.
- 9.2.3 Acceptable relative percent difference (RPD) for LCS/LCSD analysis is $\pm 50\%$ for both aqueous and solid matrices. See section 12 for QA acceptance criteria. Calculate RPD as follows:

$$RPD = \frac{R1 - R2}{\frac{R1 + R2}{2}} \times 100$$

- 9.2.4 Corrective Action: Repeat analysis or check to see if an analytical error has occurred. If the LCS recovery is still out of control, re-extract and re-analyze the LCS and all samples associated with that LCS/LCSD. If the LCS/LCSD do not meet quality control criteria for recovery of some of the spike and surrogate compounds, the results for the other samples and quality control samples within the batch must be evaluated to determine if this is an isolated problem for the LCS/LCSD and whether the data should be reported with the affected LCS/LCSD. If the recoveries for all components in the LCS/LCSD are outside of criteria, the entire analytical batch should be re-extracted and re-analyzed. Exceptions may be made with approval of the Department Manager if the samples associated with the out of control LCS/LCSD are also associated with a matrix spike and matrix spike duplicate that is in control which demonstrates an isolated problem pertaining to the LCS/LCSD only. An explanation of this out of control LCS/LCSD recovery must be included in the project narrative to the client and the sample data reported with the acceptable MS/MSD results as batch QC. Since air PUF samples cannot be re-extracted, re-analysis for confirmation of any issues must be performed. If similar results are observed, the data is reported with a narrative note discussing the non-compliance.

9.3 Initial Calibration Verification (ICV)

Refer to section 10.2

9.4 Continuing Calibration Verification (CCV)

Refer to section 10.4

9.5 Matrix Spike / Matrix Spike Duplicate (MS / MSD)

- 9.5.1 MS/MSD analyses are performed once per 20 samples (5% frequency) only per client request. It is preferable to extract samples that have been selected specifically by the client. If none have been assigned then the laboratory analyst must choose a representative sample for each type of matrix prepared. The MS/MSD must be matrix specific. Aqueous and air PUF MS/MSD cannot be done unless client supplies sufficient sample. These samples are also spiked with extraction surrogate. MS/MSD are spiked with the LCS spiking solution at the same level as LCS/LCSD.

9.5.2 The acceptable recovery and RPD QC limits are found in Section 12 for an aqueous, solid, tissue and product MS/MSDs.

9.5.3 Acceptable relative percent difference (RPD) for matrix spike analysis is $\pm 50\%$ for both aqueous and solid matrices. Calculate RPD as follows:

$$\text{RPD} = \frac{R1 - R2}{\frac{R1 + R2}{2}} \times 100$$

9.5.4 Corrective Action: The recovery of the matrix spikes are evaluated relative to the what was in the unspiked sample to indicate how well the methods worked on extraction of the analytes of interest from the sample matrix. The results for the unspiked and MS/MSD samples need to be compared carefully to determine how well the spiking study worked and if there was any indication of matrix-related problems that might affect the analytical batch. Re-extraction of the sample based on the MS results is rare. Repeat analysis or check to see if an analytical error has occurred. If the % recovery or %RPD still exceeds the control limits and the associated LCS is within control, include a project narrative with the results to client noting that there may be potential matrix effects on the accuracy or precision of the affected results as evidenced by the matrix spike and matrix spike duplicate exceedance. Since air PUF samples cannot be re-extracted, re-analysis for confirmation of any issues must be performed. If similar results are observed, the data is reported with a narrative note discussing the non-compliance.

9.6 Laboratory Duplicate

9.6.1 Laboratory matrix or sample duplicates are analyzed if requested by the client. The client must supply sufficient additional sample volume for this duplicate. Duplicates are used to evaluate the precision of the method. The QC limit is 50% RPD for target compounds found above 5 times the reporting limit.

9.6.2 Corrective Action: If the %RPD exceeds the 50% control limit and the associated MS/MSD %RPD is within 50%, include a project narrative with the results to client noting that there may be potential matrix effects on the precision of the results isolated to this sample, as evidenced by the matrix duplicate exceedance and the MS/MSD acceptance. If both the sample/duplicate and the MS/MSD exceed the control limits, include a project narrative with the results to client noting that there may be potential matrix effects on the precision of the results as evidenced by the sample/duplicate and the MS/MSD exceedances. Since air PUF samples cannot be re-extracted, re-analysis for confirmation of any issues must be performed. If similar results are observed, the data is reported with a narrative note discussing the non-compliance.

9.7 Method-specific Quality Control Samples

9.7.1 Surrogates

9.7.1.1 Surrogates are monitored for recovery for all matrices. Two surrogates are used, one that elutes at the beginning and one at the end of GC run: TMX/DCB. Every sample, blank, and quality control sample (LCS, MS, MSD, Dup) must be spiked with the surrogates prior to extraction. The recovery limits are found in Section 12.

9.7.1.2 Corrective Action: Check to see if an analytical, spiking, or dilution error occurred and re-calculate. If only one surrogate falls below the recovery limit and all QC samples have acceptable recovery indicating a matrix effect isolated to the sample, the exceedance is noted, with approval of the Section Supervisor, and the results are reported to the client with a notation in the case narrative. If all surrogates are recovered below the limit or there are outliers in any QC, re-extract the sample. If re-extraction occurred beyond the holding time and the re-extract surrogates are within the QC limits, report the re-extract results along with the original results. If the surrogates are recovered below the limit in the re-extract, this confirms suspected matrix interference on the surrogates, and only the original analysis needs to be reported unless a specific QAPP requires otherwise. If the chromatogram shows obvious matrix interference, no re-analysis or re-extraction is necessary. *This decision must be made with approval of the Section Supervisor and/or Project Manager.* Surrogate outliers and sample re-extracts must be noted in the case narrative to the client.

9.7.2 Internal Standards

9.7.2.1 Internal Standards will be evaluated for relative retention time drift and relative area counts compared to the associated opening CCV. Internal standards are added to every field sample, QC sample, standard, and method blank. The internal standard retention times for associated samples should be ± 0.05 minutes relative to the retention times from the associated opening CCV. The area counts for the internal standards in the associated samples should be $\pm 50\%$ of the area of the internal standard calculated during initial calibration. The daily opening CCV IS areas are also compared to the ICAL.

9.7.2.2 Corrective Action: Check to see if an analytical, dilution or spiking error occurred. If the chromatogram shows obvious matrix interference, no re-analysis is necessary. *This decision must be made with approval of the Department Manager.* Note the exceedance in the case narrative to the client. If no obvious interference is present, re-analyze the extract. If internal standards are now within the acceptance limits, report only the re-analysis, as long as the re-analysis occurred within the 40-day analytical hold time. If the re-analysis occurred outside of the 40-day analytical hold time, both the original and re-analysis must be reported. If the internal standards again are outside the acceptance limits, after re-analysis, either within or outside of the 40-day hold time, report only the original analysis, and include a narrative to the client that the suspected matrix interference on the internal standards was confirmed by sample re-analysis. If specified by the client or project data quality objectives (DQOs) or other specifications, both results of both analysis might have to be reported.

9.7.3 Standard Reference Materials (SRMs)

9.7.3.1 Standard reference materials (SRMs) are available from the National Institute of Standards and Technology (NIST) and are extracted and analyzed with samples only on a project specific basis. For sediment and tissue sample batches, a certified SRM will be analyzed at the rate of one per batch of up to 20 samples per matrix. These are not used as controls, but to evaluate potential matrix effects in associated samples for the target compounds being evaluated.

- 9.7.3.2 Measured results will be compared against certified values for those target analytes that are certified in these SRMs as follows. Acceptance criteria for SRM analysis will vary from project to project depending upon client data quality objectives (DQOs). Generally, $\pm 50\%$ difference (%D) based on the true certified values of the target compounds of interest, or 40% - 140% recovery, serve as advisory acceptance criteria.
- 9.7.3.3 Corrective Action: Repeat analysis and/or check to see if an analytical error has occurred. If the % recovery or %D still exceeds the control limits and the associated LCS/LCSD and/or MS/MSD are within control, include a project narrative with the results to client noting that the observed recovered of the SRM are isolated to this sample as evidenced by the LCS/LCSD and/or MS/MSD acceptance. Individual analyte exceedances will be narrated and may be used to assess potential interferences or system bias for individual analytes.

9.8 Method Sequence

- 9.8.1 An example calibration and sample sequence for 8082 Aroclor analysis listed below. Calibration points, ICV, CCV identifiers and/or nomenclature can be associated according to date/instrument or a specifically generated WG (workgroup) reference number assigned by the company LIMS system. Laboratory standard identification should be entered under the misc information section of each datafile for traceability of all standards utilized.
- 9.8.2 Listed below is an example of a calibration whereas seven calibration points were analyzed on 3/6/18. "I6" = Instrument ECD6. "CQ6" = ICV ECD6
- 9.8.3 **Example Calibration Sequence**
1. Prime and/or Hexane
 2. I603161801 (calibration standard level 1 1660 + surrogates)
 3. I603161802 (calibration standard level 2 1660 + surrogates)
 4. I603161803 (calibration standard level 3 1660 + surrogates)
 5. I603161804 (calibration standard level 4 1660 + surrogates)
 6. I603161805 (calibration standard level 5 1660 + surrogates)
 7. I603161806 (calibration standard level 6 1660 + surrogates)
 8. I603161807 (calibration standard level 7 1660 + surrogates)
 9. Hexane
 10. CQ603161801 (Initial Calibration Verification Standard 1660)
 11. Hexane
 12. I603161808 – 2162
 13. CQ603161802 – 2162
 14. I603161809 – 3268
 15. CQ603161803 – 3268
 16. I6031618010 – 1242
 17. CQ603161804 – 1242
 18. I603161811 – 1248
 19. CQ603161805 – 1248
 20. I603161812 – 1254
 21. CQ603161806 – 1254

NOTE: If multiple calibration mixtures are analyzed, it is acceptable to analyze appropriate ICVs after all calibration standards have been injected.

9.8.4 Example environmental sample sequence

An example sequence for 8082 Aroclor analysis listed below. CCV identifiers and/or nomenclature can be associated according to date/instrument or a specifically generated WG (workgroup) reference number assigned by the company LIMS system.

1. Prime and/or Hexane
2. C4120401STD2162 AR1221/1262 Level 5 @ 500ug/L *
3. C4120401STD3268 AR12321268 Level 5 @ 500ug/L *
4. C4120401STD1242 AR1242 Level 5 @ 500ug/L *
5. C4120401STD1248 AR1248 Level 5 @ 500ug/L *
6. C4120401STD1254 AR1254 Level 5 @ 500ug/L *
7. C4120401STD1660 AR1660 Level 5 @ 500ug/L
8. Method Blank
9. Method LCS
10. Method LCSD
11. Up to 7 client sample injections
12. Repeat injections 1-11 as needed

10. Procedure

10.1 Equipment Set-up

10.1.1 Prior to performing GC/ECD analysis, the operator must read and become familiar with the operating procedure guidelines specified in the instrument operating manuals. The analyst must be trained and familiarized with the instrument software provided by the manufacturer. The instrument must be set up with the proper operating parameters (data acquisition and processing) and conditions described in the operating manual. The criteria for the analytical calibration ranges and method and instrument detection limits must be established and documented prior to initial calibration. All analytical equipment is traceable to NIST via internal and external calibration checks and *Certificates of Analysis* that are received with the calibration standards.

10.1.2 Establish daily retention time windows as the retention time of the component in the opening verification standard ± 0.05 . Retention time windows are calculated each time a new GC column is installed. It has been found that this window works well, being wide enough to eliminate false-negatives while being tight enough to eliminate false-positives. Windows that are calculated using the procedure recommended in Method 8000 tend to be very narrow, creating the risk of false negative results. The window listed above is used as guidance; however the experience of the analyst weighs heavily in the interpretation of the chromatograms.

10.1.3 GC Instrument Conditions:

The dual-column / dual-detector approach involves the use of the columns listed in section 7.2.1 the columns are connected to an injection tee or dual injection GC, and separate electron capture detectors. Alpha typical GC conditions are listed below, but may be altered as long as method performance criteria are met. Inject an aliquot of 1ul into the capillary column of the gas chromatograph at the following conditions.

Temperature1: 120 °C

Injector temperature: 250°C

Time1: 0 minutes

Injector mode: Pulsed Split

Ramp1: 45 ^o C/minute	1.4:1 split, 0.20 min pulse
Temperature2: 200 ^o C	Injector Flow: 5.7 ml/min split flow
Time2: 0 minutes	Detector temperature: 350 ^o C
Ramp2: 15 ^o C/minute	Carrier gas: Helium
Temperature3: 230 ^o C	Carrier flow: 20ml/min
Time3: 0 minutes	Carrier mode: Constant flow
Ramp3: 30 ^o C/minute	Makeup gas: Nitrogen
Final temperature 330 ^o C	Total detector flow: 55ml/min
Final time: 2 minutes	Injection Volume: 1 µL

10.2 Initial Calibration

- 10.2.1 Prepare calibration standards using the standards listed in Section 8.
- 10.2.2 Establish the GC operating conditions by loading the appropriate GC method. Typical instrument conditions are listed in section 10.1.3.
- 10.2.3 A 1µL injection volume of each calibration standard is typically used. Other injection volumes may be employed, provided that the analyst can demonstrate adequate sensitivity for the compounds of interest. The same injection volume must be used for all standards and samples.
- 10.2.4 Column adsorption may be a problem when the GC has not been used for a day or more or after system maintenance. The GC column may be primed (or deactivated) by injecting a PCB standard mixture approximately 20 times more concentrated than the mid-concentration standard. Inject this standard mixture prior to beginning the initial calibration or calibration verification. Alternately, the system may be primed by baking at the final analytical temperature for approximately 30 minutes. Several analytes may be observed in the injection just following system priming. Always run an instrument blank after system priming.
- 10.2.5 Calibration Factor: Internal standard calibration techniques are employed in this method. In each standard, calculate the response factor (RF) for each analyte, the average RF, and the relative standard deviation (RSD) of the RFs, using the Enviroquant data processing software. The calculations are performed automatically, using the formula listed in Alpha's Quality Manual.
- 10.2.6 Initial Calibration Criteria If the RSD for an analyte is < 20%, then the response of the instrument for this compound is considered linear over the range and the mean calibration factor can be used to quantitate sample results. If the RSD for any analyte is > 20%, then linearity through the origin cannot be assumed. The mean response factor cannot be used for quantitation. An alternative calculation may be done by the use of linearity as long as the correlation coefficient is >0.995. If both of these quantitation methods fail criteria for any compound in the initial calibration, then the system must be reevaluated and a new calibration curve must be analyzed.
- 10.2.7 Initial Calibration Verification An initial calibration verification standard must be run immediately after each initial calibration, near the midpoint of the curve. The standard must be prepared using a second source that is different than the source used for the initial calibration. (Standards listed in Section 8). The %D has to be within 20%. The retention time window used for the identification of target analytes is ± 0.07 minutes.

These criteria have been adopted from the EPA CLP Statement of Work (OLM04.2). It has been found that these limits work well, being wide enough to eliminate false-negatives while being tight enough to eliminate false-positives. Windows that are calculated using the procedure recommended in Method 8000 tend to be very narrow, creating the risk of false negative results.

- 10.2.8 The windows listed above are used as guidance; however the experience of the analyst weighs heavily in the interpretation of the chromatograms. For example, it has been observed that certain oil matrices can cause the retention times to shift more dramatically.

10.3 Equipment Operation and Sample Processing

- 10.3.1 The determination of PCB Aroclors is accomplished by comparing the sample chromatogram to that of the most similar Aroclor standard. The aroclor pattern must be present on both columns to confirm the Aroclor identification. The use of PCB overlays is extremely helpful, either by using hardcopies of chromatograms or by utilizing the Enviroquant software. A choice must be made as to which Aroclor is most similar and whether that standard is truly representative of the PCB in the sample. Both retention time and pattern are important when determining PCBs in a sample. Samples that contained weathered PCB present special analytical challenges. Weathering could alter the Aroclor pattern to the extent that different peaks have to be selected for quantitation. Samples that contained more than one Aroclor present similar problems. For these samples, the Analyst may have to consider selecting the earlier eluting peaks for the lower boiling Aroclor and selecting the later eluting peaks for the higher boiling Aroclors to minimize overlapping peaks. Minimum of 3 peaks must be chosen for each Aroclor. If compound identification or quantitation is precluded due to interference (e.g., broad, rounded peaks or ill-defined baselines are present) cleanup of the extract may be needed. If instrument problems are suspected, rerun the extract on another instrument to determine if the problem results from analytical hardware or the sample matrix. The laboratory must report the higher of the two columns' results unless obvious interference is present on one of the columns.
- 10.3.2 Verify calibration each 12-hours shift by injecting calibration verification standards prior to conducting any sample analyses. A calibration standard must also be injected at intervals of not less than once every twenty injections. A bracketing CCV is not required with the use of internal standard calibration (Method 8082A 11.6.8) with the exception of samples ran under CT RCP method. For Aroclor analysis, the calibration verification standard should be a mixture of Aroclor 1016 and 1260.
- 10.3.3 The response factor (for internal standard compounds) for each analyte to be quantitated must not exceed a $\pm 20\%$ difference when compared to the initial calibration curve (+ 15% for CT RCP). The Target data processing software automatically calculates the %D for all analytes according to the formulae in Alpha's Quality Manual. A retention time shift >30 seconds for the internal standard necessitates reanalysis of all affected samples.
- 10.3.4 Routine preventive maintenance is performed to maintain GC system performance. This includes periodic replacement of injector septa, replacement of injector liner(s), and replacement of injector seals. Other Maintenance: ECD detectors may become contaminated, requiring bake out at elevated temperatures, (no greater than 375°C) or repair by the manufacturer.
- 10.3.5 If the on-column concentration of any compound exceeds the calibration range of 2000ug/L, the sample must be diluted, re-spiked with the appropriate amount of internal standard and re-analyzed.

10.4 Continuing Calibration

10.4.1 Verify calibration each 12-hours shift by injecting calibration verification standards prior to conducting any sample analyses. A calibration standard must also be injected at intervals of not less than once every twenty injections. A bracketing CCV is not required with the use of internal standard calibration (Method 8082A 11.6.8) with the exception of samples ran under CT RCP method. For Aroclor analysis, the calibration verification standard should be a mixture of Aroclor 1016 and 1260. The calibration verification process does not require analysis of the other Aroclor standards used for pattern recognition (Method 8082A 11.6.2)

10.4.2 The response factor (for internal standard compounds) for each analyte to be quantitated must not exceed a $\pm 20\%$ difference when compared to the initial calibration curve (+ 15% for CT RCP). A retention time shift >30 seconds for the internal standard necessitates reanalysis of all affected samples.

10.5 Preventive Maintenance

10.5.1 Preventive maintenance may or may not include the following; replacing system uniliner, o-ring, merlin septum, MXTY connector or clipping a length of guard column.

10.5.2 Additionally, preventive or routine maintenance for GC/ECD systems may involve baking out the ECD detectors, replacing guard, RTX-5 or CLPII columns.

11. Data Evaluation, Calculations and Reporting

11.1 Quantitation of Aroclors

Quantitation is based on the use of a minimum of 3 of the major peaks present in the analyte, although the use of 5 of the major peaks is recommended. Each of these peaks is individually calibrated with a minimum of five calibration points based on average response factors. The %RSD must meet the criteria of <20% for the ICAL. The five major peaks are calculated as described below. After individual calculation meets criteria, the average of the peaks selected for quantitation is used to determine the final concentration.

11.2 Aqueous samples

$$\text{Concentration } (\mu\text{g/L}) = \frac{C \times DF \times V_f \times 1000}{V_o}$$

C = Extract concentration ($\mu\text{g/mL}$), NOTE: ng on column = ng/injection volume = ng/ μL = $\mu\text{g/mL}$

DF = Dilution factor

V_f = Final extract volume (mL)

V_o = Sample volume (mL)

11.3 Soil/sediment samples

$$\text{Concentration } (\mu\text{g/Kg, dry weight}) = \frac{C \times DF \times V_f \times 1000 \div \%S}{W \text{ (g)}}$$

C = Extract concentration ($\mu\text{g/mL}$), NOTE: ng on column = ng/injection volume = ng/ μL = $\mu\text{g/mL}$

DF = Dilution factor

V_f = Final extract volume (mL)

W = Weight of the sample extracted (10g for high, 30g for low)

%S = Percent solids, as a decimal value

11.4 PUF samples

$$\text{Concentration (ng/cart)} = \frac{C \times DF \times Vf}{W}$$

C = Extract concentration (µg/L)
 DF = Dilution factor
 Vf = Final extract volume (mL)
 W = Weight of the sample. for Air PUF, sample amount is 1

11.5 Reporting Results

After performing technical data review, validating that all QC criteria have been met and confirming all positive hits, the data report is sent electronically to the LIMS computer for generation of the client report. There are two levels of review of the data in the LIMS system prior to release of data. These reviews must be done by two separate individuals.

12. Contingencies for Handling Out-of-Control Data or Unacceptable Data

Holding time exceedance and/or improper preservation are noted on the nonconformance report form.

Perform instrument maintenance as described throughout this SOP as needed when instrument calibration criteria are not met. Record all maintenance in the instrument logbook.

All batch and sample specific QC criteria outlined in Section 10 are evaluated by the analyst prior to approval of the data. When any QC criteria fail, the cause for the failure must be identified and corrected. This may include instrument recalibration followed by sample reanalysis, sample cleanup, or sample re-extraction. If it is determined that the failure is due to sample matrix effects, a project narrative report is written into the LIMS by the analyst for inclusion in the data report. If there is insufficient sample volume to perform the re-analysis for confirmation, this is also noted in the narrative and included in the client report.

All PCB Aroclor results are reportable without qualification if analytical holding times are met, preservation requirements (including cooler temperatures) are met, and all QC criteria defined in the table below are met. If any of the below QC parameters are not met, all associated samples must be evaluated for re-analysis.

QC Parameter	Acceptance Criteria
Initial Calibration Curve	20% RSD for all target analytes Correlation coefficient must be ≥ 0.99 – for linear model The COD or r^2 must be ≥ 0.99 – for non-linear model
Independent Check Verification	+/- 20% recovery of the true values, For Aroclors the Average of the 5 representative peaks are calculated to get the %D.
Continuing Calibration Verification	Analyzed every 12hr or at the minimum of every 20 samples, 20% D for all target analytes. For Aroclors the Average of the 5 representative peaks are calculated to get the %D.
Method Blank	No analyte at or above the reporting limit, “B” qualify analyte if detected < 10x the blank contamination

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Laboratory Control Sample	Soil/Tissue/Aqueous/PUF: 40-140%; 50% RPD
Matrix Spike / Matrix Spike Duplicate	Same as for LCS; 50% RPD between the duplicates.
Sample / Sample Duplicate	50% RPD between the duplicates.
Surrogates	Soil: 30-150%; Aqueous: 30-150%; PUF: 60-120%
Internal Standards	50% - 200% of the daily CCV area for the Internal Standards
SRM	Same as for LCS, 40% - 140% recovery

Any deviations and observations made about the analyses must be documented in the instrument logbook and or project narrative. If a problem arises during analysis, document the problem and initiate corrective action. If there is a problem with a sample analysis which indicates that re-extraction should be performed, and if there is no additional sample available for re-extraction, the Project Manager needs to be informed immediately so that the client can be involved in the corrective action process. Re-extraction of a sample should be done within holding time if at all possible.

Evaluation of a sample result often requires knowledge about the results of all samples within a job. Therefore, use all of the data, if possible, from a job to judge whether or not corrective actions are needed. For example, if a sample is run and the surrogates are low, one might request a re-extraction immediately only to find that a MS/MSD were also done on this sample, with low surrogate and MS recoveries, confirming a matrix effect. In this case, a re-extraction is not required and the results would be reported with a narration explaining the evidence of a matrix effect on the low surrogate recoveries. The characteristics of the overall job may be invaluable in deciding how to report the data to the client.

If non-compliant PCB Aroclor results are to be reported, the Department Manager and/or the Laboratory Director, and the QA Manager must approve the reporting of these results. The laboratory Project Manager shall be notified, and may choose to relay the non-compliance to the client, for approval, or other corrective action, such as re-sampling and re-analysis. The analyst or Department Manager performing the secondary review initiates the project narrative, and the narrative must clearly document the non-compliance and provide a reason for acceptance of these results.

13. Method Performance

13.1 Detection Limit Study (DL) / Limit of Detection Study (LOD) / Limit of Quantitation (LOQ)

The laboratory follows the procedure to determine the DL, LOD, and/or LOQ as outlined in Alpha SOP/1732. These studies performed by the laboratory are maintained on file for review.

13.2 Demonstration of Capability Studies

Refer to Alpha SOP/1739 for further information regarding IDC/DOC Generation.

13.2.1 Initial (IDC)

The analyst must make an initial, one-time, demonstration of the ability to generate acceptable accuracy and precision with this method, prior to the processing of any samples.

13.2.2 Continuing (DOC)

The analyst must make a continuing, annual, demonstration of the ability to generate acceptable accuracy and precision with this method

14. Pollution Prevention and Waste Management

Refer to Alpha's Chemical Hygiene Plan and Waste Management and Disposal SOP for further pollution prevention and waste management information.

15. Referenced Documents

Chemical Hygiene Plan SOP/2124
DL/LOD/LOQ Generation SOP/1732
IDC/DOC Generation SOP/1739
Waste Management and Disposal SOP/1797
Laboratory Glassware cleaning SOP/1753
Reagent, Solvent, and Standard Control SOP/1816
Soxhlet Extraction of PUF cartridges SOP/2174

16. Attachments

Table 1: Reporting Limits (RLs) and CAS Registry Numbers
Table 2: LCS/LCSD, MS/MSD and Precision and Accuracy Evaluation Criteria
Table 3: Surrogate Recovery Evaluation Criteria

Table I

**Reporting Limits (RLs) and CAS Registry Numbers
for PCB Aroclors by GC/ECD**

Compound	CAS Registry	Aqueous in µg/L	Solid in µg/Kg	PUF in ng/PUF
		RLs	RLs	RLs
Aroclor 1016	12674-11-2	0.02	2.5, 15	30
Aroclor 1221	11104-28-2	0.02	2.5, 15	100
Aroclor 1232	11141-16-5	0.02	2.5, 15	30
Aroclor 1242	53469-21-9	0.02	2.5, 15	20
Aroclor 1248	12672-29-6	0.02	2.5, 15	20
Aroclor 1254	11097-69-1	0.02	2.5, 15	20

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Compound	CAS Registry	Aqueous in µg/L	Solid in µg/Kg	PUF in ng/PUF
Aroclor 1260	11096-82-5	0.02	2.5, 15	20
Aroclor 1262	11100-14-4	0.02	2.5, 15	20
Aroclor 1268	37324-23-5	0.02	2.5, 15	20

Table II
LCS/LCSD, MS/MSD and Precision and Accuracy Evaluation Criteria

Spiked Component	Aqueous/Solid/Tissue/PUF (% recovery)	RPD
AR1016	40-140	50
AR1260	40-140	50

Table III
Surrogate Recovery Evaluation Criteria

Surrogate	Aqueous/Solid/Tissue (% recovery)	PUF (% recovery)
2,4,5,6-tetrachloro-m-ylene(TMx)	30-150	60-120
Decachlorobiphenyl (DCB)	30-150	60-120

NOTE: Depending on project specific requirements, MS/LCS/Surrogate recoveries may be validated against a specified project QAPP, 8082 SW-846, TO-10A, CLP OLM04.2, DoD QSM 5.3, or in-house determined limits.



wood.

**Appendix C:
Geophysical/Utility Survey**





Subsurface Environmental Technologies, LLC.
19 Brookside Avenue
Pennington, New Jersey 08534
Phone: (609) 730-0005
Fax: (609) 730-1222

September 9, 2019
SET Proposal No: **19-271G**

Ms. Marlene B. Lindhardt, CHMM, LSRP
Wood
751 Arbor Way
Blue Bell, Pennsylvania

Subject: Geophysical Investigation Results
Amtrak East Barracks Site
Cook Avenue
Trenton, New Jersey

Dear Ms. Lindhardt,

Subsurface Environmental Technologies (SET) presents this report to Wood of Blue Bell, Pennsylvania describing the objectives, methods and results of a geophysical investigation conducted at the Amtrak East Barracks Site located at the northern end of Cook Avenue, in Trenton, New Jersey. For this project, SET surveyed a roughly-rectangular area (1800 feet by 80 feet) that was defined by Wood in their RFP and in the field. The field activities for this investigation were completed by SET on Tuesday, August 20 (2 crews), Friday August 23, and Monday August 26, 2019.

Objectives

As stated in the Wood Request for Bid, the primary objective of this geophysical survey was to identify buried utilities and subsurface anomalies in the survey area. The results of the survey will help guide future subsurface activities to be conducted by Wood.

At the time of our survey, detailed subsurface information was not available and it was uncertain where buried features may be present. SET did contact the City of Trenton Sewer Department, which provided historic documents pertinent to the survey area. The geophysical data was analyzed closely for the targets described above. To meet the objective of the investigation, SET used the electromagnetic (EM), the ground-penetrating radar (GPR), hand-held electromagnetic (HHEM), and radiofrequency (RF) methods.

Survey Grids

SET collected EM31 data in the scan mode throughout the survey area. During the survey, the traverse paths were continuously monitored so the line separations were approximately 5-10 feet apart, and the lines were parallel to one another. The positions of any buried anomalies that were detected in the field were marked on the ground with spray paint for reference purposes. SET also took numerous photographs to document the locations of these buried features.

In the field, SET revisited each EM anomaly location with our GPR equipment for further characterization. Typically, several GPR profiles were collected in two or more orientations over each anomalous area. This data was critical for target confirmation, and refinement of target dimensions and depth. In addition, GPR HHEM, and RF data was collected in a reconnaissance mode over larger areas. SET also removed manhole

covers at several locations to corroborate pipeline directions and positions. Brush clearing was also required along southern sections of the survey area.

Geophysical Methods

Electromagnetic Method

The electromagnetic (EM) method uses the principle of electromagnetic induction to measure the variability of electrical conductivity of subsurface materials and the presence of buried metal objects. Significant contrasts in the electrical properties between non-indigenous materials and surrounding soil enable accurate delineation of buried waste materials, fill, and air spaces. The large EM response to metal makes this technique particularly well suited to identifying buried metal objects such as metallic wastes, USTs, buried drums, pipelines, reinforced building foundations, or other metal components of buried structures. It is, however, equally sensitive to metal objects on the ground surface, and it is important to take careful field notes that indicate the position of surface metal to avoid mis-interpretation.

The EM-31 ground conductivity meter by Geonics was used to measure the presence of buried metal objects such as USTs, and to determine the electrical conductivity of the underlying soils. The EM-31 is a one-man, portable system that induces a sinusoidal, 9.8 kilohertz (kHz) signal into the ground. The transmitted signal induces eddy currents into the subsurface materials, which, in turn, generate a secondary magnetic field that is measured by the receiver coil. Two measurements are recorded at each station point; the in-phase response, which is measured in parts per thousand (ppt), and the quadrature response, which is measured in milliSeimens per meter (mS/m). For the interpretation of high-conductivity targets such as USTs, the in-phase response is more discriminative. Lower contrast targets such as clay layers, contaminant plumes, and waste disposal areas are better indicated with the quadrature response. The EM data can be viewed in contour or profile format, or the data can be acquired in a scan mode. SET used a Trimble ProXRS Global Positioning System (GPS) concurrently with the EM31 survey.

Ground Penetrating Radar (GPR) Method

The ground-penetrating radar (GPR) method was used to provide subsurface imaging information throughout the areas of investigation. The GPR method is based upon the transmission of repetitive, radio-frequency electromagnetic (EM) pulses into the subsurface. When the transmitted energy of down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard-drive. The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical properties of the subsurface result in equivalent changes in the GPR responses. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using known soil velocity functions.

The GPR field procedures involved (1) instrument calibration, (2) test run completion, (3) production profile collection and recording, and (4) data storage for subsequent processing and analysis in the office.

Each radar profile was examined for characteristic GPR signatures that may indicate the presence of buried targets. A Geophysical Survey System SIR System 2 and a 400 megahertz (MHz) antenna were used with a recording window of 60 nanoseconds (ns) to provide the required depth penetration and subsurface detail.

Radio-Frequency Method

The RadioDetection RD7000 multi-frequency utility locating system was used for this project. This instrument consists of a receiver/tracer and a remote transmitter, which operates at frequencies between 8 kHz and 200 kHz. The unit provides audio and visual feedback to the operator when a utility that is coupled with the transmitted signal is crossed. The transmitter produces a radio-frequency signal in the utility to be traced by either induction coupling or direct hookup. The receiver output provides measured field strength of the received signal and varies an audible pitch that is dependent upon the distance to the utility. By carefully adjusting the gain of the receiver, it is possible to determine the location of the utility and to separate it from possible adjacent utilities. In addition, the receiver can be used in 60 Hz passive mode to identify active electrical lines or lines that possess an induced current.

Hand-Held Electromagnetic Method

The hand-held electromagnetic method uses the principle of electromagnetic induction to detect shallowly-buried metal objects such as underground storage tanks (USTs), metal utility conduits, reinforced concrete slabs, manhole covers, and miscellaneous metal debris. To complete this task, the operator carries the hand-held radio transmitter-receiver unit above the ground and continually scans the surface. A primary coil broadcasts a radio signal from the transmitter. This primary radio signal induces secondary electrical currents in metal objects. These secondary currents, in turn, produce a magnetic field which is detected by the receiver.

The HHEM instrument we typically use for shallow investigations is a Fisher TW-6 pipe and cable locator by Fischer, Inc. This instrument operates by generating both a unitless meter reading and an audible signal response when near a metal object. The peak instrument response usually occurs when the unit is directly over the object.

Results

SET has enclosed ten (10) figures with this report. Figure 1 is an annotated geo-referenced orthophoto that shows the locations of buried utilities and anomalies over the entire site, Figure 2 is an annotated geo-referenced orthophoto that shows the locations of buried utilities and anomalies over the northern Cook Avenue area, Figure 3 shows an annotated map from The City of Trenton, and Figures 4 through 10 show site photographs. The results of the geophysical survey are summarized below.

Buried Utilities

SET detected several buried pipelines in the survey area. Their map locations are shown on Figures 1 and 2, and site photos of some pipelines are shown in Figures 4-10. SET used the American Public Works

Association (APWA) color guidelines for placing these lines on our figures. Using this system, red lines represent electric, orange lines represent telecommunication, yellow lines represent gas, blue lines represent water, green lines represent storm and sewer, and SET used magenta for unknown lines.

An important storm line was found that ran from a manhole in Cook Avenue to the north, then angled to the east along a gravel access road. This line intersected three manholes. To corroborate the presence and location of this line, SET contacted The City of Trenton Sewer Department, and a map from 1994 showing this line was forwarded to SET. The line was designated as Drain 18 and it ran from Cook Avenue to Olden Road, to the east. It indicated the pipe was 5.5 feet in diameter (also observed by SET when opening the manhole covers), showed a similar position, and confirmed that three manholes were present in the survey area. The manhole designations were, from west-to-east, 18-4, 18-3, and 18-2. The approximate manhole inverts are shown on Figure 3, as well. Flow is from west to east.

SET detected a water line that ran from a manhole in Cook Avenue to the north. This line then angled to the west where it ran below an existing water cap next to the trailer. This line provided water to the trailer. It then continued to the west below the railroad fencing.

SET also detected a sewer line that ran from a manhole on Cook Avenue to the north in roughly the same orientation as the water line described above. This line also angled to the west and terminated at a large manhole cover next to the trailer.

Several electric and unknown lines were also detected and marked on the ground with spray paint. Again, numerous site photographs were taken in the field and included with this report. It is important to note that large soil containers were present in the western side of the survey area during our investigation.

Buried Railroad Tracks

SET detected sections of buried railroad track in the eastern part of the survey area. The track exhibited strongly-negative EM responses in areas directly over and adjacent to the tracks, as shown in Figures 1 and 2. SET noticed that the buried tracks were partly, an extension of existing tracks that were observed at the ground surface to the east.

Data Quality

The data quality for this project was moderate to good. There were some ambiguities regarding potential lines around the perimeter of the building foundation, however the data provided very good subsurface information in the remaining areas. The EM, GPR, and RF responses were consistent and correlated well between profiles. The interpretations presented in this report are based on observed geophysical responses, visual observations, and historical information.

Ms. Marlene Lindhardt
Wood
Amtrak East Barracks Site
Trenton, New Jersey
September 9, 2019

If you have any questions, please contact me 609-480-9382. It was a pleasure working with you on this project, and look forward to conducting geophysical investigations for you in the future.

Sincerely,

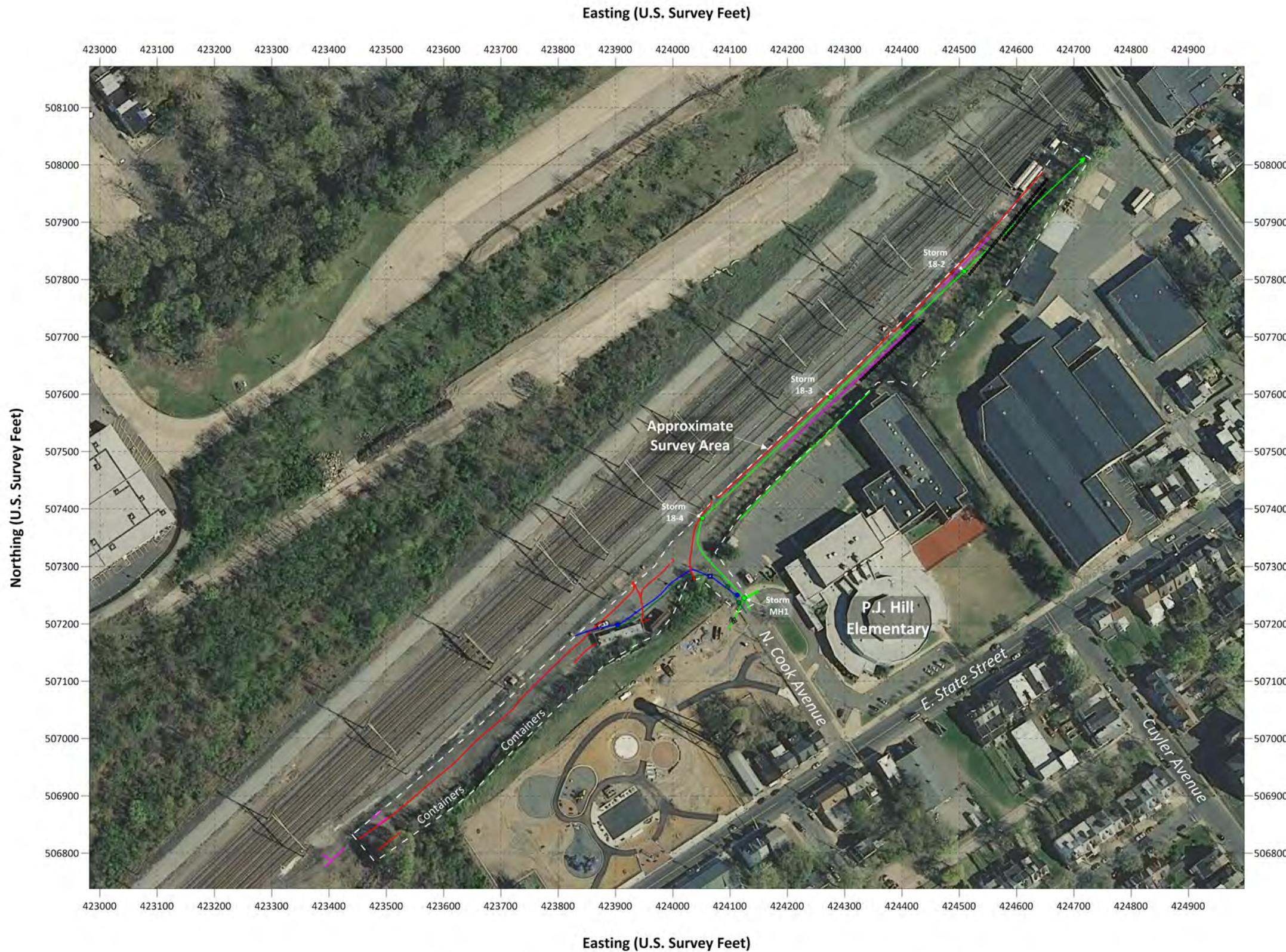


Peter T. Miller
Senior Geophysicist, SET

encl.: Figure 1: Annotated Georeferenced Orthophoto Showing Buried Utilities and Site Features (Entire Site)
Figure 2: Annotated Georeferenced Orthophoto Showing Buried Utilities and Site Features (Cook Road Area)
Figure 3: Trenton Sewer Department Map Showing Drain No. 18 Alignment
Figures 4-10: Site Photographs

East Barracks Site

N. Cook Avenue and E. State Street
Trenton, New Jersey

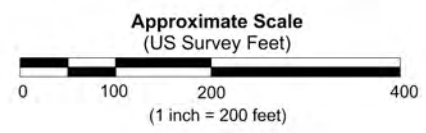



Legend:

- Storm Line
- Sewer Line
- Water Line
- Electric Line
- Unknown Line
- Storm Manhole
- Sewer Manhole
- Water Manhole
- Water Vault
- Storm Grate
- Electric Box
- Railroad Track

Notes:

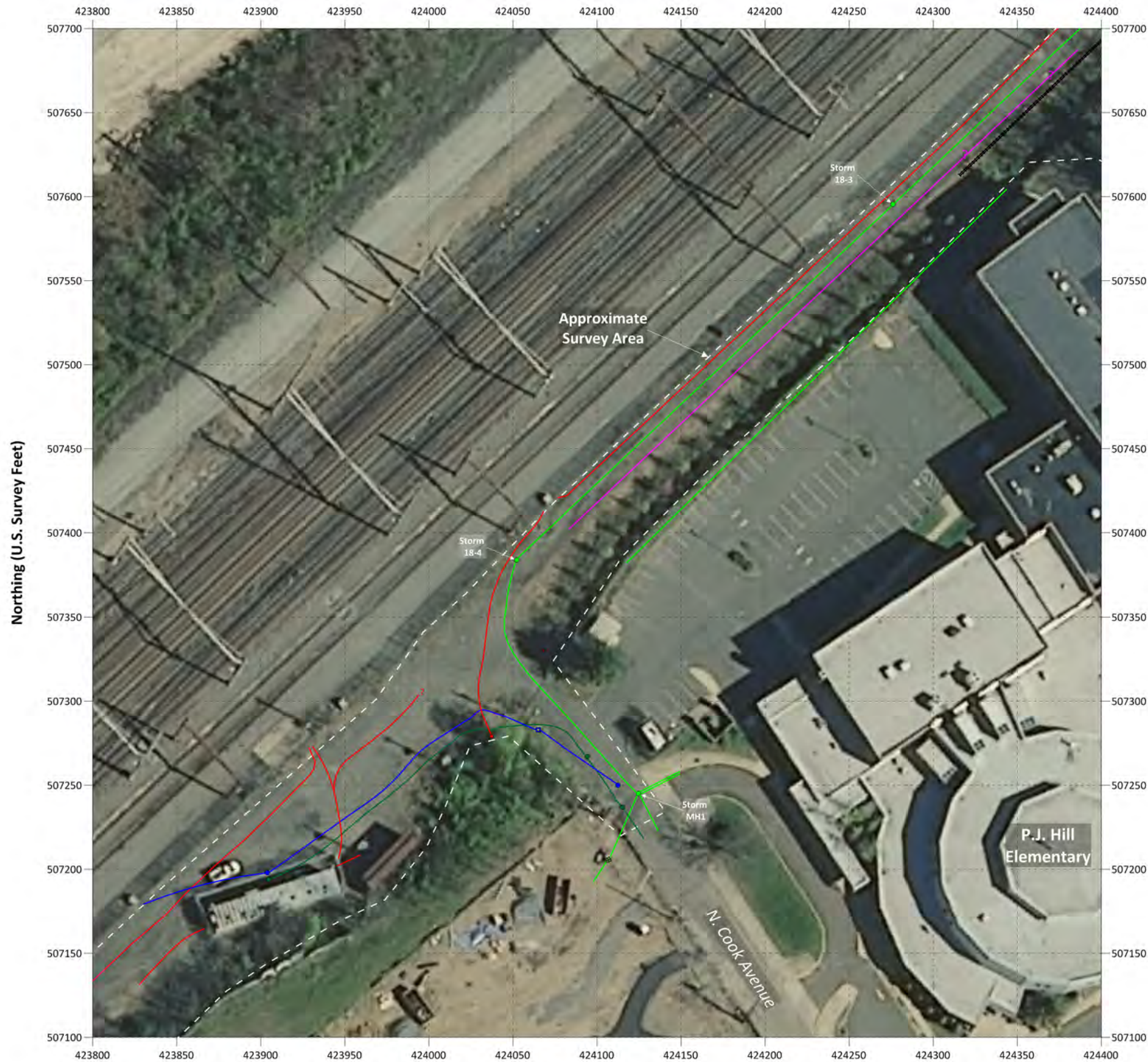
- (1) The objective of this geophysical survey was to locate buried utility pipelines and subsurface anomalies in the survey area that may interfere with proposed soil removal activities. To meet the objectives of the investigation, SET used an EM31 electromagnetic conductivity (EM) unit by Geonics, Inc, a SIR System 3000 Ground Penetrating Radar (GPR) unit with a 400 MHz antenna by GSSI, Inc., a Radiofrequency (RF) device by Radiodetection, Inc., and a Fisher TW-6 M-Scope. These instruments provided excellent subsurface information to a depth of approximately 4-15 feet bgs.
- (2) Figure 1 is an annotated geo-referenced orthophoto that shows buried utilities and surface features such as manholes, railroad track, water vault, and others. Figures 2-5 show site photographs of these same features.
- (3) SET detected several buried lines in the survey area. These included storm, electric, water, sewer, and unknown lines. Their approximate positions are shown on the map and site photos. It is important to note that the storm line location detected by SET was confirmed with a map provided by the City of Trenton Sewer Department. The invert data from this map was also included. SET used the American Public Works Association (APWA) color guidelines for placing these lines on our figures. Using this system, red lines represent electric, orange lines represent telecommunication, yellow lines represent gas, blue lines represent water, green lines represent storm and sewer, and SET used magenta for unknown lines.
- (4) The positions on this map should be considered approximate, as should the coordinates presented in the table. They were not measured by a licensed surveyor.
- (5) The items on this figure may not be all inclusive. SET does not warrant the fact that additional buried features may be present at this site.



 SET GEOPHYSICS & DRILLING SERVICES SUBSURFACE ENVIRONMENTAL TECH., LLC. 19 BROOKSIDE AVENUE PENNINGTON, NJ 08534	EAST BARRACKS AMTRAK SITE SITE WIDE VIEW ANNOTATED GEOREFERENCED ORTHOPHOTO SHOWING BURIED UTILITIES AND SITE FEATURES	
	ADDRESS: COOK AVENUE, TRENTON, NEW JERSEY	
PROJECT: 19-271G	CLIENT: WOOD	FIGURE 1
FIGURE DATE: SEPTEMBER 9, 2019	SUBSURFACE ENVIRONMENTAL TECHNOLOGIES, LLC. DRAWN BY: P. MILLER, SENIOR GEOPHYSICIST	

Easting (U.S. Survey Feet)

East Barracks Site
N. Cook Avenue and E. State Street
Trenton, New Jersey



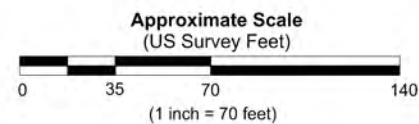
Legend:

- Storm Line
- Sewer Line
- Water Line
- Electric Line
- Unknown Line
- Storm Manhole
- Sewer Manhole
- Water Manhole
- Water Vault
- Storm Grate
- Electric Box

Notes:

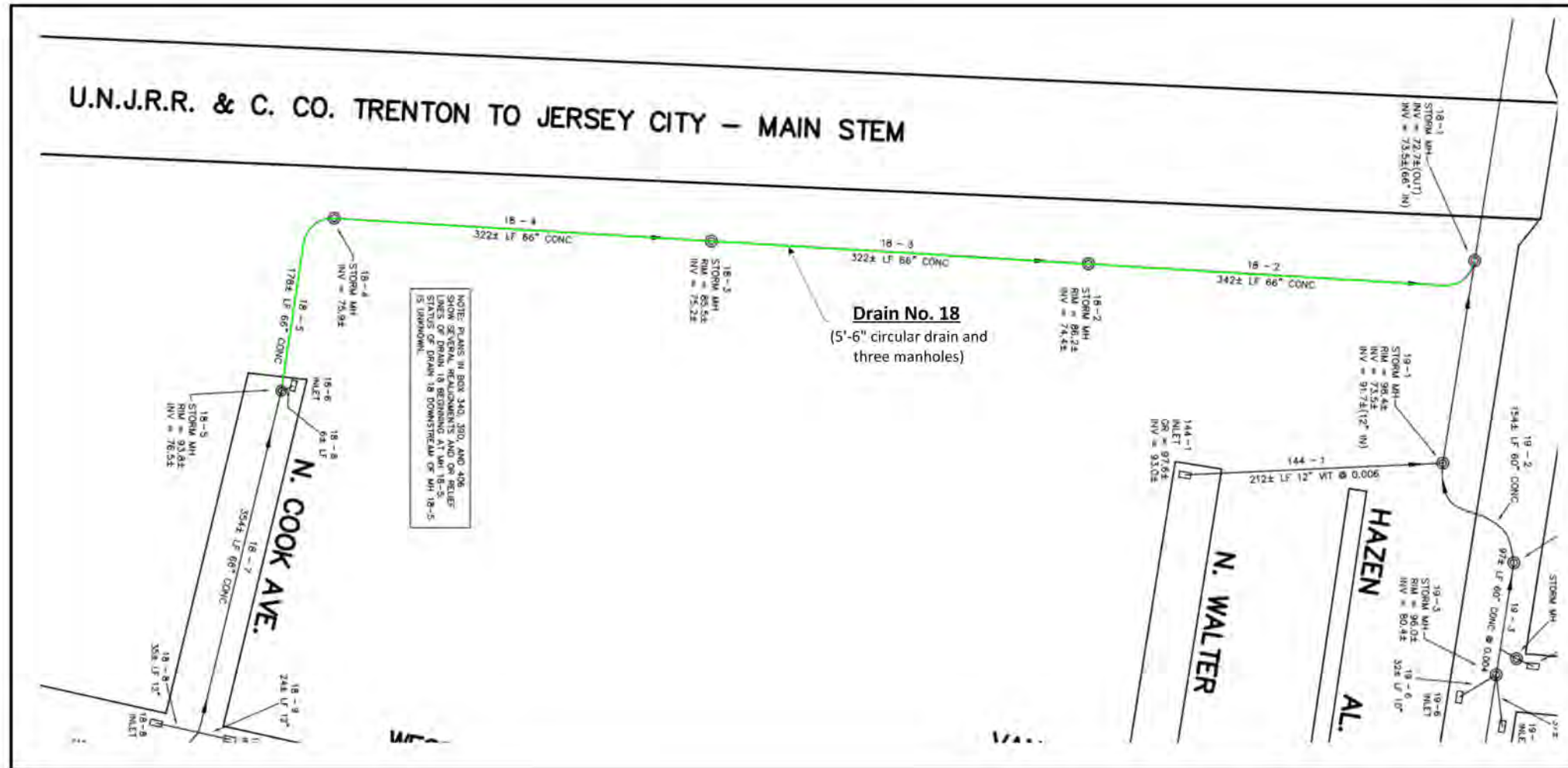
- (1) The objective of this geophysical survey was to locate buried utility pipelines and subsurface anomalies in the survey area that may interfere with proposed soil removal activities. To meet the objectives of the investigation, SET used an EM31 electromagnetic conductivity (EM) unit by Geonics, Inc, a SIR System 3000 Ground Penetrating Radar (GPR) unit with a 400 MHz antenna by GSSI, Inc., a Radiofrequency (RF) device by Radiodetection, Inc., and a Fisher TW-6 M-Scope. These instruments provided excellent subsurface information to a depth of approximately 4-15 feet bgs.
- (2) Figure 1 is an annotated geo-referenced orthophoto that shows buried utilities and surface features such as manholes, railroad track, water vault, and others. Figures 2-5 show site photographs of these same features.
- (3) SET detected several buried lines in the survey area. These included storm, electric, water, sewer, and unknown lines. Their approximate positions are shown on the map and site photos. It is important to note that the storm line location detected by SET was confirmed with a map provided by the City of Trenton Sewer Department. The invert data from this map was also included. SET used the American Public Works Association (APWA) color guidelines for placing these lines on our figures. Using this system, red lines represent electric, orange lines represent telecommunication, yellow lines represent gas, blue lines represent water, green lines represent storm and sewer, and SET used magenta for unknown lines.
- (4) The positions on this map should be considered approximate, as should the coordinates presented in the table. They were not measured by a licensed surveyor.
- (5) The items on this figure may not be all inclusive. SET does not warrant the fact that additional buried features may be present at this site.

Easting (U.S. Survey Feet)



 SET GEOPHYSICS & DRILLING SERVICES SUBSURFACE ENVIRONMENTAL TECH., LLC. 19 BROOKSIDE AVENUE PENNINGTON, NJ 08534	EAST BARRACKS AMTRAK SITE COOK AVENUE AREA ANNOTATED GEOREFERENCED ORTHOPHOTO SHOWING BURIED UTILITIES AND SITE FEATURES	
	ADDRESS: COOK AVENUE, TRENTON, NEW JERSEY	
PROJECT: 19-271G	CLIENT: WOOD	
FIGURE DATE: SEPTEMBER 9, 2019	SUBSURFACE ENVIRONMENTAL TECHNOLOGIES, LLC.	FIGURE 2
DRAWN BY: P. MILLER, SENIOR GEOPHYSICIST		

East Barracks Site
 N. Cook Avenue and E. State Street
 Trenton, New Jersey

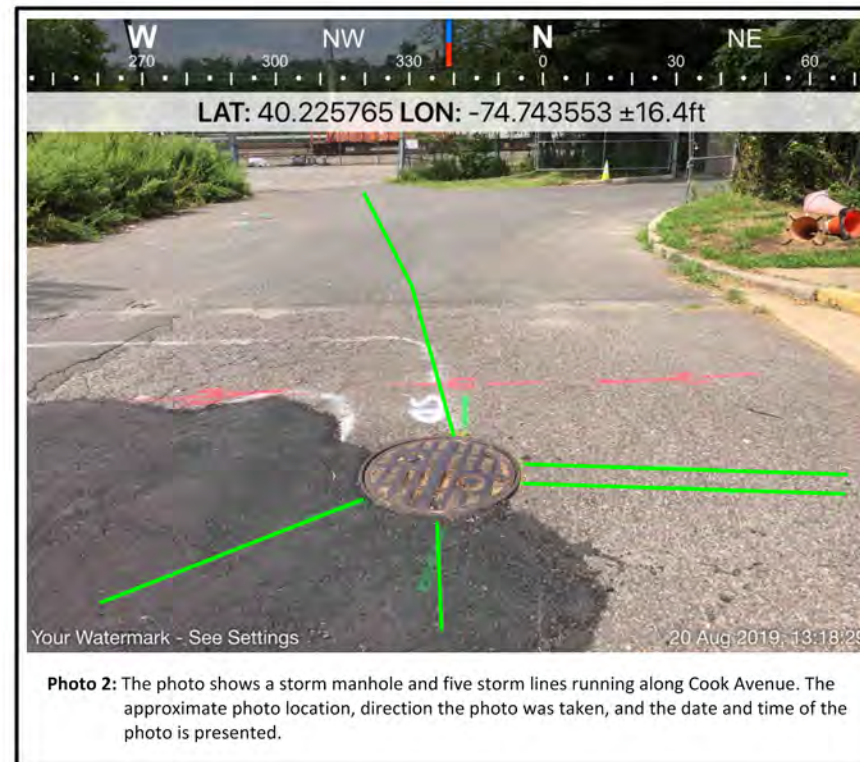
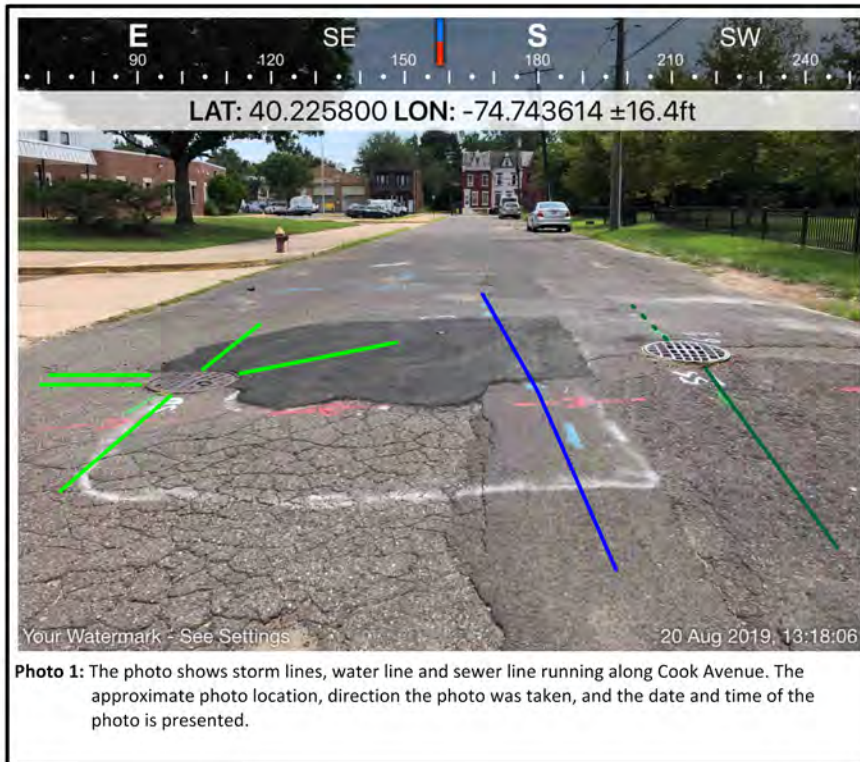


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- (1) The objective of this geophysical survey was to locate buried utility pipelines and subsurface anomalies in the survey area that may interfere with proposed soil removal activities. To meet the objectives of the investigation, SET used an EM31 electromagnetic conductivity (EM) unit by Geonics, Inc, a SIR System 3000 Ground Penetrating Radar (GPR) unit with a 400 MHz antenna by GSSI, Inc., a Radiofrequency (RF) device by Radiodetection, Inc., and a Fisher TW-6 M-Scope. These instruments provided excellent subsurface information to a depth of approximately 4-15 feet bgs.
 - (2) Figure 3 is an annotated map that was provided by The City of Trenton Sewer Department. It shows a storm line that runs through the survey area. Based on a visual inspection of two of the manholes and the invert data shown on the map, the water flows from west-to-east. The pipe is 5'-6" in diameter and is made of concrete. Three manholes were present along the line that include 18-2, 18-3, and 18-4. Manhole 18-2 and 18-3 were observed at the ground surface and manhole 18-4 was buried beneath the access road. Its location on the map is approximate. Unfortunately, the geophysical equipment was adversely affected by an adjacent electric line.
 - (3) The positions on this map should be considered approximate, as should the coordinates presented in the table. They were not measured by a licenced surveyor.
 - (4) The items on this figure may not be all inclusive. SET does not warrant the fact that additional buried features may be present at this site.

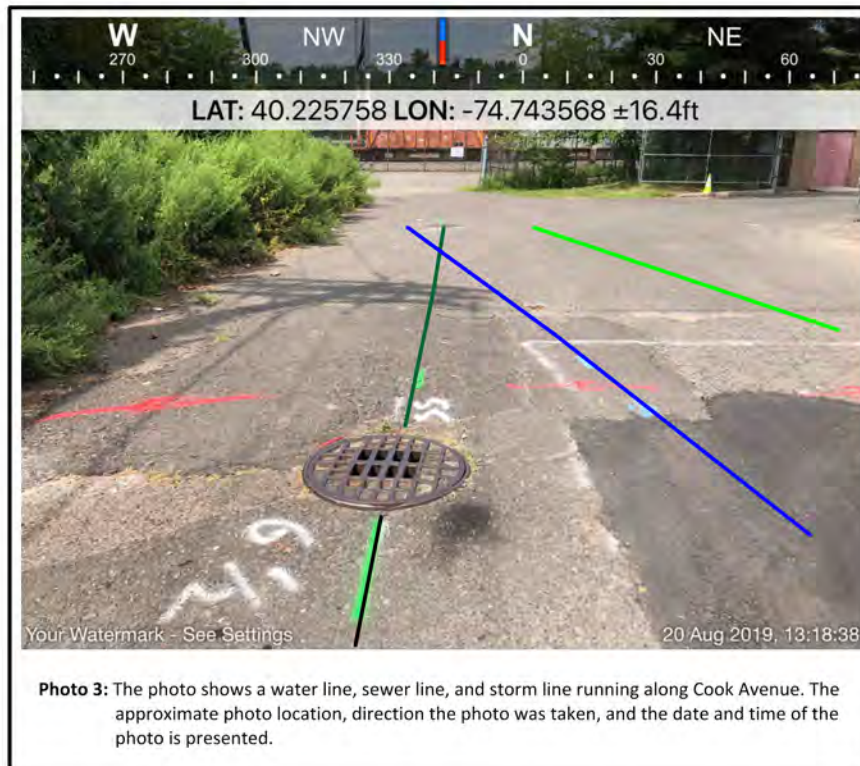
Provided by the City of Trenton Sewer Department (9-6-94)

 <p>SET GEOPHYSICS & DRILLING SERVICES SUBSURFACE ENVIRONMENTAL TECH., LLC. 19 BROOKSIDE AVENUE PENNINGTON, NJ 08534</p>	<p>EAST BARRACKS AMTRAK SITE TRENTON SEWER DEPARTMENT MAP SHOWING DRAIN NO. 18 ALIGNMENT</p>	
	<p>ADDRESS: COOK AVENUE, TRENTON, NEW JERSEY</p>	<p>CLIENT: WOOD</p>
<p>PROJECT: 19-271G</p>	<p>SUBSURFACE ENVIRONMENTAL TECHNOLOGIES, LLC.</p>	
<p>FIGURE DATE: SEPTEMBER 9, 2019</p>	<p>DRAWN BY: P. MILLER, SENIOR GEOPHYSICIST</p>	

East Barracks Site
N. Cook Avenue and E. State Street
Trenton, New Jersey



- Legend:**
- Storm Line
 - Sewer Line
 - Water Line
 - Electric Line
 - Unknown Line



Notes:

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 <p>SET GEOPHYSICS & DRILLING SERVICES SUBSURFACE ENVIRONMENTAL TECH., LLC. 19 BROOKSIDE AVENUE PENNINGTON, NJ 08534</p>	<p>EAST BARRACKS AMTRAK SITE ANNOTATED SITE OPHOTOGRAPHS SHOWING BURIED UTILITIES AND SITE FEATURES</p>	
	<p>ADDRESS: COOK AVENUE, TRENTON, NEW JERSEY</p>	<p>CLIENT: WOOD</p>
<p>PROJECT: 19-271G</p>	<p>SUBSURFACE ENVIRONMENTAL TECHNOLOGIES, LLC.</p>	
<p>FIGURE DATE: SEPTEMBER 9, 2019</p>	<p>DRAWN BY: P. MILLER, SENIOR GEOPHYSICIST</p>	<p>4</p>

East Barracks Site
N. Cook Avenue and E. State Street
Trenton, New Jersey



- Legend:**
- Storm Line
 - Sewer Line
 - Water Line
 - Electric Line
 - Unknown Line

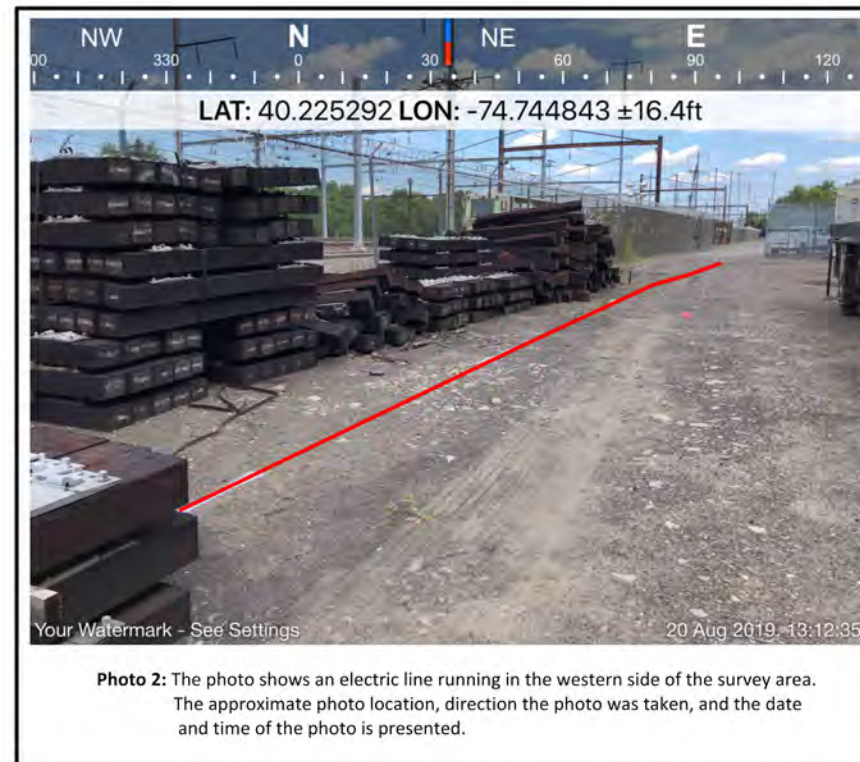


Notes:

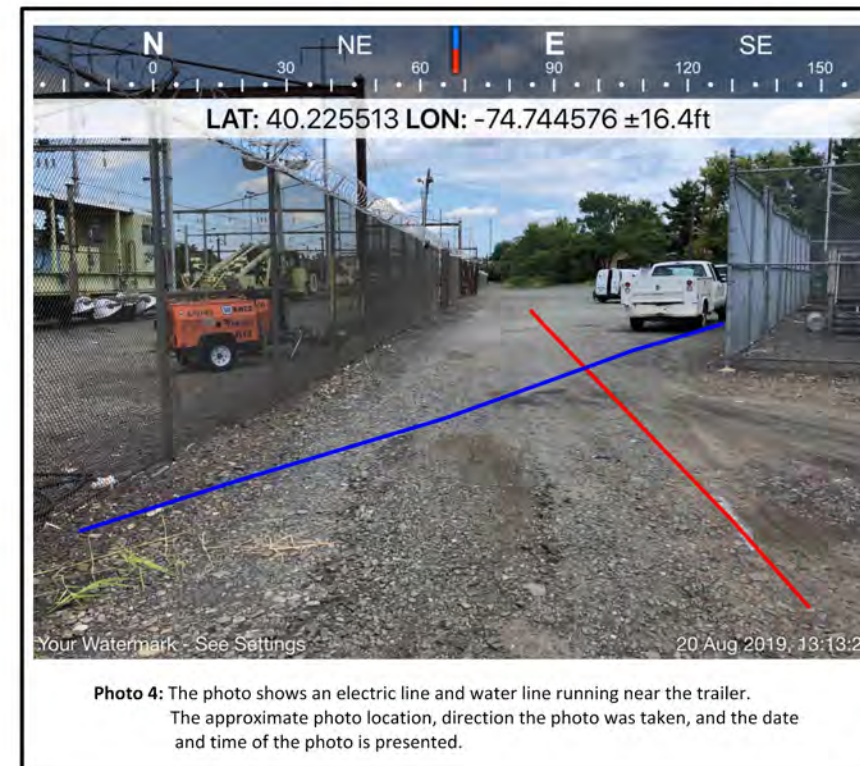
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 SET GEOPHYSICS & DRILLING SERVICES SUBSURFACE ENVIRONMENTAL TECH., LLC. 19 BROOKSIDE AVENUE PENNINGTON, NJ 08534	EAST BARRACKS AMTRAK SITE ANNOTATED SITE OPHOTOGRAPHS SHOWING BURIED UTILITIES AND SITE FEATURES	
	ADDRESS: COOK AVENUE, TRENTON, NEW JERSEY	
PROJECT: 19-271G	CLIENT: WOOD	FIGURE 5
FIGURE DATE: SEPTEMBER 9, 2019	SUBSURFACE ENVIRONMENTAL TECHNOLOGIES, LLC. DRAWN BY: P. MILLER, SENIOR GEOPHYSICIST	

East Barracks Site
N. Cook Avenue and E. State Street
Trenton, New Jersey



- Legend:**
- Storm Line
 - Sewer Line
 - Water Line
 - Electric Line
 - Unknown Line



Notes:

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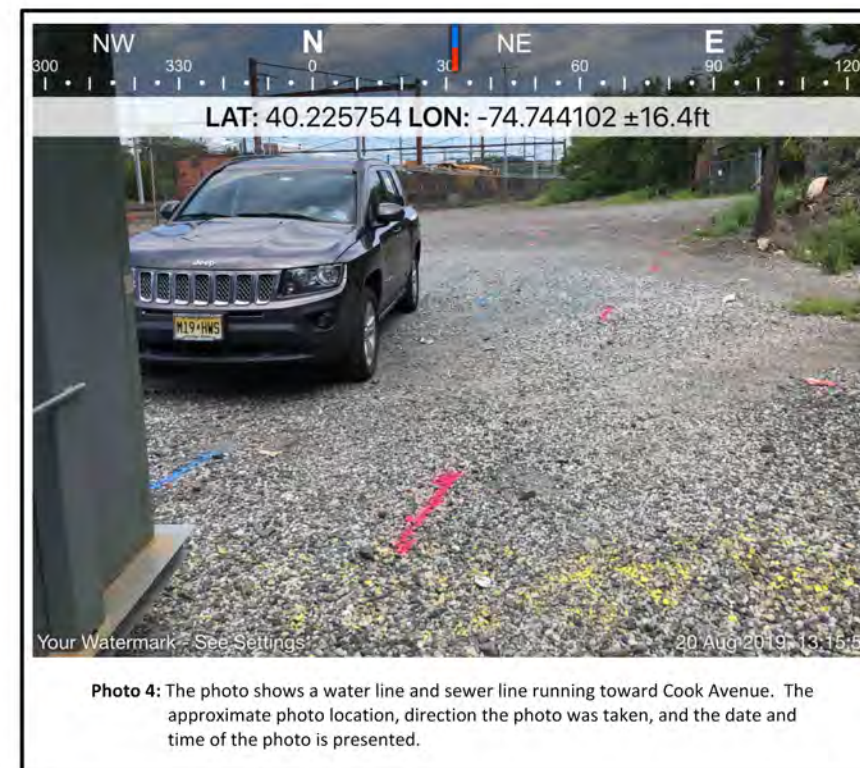
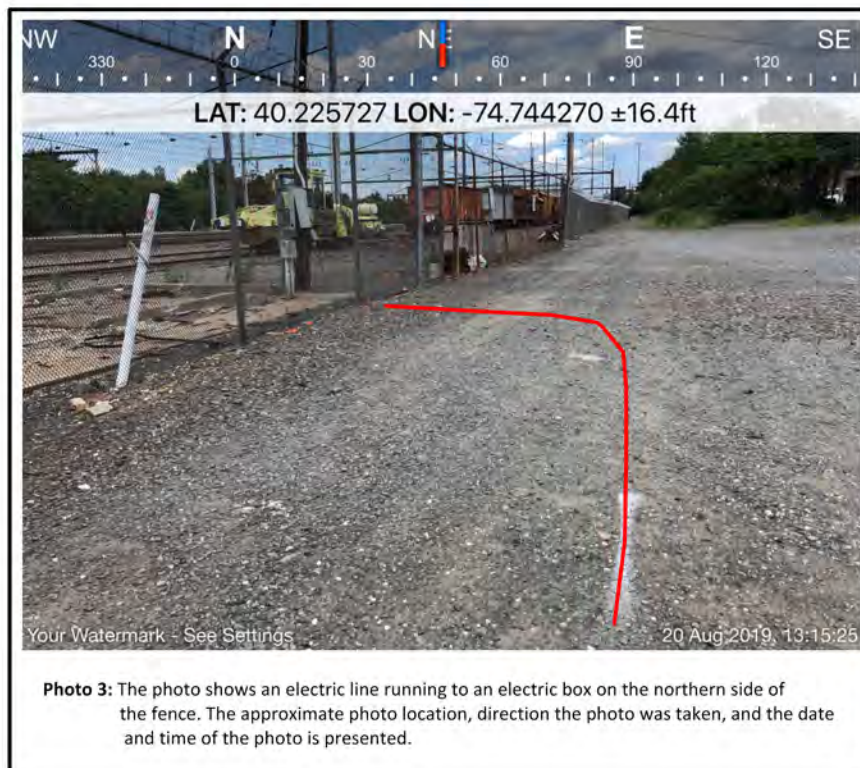
 SET GEOPHYSICS & DRILLING SERVICES SUBSURFACE ENVIRONMENTAL TECH., LLC. 19 BROOKSIDE AVENUE PENNINGTON, NJ 08534	EAST BARRACKS AMTRAK SITE ANNOTATED SITE OPHOTOGRAPHS SHOWING BURIED UTILITIES AND SITE FEATURES	
	ADDRESS: COOK AVENUE, TRENTON, NEW JERSEY	
PROJECT: 19-271G	CLIENT: WOOD	FIGURE 6
FIGURE DATE: SEPTEMBER 9, 2019	DRAWN BY: P. MILLER, SENIOR GEOPHYSICIST	

East Barracks Site
N. Cook Avenue and E. State Street
Trenton, New Jersey



Legend:

- Storm Line
- Sewer Line
- Water Line
- Electric Line
- Unknown Line

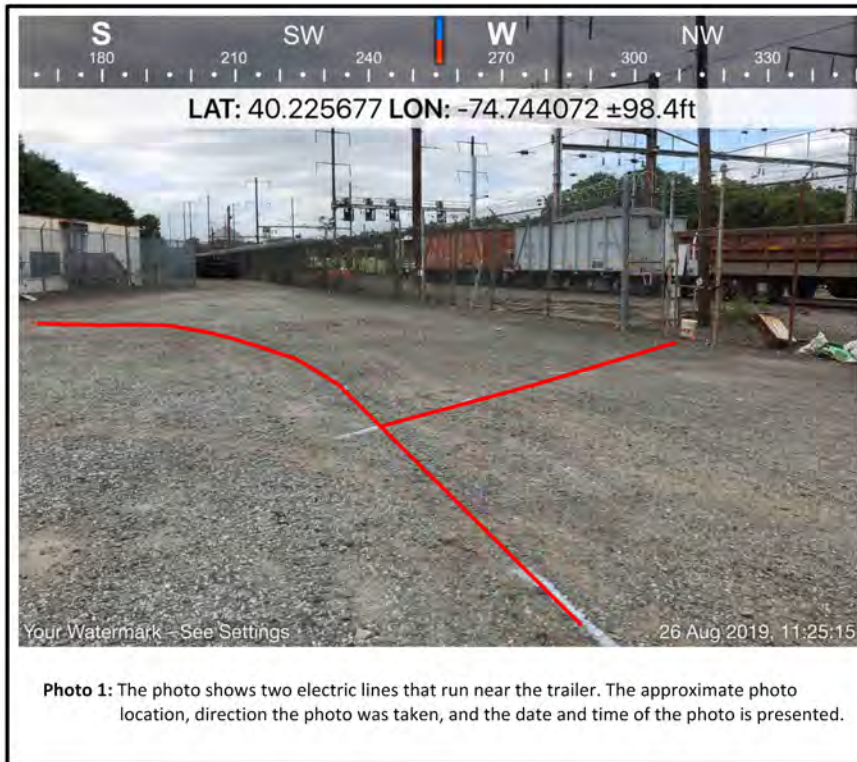


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 SET GEOPHYSICS & DRILLING SERVICES SUBSURFACE ENVIRONMENTAL TECH., LLC. 19 BROOKSIDE AVENUE PENNINGTON, NJ 08534	EAST BARRACKS AMTRAK SITE	
	ANNOTATED SITE PHOTOGRAPHS	
SHOWING BURIED UTILITIES AND SITE FEATURES		
ADDRESS: COOK AVENUE, TRENTON, NEW JERSEY		
CLIENT: WOOD		FIGURE
PROJECT: 19-271G	7	
FIGURE DATE: SEPTEMBER 9, 2019	DRAWN BY: P. MILLER, SENIOR GEOPHYSICIST	

East Barracks Site
N. Cook Avenue and E. State Street
Trenton, New Jersey



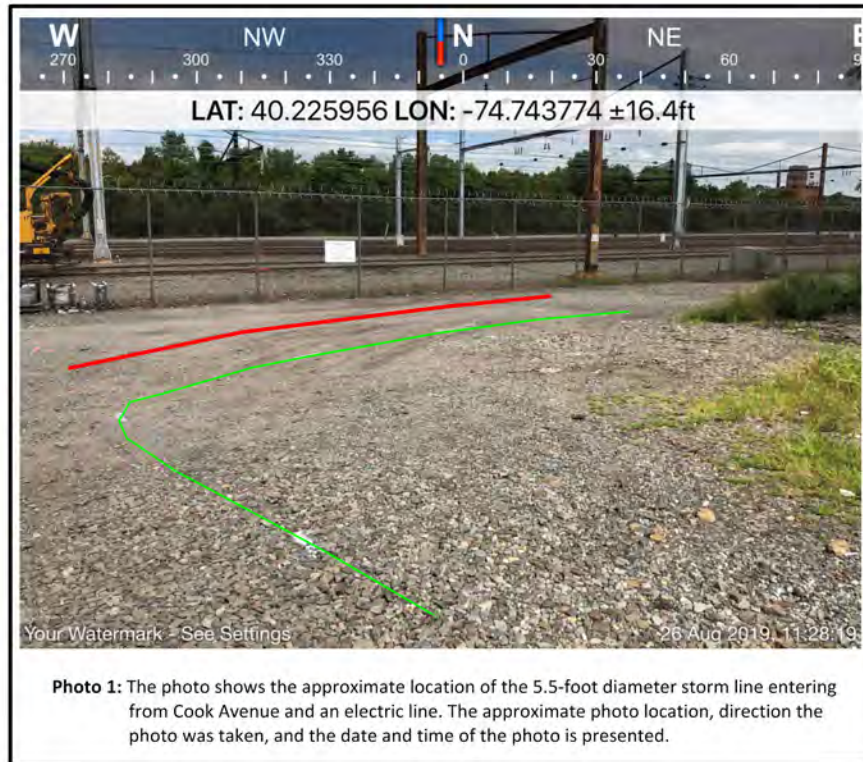
- Legend:**
- Storm Line
 - Sewer Line
 - Water Line
 - Electric Line
 - Unknown Line



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 SET GEOPHYSICS & DRILLING SERVICES SUBSURFACE ENVIRONMENTAL TECH., LLC. 19 BROOKSIDE AVENUE PENNINGTON, NJ 08534	EAST BARRACKS AMTRAK SITE ANNOTATED SITE OPHOTOGRAPHS SHOWING BURIED UTILITIES AND SITE FEATURES	
	ADDRESS: COOK AVENUE, TRENTON, NEW JERSEY	
PROJECT: 19-271G	CLIENT: WOOD	FIGURE 8
FIGURE DATE: SEPTEMBER 9, 2019	DRAWN BY: P. MILLER, SENIOR GEOPHYSICIST	SUBSURFACE ENVIRONMENTAL TECHNOLOGIES, LLC.

East Barracks Site
N. Cook Avenue and E. State Street
Trenton, New Jersey



- Legend:**
- Storm Line
 - Sewer Line
 - Water Line
 - Electric Line
 - Unknown Line



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 SET GEOPHYSICS & DRILLING SERVICES SUBSURFACE ENVIRONMENTAL TECH., LLC. 19 BROOKSIDE AVENUE PENNINGTON, NJ 08534	EAST BARRACKS AMTRAK SITE ANNOTATED SITE OPHOTOGRAPHS SHOWING BURIED UTILITIES AND SITE FEATURES	
	ADDRESS: COOK AVENUE, TRENTON, NEW JERSEY	
PROJECT: 19-271G	CLIENT: WOOD	FIGURE 9
FIGURE DATE: SEPTEMBER 9, 2019	DRAWN BY: P. MILLER, SENIOR GEOPHYSICIST	SUBSURFACE ENVIRONMENTAL TECHNOLOGIES, LLC.

East Barracks Site
N. Cook Avenue and E. State Street
Trenton, New Jersey



Photo 1: The photo shows the approximate location of the 5.5-foot diameter storm line along the access road, an electric line, and an unknown line. The approximate photo location, direction the photo was taken, and the date and time of the photo is presented.



Photo 2: The photo shows storm manhole 18-3, the approximate location of the 5.5-foot diameter storm line next to the fence and an electric line. The approximate photo location, direction the photo was taken, and the date and time of the photo is presented.

- Legend:**
- Storm Line
 - Sewer Line
 - Water Line
 - Electric Line
 - Unknown Line



Photo 3: The photo shows the approximate location of the 5.5-foot diameter storm line next to the fence, an electric line, and an unknown line. The approximate photo location, direction the photo was taken, and the date and time of the photo is presented.

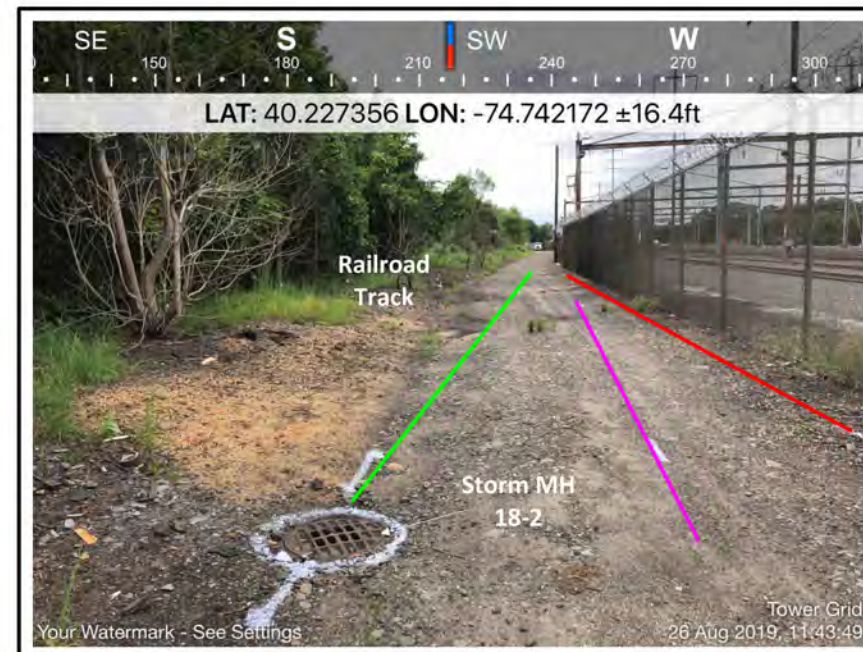


Photo 4: The photo shows storm manhole 18-2, the approximate location of the 5.5-foot diameter storm line next to the fence, an electric line, and an unknown line. The approximate photo location, direction the photo was taken, and the date and time of the photo is presented.

Notes:

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 <p>SET GEOPHYSICS & DRILLING SERVICES</p> <p>SUBSURFACE ENVIRONMENTAL TECH., LLC. 19 BROOKSIDE AVENUE PENNINGTON, NJ 08534</p>	<p>EAST BARRACKS AMTRAK SITE ANNOTATED SITE OPHOTOGRAPHS SHOWING BURIED UTILITIES AND SITE FEATURES</p>	
	<p>ADDRESS: COOK AVENUE, TRENTON, NEW JERSEY</p> <p>CLIENT: WOOD</p>	<p>SUBSURFACE ENVIRONMENTAL TECHNOLOGIES, LLC.</p>
<p>PROJECT: 19-271G</p> <p>FIGURE DATE: SEPTEMBER 9, 2019</p>	<p>DRAWN BY: P. MILLER, SENIOR GEOPHYSICIST</p>	



wood.

**Appendix D:
Soil Boring Logs**



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-97	COORDINATES:	DATE: 02/21/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 12:45	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 14:30	
SAMPLING METHOD: Hand Auger/Geoprobe		PAGE: 1 OF 1	

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Gray medium fine SAND, trace coarse sand, trace fine angular gravel, loose, dry, organics			
	X	0.0		SAA, little coarse angular gravel, trace coal			E-97-0.5-1.0 @12:55
1		0.0					
		0.0					
2		0.0					
		0.0					
3	X	0.0		SAA trace fine subrounded gravel, trace subangular cobbles			E-97-3.0-3.5 @13:18
				EOB @ 3.5' Refusal			
4							
5							
6							
7							
8							

NOTES:

X
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-98	COORDINATES:	DATE: 02/26/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 9:40	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 10:15	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PH/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Gray cmf SAND, little fine subrounded Gravel, loose, dry, organics			
	X	0.0					E-98-0.5-1.0 @09:48
1		0.0					
		0.0					
2		0.0		Dark Brown medium fine SAND, trace fine subrounded Gravel, loose, dry			
		0.0					
3	X	0.0					E-98-3.0-3.5 @10:03
		0.0					
4	X	0.0					Pieces of Slag E-98-4.0-4.5 @10:11
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-99	COORDINATES:	DATE: 02/21/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 13:25	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 14:19	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Gray coarse medium fine SAND, some coarse fine subangular Gravel, loose, dry, pieces of wood			
	X	0.0					E-99-0.5-1.0 @13:29
1		0.0					Pieces of Coal
		0.0					
		0.0					
2		0.0					
		0.0					
		0.0					
3	X	0.0					E-99-3.0-3.5 @14:13
				EOB @ 3.5'			
4				Refusal			
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-100	COORDINATES:	DATE: 02/24/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 10:03	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 11:03	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Brown medium fine SAND and SILT, some subrounded coarse fine Gravel, loose, moist, organics			
	✕	0.0					E-100-0.5-1.0 @10:05
1		0.0					
		0.0		Dark Brown coarse medium fine SAND and SILT, some subangular coarse fine Gravel, loose, moist, pieces of coal			
2				EOB @ 2.0'			
				Refusal - Ballace			3 attempts
3							
4							
5							
6							
7							
8							

NOTES: ✕ Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-101	COORDINATES:	DATE: 02/26/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 11:10
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 11:57
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown coarse medium fine SAND, little fine subrounded Gravel, medium dense, dry			pieces of coal and reb brick
	X	0.0					E-101-0.5-1.0 @13:29
1		0.0					
		0.0					
2		0.0					
		0.0		Dark Brown coarse medium SAND, little fine angular Gravel, medium dense, dry			pieces of coal cinder, fly ash, and concrete
3		0.0					
	X	0.0		Dark Brown coarse medium fine SAND, some fine subrounded Gravel, medium dense, perched wet			pieces of red brick and shells
		0.0					E-101-3.0-3.5 @11:43
4				EOB @ 3.8'			
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-102	COORDINATES:	DATE: 02/24/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 11:31
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 12:13
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown coarse medium fine SAND, little fine subangular Gravel, loose, dry			
	✕	0.0					E-102-0.5-1.0 @11:36
1		0.0		Brown medium fine SAND and SILT, little coarse fine subrounded Gravel, dense, moist, shells, pieces of coal			
		0.0					
2		0.0					
		0.0					
3	✕	0.0		Reddish Brown coarse medium fine SAND, little Silt, coarse fine subrounded Gravel, loose, moist			E-102-3.0-3.5 @11:47
		0.0		Dark Brown coarse medium fine SAND, little fine subrounded Gravel, loose, moist.			
4	✕	0.0					E-102-4.0-4.5 @12:11
							Metals, shells
				EOB @4.5'			
5							
6							
7							
8							

NOTES: ✕ Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-103	COORDINATES:	DATE: 02/24/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 12:55	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 13:19	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown coarse medium fine SAND, trace coarse fine subrounded Gravel, loose, moist, pieces of coal			
	✕	0.0					E-103-0.5-1.0 @13:03
1		0.0		Brown coarse medium fine SAND and SILT, little coarse fine subrounded Gravel, dense, moist			
		0.0					
		0.0					
2		0.0					
		0.0					
		0.0					
3	✕	0.0		S.A.A. pieces of slag			E-103-3.0-3.5 @ 13:14
				EOB @ 3.5'			
4				Refusal- Unknown Debris			
5							
6							
7							
8							

NOTES: ✕ Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-104	COORDINATES:	DATE: 02/24/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 13:21	
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 13:40	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown coarse medium fine SAND, little fine rounded gravel, loose, dry, pieces of shells, organics			
	X	0.0					E-104-0.5-1.0 @13:31
1		0.0		Dary Gray coarse medium fine SAND and fine subrounded GRAVEL loose, moist, pieces of coal			
		0.0					
2		0.0					
		0.0					
3	X	0.0		Brown SILT and medium fine SAND, little fine subrounded gravel, dense, moist			E-104-3.0-3.5 @ 13:37
4				EOB @ 3.5' Refusal - Unknown Debris			
5							
6							
7							
8							


NOTES: Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-105	COORDINATES:	DATE: 02/24/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 13:50
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 14:18
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown coarse medium fine SAND, little coarse fine subrounded Gravel, loose, moist			
	X	0.0					E-105-0.5-1.0 @ 13:58
1		0.0					
		0.0					
		0.0					
2		0.0		S.A.A. Brown coarse medium fine SAND, piece of metal, pieces of red brick, slag			
		0.0					
		0.0					
3	X	0.0					E-105-3.0-3.5 @14:10
		0.0		S.A.A. Brick Ash, pieces of glass			
		0.0					
4	X	0.0					E-105-4.0-4.5 @14:15
				EOB @ 4.5'			
5							
6							
7							
8							


NOTES:  Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-106	COORDINATES:	DATE: 02/26/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 12:15	
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 12:41	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown coarse medium fine SAND, little fine subrounded Gravel, loose, moist, organics			Red Brick slag coal
	X	0.0					E-106-0.5-1.0 + X-12-02262020 @12:33
1		0.0					
		0.0					
2		0.0					
		0.0					
3		0.0		Void Space (possible animal den)			
		0.0					
4	X	0.0		Reddish Brown coarse medium fine SAND, some subangular Gravel, loose, moist			E-106-4.0-4.5 @12:39
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES:  Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-107	COORDINATES:	DATE: 02/24/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 10:35	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 11:40	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown medium fine SAND, trace fine subrounded Gravel, loose, dry, organics, roots, leaves			Ballast and red brick
	X	0.0					E-107-0.5-1.0 @10:45
1		0.0					
		0.0					
2		0.0					
		0.0					Pieces of metal wire
3	X	0.0					E-107-3.0-3.5 @11:27
		0.0					
4	X	0.0					Crushed cement
							E-107-4.0-4.5 @11:37
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES: Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-108	COORDINATES:	DATE: 02/26/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 10:25	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 10:55	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Gray and Black coarse medium fine SAND, little fine subangular to angular Gravel, loose, moist			
	X	0.0					E-108-0.5-1.0 @10:39
1		0.0					Pieces of glass
		0.0		Light Gray coarse medium SAND and COAL ASH, some fine subangular to angular Gravel, loose, dry			
2		0.0					Pieces of slag and coal ash
		0.0					
3	X	0.0					E-108-3.0-3.5 @10:49
		0.0					Also X-12-02262020
4	X	0.0					E-108-4.0-4.5 @10:53
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-109	COORDINATES:	DATE: 02/24/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 8:55	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 10:14	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PIPID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Gray coarse medium fine SAND, some Silt, little coarse fine subrounded gravel, loose, moist, pieces of coal, organics, pieces of trash			
	X	0.0					E-109-0.5-1.0 @09:02
1		0.0					
		0.0					
		0.0					
2		0.0					
		0.0					
		0.0					
3	X	0.0					E-109-3.0-3.5 @10:02
		0.0					
		0.0					
4	X	0.0		Change of color to Brown Brown SILT and coarse medium fine SAND, little fine subrounded Gravel, moist, loose			E-109-4.0-4.5 @10:12
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES: Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-110	COORDINATES:	DATE: 02/21/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 12:05
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 12:29
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown medium fine SAND, little coarse fine angular to subrounded Gravel, trace angular cobble, little coal, loose, dry			
1	X	0.0					E-110-0.5-1.0 @12:14 X-10-02212020
		0.0					
		0.0					
2		0.0					
		0.0					
		0.0					
3	X	0.0					E-110-3.0-3.5 @12:20
		0.0		S.A.A little Clay			
4	X	0.0					E-110-4.0-4.5 @12:27
				EOB @4.3'			
5							
6							
7							
8							

NOTES: Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-111	COORDINATES:	DATE: 02/21/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 11:08	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 11:52	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown medium fine SAND, some coarse fine subrounded Gravel, trace cobble, moist, loose, organics,			
	X	0.0					E-111-0.5-1.0 @11:16
1		0.0					
		0.1		S.A.A trace coal			
2		0.0					
		0.0					
3		0.0					
		0.0					
4	X	0.0		Brown medium fine SAND and coarse fine rounded GRAVEL, dry, loose			E-111-4.0-4.5 @11:27
		0.0					
5	X	0.0		Brown medium fine SAND and SILT, little coarse fine subrounded Gravel, medium dense, dry			E-111-5.0-5.5 @11:50
				EOB @ 5.5'			
6							
7							
8							

NOTES: Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-112	COORDINATES:	DATE: 02/21/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 9:50
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 10:45
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Dark Gray medium fine SAND, little fine subangular gravel, loose, dry			
	✕	0.0					E-112-0.5-1.0 @ 10:10
1		0.0					
		0.0		Dark Gray coarse medium fine SAND, little fine angular and subrounded gravel, loose, dry			
		0.0					pieces of coal
2		0.0					
		0.0					
3	✕	0.0					E-112-4.0-4.5 @ 10:29
				EOB @ 3.6'			
4				Refusal			
5							
6							
7							
8							

NOTES:

✕
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-113	COORDINATES:	DATE: 02/20/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 13:25
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 13:52
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown medium fine SAND and SILT, trace fine subrounded Gravel, loose, dry, organics and red brick			
	✕	0.0					E-113-0.5-1.0 @13:34
1		0.0		Dark Grey medium fine subangular GRAVEL, pieces of coal, loose, dry			
		0.0					
2	✕	0.0		Greyish Brown medium fine SAND, trace fine subrounded gravel, pieces of coal, loose moist			E-113-2.0-2.5 @13:37
		0.0					
3		0.0		Brown fine SAND, some Silt, little subrounded gravel, medium dense, moist			
		0.0		White and Grey cmf SAND and coal ash, f subangular gravel, pieces of coal			
4		0.0		Black and Dark Grey medium fine SAND, some Silt, little cf angular gravel, gravel basalt, loose, moist			
				EOB @ 3.8'			
				Refusal			
5							
6							
7							
8							

NOTES:

✕
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-114	COORDINATES:	DATE: 02/21/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 09:22
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 09:45
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown medium fine SAND, trace fine subangular Gravel, loose, dry, organics			Pieces of coal and slag E-114-0.5-1.0 @09:30
1	X	0.0					
		0.0					
		0.0					
2		0.0					
		0.0					
		0.0		Brown medium fine SAND and SILT, trace fine subrounded Gravel, loose, dry			
3	X	0.0		Dark Brown and Black coarse medium fine SAND, little fine angular Gravel, trace coarse angular gravel, loose, moist			E-114-3.0-3.5 @09:36
				EOB @ 3.6'			
4				Refusal			
5							
6							
7							
8							

NOTES:

X
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-115	COORDINATES:	DATE: 02/21/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 08:45	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 09:15	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Drak Brown medium fine SAND, trace fine subangular Gravel, organics, loose, dry			
	✕	0.0					E-115-0.5-1.0 @09:00
1		0.0		Dark Brown medium fine SAND, trace fine subanguar Gravel, loose, dry			Pieces of coal and slag, fly ash, glass
		0.0					
2	✕	0.0		Brown medium fine SAND, little fine subrounded Gravel, loose, dry			E-115-2.0-2.5 @09:06
		0.0					
3		0.0					Pieces of glass and coal
		0.0					
4	✕	0.0		Dark Brown medium fine SAND and SILT, trace fine subangular Gravel, medium dense, dry			E-115-4.0-4.5 @09:12 Pieces of coal and slag
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES: ✕ Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-116	COORDINATES:	DATE: 02/20/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 13:00
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 13:23
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Black medium fine SAND, trace fine subrounded Gravel, organics, loose, moist			
	X	0.0					E-116-0.5-1.0 @13:03
1		0.0					
		0.0		Brown medium fine SAND, little fine subrounded Gravel, loose, dry			
	X	0.0					E-116-2.0-2.5 @13:10
2		0.0					
		0.0		White and Grey coarse medium fine SAND and FLY ASH, fine subangular Gravel, pieces of coal, loose, dry			
3		0.0					
	X	0.0					E-116-4.0-4.5 @13:18
4		0.0					
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES:

X
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-117	COORDINATES:	DATE: 02/20/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 09:49
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 10:30
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Very Dark Grey medium fine SAND, some Silt, little coarse fine subrounded gravel, loose, moist, organics, trash			
	✕	0.0					E-117-0.5-1.0 @09:55
1		0.0					
		0.0					Ballast and metal debris @2.5'
	✕	0.0					E-117-2.0-2.5 @10:05
2		0.0					
	✕	0.0					E-117-3.0-3.5 @10:25
3		0.0					
				EOB @ 3.5'			
4				Refusal			Note: This location is elevated about 4' above ground surface
5							
6							
7							
8							

NOTES:

✕
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-118	COORDINATES:	DATE: 02/20/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 08:55
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 09:30
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.1		Very Dark Grey coarse medium fine SAND, some Silt, little coarse fine subangular to subrounded gravel, loose, moist			
	✕	0.1					E-118-0.5-1.0 @09:08
1		0.1		Pieces of Coal			
		0.1		Layer of Pea-Gravel, coarse medium fine SAND and rounded coarse fine GRAVEL, color change to Brown, loose, moist			
2	✕	0.1					E-118-2.0-2.5 @09:20
		0.0					
3	✕	0.0					E-118-3.0-3.5 @09:25
				EOB @ 3.5'			
4				Refusal			
5							
6							
7							
8							

NOTES:

✕
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-119	COORDINATES:	DATE: 02/07/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 11:50	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 12:24	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little subangular fine Gravel, trace ballast, medium loose, moist			
	X	0.0		Yellow Brown coarse medium fine SAND, little fine subrounded Gravel, moist, loose			E-119-0.5-1.0 @12:03
1		0.0		Dark Brown and Black coarse medium fine SAND, little fine subangular Gravel, medium loose, moist			
		0.0		Yellow Brown coarse medium fine SAND, little coarse fine subrounded Gravel, medium loose, moist			
2	X	0.0					E-119-2.0-2.5 @12:10
		0.0					
3	X	0.0					E-119-3.0-3.5 @12:20
		0.0					
4	X	0.0					E-119-4.0-4.5 @12:24
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-120	COORDINATES:	DATE: 02/20/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 10:45	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 11:25	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown medium fine SAND, some Silt, little subangular and subrounded gravel, loose, moist, organics			
	X	0.0					E-120-0.5-1.0 @10:53
1		0.0					
		0.0					
2	X	0.0		Pieces of coal and coal ash, moist, SAA			E-120-2.0-2.5 @10:57
		0.0					
3	X	0.0					E-120-3.0-3.5 @11:10
				EOB @ 3.6'			
4				Refusal			
5							
6							
7							
8							

NOTES: Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-121	COORDINATES:	DATE: 02/07/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 09:00
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 09:50
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little Silt, little fine subangular gravel, medium dense, moist			
	X	0.0					E-121-0.5-1.0 @ 09:20
1		0.0					
		0.0					
2	X	0.0					E-121-2.0-2.5 @ 09:38
		0.0					
3	X	0.0		Yellow Brown medium fine SAND, little subrounded fine gravel, medium dense, moist			E-121-3.0-3.5 @ 09:42 Possible Concrete/Culvert/Com Line
				EOB @ 3.5'			
4							
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-122	COORDINATES:	DATE: 02/10/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 11:30
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 12:10
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little subangular Gravel, trace cobble, medium loose, moist			
	X	0.0					E-122-0.5-1.0 @ 11:53
1		0.0					
		0.0					
2	X	0.0					E-122-2.0-2.5 @ 12:07
		0.0					
3	X	0.0		Orange Brown coarse medium fine SAND, little rounded to subrounded coarse fine Gravel, trace cobble, medium loose, moist			E-122-3.0-3.5 @ 12:15
				EOB @ 3.5'			
4				Refusal Possible Suspected Utility See S.E.T. Report			
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-123	COORDINATES:	DATE: 02/07/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 10:05	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 10:45	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little fine subrounded and subangular Gravel, medium dense, dry			
	✕	0.0					E-123-0.5-1.0 @10:23
1		0.0					
		0.0					
2	✕	0.0					E-123-2.0-2.5 @10:24
		0.0					
3	✕	0.0		Light Brown and Yellow Brown medium fine SAND, little fine subrounded Gravel, trace coarse gravel, medium dense, moist			E-123-3.0-3.5 @10:40
				EOB @ 3.5'			Hard Concrete or metal possible sewer utility
4				Refusal			
5							
6							
7							
8							

NOTES: ✕ Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-124	COORDINATES:	DATE: 02/07/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 12:38
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 13:10
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little fine subangular to angular Gravel, trace coarse gravel and cobbles, medium dense, moist Pieces of coal, coal ash, and cinder			
1	X	0.0					E-124-0.5-1.0 @ 12:46
		0.0					
		0.0					Difficult Augering Due to Ballast
2	X	0.0					E-124-2.0-2.5 @ 13:02
		0.0					
3				EOB @ 3.0' Refusal			
4							
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-125	COORDINATES:	DATE: 02/20/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 11:35
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 12:47
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Very Dark Grey/Black medium fine SAND, little Silt, little coarse fine subrounded gravel, loose, moist, organics, pieces of coal			
	X	0.0					E-125-0.5-1.0 @11:40
1		0.0					
		0.0					
		0.0		Coal and Cobbles @1.8-2.0'			
	X	0.0					E-125-2.0-2.5 @12:40
2		0.0					
		0.0					
		0.0		EOB @ 3.7' Refusal			
	X	0.0					E-125-3.0-3.5 @12:47
3		0.0					
		0.0					
4							
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-126	COORDINATES:	DATE: 02/07/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 13:30
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 14:10
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Greyish Brown medium fine SAND, trace fine subangular Gravel, loose, moist			
1	X	0.0		Dark Brown and Black coarse medium SAND, little fine subangular Gravel, pieces of slag, coal and cinder, loose, moist			E-126-0.5-1.0 @13:35 Also Duplicate
		0.0					
		0.0					
2	X	0.0					E-126-2.0-2.5 @13:39
		0.0		SAA w/Ballast			
		0.0					
3	X	0.0					E-126-3.0-3.5 @13:50
		0.0					
4	X	0.0					E-126-4.0-4.5 @14:10
				EOB at 4.5'			
5							
6							
7							
8							

NOTES:

X
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-127	COORDINATES:	DATE: 02/10/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 12:25
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 12:51
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little coarse fine subangular Gravel, trace cobble, medium loose, moist pieces of glass, slag, coal and plastic			
	✕	0.0					E-127-0.5-1.0 @12:37 X-03-02102020
1		0.0					
		0.0					
		0.0		EOB @ 2.5' Refusal			
2	✕	0.0					E-127-2.0-2.5 @12:51
3							
4							
5							
6							
7							
8							

NOTES:

✕
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-128	COORDINATES:	DATE: 02/13/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 11:28	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 11:49	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little subrounded Gravel, loose, moist			
1	X	0.0					E-128-0.5-1.0 @11:32 pieces of slag
		0.0					
		0.0					
2	X	0.0		Dark Brown coarse medium fine SAND, little coarse fine subrounded Gravel, medium dense, moist			E-128-2.0-2.5 @11:44
		0.0					
3	X	0.0					E-128-3.0-3.5 @11:49
		0.0					
4				EOB @ 3.9' Refusal			
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-129	COORDINATES:	DATE: 02/13/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 12:45	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 13:20	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little fine subangular Gravel, loose, moist			
	X	0.0		Brown coarse medium SAND, little fine subrounded Gravel, medium dense, moist			E-129-0.5-1.0 @12:58
1		0.0					
		0.0					
2	X	0.0					E-129-2.0-2.5 @13:12
				EOB @ 2.5' Refusal - Possible Utility			
3							
4							
5							
6							
7							
8							


NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-130	COORDINATES:	DATE: 02/13/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 09:18	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 09:55	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little fine subangular Gravel, loose, dry			pieces of slag
	X	0.0					E-130-0.5-1.0 @09:22
1		0.0					
		0.0					
		0.0					
2	X	0.0					E-130-2.0-2.5 @09:34
		0.0					
		0.0		Light Brown coarse medium fine SAND, trace fine subrounded Gravel, loose, med moist			
3	X	0.0					E-130-3.0-3.5 @09:45
				EOB @3.6'			
4				Refusal - Suspected Utility/Culvert			
5							
6							
7							
8							

NOTES:  Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-131	COORDINATES:	DATE: 02/13/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 10:48	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 11:15	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, trace coarse fine subrounded Gravel, medium dense, moist			
	X	0.0					E-131-0.5-1.0 @10:55 pieces of red brick
1		0.0					
		0.0					
2				EOB @2.0' Refusal @2.0' Multiple Attempts, Also Possible Utility in the Area			
3							
4							
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-132	COORDINATES:	DATE: 02/13/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 09:56
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 10:45
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little fine subangular gravel, trace coarse subrounded gravel			
	✕	0.0					E-132-0.5-1.0 @10:03
1		0.0					pieces of plastic, metal
		0.0					
	✕	0.0					E-132-2.0-2.5 @10:10
2		0.0					pieces of coal and slag, 2.5'
		0.0					
3				EOB @2.7' Refusal - multiple attempts			
4							
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-133	COORDINATES:	DATE: 02/13/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 13:20
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 14:20
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, trace fine subrounded Gravel, trace cobble, medium dense, dry			
	X	0.0					E-133-0.5-1.0 @13:39
1		0.0					pieces of slag
		0.0					
	X	0.0					E-133-2.0-2.5 @13:49
2		0.0					
		0.0		Dark Brown coarse medium SAND, trace fine subrounded Gravel, medium loose, medium moist			
	X	0.0					E-133-3.0-3.5 @14:05
3		0.0					
		0.0					
	X	0.0					E-133-4.0-4.5 @14:15
4							
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-134	COORDINATES:	DATE: 02/26/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 15:00	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 15:19	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Very Dark Gray coarse medium fine SAND, some coarse fine subangular Gravel, little silt, medium loose, moist			
	X	0.0					E-134-0.5-1.0 @15:03
1		0.0		Brown coarse medium fine SAND, some coarse fine subrounded Gravel, loose, moist			
		0.0					
2	X	0.0					E-134-2.0-2.5 @15:09
		0.0					
3	X	0.0					E-134-3.0-3.5 @15:12
		0.0					
4	X	0.0		Brown SILT and CLAY, some medium fine Sand, little coarse fine subrounded gravel, stiff, moist, low plasticity			E-134-4.0-4.5 @15:19
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-135	COORDINATES:	DATE: 02/26/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 15:30
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 15:52
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Gray coarse medium fine SAND, trace coarse angular Gravel, trace fine subangular gravel, organics, loose, dry			
	✕	0.0					E-135-0.5-1.0 @15:35
1		0.0					
		0.0		Dark Brown coarse medium fine SAND, little fine subrounded Gravel, medium desne, medium moist			
	✕	0.0					E-135-2.0-2.5 @15:52
2							
				EOB @2.5'			
3							
4							
5							
6							
7							
8							

NOTES:

✕
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-136	COORDINATES:	DATE: 02/13/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 14:27
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 15:20
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little fine subrounded Gravel, loose, moist			
1	X	0.0					E-136-0.5-1.0 @14:38 Duplicate X-06-02132020
		0.0					pieces of slag
2	X	0.0					E-136-2.0-2.5 @14:43
		0.0					
3	X	0.0		Brown and White coarse medium SAND, little fine subangular Gravel, trace cobbles, medium loose, moist			E-133-3.0-3.5 @15:11 fly ash and slag
		0.0					
4	X	0.0					E-136-4.0-4.5 @15:20
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-137	COORDINATES:	DATE: 02/13/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 15:38
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 16:30
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown coarse medium fine SAND, little fine subangular Gravel, loose, dry			
	X	0.0					E-137-0.5-1.0 @15:47
1		0.0		Light Brown coarse medium fine SAND, little subrounded Gravel, medium loose, dry			
		0.0		Dark Brown and Black coarse medium fine SAND, little subangular Gravel, medium loose, dry			
2	X	0.0		Light Brown coarse medium fine SAND, little subrounded fine Gravel, medium loose, dry			E-137-2.0-2.5 @15:54
		0.0					
3	X	0.0					E-137-3.0-3.5 @16:27
		0.0					
4				EOB @ 3.7' Refusal			
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-138	COORDINATES:	DATE: 02/18/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 10:36
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 11:49
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little coarse subangular Gravel, trace cobbles, loose, moist			
	✕	0.0					E-138-0.5-1.0 @10:44
1		0.0					
		0.0					Ballast @1.5' in area of defunk siding track
	✕	0.0		Brown medium fine SAND and SILT, trace fine subangular Gravel, med dense, moist			E-138-2.0-2.5 @11:45
2							
				EOB @ 2.5' Refusal - Major Ballast			
3							
4							
5							
6							
7							
8							

NOTES: ✕ Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-139	COORDINATES:	DATE: 02/10/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 13:10	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 13:30	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, some Clay, little fine subangular gravel, loose, moist			
	X	0.0					E-139-0.5-1.0 @13:28
1		0.0					
				EOB @ 1.5' Ballast			
2							
3							
4							
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-140	COORDINATES:	DATE: 02/10/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1348	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1415	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	<input checked="" type="checkbox"/>	0		Dark Brown and Black COBBLE, some coarse fine angular Gravel, loose, dry			E-140 - 0.5 - 1.0 @ 1358
		0		EOB 1.0'			
2				Refusal - Excessive Ballast and Cobbles			
3							
4							
5							
6							
7							
8							

NOTES: Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-141	COORDINATES:	DATE: 02/27/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 11:25
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 12:05
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Gray coarse medium fine SAND, little fine subangular Gravel, trace coarse subangular gravel, loose, dry			
	✕	0.0					E-141-0.5-1.0 @11:30
1		0.0					pieces of tin foil
		0.0					pieces of glass
2	✕	0.0					E-141-2.0-2.5 @11:35
							Large amount of Ballast
3				EOB @ 2.5' Refusal - Ballast			
4							
5							
6							
7							
8							

NOTES:


Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-142	COORDINATES:	DATE: 02/12/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 13:10	
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 13:46	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black medium fine SAND, little fine subrounded Gravel, loose, dry			
	X	0.0					E-142-0.5-1.0 @ 13:14
1		0.0					pieces of slag
		0.0					
	X	0.0		Dark Brown and Black coarse fine SAND, trace fine subrounded Gravel, medium dense, dry			E-142-2.0-.25 @ 13:33
2		0.0					X-05-02122020
		0.0					pieces of slag and coal, coal ash
	X	0.0					E-142-3.0-3.5 @ 13:37
3		0.0					
		0.0		Brown medium fine SAND, trace fine subrounded Gravel, medium dense, dry			
	X	0.0					E-142-4.0-4.5 @ 13:46
4							
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES:  Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-143	COORDINATES:	DATE: 02/12/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 15:25
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 16:10
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little fine subangular Gravel, medium dense, dry			
	X	0.0					E-143-0.5-1.0 @ 15:36
1		0.0					
		0.0		Dark Brown and Black coarse medium SAND, trace fine subangular Gravel, dense, dry			
	X	0.0					E-143-2.0-2.5 @ 15:50 pieces of slag
2		0.0					
		0.0		Yellow Brown coarse medium fine SAND, trace fine subrounded Gravel, dense, dry			
	X	0.0					E-143-3.0-3.5 @ 15:58
3		0.0					
4				EOB @ 3.8' Refusal			
5							
6							
7							
8							

NOTES: Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-144	COORDINATES:	DATE: 02/12/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 14:40
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 15:20
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little fine subangular Gravel, loose, dry			Pieces of wire
	✕	0.0					E-144-0.5-1.0 @ 14:51
1		0.0					
		0.0					
2	✕	0.0					E-144-2.0-2.5 @ 15:01
		0.0					
3	✕	0.0		Yellow Brown medium fine SAND, trace fine subrounded Gravel, loose, dry			E-144-3.0-3.5 @ 15:12
4				EOB @ 3.5' Refusal - Suspected Utility/Culvert			
5							
6							
7							
8							

NOTES:

✕
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-145	COORDINATES:	DATE: 02/12/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 14:00
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 14:25
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little fine subrounded to rounded Gravel, loose, dry			
1	X	0.0					E-145-0.5-1.0 @ 14:02
		0.0					
		0.0					
2	X	0.0					E-145-2.0-2.5 @ 14:09
		0.0					
3	X	0.0		Yellow Brown medium fine SAND, trace fine subrounded, trace subrounded coarse Gravel, loose, dry			E-145-3.0-3.5 @ 14:15
4				EOB @ 3.5' Suspected Culvert/Utility			
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-146	COORDINATES:	DATE: 02/18/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 11:03
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 12:30
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black medium fine SAND, little fine subrounded and subangular Gravel and Basalt, loose, med moist			
1	X	0.0					E-146-0.5-1.0 @ 11:06 pieces of slag and glass
		0.0					
		0.0					
2	X	0.0		Dark Brown and Black medium fine SAND, little fine subrounded Gravel, loose, moist			E-146-2.0-2.5 @ 12:10 Hard Augering
		0.0		Light Brown medium fine SAND, trace fine subrounded Gravel, medium dense, moist			pieces of coal
3	X	0.0					E-146-3.0-3.5 @ 12:22
		0.0					
4	X	0.0		Light Brown medium fine SAND, trace fine subangular Gravel, medium dense, moist			E-146-4.0-4.5 @ 12:30 pieces of slag and coal
				EOB @4.5'			Note: Located in elevated area, old rail line
5							
6							
7							
8							

NOTES: Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-147	COORDINATES:	DATE: 02/11/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 10:40	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 11:15	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown to Black medium fine SAND, some coarse fine subangular Gravel, medium dense, moist, pieces of glass			
	X	0.0					E-147-0.5-1.0 @ 10:52
1		0.0					
		0.0					
		0.0					
2	X	0.0		Yellow Brown coarse medium fine SAND, little coarse fine subrounded gravel, medium dense, moist			E-147-2.0-2.5 @ 11:01
		0.0					
		0.0					
3	X	0.0					E-147-3.0-3.5 @ 11:10
				EOB @3.5'			
4				Refusal			
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-148	COORDINATES:	DATE: 02/18/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 12:18
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 13:15
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Gray coarse medium fine SAND, some coarse fine angular and subangular gravel, little silt, dry			
1	X	0.0		Dark Brown coarse medium fine SAND, some subangular coarse fine gravel			E-148-0.5-1.0 @ 12:41
		0.0					
		0.0					
2	X	0.0		Dark Brown to Very Dark Brown coarse medium fine SAND, some subangular coarse fine Gravel, little silt, dry			E-148-2.0-2.5 @ 13:01
		0.0					
3	X	0.0		Dark Brown to Very Dark Brown coarse medium fine SAND, little rounded fine gravel, dry			E-148-3.0-3.5 @ 13:11
				EOB @ 3.5'			
4							
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-149	COORDINATES:	DATE: 02/12/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 10:00	
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 10:30	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown to Black coarse medium fine SAND, some medium fine rounded to subrounded Gravel, little silt, medium loose, dry, pieces of bitumnu coal			
	✕	0.0					E-149-0.5-1.0 @ 10:10
1		0.0					
		0.0					pieces of slag
	✕	0.0		Yellow Brown coarse medium SAND, little subrounded fine gravel, medium dense, moist			
2		0.0					E-149-2.0-2.5 @ 10:22
		0.0					
	✕	0.0					E-149-3.0-3.5 @ 10:27
3							
				Refusal EOB @ 3.5'			
4							
5							
6							
7							
8							

NOTES: ✕ Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-150	COORDINATES:	DATE: 02/11/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 10:05
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 10:38
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little subrounded fine gravel, medium dense, pieces of coal, coal ash and (unknown), and wood			
1	X	0.0					E-150-0.5-1.0 @ 10:09
		0.0		Dark Brown medium fine SAND, little subrounded fine gravel, med dense, moist			
2	X	0.0					E-150-2.0-2.5 @ 10:34
3		0.0		EOB @3.0' Refusal - 2 Attempts			
4							
5							
6							
7							
8							

NOTES:


Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-151	COORDINATES:	DATE: 02/11/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 11:45
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 11:55
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X			Dark Brown and Black coarse medium fine SAND, little subangular fine gravel, medium dense			E-151-0.5-1.0 @ 11:50
				EOB @ 0.7'			
				Asphalt/Dense Material			
2							
3							
4							
5							
6							
7							
8							

NOTES:  Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-152	COORDINATES:	DATE: 02/12/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 09:15	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 09:50	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, little fine subrounded Gravel, trace cobble, pieces of concrete, loose, dry			
1	X	0.0					E-152-0.5-1.0 @ 09:18
		0.0					
		0.0					
2	X	0.0					E-152-2.0-2.5 @ 09:27
		0.0					
3		0.0		Brown medium fine SAND, little subrounded gravel, medium dense, moist			
		0.0					
4	X	0.0		Black coarse medium SAND, some fine pieces of coal, loose, dry			E-152-4.0-4.5 @ 09:50
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES: Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-153	COORDINATES:	DATE: 02/12/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 11:40	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 12:05	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown coarse medium fine SAND, little subrounded to rounded fine gravel			
	X	0.0					E-153-0.5-1.0 @ 11:44
1		0.0					pieces of shells
		0.0					
	X	0.0		Brown medium fine SAND, little subrounded fine gravel			E-153-2.0-2.5 @ 11:57
2		0.0					
		0.0		Dark Brown and Black coarse medium SAND, trace subangular fine gravel			pieces of coal
3		0.0					
				EOB @ 3.1'			
				Refusal Suspected Utility			
4							
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-154	COORDINATES:	DATE: 02/27/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 12:35
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 12:50
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Yellow Brown medium fine SAND, trace fine rounded Gravel, dense, med moist			
	✕	0.0					E-154-0.5-1.0 @ 12:40
1		0.0					
		0.0					
		0.0					
2	✕	0.0					E-154-2.0-2.5 @ 12:45
		0.0					
3		0.0		S.A.A. Moist			
				EOB @ 3.4'			
4				Refusal			
5							
6							
7							
8							

NOTES:

✕ Soil sample was collected for chemical analysis.
 HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-155	COORDINATES:	DATE: 02/12/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 12:15
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 12:42
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Brown medium fine SAND, trace fine subrounded Gravel, loose, dry			Roots, glass, and plastics
	X	0.0					E-155-0.5-1.0 @ 12:25
1		0.0		Yellow medium fine SAND, trace subrounded fine Gravel, loose, med moist			pieces of shells
		0.0					
	X	0.0					E-155-2.0-2.5 @ 12:29
2		0.0					
		0.0					
		0.0		Dark Brown coarse medium fine SAND, trace fine subrounded to rounded Gravel, trace coarse subrounded coarse gravel, loose, moist			pieces of coal and roots @ 3.8'
		0.0					
	X	0.0					E-155-4.0-4.5 @ 12:38
4							
				EOB @ 4.5'			
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-156	COORDINATES:	DATE: 02/29/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 13:00
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 13:20
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Gray coarse medium fine SAND, some coarse fine subangular gravel, very dense, dry			
	X	0.0					E-156-0.5-1.0 @ 13:05 Red brick, shell
1		0.0					
2				EOB @ 1.5' Refusal			
3							
4							
5							
6							
7							
8							

NOTES:

X
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-157	COORDINATES:	DATE: 02/27/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 13:40	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 13:55	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Gray coarse medium fine SAND, some subangular Gravel, loose, dry			
	✕	0.0					E-157-0.5-1.0 @ 13:47
1		0.0					
		0.0					Very Dense
2				EOB @ 1.7' Refusal			
3							
4							
5							
6							
7							
8							

NOTES: ✕ Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-158	COORDINATES:	DATE: 02/11/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 09:15	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 09:25	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium fine SAND, trace subangular fine gravel, medium loose, moist			
	✗	0.0					E-158-0.5-1.0 @ 09:20
1		0.0					
				EOB @ 1.5'			
2				Refusal Ballast and coarse Gravel			
3							
4							
5							
6							
7							
8							

NOTES: ✗ Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-159	COORDINATES:	DATE: 02/25/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 10:35
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 11:17
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Brown coarse medium fine SAND, some subrounded gravel medium dense, dry			
1	X	0.0					E-159-0.5-1.0 @ 10:40
		0.0					
		0.0					
2	X	0.0					E-159-2.0-2.5 @ 10:53
		0.0					
3				EOB @ 2.7'			
4							
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-160	COORDINATES:	DATE: 02/06/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1315	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1334	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	<input checked="" type="checkbox"/>	0		Dark Brown and Black cmf SAND; trace silt; trace fine subrounded gravel; med loose			E-160 - 0.5 - 1.0 @ 1324
		0					
		0		Yellow Brown mf SAND; little fine subrounded Gravel; trace cobble; med dense moist			E-160 - 2.0 - 2.5 @1328
2	<input checked="" type="checkbox"/>	0					
		0					
		0		EOB @2.5'			
3							
4							
5							
6							
7							
8							

NOTES: Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-161	COORDINATES:	DATE: 02/06/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1225	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1300	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown and Black cm SAND; trace fine angular Gravel; little coal ash and cinder; loose; moist			E-161 - 0.5 - 1.0 @ 1232
2	X	0		Yellow Brown cmf SAND; little fine subrounded Gravel; trace cobble; med dense, moist			E-161 - 2.0 - 2.5 @ 1255
3				EOB @2.5'			
4							
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-162	COORDINATES:	DATE: 02/10/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 10:05	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 10:20	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Brown and Black coarse medium SAND, little subangular fine gravel, medium dense, moist			
	X	0.0		Light Brown coarse medium fine SAND, little subrounded fine gravel, med dense, moist			E-162-0.5-1.0 @ 10:12
1		0.0					
		0.0					
	X	0.0					E-162-2.0-2.5 @ 10:16
2							
				EOB @ 2.5'			
3							
4							
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



amec
foster
wheeler

SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-163	COORDINATES:	DATE: 02/11/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1139	
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1211	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Brown coarse medium fine SAND; little fine rounded Gravel; little clay; loose; dry			E-163 - 0.5-1.0 @ 1149
		0					
		0					
2	X	0					E-163 - 2.0-2.5 @ 1154
		0					
		0					
3		0		Light Brown medium fine SAND; little fine Gravel; loose; dry			
		0					
		0					
4	X	0					E-163 - 3.5-4.0 @ 1201
		0					
		0					
5				EOB 4'			
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-164	COORDINATES:	DATE: 02/27/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 09:20
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 09:42
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Dark Gray coarse medium fine SAND, some subrounded and subangular gravel, loose, moist			
	X	0.0					E-164-0.5-1.0 @ 09:33 X-13-02262020
1		0.0					
		0.0					
	X	0.0					E-164-2.0-2.5 @ 09:38
2		0.0					
				EOB @ 2.5'			
3							
4							
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-165	COORDINATES:	DATE: 02/25/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 11:50
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 12:30
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Brown medium fine SAND, some subangular Gravel, dense, dry			
	X	0.0					E-165-0.5-1.0 @12:02
1		0.0					
		0.0		Dark Gray coarse medium fine SAND, pieces of coal, very dense, dry			Pieces of slag and coal
	X	0.0					E-165-2.0-2.5 @12:16
2		0.0					
		0.0		Brown coarse medium fine SAND, little subrounded to subangular gravel, very dense			Pieces of coal
	X	0.0					E-165-3.5-4.0 @ 12:30
3							
4				EOB @ 4.0'			
5							
6							
7							
8							

NOTES:

X
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-166	COORDINATES:	DATE: 02/25/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 11:21
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 11:40
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0.0		Brown medium fine SAND, little silt, trace fine subrounded gravel and cobble, organics, loose, dry			
	X	0.0					E-166-0.5-1.0 @ 11:26
1		0.0					Pieces of concrete and red brick
		0.0					
	X	0.0					E-166-2.0-2.5 @ 11:31
		0.0					
3		0.0					
				EOB @ 3.3'			
				Refusal			
4							
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-167	COORDINATES:	DATE: 02/25/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1323	
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1350	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Grey coarse medium fine SAND; trace medium angular coarse Gravel, loose, moist			E-167-0.5-1.0 @ 1328
		0		Dark grey coarse medium SAND; loose; moist; fly ash			pieces of coal
2	X	0		Dark Grey coarse medium SAND; trace medium coarse angular Gravel; med dense; moist			E-167-2.0-2.5 @ 1335
		0		Brown coarse medium fine SAND; some subangular and subrounded Gravel; med dense; moist			
4	X	0		Brown medium fine SAND and SILT; trace Subangular Gravel; med dense; moist			E-167-3.5-4.0 @ 1345
		0		EOB 4.0'			
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-168	COORDINATES:	DATE: 02/25/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 0907
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 0936
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown cmf SAND; some subrounded Gravel; loose; moist			E-168-0.5-1.0 @ 0915
		0		Bown mf SAND; trace fine subrounded Gravel; loose; moist			
2	X	0		Dark Gray cmf SAND and fine subangular Gravel; med dense; dry			E-168-2.0-2.5 @ 0924 Pices of coal
		0		Gray and White cm SAND and fly ash; pieces of coal/ash			
4	X	0		Dark Brown mf SAND; trace fine subangular Gravel; loose; dry			E-168-3.5-4.0 @ 0934
		0		EOB 4.0'			
5							
6							
7							
8							

NOTES:

X
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-169	COORDINATES:	DATE: 02/19/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 1516
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 1551
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
	X	0		Brown SILT and CLAY; some f Sand; little subangular f gravel; soft; moist			
1	X	0		Layer of angular COBBLE			E-169-0.5-1.0 @ 1520
		0		Black/ Very Dark Gray cmf SAND; some f subrounded Gravel; loose; moist; pieces of coal			
2	X	0					E-169-2.0-2.5 @ 1539
		0					
3		0					
	X	0		color change to Brown; wet			E-169-3.5-4.0 @ 1551
4		0		EOB 4.0'			
5							
6							
7							
8							

NOTES:

X
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-170	COORDINATES:	DATE: 02/25/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 1000
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 1018
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
	X	0		Dark Brown mf SAND; trace fine subrounded gravel, loose, dry			
1	X	0		Brown mf SAND; little silt; little subrounded gravel; trace coarse subangular gravel; loose; dry			E-170-0.5-1.0 @ 1005
		0					Pieces of Asphalt
		0					
2	X	0		Reddish Brown mf SAND; trace subrounded gravel; loose; dry			E-170-2.0-2.5 @ 1012
		0					
3		0		EOB @2.9 Refusal			
4							
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-171	COORDINATES:	DATE: 02/06/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1345	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1410	
SAMPLING METHOD: Hand Auger/Geoprobe		PAGE: 1 OF 1	

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown coarse medium fine SAND; trace fine subangular Gravel; med loose; moist			E-171-0.5-1.0 @ 1358 E-Dup 020620
		0					
2	X	0		Yellow Brown coarse medium fine SAND; little Silt; little fine subrounded gravel; trace cobble; med loose; moist			E-171-2.0-2.5 @1404
		0					
3				EOB 2.8' Refusal - subrounded to rounded Cobble			
4							
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-172	COORDINATES:	DATE: 02/10/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1030	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1100	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown and Black coarse medium SAND, little fine subangular Gravel, trace cobble, med dense, moist			E-172-0.5-1.0 @ 1037
2	X	0		Yellow Brown cmf SAND, little fine subrounded to rounded gravel, med dense, moist			
3	X	0		Dark Brown coarse medium fine SAND; little subrounded fine Gravel, pieces of coal, cinder and slag, med loose, moist			E-172-2.0-2.5 @ 1045
4				EOB 3.3' Refusal - suspected utility See S.E.T. Utility Report			
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-173	COORDINATES:	DATE: 02/19/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1430	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1512	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0		Very Dark Brown cmf SAND; some cf subrounded Gravel; loose; moist			
1	X	0		Layer of angular COBBLES			E-173-0.5-1.0 @ 1445
		0					
2	X	0					E-173-2.0-2.5 @ 1457
		0					
3		0		Brown SILT and mf SAND; some rounded to subrounded Gravel; med stiff; moist; low plasticity			
		0					
4	X	0					E-173-3.5-4.0 @ 1512
				EOB 4.0'			
5							
6							
7							
8							

NOTES: Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-174	COORDINATES:	DATE: 02/27/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 0825
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 0859
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
0		0		Brown medium fine SAND and SILT, trace fine subrounded gravel, dry, loose, organics			
1	X	0					E-174-0.5-1.0 @ 0832
2		0		Brown medium fine SAND; little Silt; little coarse fine subrounded gravel, loose, dry			Pieces of Asphalt and concrete
2	X	0					E-174-2.0-2.5 @ 0844
3		0					
4	X	0		Brown medium fine SAND and SILT; little fine subrounded Gravel, loose, dry			E-174-3.5-4.0 @ 0854
4				EOB 4.0'			
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-175	COORDINATES:	DATE: 02/19/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1320	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1353	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Very Dark Brown mf SAND; little cf subrounded gravel; loose; moist; organics			E-175-0.5-1.0 @ 1325 & X-9-02192020
		0					
		0					
2	X	0		Color change to Brown			E-175-2.0-2.5 @ 1337
		0					
		0					
3		0		Color change to Light Brown			
		0					
		0					
4	X	0		Gray cmf SAND; some f angular Gravel; loose; wet			E-175-3.5-4.0 @ 1353
		0					
		0					
EOB 4.0'							
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-176	COORDINATES:	DATE: 02/11/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1329	
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1358	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
0		0		Brown CLAY and SILT; trace fine subangular Gravel, med dense; loose			
1	X	0					E-176-0.5-1.0 @ 1339
2	X	0		Brown medium SAND; trace coarse fine subrounded Gravel; med dense; loose			E-2.0-2.5 @1346 Dup X-4
3		0					
4	X	0					E-176-3.5-4.0 @1353
4				EOB @4.0'			
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-177	COORDINATES:	DATE: 02/11/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 1225
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 1303
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
	X	0		Brown medium fine SAND; little Silt; trace coarse subrounded gravel; loose moist			E-177-0.5-1.0 @ 1235
1		0					
		0		Light Brown medium fine SAND; little coarse subangular			
2	X	0					E-177-2.0-2.5 @ 1246
		0					
3		0					
	X	0					E-177-3.5-4.0 @1258
4				EOB @ 4.0			
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-178	COORDINATES:	DATE: 02/06/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1030	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1220	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown and Black cmf SAND; little silt; some fine angular; and subangular gravel; trace pieces of coal and slag			E-178-0.5-1.0 @ 1042
		0					
2	X	0					E-178-2.0-2.5 @ 1208
		0					
3	X	0					E-178-3.0-3.5 @ 1215
		0					
4				EOB 3.5'			
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-179	COORDINATES:	DATE: 02/10/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 0925	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1000	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown and Black coarse medium SAND; little subrounded fine Gravel; med dense; moist			E-179-05-1.0 @ 0939
		0		Light Brown coarse medium fine SAND; little subrounded fine Gravel; trace coarse gravel; medium dense, moist			
2	X	0		Orange and Dark Brown coarse medium SAND; little rounded to subrounded coarse fine Gravel; med loose; moist			E-179-2.0-2.5 @ 0947
		0					
3	X	0					E-179-3.0-3.5 @ 0954
		0					
EOB 3.5'							
4							
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-180	COORDINATES:	DATE: 02/19/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 1355
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 1415
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Reddish Brown SILT and f SAND; some coarse fine subrounded Gravel; med stiff; moist; low plasticity; pieces of			E-180-0.5-1.0 @ 1405
		0					
2	X	0		Yellow Brown CLAY and SILT; some fine sand; little of subrounded gravel; med stiff; moist; low plasticity			E-180-1.5-2.0 @ 1415
		0		EOB 2.0'			
3							
4							
5							
6							
7							
8							

NOTES:

X
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-181	COORDINATES:	DATE: 02/19/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 1238
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 1305
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Reddish Brown CLAY and SILT; some f sand; trace of subrounded gravel; med stiff; moist; low plasticity; organics; pieces of coal			E-181-0.5-1.0 @ 1247
2	X	0					E-181-1.5-2.0 @ 1305
				EOB 2.0'			
3							
4							
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-182	COORDINATES:	DATE: 02/19/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1215	
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1226	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
	X	0		Very Dark Gray coarse medium fine SAND; little rounded to subrounded cf gravel; loose; moist; pieces of coal Color change to Dark Brown			
1		0					E-182-0.5-1.0 @ 1218
	X	0					
2		0					E-182-1.5-2.0 @ 1226
				EOB 2.0'			
3							
4							
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-183	COORDINATES:	DATE: 02/19/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1052	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1110	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0		Very Dark Gray/Black coarse medium fine SAND; some coarse fine rounded Gravel; little silt; loose; moist			
1	X	0		Color change to brown; medium fine SAND; some coarse fine rounded Gravel; med loose; moist			E-183-0.5-1.0 @ 1059
2	X	0					E-183-1.5-2.0 @ 1110
				EOB 2.0'			
3							
4							
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-184	COORDINATES:	DATE: 02/19/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1118	
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1127	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
	X	0		Very Dark Brown medium fine SAND; some subangular Gravel; little silt; loose; moist			
1	X	0		4" Brown f SAND; some silt; little coarse fine subrounded gravel; loose; moist			E-184-0.5-1.0 @ 1120
	X	0					
2	X	0					E-184-1.5-2.0 @ 1127
				EOB 2.0'			
3							
4							
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-185	COORDINATES:	DATE: 02/19/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1035	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1042	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown medium fine SAND; some silt; some coarse fine subrounded gravel; loose; moist; organics			E-185-0.5-1.0 @ 1039
2	X	0					E-185-1.5-2.0 @ 1042
EOB 2.0'							
3							
4							
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-186	COORDINATES:	DATE: 02/06/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 1005
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 1025
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
	X	0		Dark Brown and Black coarse medium fine SAND; little coarse fine subangular gravel; med dense; moist			
1		0		Yellow Brown medium fine SAND; little coarse fine subrounded gravel; med dense; moist			E-186-0.5-1.0 @1015
	X	0					
2		0		EOB 2.0'			E-186-1.5-2.0 @1021
3							
4							
5							
6							
7							
8							

NOTES:


Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-187	COORDINATES:	DATE: 02/06/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 0920	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 0955	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown cmf SAND; some cm gravel; trace cobbles, loose, dry			E-187-0.5-1.0 @ 0934
		0					
2	X	0		Yellow Brown cm SAND; cm gravel; trace cobble, loose, dry			E-187-1.5-2.0 @ 0950
		0					
				EOB 2.0'			
3							
4							
5							
6							
7							
8							

NOTES:  Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-188	COORDINATES:	DATE: 02/18/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 1600
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 1615
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0		Dark Brown and Black cmf SAND; little fine angular gravel, loose, moist			
1	X	0		Dark Brown cmf SAND; little fine subrounded to rounded gravel; trace fine angular gravel, loose, moist			E-188-0.5-1.0 @ 1603
		0					
2	X	0					E-188-1.5-2.0 @ 1614
		0		EOB 2.0'			
3							
4							
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-189	COORDINATES:	DATE: 02/19/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 0858	
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 0911	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Very Dark Brown medium fine SAND; some Silt; little fine subrounded gravel; loose; moist; organics			E-189-0.5-1.0 @ 0905
		0					
2	X	0		Very Dark Brown coarse medium fine SAND; some subrounded to rounded gravel; loose; dry; organics			E-189-1.5-2.0 @ 0911
		0					
EOB 2.0'							
3							
4							
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-190	COORDINATES:	DATE: 02/14/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1347	
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1404	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown abd Black cmf SAND; little fine subrounded and subangular gravel, loose, dry			E-190-0.5-1.0 @ 1352
		0					
2	X	0					E-190-1.5-2.0 @ 1339*
		0					
		0		EOB 2.5'			
3							
4							
5							*E-190-1.5-2.0 @1339(2-18-20) Collecetd on a different day than other sample
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-191	COORDINATES:	DATE: 02/14/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 0945	
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1358	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown medium fine SAND; some silt; little fine subrounded gravel; dense, moist			pieces of plastic and concrete
		0					E-191-0.5-1.0 @ 0955
2	X	0		Reddish Brown medium fine SAND and CLAY; trace fine subangular gravel; very dense, moist			E-191-1.5-2.0 @ 1358*
		0					pieces of coal and concrete, glass, and wood
3				EOB 2.5'			
4							
5							*E-191-1.5-2.0 @1358(2-18-20) Collecetd on a different day than other sample
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-192	COORDINATES:	DATE: 02/14/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1050	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1110	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown mf SAND; little silt; trace fine subrounded gravel; loose			pieces of wire, brick, glass E-192-0.5-1.0 @ 1058
		0					
2	X	0		Brown mf SAND; little fine subrounded gravel; loose; moist			E-192-1.5-2.0 @1410(2-18-20)*
		0					
				EOB 2.5'			
3							
4							
5							*E-192-1.5-2.0 @1410(2-18-20) Collecetd on a different day than other sample
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-193	COORDINATES:	DATE: 02/18/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 1415
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 1450
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown; mf SAND; trace fine subrounded gravel; trace cobble; roots; glass; plastic; and metal, loose, moist			E-193-0.5-1.0 @ 1426 pieces of roots, glass, plastic, metal
		0					
2	X	0					E-193-2.0-2.5 @ 1432 coal and cinder pieces of brick
		0					
3	X	0		Brown mf SAND; little fine subrounded and rounded Gravel, loose, moist			E-193-3.0-3.5 @ 1446
		0					
EOB 3.5'							
4							
5							
6							
7							
8							

NOTES:

X
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-194	COORDINATES:	DATE: 02/18/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1518	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1552	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Brown mf SAND; trace of subrounded gravel; loose; dry			E-194-0.5-1.0 @ 1533
		0					
2	X	0					E-194-2.0-2.5 @ 1540
		0					
3	X	0		Light Brown mf SAND; little silt; trace of subrounded gravel, loose, dry			E-194-3.0-3.5 @ 1547
		0					
4				EOB 3.5'			
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-195	COORDINATES:	DATE: 02/18/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1452	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1525	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown mf SAND; little rounded to subrounded fine; loose; dry			E-195-0.5-1.0 @ 1458
		0					
2	X	0					E-195-2.0-2.5 @ 1502
		0					
3	X	0		Brown mf SAND; trace coarse rounded gravel; loose; dry Light Brown mf SAND; trace rounded Gravel, loose, dry			E-195-3.0-3.5 @ 1513
		0					
4				EOB 3.5'			
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-196	COORDINATES:	DATE: 02/19/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 0937	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1012	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Brown mf SAND; some subrounded to rounded Gravel; little silt; loose; moist; organics; pieces of trash			E-196-0.5-1.0 @ 0944
		0					
		0					
2	X	0					E-196-2.0-2.5 @ 0950
		0					
		0					
3	X	0					E-196-3.0-3.5 @ 1011
		0					
		0					
4				EOB 3.5'			
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-197	COORDINATES:	DATE: 02/14/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 1145
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 1210
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown medium fine SAND; little silt; trace fine subrounded gravel, loose dry			Pieces of Brick E-197-0.5-1.0 @ 1145
2				EOB 1.5' Refusal - concrete slab 6 Attempts			
3							
4							
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-198	COORDINATES:	DATE: 02/14/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 1300
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 1334
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0		Brown mf SAND; trace fine subrounded gravel; moist; loose			
1	X	0					E-198-0.5-1.0 @ 1315 Also Dup X-7
2	X	0					E-198-2.0-2.5 @ 1322
3	X	0		Light Brown mf SAND and SILT; little fine subrounded gravel; loose, moist			E-198-3.0-3.5 @ 1329
		0		EOB 3.5'			
4							
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-199	COORDINATES:	DATE: 02/14/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 1228	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1244	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown medium fine SAND; trace fine subrounded gravel, loose, dry			E-199-0.5-1.0 @ 1233
		0					
2	X	0		Brown mf SAND; little fine subrounded and subangular gravel, loose, dry			Pieces of glass
		0					E-199-2.0-2.5 @ 1239
3				EOB 2.5'			
4							
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-200	COORDINATES:	DATE: 02/25/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 1400
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 1446
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS	
	X	0		Dark Brown coarse medium fine SAND; some coarse fine subangular Gravel; loose, wet				
1		0					E-200-0.5-1.0 @ 1406	
	X	0						
2		0					E-200-2.0-2.5 @ 1435	
	X	0						
3		0						
	X	0						
4		0					E-200-3.5-4.0 @ 1441	
					EOB 4.0'			
5								
6								
7								
8								

NOTES:

X
Soil sample was collected for chemical analysis.
HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-201	COORDINATES:	DATE: 02/11/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 0935	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 1052	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown and Black cmf SAND little subrounded fine gravel; med dense; moist			E-201-0.5-1.0 @ 0940
		0					
2	X	0		Orange Brown cm SAND little subrounded fine gravel; med loose, moist			E-201-2.0-2.5 @ 0952
		0					
3				EOB 2.8' Refusal - suspected utility culvert			
4							
5							
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-202	COORDINATES:	DATE: 02/11/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 0930	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 0935	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
		0		Dark Brown and Black coarse medium fine SAND little fine subangular gravel			No Samples
1				EOB 0.5' Asphalt Refusal			
2							
3							
4							
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-203	COORDINATES:	DATE: 02/26/20	
GROUND ELEVATION:	GWL: Depth: N/A	Date/Time: N/A	TIME STARTED: 1330
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A	Date/Time: N/A	TIME COMPLETED: 1410
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown coarse medium fine SAND; trace sub rounded Gravel; loose; moist			E-203-0.5-1.0 @1348
		0					
2	X	0		Dark Grey coarse medium SAND			Pieces of coal
		0		Dark Brown coarse medium fine SAND; little subrounded Gravel			E-203-2.0-2.5 @1403
		0		Dark Grey and Brown coarse medium fine SAND trace subangular gravel; dense; moist			
3				EOB 2.7'			
4							
5							
6							
7							
8							

NOTES:

Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-204	COORDINATES:	DATE:	02/18/20
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED:	09:00
ENGINEER/GEOLOGIST: DellaFave/Rittinger	Depth: N/A Date/Time: N/A	TIME COMPLETED:	09:59
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Brown and Black coarse medium fine SAND; little fine rounded to subrounded ground; loose; moist			E-204-0.5-1.0 @0910
		0					
2	X	0		Same as Above with trace coarse angular gravel and cobbles; loose and moist			E-204-2.0-2.5 @ 0938
		0					Red Shirt at 2.5
3	X	0					E-204-3.0-3.5 @ 0948
		0					
4	X	0		Brown coarse medium SAND; little fine subrounded to rounded gravel; loose moist			E-204-4.0-4.2 @ 0956
		0					
5				EOB 4.2 Suspected Culver @ 4.2' BGS			
6							
7							
8							

NOTES: X Soil sample was collected for chemical analysis. HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-205	COORDINATES:	DATE: 02/27/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 10:05	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 10:45	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Grey coarse medium fine SAND; little fine subangular gravel; loose; moist			E-205-0.5-1.0 @10:15 Pieces of concrete Pieces of metal
		0					
		0					
2	X	0					E-205-3.0-3.5 @10:20
		0					
		0					
3	X	0		Brown, coarse medium fine SAND; little subrounded gravel; moist; dense			E-205-3.0-3.5 @ 10:40
		0					
		0					
4				EOB 3.5			E-203-4.0-4.5 Not sampled
				Refusal			
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



SOIL BORING LOG

PROJECT NUMBER: 277710568	PROJECT NAME: Amtrak, East Barracks, Trenton, Mercer County, New Jersey		
BORING NUMBER: E-206	COORDINATES:	DATE: 02/27/20	
GROUND ELEVATION:	GWL: Depth: N/A Date/Time: N/A	TIME STARTED: 10:51	
ENGINEER/GEOLOGIST: DellaFave/Ritinger	Depth: N/A Date/Time: N/A	TIME COMPLETED: 11:10	
SAMPLING METHOD: Hand Auger/Geoprobe			PAGE: 1 OF 1

DEPTH (FT.)	SAMPLE (FT.)	PID/FID READINGS	GRAPHIC LOG	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY	REMARKS
1	X	0		Dark Grey cmf SAND; little fine subangular gravel; trace coarse subangular gravel, loose, dry			Pieces of coal and cinder
		0					E-206-0.5-1.0 @10:55
2	X	0		Dark Grey and Dark Brown cmf SAND little fine subangular gravel, loose, dry			Pieces of coal and cinder
		0					E-206-3.0-3.5 @11:00
3				EOB 2.8'			
4							
5							
6							
7							
8							

NOTES:



Soil sample was collected for chemical analysis.

HA- Hand Auger



wood.

**Appendix E:
Laboratory Analytical Data Packages**



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Lab Number: L2005778

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK EAST BARRACKS

Project Number: 277710568.0008.06

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**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0008.06		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2005778		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/07/2020		Date of Last Sample Receipt: 02/07/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-187-0.5-1.0	L2005778-01	AMTRAK EAST BARRACKS	02/06/2020 09:34
E-187-1.5-2.0	L2005778-02	AMTRAK EAST BARRACKS	02/06/2020 09:50
E-186-0.5-1.0	L2005778-03	AMTRAK EAST BARRACKS	02/06/2020 10:15
E-186-1.5-2.0	L2005778-04	AMTRAK EAST BARRACKS	02/06/2020 10:21
E-178-0.5-1.0	L2005778-05	AMTRAK EAST BARRACKS	02/06/2020 10:42
E-178-2.0-2.5	L2005778-06	AMTRAK EAST BARRACKS	02/06/2020 12:08
E-178-3.0-3.5	L2005778-07	AMTRAK EAST BARRACKS	02/06/2020 12:15
E-161-0.5-1.0	L2005778-08	AMTRAK EAST BARRACKS	02/06/2020 12:32
E-161-2.0-2.5	L2005778-09	AMTRAK EAST BARRACKS	02/06/2020 12:55
E-160-0.5-1.0	L2005778-10	AMTRAK EAST BARRACKS	02/06/2020 13:24
E-160-2.0-2.5	L2005778-11	AMTRAK EAST BARRACKS	02/06/2020 13:28
E-171-0.5-1.0	L2005778-12	AMTRAK EAST BARRACKS	02/06/2020 13:58
E-171-2.0-2.5	L2005778-13	AMTRAK EAST BARRACKS	02/06/2020 14:04
X01-020620	L2005778-14	AMTRAK EAST BARRACKS	02/06/2020 00:00
EB-1-020620	L2005778-15	AMTRAK EAST BARRACKS	02/06/2020 14:55
E-121-0.5-1.0	L2005778-16	AMTRAK EAST BARRACKS	02/07/2020 09:20
E-121-2.0-2.5	L2005778-17	AMTRAK EAST BARRACKS	02/07/2020 09:38
E-121-3.0-3.5	L2005778-18	AMTRAK EAST BARRACKS	02/07/2020 09:42
E-123-0.5-1.0	L2005778-19	AMTRAK EAST BARRACKS	02/07/2020 10:23
E-123-2.0-2.5	L2005778-20	AMTRAK EAST BARRACKS	02/07/2020 10:34
E-123-3.0-3.5	L2005778-21	AMTRAK EAST BARRACKS	02/07/2020 10:40

Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0008.06	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2005778	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/07/2020	Date of Last Sample Receipt: 02/07/2020

E-119-0.5-1.0	L2005778-22	AMTRAK EAST BARRACKS	02/07/2020 12:03
E-119-2.0-2.5	L2005778-23	AMTRAK EAST BARRACKS	02/07/2020 12:10
E-119-3.0-3.5	L2005778-24	AMTRAK EAST BARRACKS	02/07/2020 12:20
E-119-4.0-4.5	L2005778-25	AMTRAK EAST BARRACKS	02/07/2020 12:24
E-124-0.5-1.0	L2005778-26	AMTRAK EAST BARRACKS	02/07/2020 12:46
E-124-2.0-2.5	L2005778-27	AMTRAK EAST BARRACKS	02/07/2020 13:02
E-126-0.5-1.0	L2005778-28	AMTRAK EAST BARRACKS	02/07/2020 13:35
E-126-2.0-2.5	L2005778-29	AMTRAK EAST BARRACKS	02/07/2020 13:39
E-126-3.0-3.5	L2005778-30	AMTRAK EAST BARRACKS	02/07/2020 13:50
E-126-4.0-4.5	L2005778-31	AMTRAK EAST BARRACKS	02/07/2020 14:10
X-2-0207202	L2005778-32	AMTRAK EAST BARRACKS	02/07/2020 00:00
EB-2-020720	L2005778-33	AMTRAK EAST BARRACKS	02/07/2020 14:05

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.

Technical Director/Representative (Typed) Michelle Morris

02/21/20

Technical Director/Representative (Signature)

Michelle M. Morris

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Chain of Custody





**NEW JERSEY
CHAIN OF
CUSTODY**

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3289

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 4
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

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Date Rec'd
In Lab 2/7/20

ALPHA Job #
L2005778

Project Information	Deliverables	Billing Information
Project Name: <u>Amtrak EastBarracks</u>	<input checked="" type="checkbox"/> NJ Full / Reduced	<input type="checkbox"/> Same as Client Info
Project Location: <u>TRENTON</u>	<input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)	PO#
Project # <u>277710568.0008.04</u>	<input type="checkbox"/> Other	

Client Information	Regulatory Requirement	Site Information
Client: <u>WUOD</u>	<input checked="" type="checkbox"/> SRS Residential/Non Residential	Is this site impacted by Petroleum? Yes <input type="checkbox"/>
Address: <u>285 DAVIDSON AVE</u>	<input checked="" type="checkbox"/> SRS Impact to Groundwater	Petroleum Product:
<u>Suite 405 SOMERSET NJ 08873</u>	<input type="checkbox"/> NJ Ground Water Quality Standards	
Phone: <u>1-732-302-9500</u>	<input type="checkbox"/> NJ IGW SPLP Leachate Criteria	
Fax: <u>1-732-302-9504</u>	<input type="checkbox"/> Other	
Email: <u>MARLENE.LINDHARDT@WUODFLA.COM</u>		

Project Manager: <u>MARLENE LINDHARDT</u>	Turn-Around Time
ALPHAQuote #:	Standard <input checked="" type="checkbox"/> Due Date:
	Rush (only if pre approved) <input type="checkbox"/> # of Days:

These samples have been previously analyzed by Alpha

For EPH, selection is REQUIRED:	For VOC, selection is REQUIRED:	Other project specific requirements/comments:
<input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2	<input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011	Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS	Sample Filtration
		Date	Time				
05778-01	E-187-0.5-1.0	02/06/20	0930	Soil	NDF	X	<input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)
02	E-187-1.5-2.0	02/06/20	0950	Soil	NDF	X	
03	E-186-0.5-1.0	02/06/20	1015	Soil	NDF	X	
04	E-186-1.5-2.0	02/06/20	1021	Soil	NDF	X	
05	E-178-0.5-1.0	02/06/20	1042	Soil	NDF	X	
06	E-178-2.0-2.5	02/06/20	1208	Soil	NDF	X	
07	E-178-3.0-3.5	02/06/20	1215	Soil	NDF	H	
08	E-161-0.5-1.0	02/06/20	1232	Soil	NDF	X	
09	E-161-2.0-2.5	02/06/20	1255	Soil	NDF	H	
10	E-160-0.5-1.0	02/06/20	1324	Soil	NDF	X	

Westboro: Certification No: MA935	Container Type	A
Mansfield: Certification No: MA015	Preservative	

Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other	Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle	Relinquished By: <u>M. Lindhardt</u>	Date/Time <u>2/7/20 15:00</u>	Received By: <u>M. Lindhardt</u>	Date/Time <u>2/7/20 15:00</u>
		<u>M. Lindhardt</u>	<u>2/7/20 17:30</u>	<u>M. Lindhardt</u>	<u>2/7/20 20:00</u>
		<u>M. Lindhardt</u>	<u>2/7/20 23:20</u>	<u>M. Lindhardt</u>	<u>2/7/20 23:20</u>

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 21 2020, 02:13 pm

Login Number: L2005778

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0008.06

Received: 07FEB20 Due Date: 21FEB20

Sample #	Client ID	Mat PR Collected
L2005778-01	E-187-0.5-1.0	3 S0 06FEB20 09:34
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 02/21/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2005778-02	E-187-1.5-2.0	3 S0 06FEB20 09:50
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2005778-03	E-186-0.5-1.0	3 S0 06FEB20 10:15
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2005778-04	E-186-1.5-2.0	3 S0 06FEB20 10:21
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2005778-05	E-178-0.5-1.0	3 S0 06FEB20 10:42
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2005778-06	E-178-2.0-2.5	3 S0 06FEB20 12:08
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 21 2020, 02:13 pm

Login Number: L2005778

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 07FEB20 Due Date: 21FEB20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2005778-07 E-178-3.0-3.5 3 S0 06FEB20 12:15

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

HOLD-8082

L2005778-08 E-161-0.5-1.0 3 S0 06FEB20 12:32

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

L2005778-09 E-161-2.0-2.5 3 S0 06FEB20 12:55

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

HOLD-8082

L2005778-10 E-160-0.5-1.0 3 S0 06FEB20 13:24

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

L2005778-11 E-160-2.0-2.5 3 S0 06FEB20 13:28

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 21 2020, 02:13 pm

Login Number: L2005778

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 07FEB20 Due Date: 21FEB20

Sample #	Client ID	Mat PR Collected
L2005778-12	E-171-0.5-1.0	3 S0 06FEB20 13:58
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2005778-13	E-171-2.0-2.5	3 S0 06FEB20 14:04
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2005778-14	X01-020620	3 S0 06FEB20 00:00
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. L2005778-14 MS Package Due Date: 02/21/20		
MS/MSD,NJ-8082,TS		
L2005778-15	EB-1-020620	1 S0 06FEB20 14:55
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082-LVI		
L2005778-16	E-121-0.5-1.0	3 S0 07FEB20 09:20
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2005778-17	E-121-2.0-2.5	3 S0 07FEB20 09:38
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 21 2020, 02:13 pm

Login Number: L2005778

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 07FEB20 Due Date: 21FEB20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2005778-18 E-121-3.0-3.5 3 S0 07FEB20 09:42

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

L2005778-19 E-123-0.5-1.0 3 S0 07FEB20 10:23

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

L2005778-20 E-123-2.0-2.5 3 S0 07FEB20 10:34

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

L2005778-21 E-123-3.0-3.5 3 S0 07FEB20 10:40

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

L2005778-22 E-119-0.5-1.0 3 S0 07FEB20 12:03

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 21 2020, 02:13 pm

Login Number: L2005778

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 07FEB20 Due Date: 21FEB20

Sample #	Client ID	Mat PR Collected
L2005778-23	E-119-2.0-2.5	3 S0 07FEB20 12:10
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2005778-24	E-119-3.0-3.5	3 S0 07FEB20 12:20
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2005778-25	E-119-4.0-4.5	3 S0 07FEB20 12:24
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
HOLD-8082		
L2005778-26	E-124-0.5-1.0	3 S0 07FEB20 12:46
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2005778-27	E-124-2.0-2.5	3 S0 07FEB20 13:02
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2005778-28	E-126-0.5-1.0	3 S0 07FEB20 13:35
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 21 2020, 02:13 pm

Login Number: L2005778

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 07FEB20 Due Date: 21FEB20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2005778-29 E-126-2.0-2.5 3 S0 07FEB20 13:39

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

L2005778-30 E-126-3.0-3.5 3 S0 07FEB20 13:50

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

HOLD-8082

L2005778-31 E-126-4.0-4.5 3 S0 07FEB20 14:10

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

HOLD-8082

L2005778-32 X-2-0207202 3 S0 07FEB20 00:00

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

L2005778-33 EB-2-020720 1 S0 07FEB20 14:05

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082-LVI

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005778-01A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-01A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-01A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-01A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-01A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-01A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-01A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-01A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-02A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-02A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-02A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-02A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-02A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-02A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-02A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-02A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-03A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-03A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-03A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-03A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-03A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-03A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-03A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-03A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-04A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005778-04A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-04A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-04A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-04A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-04A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-04A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-04A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-05A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-05A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-05A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-05A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-05A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-05A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-05A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-05A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-06A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-06A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-06A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-06A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-06A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-06A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-06A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-06A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-07A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-07A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005778-07A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-07A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-07A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-07A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-07A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-07A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-08A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Brittney Kelley
L2005778-08A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Christopher Pou
L2005778-08A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S6-B CUSTODY	Richmond Addai	ORGPREP	ORGPREP	Richmond Addai
L2005778-08A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-08A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-08A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-08A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-08A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-08A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-08A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-08A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-09A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-09A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-09A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-09A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-09A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-09A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-09A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-09A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005778-10A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W15-S3-B	CUSTODY	W15-S3-B CUSTODY Brittney Kelley
L2005778-10A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2005778-10A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S6-B	CUSTODY Richmond Addai	ORGPREP	ORGPREP	Richmond Addai
L2005778-10A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C	CUSTODY Phillip Renaud	W13-S6-B	CUSTODY	W13-S6-B CUSTODY Phillip Renaud
L2005778-10A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S3-C	CUSTODY	W13-S3-C CUSTODY Phillip Renaud
L2005778-10A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Bryan Garcia
L2005778-10A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D	CUSTODY Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-10A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W1-S5-D	CUSTODY	W1-S5-D CUSTODY Brittney Kelley
L2005778-10A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Phillip Renaud
L2005778-10A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-10A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-11A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C	CUSTODY Phillip Renaud	W13-S6-B	CUSTODY	W13-S6-B CUSTODY Phillip Renaud
L2005778-11A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S3-C	CUSTODY	W13-S3-C CUSTODY Phillip Renaud
L2005778-11A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Bryan Garcia
L2005778-11A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D	CUSTODY Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-11A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W1-S5-D	CUSTODY	W1-S5-D CUSTODY Brittney Kelley
L2005778-11A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Phillip Renaud
L2005778-11A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-11A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-12A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C	CUSTODY Phillip Renaud	W13-S6-B	CUSTODY	W13-S6-B CUSTODY Phillip Renaud
L2005778-12A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S3-C	CUSTODY	W13-S3-C CUSTODY Phillip Renaud
L2005778-12A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Bryan Garcia
L2005778-12A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D	CUSTODY Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-12A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W1-S5-D	CUSTODY	W1-S5-D CUSTODY Brittney Kelley
L2005778-12A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005778-12A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-12A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-13A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-13A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-13A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-13A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-13A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-13A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-13A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-13A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-14A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-14A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-14A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-14A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-14A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-14A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-14A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-14A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-15A	Amber-A.120	INTACT	10-FEB-20		CUSTODY	Brittney Kelley	W24-S2-A CUSTODY	W24-S2-A CUSTODY	Brittney Kelley
L2005778-15A	Amber-A.120	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-15B	Amber-A.120	EMPTY	11-FEB-20		ORGPREP	Vincent Phan	CUSTODY	CUSTODY	Vincent Phan
L2005778-15B	Amber-A.120	INTACT	11-FEB-20		W24-S2-A CUSTODY	Francis Mbro-Menyah	ORGPREP	ORGPREP	Francis Mbro-Menyah
L2005778-15B	Amber-A.120	INTACT	10-FEB-20		CUSTODY	Brittney Kelley	W24-S2-A CUSTODY	W24-S2-A CUSTODY	Brittney Kelley
L2005778-15B	Amber-A.120	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-16A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005778-16A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S3-C	CUSTODY	W13-S3-C CUSTODY Phillip Renaud
L2005778-16A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Bryan Garcia
L2005778-16A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D	CUSTODY Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-16A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W1-S5-D	CUSTODY	W1-S5-D CUSTODY Brittney Kelley
L2005778-16A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Phillip Renaud
L2005778-16A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-16A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-17A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C	CUSTODY Phillip Renaud	W13-S6-B	CUSTODY	W13-S6-B CUSTODY Phillip Renaud
L2005778-17A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S3-C	CUSTODY	W13-S3-C CUSTODY Phillip Renaud
L2005778-17A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Bryan Garcia
L2005778-17A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D	CUSTODY Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-17A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W1-S5-D	CUSTODY	W1-S5-D CUSTODY Brittney Kelley
L2005778-17A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Phillip Renaud
L2005778-17A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-17A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-18A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	CUSTODY	Brittney Kelley	W16-S3-D	CUSTODY	W16-S3-D CUSTODY Brittney Kelley
L2005778-18A	Glass-A.06	INTACT	17-FEB-20		LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2005778-18A	Glass-A.06	INTACT	17-FEB-20		W16-S3-C	CUSTODY Craig Green	LOGIN	LOGIN	Craig Green
L2005778-18A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W16-S3-C	CUSTODY	W16-S3-C CUSTODY Phillip Renaud
L2005778-18A	Glass-A.06	INTACT	17-FEB-20		ORGPREP	Richmond Addai	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Richmond Addai
L2005778-18A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	W13-S6-B	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2005778-18A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C	CUSTODY Phillip Renaud	W13-S6-B	CUSTODY	W13-S6-B CUSTODY Phillip Renaud
L2005778-18A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S3-C	CUSTODY	W13-S3-C CUSTODY Phillip Renaud
L2005778-18A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Bryan Garcia
L2005778-18A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D	CUSTODY Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005778-18A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-18A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-18A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-18A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-19A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-19A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-19A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-19A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-19A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-19A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-19A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-19A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-20A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-20A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-20A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-20A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-20A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-20A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-20A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-20A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-21A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-21A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-21A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-21A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-21A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005778-21A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-21A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-21A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-22A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Brittney Kelley
L2005778-22A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Christopher Pou
L2005778-22A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S6-B CUSTODY	Richmond Addai	ORGPREP	ORGPREP	Richmond Addai
L2005778-22A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-22A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-22A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-22A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-22A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-22A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-22A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-22A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-23A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-23A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-23A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-23A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-23A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-23A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-23A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-23A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-24A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-24A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-24A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005778-24A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-24A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-24A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-24A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-24A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-25A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud
L2005778-25A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-C CUSTODY	W13-S3-C CUSTODY	Phillip Renaud
L2005778-25A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-25A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-25A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-25A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-25A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-25A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-26A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-D CUSTODY	W13-S3-D CUSTODY	Phillip Renaud
L2005778-26A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Eric Baawuah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Eric Baawuah
L2005778-26A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Eric Baawuah	ORGPREP	ORGPREP	Eric Baawuah
L2005778-26A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-26A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-26A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-26A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-26A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-26A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-27A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-D CUSTODY	W13-S3-D CUSTODY	Phillip Renaud
L2005778-27A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Eric Baawuah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Eric Baawuah
L2005778-27A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Eric Baawuah	ORGPREP	ORGPREP	Eric Baawuah

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005778-27A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Bryan Garcia
L2005778-27A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-27A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-27A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-27A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-27A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-28A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-D CUSTODY	W13-S3-D CUSTODY	Phillip Renaud
L2005778-28A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Eric Baawuah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Eric Baawuah
L2005778-28A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Eric Baawuah	ORGPREP	ORGPREP	Eric Baawuah
L2005778-28A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-28A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-28A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-28A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-28A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-28A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-29A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S3-D CUSTODY	W13-S3-D CUSTODY	Phillip Renaud
L2005778-29A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Eric Baawuah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Eric Baawuah
L2005778-29A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN CUSTODY	Eric Baawuah	ORGPREP	ORGPREP	Eric Baawuah
L2005778-29A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2005778-29A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D CUSTODY	Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-29A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S5-D CUSTODY	W1-S5-D CUSTODY	Brittney Kelley
L2005778-29A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud
L2005778-29A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-29A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-30A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C CUSTODY	Phillip Renaud	W13-S6-B CUSTODY	W13-S6-B CUSTODY	Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005778-30A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S3-C	CUSTODY	W13-S3-C CUSTODY Phillip Renaud
L2005778-30A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Bryan Garcia
L2005778-30A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D	CUSTODY Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-30A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W1-S5-D	CUSTODY	W1-S5-D CUSTODY Brittney Kelley
L2005778-30A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Phillip Renaud
L2005778-30A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-30A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-31A	Glass-A.06	INTACT	12-FEB-20		W13-S3-C	CUSTODY Phillip Renaud	W13-S6-B	CUSTODY	W13-S6-B CUSTODY Phillip Renaud
L2005778-31A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S3-C	CUSTODY	W13-S3-C CUSTODY Phillip Renaud
L2005778-31A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Bryan Garcia
L2005778-31A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D	CUSTODY Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-31A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W1-S5-D	CUSTODY	W1-S5-D CUSTODY Brittney Kelley
L2005778-31A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Phillip Renaud
L2005778-31A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-31A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-32A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Phillip Renaud
L2005778-32A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Eric Baawuah	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Eric Baawuah
L2005778-32A	Glass-A.06	INTACT	11-FEB-20		RETURN WALK-IN	CUSTODY Eric Baawuah	ORGPREP	ORGPREP	Eric Baawuah
L2005778-32A	Glass-A.06	INTACT	10-FEB-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Bryan Garcia
L2005778-32A	Glass-A.06	INTACT	10-FEB-20		W1-S5-D	CUSTODY Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2005778-32A	Glass-A.06	INTACT	10-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W1-S5-D	CUSTODY	W1-S5-D CUSTODY Brittney Kelley
L2005778-32A	Glass-A.06	INTACT	10-FEB-20		LOGIN	Phillip Renaud	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Phillip Renaud
L2005778-32A	Glass-A.06	INTACT	10-FEB-20		CUSTODY	Phillip Renaud	LOGIN	LOGIN	Phillip Renaud
L2005778-32A	Glass-A.06	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-33A	Amber-A.120	INTACT	10-FEB-20		CUSTODY	Brittney Kelley	W24-S2-A	CUSTODY	W24-S2-A CUSTODY Brittney Kelley

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005778-33A Amber-A.120	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau
L2005778-33B Amber-A.120	EMPTY	11-FEB-20		ORGPREP	Vincent Phan	CUSTODY	CUSTODY	Vincent Phan
L2005778-33B Amber-A.120	INTACT	11-FEB-20		W24-S2-A CUSTODY	Francis Mbro-Menyah	ORGPREP	ORGPREP	Francis Mbro-Menyah
L2005778-33B Amber-A.120	INTACT	10-FEB-20		CUSTODY	Brittney Kelley	W24-S2-A CUSTODY	W24-S2-A CUSTODY	Brittney Kelley
L2005778-33B Amber-A.120	INTACT	09-FEB-20	LOGIN	LOGIN	Chris Tebeau	CUSTODY	CUSTODY	Chris Tebeau

Methodology Review

Project Name: AMTRAK EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2005778
Report Date: 02/21/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler **Custody Seal**
 A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2005778-01A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-02A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-03A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-04A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-05A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-06A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-07A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		HOLD-8082(14)
L2005778-08A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-09A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		HOLD-8082(14)
L2005778-10A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-11A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-12A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-13A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-14A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-15A	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NJ-8082-LVI(7)
L2005778-15B	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NJ-8082-LVI(7)
L2005778-16A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-17A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-18A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-19A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-20A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-21A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-22A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: AMTRAK EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2005778

Report Date: 02/21/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2005778-23A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-24A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-25A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		HOLD-8082(14)
L2005778-26A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-27A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-28A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-29A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-30A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		HOLD-8082(14)
L2005778-31A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		HOLD-8082(14)
L2005778-32A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2005778-33A	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NJ-8082-LVI(7)
L2005778-33B	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NJ-8082-LVI(7)

*Values in parentheses indicate holding time in days

NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



**NJ DEP Data of Known Quality Protocols
 Conformance/Non-Conformance
 Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^\circ \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary

Project Name: AMTRAK EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2005778
Report Date: 02/21/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



Project Name: AMTRAK EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2005778
Report Date: 02/21/20

Case Narrative (continued)

Report Submission

February 21, 2020: This final report includes the results of the PCBs analysis performed on L2005778-18.

February 14, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

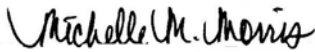
L2005778-16, -17, -21, and -26: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

L2005778-16, -17, and -21: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2005778-19: One or more surrogates failed to meet the DKQP recovery limits. Please refer to the sample results and/or QC section of the report for specific details.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Report Date: 02/21/20

Title: Technical Director/Representative



Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2005778
Report Date: 02/21/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2005778
Report Date: 02/21/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Organics

**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-01	Date Collected : 02/06/20 09:34
Client ID : E-187-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 15:44
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-13	Analyst : HT
Sample Amount : 15.29 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 83
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0392	0.00348	U
11104-28-2	Aroclor 1221	ND	0.0392	0.00393	U
11141-16-5	Aroclor 1232	ND	0.0392	0.00831	U
53469-21-9	Aroclor 1242	ND	0.0392	0.00528	U
12672-29-6	Aroclor 1248	ND	0.0392	0.00588	U
11097-69-1	Aroclor 1254	ND	0.0392	0.00429	U
37324-23-5	Aroclor 1262	ND	0.0392	0.00498	U
11100-14-4	Aroclor 1268	ND	0.0392	0.00406	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-01 Client ID : E-187-0.5-1.0 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200211a-13 Sample Amount : 15.29 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/06/20 09:34 Date Received : 02/07/20 Date Analyzed : 02/11/20 15:44 Date Extracted : 02/10/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 83 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.461	0.0392	0.00725	
1336-36-3	PCBs, Total	0.461	0.0392	0.00348	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-02	Date Collected : 02/06/20 09:50
Client ID : E-187-1.5-2.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 15:51
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-14	Analyst : HT
Sample Amount : 15.29 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 91
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0361	0.00321	U
11104-28-2	Aroclor 1221	ND	0.0361	0.00362	U
11141-16-5	Aroclor 1232	ND	0.0361	0.00766	U
53469-21-9	Aroclor 1242	ND	0.0361	0.00487	U
12672-29-6	Aroclor 1248	ND	0.0361	0.00542	U
11097-69-1	Aroclor 1254	ND	0.0361	0.00395	U
37324-23-5	Aroclor 1262	ND	0.0361	0.00459	U
11100-14-4	Aroclor 1268	ND	0.0361	0.00374	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-02 Client ID : E-187-1.5-2.0 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200211a-14 Sample Amount : 15.29 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/06/20 09:50 Date Received : 02/07/20 Date Analyzed : 02/11/20 15:51 Date Extracted : 02/10/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 91 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.578	0.0361	0.00668	
1336-36-3	PCBs, Total	0.578	0.0361	0.00321	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005778
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2005778-03	Date Collected	: 02/06/20 10:15
Client ID	: E-186-0.5-1.0	Date Received	: 02/07/20
Sample Location	: TRENTON	Date Analyzed	: 02/11/20 15:58
Sample Matrix	: SOIL	Date Extracted	: 02/10/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 23200211a-15	Analyst	: HT
Sample Amount	: 15.92 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0347	0.00308	U
11104-28-2	Aroclor 1221	ND	0.0347	0.00347	U
11141-16-5	Aroclor 1232	ND	0.0347	0.00735	U
53469-21-9	Aroclor 1242	ND	0.0347	0.00467	U
12672-29-6	Aroclor 1248	ND	0.0347	0.00520	U
11097-69-1	Aroclor 1254	ND	0.0347	0.00379	U
37324-23-5	Aroclor 1262	ND	0.0347	0.00440	U
11100-14-4	Aroclor 1268	ND	0.0347	0.00359	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-03 Client ID : E-186-0.5-1.0 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200211a-15 Sample Amount : 15.92 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/06/20 10:15 Date Received : 02/07/20 Date Analyzed : 02/11/20 15:58 Date Extracted : 02/10/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 91 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0785	0.0347	0.00641	
1336-36-3	PCBs, Total	0.0785	0.0347	0.00308	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-04	Date Collected : 02/06/20 10:21
Client ID : E-186-1.5-2.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 16:05
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-16	Analyst : HT
Sample Amount : 15.53 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0380	0.00337	U
11104-28-2	Aroclor 1221	ND	0.0380	0.00380	U
11141-16-5	Aroclor 1232	ND	0.0380	0.00805	U
53469-21-9	Aroclor 1242	ND	0.0380	0.00512	U
12672-29-6	Aroclor 1248	ND	0.0380	0.00570	U
11097-69-1	Aroclor 1254	ND	0.0380	0.00415	U
11096-82-5	Aroclor 1260	0.0214	0.0380	0.00702	J
37324-23-5	Aroclor 1262	ND	0.0380	0.00482	U
11100-14-4	Aroclor 1268	ND	0.0380	0.00393	U
1336-36-3	PCBs, Total	0.0214	0.0380	0.00337	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-05	Date Collected : 02/06/20 10:42
Client ID : E-178-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 16:11
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-17	Analyst : HT
Sample Amount : 15.34 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 83
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0394	0.00350	U
11104-28-2	Aroclor 1221	ND	0.0394	0.00394	U
11141-16-5	Aroclor 1232	ND	0.0394	0.00834	U
53469-21-9	Aroclor 1242	ND	0.0394	0.00531	U
12672-29-6	Aroclor 1248	ND	0.0394	0.00590	U
11097-69-1	Aroclor 1254	ND	0.0394	0.00431	U
11096-82-5	Aroclor 1260	0.0610	0.0394	0.00727	
37324-23-5	Aroclor 1262	ND	0.0394	0.00500	U
11100-14-4	Aroclor 1268	ND	0.0394	0.00408	U
1336-36-3	PCBs, Total	0.0610	0.0394	0.00350	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-06	Date Collected : 02/06/20 12:08
Client ID : E-178-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 16:18
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-18	Analyst : HT
Sample Amount : 15.25 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 92
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0355	0.00315	U
11104-28-2	Aroclor 1221	ND	0.0355	0.00356	U
11141-16-5	Aroclor 1232	ND	0.0355	0.00753	U
53469-21-9	Aroclor 1242	ND	0.0355	0.00479	U
12672-29-6	Aroclor 1248	ND	0.0355	0.00533	U
11097-69-1	Aroclor 1254	ND	0.0355	0.00389	U
11096-82-5	Aroclor 1260	0.0496	0.0355	0.00656	
37324-23-5	Aroclor 1262	ND	0.0355	0.00451	U
11100-14-4	Aroclor 1268	ND	0.0355	0.00368	U
1336-36-3	PCBs, Total	0.0496	0.0355	0.00315	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-08	Date Collected : 02/06/20 12:32
Client ID : E-161-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/14/20 11:44
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-11	Analyst : AWS
Sample Amount : 15.73 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0364	0.00323	U
11104-28-2	Aroclor 1221	ND	0.0364	0.00364	U
11141-16-5	Aroclor 1232	ND	0.0364	0.00771	U
53469-21-9	Aroclor 1242	ND	0.0364	0.00490	U
12672-29-6	Aroclor 1248	ND	0.0364	0.00546	U
11097-69-1	Aroclor 1254	ND	0.0364	0.00398	U
11096-82-5	Aroclor 1260	0.00694	0.0364	0.00672	J
37324-23-5	Aroclor 1262	ND	0.0364	0.00462	U
11100-14-4	Aroclor 1268	ND	0.0364	0.00377	U
1336-36-3	PCBs, Total	0.00694	0.0364	0.00323	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-10	Date Collected : 02/06/20 13:24
Client ID : E-160-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/14/20 11:51
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-12	Analyst : AWS
Sample Amount : 15.07 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0377	0.00335	U
11104-28-2	Aroclor 1221	ND	0.0377	0.00378	U
11141-16-5	Aroclor 1232	ND	0.0377	0.00799	U
53469-21-9	Aroclor 1242	ND	0.0377	0.00508	U
12672-29-6	Aroclor 1248	ND	0.0377	0.00566	U
11097-69-1	Aroclor 1254	ND	0.0377	0.00412	U
11096-82-5	Aroclor 1260	0.0406	0.0377	0.00697	
37324-23-5	Aroclor 1262	ND	0.0377	0.00479	U
11100-14-4	Aroclor 1268	ND	0.0377	0.00391	U
1336-36-3	PCBs, Total	0.0406	0.0377	0.00335	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-11	Date Collected : 02/06/20 13:28
Client ID : E-160-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 16:39
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-21	Analyst : HT
Sample Amount : 15.24 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 92
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0357	0.00317	U
11104-28-2	Aroclor 1221	ND	0.0357	0.00357	U
11141-16-5	Aroclor 1232	ND	0.0357	0.00756	U
53469-21-9	Aroclor 1242	ND	0.0357	0.00481	U
12672-29-6	Aroclor 1248	ND	0.0357	0.00535	U
11097-69-1	Aroclor 1254	ND	0.0357	0.00390	U
37324-23-5	Aroclor 1262	ND	0.0357	0.00453	U
11100-14-4	Aroclor 1268	ND	0.0357	0.00369	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-11 Client ID : E-160-2.0-2.5 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200211a-21 Sample Amount : 15.24 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/06/20 13:28 Date Received : 02/07/20 Date Analyzed : 02/11/20 16:39 Date Extracted : 02/10/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 92 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.148	0.0357	0.00659	
1336-36-3	PCBs, Total	0.148	0.0357	0.00317	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-12	Date Collected : 02/06/20 13:58
Client ID : E-171-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 16:45
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-22	Analyst : HT
Sample Amount : 15.37 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0380	0.00337	U
11104-28-2	Aroclor 1221	ND	0.0380	0.00381	U
11141-16-5	Aroclor 1232	ND	0.0380	0.00806	U
53469-21-9	Aroclor 1242	ND	0.0380	0.00512	U
12672-29-6	Aroclor 1248	ND	0.0380	0.00570	U
11097-69-1	Aroclor 1254	ND	0.0380	0.00416	U
37324-23-5	Aroclor 1262	ND	0.0380	0.00483	U
11100-14-4	Aroclor 1268	ND	0.0380	0.00394	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-12 Client ID : E-171-0.5-1.0 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200211a-22 Sample Amount : 15.37 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/06/20 13:58 Date Received : 02/07/20 Date Analyzed : 02/11/20 16:45 Date Extracted : 02/10/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 86 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.109	0.0380	0.00702	
1336-36-3	PCBs, Total	0.109	0.0380	0.00337	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-13	Date Collected : 02/06/20 14:04
Client ID : E-171-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 16:52
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-23	Analyst : HT
Sample Amount : 15.47 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 90
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0361	0.00320	U
11104-28-2	Aroclor 1221	ND	0.0361	0.00361	U
11141-16-5	Aroclor 1232	ND	0.0361	0.00765	U
53469-21-9	Aroclor 1242	ND	0.0361	0.00486	U
12672-29-6	Aroclor 1248	ND	0.0361	0.00541	U
11097-69-1	Aroclor 1254	ND	0.0361	0.00395	U
37324-23-5	Aroclor 1262	ND	0.0361	0.00458	U
11100-14-4	Aroclor 1268	ND	0.0361	0.00374	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-13 Client ID : E-171-2.0-2.5 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200211a-23 Sample Amount : 15.47 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/06/20 14:04 Date Received : 02/07/20 Date Analyzed : 02/11/20 16:52 Date Extracted : 02/10/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 90 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.288	0.0361	0.00667	
1336-36-3	PCBs, Total	0.288	0.0361	0.00320	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-14	Date Collected : 02/06/20 00:00
Client ID : X01-020620	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 15:24
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-10	Analyst : HT
Sample Amount : 15.55 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 84
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0384	0.00341	U
11104-28-2	Aroclor 1221	ND	0.0384	0.00384	U
11141-16-5	Aroclor 1232	ND	0.0384	0.00813	U
53469-21-9	Aroclor 1242	ND	0.0384	0.00517	U
12672-29-6	Aroclor 1248	ND	0.0384	0.00576	U
11097-69-1	Aroclor 1254	ND	0.0384	0.00420	U
11096-82-5	Aroclor 1260	0.115	0.0384	0.00709	
37324-23-5	Aroclor 1262	ND	0.0384	0.00487	U
11100-14-4	Aroclor 1268	ND	0.0384	0.00398	U
1336-36-3	PCBs, Total	0.115	0.0384	0.00341	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-15	Date Collected : 02/06/20 14:55
Client ID : EB-1-020620	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 13:17
Sample Matrix : WATER	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200211a-15	Analyst : HT
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-16D	Date Collected : 02/07/20 09:20
Client ID : E-121-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/12/20 15:17
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 400
Lab File ID : 19200212b-12	Analyst : AWS
Sample Amount : 15.49 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	16.0	1.42	U
11104-28-2	Aroclor 1221	ND	16.0	1.60	U
11141-16-5	Aroclor 1232	ND	16.0	3.39	U
53469-21-9	Aroclor 1242	ND	16.0	2.15	U
12672-29-6	Aroclor 1248	ND	16.0	2.40	U
11097-69-1	Aroclor 1254	ND	16.0	1.75	U
11096-82-5	Aroclor 1260	64.5	16.0	2.95	
37324-23-5	Aroclor 1262	ND	16.0	2.03	U
11100-14-4	Aroclor 1268	ND	16.0	1.66	U
1336-36-3	PCBs, Total	64.5	16.0	1.42	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-17D	Date Collected : 02/07/20 09:38
Client ID : E-121-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 21:00
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 23200211a-42	Analyst : HT
Sample Amount : 15.16 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 82
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.808	0.0718	U
11104-28-2	Aroclor 1221	ND	0.808	0.0810	U
11141-16-5	Aroclor 1232	ND	0.808	0.171	U
53469-21-9	Aroclor 1242	ND	0.808	0.109	U
12672-29-6	Aroclor 1248	ND	0.808	0.121	U
11097-69-1	Aroclor 1254	ND	0.808	0.0884	U
37324-23-5	Aroclor 1262	ND	0.808	0.103	U
11100-14-4	Aroclor 1268	ND	0.808	0.0837	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-17D Client ID : E-121-2.0-2.5 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200211a-42 Sample Amount : 15.16 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/07/20 09:38 Date Received : 02/07/20 Date Analyzed : 02/11/20 21:00 Date Extracted : 02/10/20 Dilution Factor : 20 Analyst : HT Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 82 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	4.05	0.808	0.149	
1336-36-3	PCBs, Total	4.05	0.808	0.0718	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-18	Date Collected : 02/07/20 09:42
Client ID : E-121-3.0-3.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/17/20 21:38
Sample Matrix : SOIL	Date Extracted : 02/17/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200217b-32	Analyst : KB
Sample Amount : 15.56 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0365	0.00324	U
11104-28-2	Aroclor 1221	ND	0.0365	0.00365	U
11141-16-5	Aroclor 1232	ND	0.0365	0.00773	U
53469-21-9	Aroclor 1242	ND	0.0365	0.00492	U
12672-29-6	Aroclor 1248	ND	0.0365	0.00547	U
11097-69-1	Aroclor 1254	ND	0.0365	0.00399	U
11096-82-5	Aroclor 1260	0.146	0.0365	0.00674	
37324-23-5	Aroclor 1262	ND	0.0365	0.00463	U
11100-14-4	Aroclor 1268	ND	0.0365	0.00378	U
1336-36-3	PCBs, Total	0.146	0.0365	0.00324	



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-19	Date Collected : 02/07/20 10:23
Client ID : E-123-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 17:12
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-26	Analyst : HT
Sample Amount : 15.18 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 83
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0397	0.00352	U
11104-28-2	Aroclor 1221	ND	0.0397	0.00398	U
11141-16-5	Aroclor 1232	ND	0.0397	0.00841	U
53469-21-9	Aroclor 1242	ND	0.0397	0.00535	U
12672-29-6	Aroclor 1248	ND	0.0397	0.00595	U
11097-69-1	Aroclor 1254	ND	0.0397	0.00434	U
11096-82-5	Aroclor 1260	0.0263	0.0397	0.00733	J
37324-23-5	Aroclor 1262	ND	0.0397	0.00504	U
11100-14-4	Aroclor 1268	ND	0.0397	0.00411	U
1336-36-3	PCBs, Total	0.0263	0.0397	0.00352	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-20 Client ID : E-123-2.0-2.5 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200211a-31 Sample Amount : 15.24 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/07/20 10:34 Date Received : 02/07/20 Date Analyzed : 02/11/20 17:46 Date Extracted : 02/10/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST23 GC Column : CLP-Pesticide %Solids : 84 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0392	0.00348	U
11104-28-2	Aroclor 1221	ND	0.0392	0.00393	U
11141-16-5	Aroclor 1232	ND	0.0392	0.00831	U
53469-21-9	Aroclor 1242	ND	0.0392	0.00528	U
12672-29-6	Aroclor 1248	ND	0.0392	0.00588	U
11097-69-1	Aroclor 1254	ND	0.0392	0.00429	U
37324-23-5	Aroclor 1262	ND	0.0392	0.00498	U
11100-14-4	Aroclor 1268	ND	0.0392	0.00406	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-20 Client ID : E-123-2.0-2.5 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200211a-31 Sample Amount : 15.24 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/07/20 10:34 Date Received : 02/07/20 Date Analyzed : 02/11/20 17:46 Date Extracted : 02/10/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 84 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.278	0.0392	0.00724	
1336-36-3	PCBs, Total	0.278	0.0392	0.00348	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-21D	Date Collected : 02/07/20 10:40
Client ID : E-123-3.0-3.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 21:06
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 23200211a-43	Analyst : HT
Sample Amount : 15.55 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.729	0.0647	U
11104-28-2	Aroclor 1221	ND	0.729	0.0730	U
11141-16-5	Aroclor 1232	ND	0.729	0.154	U
53469-21-9	Aroclor 1242	ND	0.729	0.0983	U
12672-29-6	Aroclor 1248	ND	0.729	0.109	U
11097-69-1	Aroclor 1254	ND	0.729	0.0798	U
37324-23-5	Aroclor 1262	ND	0.729	0.0926	U
11100-14-4	Aroclor 1268	ND	0.729	0.0755	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-21D Client ID : E-123-3.0-3.5 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200211a-43 Sample Amount : 15.55 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/07/20 10:40 Date Received : 02/07/20 Date Analyzed : 02/11/20 21:06 Date Extracted : 02/10/20 Dilution Factor : 20 Analyst : HT Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 88 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	3.57	0.729	0.135	
1336-36-3	PCBs, Total	3.57	0.729	0.0647	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-22	Date Collected : 02/07/20 12:03
Client ID : E-119-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/14/20 11:58
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-13	Analyst : AWS
Sample Amount : 15.13 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0408	0.00362	U
11104-28-2	Aroclor 1221	ND	0.0408	0.00409	U
11141-16-5	Aroclor 1232	ND	0.0408	0.00865	U
53469-21-9	Aroclor 1242	ND	0.0408	0.00550	U
12672-29-6	Aroclor 1248	ND	0.0408	0.00612	U
11097-69-1	Aroclor 1254	ND	0.0408	0.00446	U
11096-82-5	Aroclor 1260	0.0183	0.0408	0.00754	J
37324-23-5	Aroclor 1262	ND	0.0408	0.00518	U
11100-14-4	Aroclor 1268	ND	0.0408	0.00423	U
1336-36-3	PCBs, Total	0.0183	0.0408	0.00362	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-23	Date Collected : 02/07/20 12:10
Client ID : E-119-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 18:07
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-34	Analyst : HT
Sample Amount : 15.19 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 93
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0355	0.00315	U
11104-28-2	Aroclor 1221	ND	0.0355	0.00355	U
11141-16-5	Aroclor 1232	ND	0.0355	0.00752	U
53469-21-9	Aroclor 1242	ND	0.0355	0.00478	U
12672-29-6	Aroclor 1248	ND	0.0355	0.00532	U
11097-69-1	Aroclor 1254	ND	0.0355	0.00388	U
11096-82-5	Aroclor 1260	0.00861	0.0355	0.00655	J
37324-23-5	Aroclor 1262	ND	0.0355	0.00450	U
11100-14-4	Aroclor 1268	ND	0.0355	0.00367	U
1336-36-3	PCBs, Total	0.00861	0.0355	0.00315	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-24	Date Collected : 02/07/20 12:20
Client ID : E-119-3.0-3.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 18:14
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-35	Analyst : HT
Sample Amount : 15.47 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 93
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0349	0.00310	U
11104-28-2	Aroclor 1221	ND	0.0349	0.00350	U
11141-16-5	Aroclor 1232	ND	0.0349	0.00740	U
53469-21-9	Aroclor 1242	ND	0.0349	0.00470	U
12672-29-6	Aroclor 1248	ND	0.0349	0.00524	U
11097-69-1	Aroclor 1254	ND	0.0349	0.00382	U
37324-23-5	Aroclor 1262	ND	0.0349	0.00443	U
11100-14-4	Aroclor 1268	ND	0.0349	0.00362	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-24 Client ID : E-119-3.0-3.5 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200211a-35 Sample Amount : 15.47 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/07/20 12:20 Date Received : 02/07/20 Date Analyzed : 02/11/20 18:14 Date Extracted : 02/10/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 93 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.116	0.0349	0.00645	
1336-36-3	PCBs, Total	0.116	0.0349	0.00310	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005778
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2005778-26D	Date Collected	: 02/07/20 12:46
Client ID	: E-124-0.5-1.0	Date Received	: 02/07/20
Sample Location	: TRENTON	Date Analyzed	: 02/13/20 15:06
Sample Matrix	: SOIL	Date Extracted	: 02/11/20
Analytical Method	: 1,8082A	Dilution Factor	: 5
Lab File ID	: 13200213a-14	Analyst	: HT
Sample Amount	: 15.22 g	Instrument ID	: PEST13
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 78
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.211	0.0188	U
11104-28-2	Aroclor 1221	ND	0.211	0.0212	U
11141-16-5	Aroclor 1232	ND	0.211	0.0448	U
53469-21-9	Aroclor 1242	ND	0.211	0.0285	U
12672-29-6	Aroclor 1248	ND	0.211	0.0317	U
11097-69-1	Aroclor 1254	ND	0.211	0.0231	U
37324-23-5	Aroclor 1262	ND	0.211	0.0268	U
11100-14-4	Aroclor 1268	ND	0.211	0.0219	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-26D Client ID : E-124-0.5-1.0 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200213a-14 Sample Amount : 15.22 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/07/20 12:46 Date Received : 02/07/20 Date Analyzed : 02/13/20 15:06 Date Extracted : 02/11/20 Dilution Factor : 5 Analyst : HT Instrument ID : PEST13 GC Column : CLP-PesticideII %Solids : 78 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	2.58	0.211	0.0391	
1336-36-3	PCBs, Total	2.58	0.211	0.0188	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-27	Date Collected : 02/07/20 13:02
Client ID : E-124-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/13/20 02:14
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200212a-25	Analyst : HT
Sample Amount : 15.23 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 80
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0408	0.00362	U
11104-28-2	Aroclor 1221	ND	0.0408	0.00409	U
11141-16-5	Aroclor 1232	ND	0.0408	0.00866	U
53469-21-9	Aroclor 1242	ND	0.0408	0.00550	U
12672-29-6	Aroclor 1248	ND	0.0408	0.00612	U
11097-69-1	Aroclor 1254	ND	0.0408	0.00447	U
37324-23-5	Aroclor 1262	ND	0.0408	0.00518	U
11100-14-4	Aroclor 1268	ND	0.0408	0.00423	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-27 Client ID : E-124-2.0-2.5 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200212a-25 Sample Amount : 15.23 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/07/20 13:02 Date Received : 02/07/20 Date Analyzed : 02/13/20 02:14 Date Extracted : 02/11/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 80 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0135	0.0408	0.00754	J
1336-36-3	PCBs, Total	0.0135	0.0408	0.00362	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-28	Date Collected : 02/07/20 13:35
Client ID : E-126-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/13/20 02:25
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200212a-26	Analyst : HT
Sample Amount : 15.05 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 75
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0441	0.00392	U
11104-28-2	Aroclor 1221	ND	0.0441	0.00442	U
11141-16-5	Aroclor 1232	ND	0.0441	0.00935	U
53469-21-9	Aroclor 1242	ND	0.0441	0.00595	U
12672-29-6	Aroclor 1248	ND	0.0441	0.00662	U
11097-69-1	Aroclor 1254	ND	0.0441	0.00483	U
37324-23-5	Aroclor 1262	ND	0.0441	0.00560	U
11100-14-4	Aroclor 1268	ND	0.0441	0.00457	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-28 Client ID : E-126-0.5-1.0 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200212a-26 Sample Amount : 15.05 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/07/20 13:35 Date Received : 02/07/20 Date Analyzed : 02/13/20 02:25 Date Extracted : 02/11/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 75 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.214	0.0441	0.00815	
1336-36-3	PCBs, Total	0.214	0.0441	0.00392	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-29	Date Collected : 02/07/20 13:39
Client ID : E-126-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/13/20 02:37
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200212a-27	Analyst : HT
Sample Amount : 15.34 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 83
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0395	0.00351	U
11104-28-2	Aroclor 1221	ND	0.0395	0.00396	U
11141-16-5	Aroclor 1232	ND	0.0395	0.00838	U
53469-21-9	Aroclor 1242	ND	0.0395	0.00532	U
12672-29-6	Aroclor 1248	ND	0.0395	0.00593	U
11097-69-1	Aroclor 1254	ND	0.0395	0.00432	U
37324-23-5	Aroclor 1262	ND	0.0395	0.00502	U
11100-14-4	Aroclor 1268	ND	0.0395	0.00409	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-29 Client ID : E-126-2.0-2.5 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200212a-27 Sample Amount : 15.34 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/07/20 13:39 Date Received : 02/07/20 Date Analyzed : 02/13/20 02:37 Date Extracted : 02/11/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 83 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0396	0.0395	0.00730	
1336-36-3	PCBs, Total	0.0396	0.0395	0.00351	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-32	Date Collected : 02/07/20 00:00
Client ID : X-2-0207202	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/13/20 02:49
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200212a-28	Analyst : HT
Sample Amount : 15.71 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 71
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0446	0.00396	U
11104-28-2	Aroclor 1221	ND	0.0446	0.00447	U
11141-16-5	Aroclor 1232	ND	0.0446	0.00945	U
53469-21-9	Aroclor 1242	ND	0.0446	0.00601	U
12672-29-6	Aroclor 1248	ND	0.0446	0.00669	U
11097-69-1	Aroclor 1254	ND	0.0446	0.00488	U
37324-23-5	Aroclor 1262	ND	0.0446	0.00566	U
11100-14-4	Aroclor 1268	ND	0.0446	0.00462	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2005778-32 Client ID : X-2-0207202 Sample Location : TRENTON Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200212a-28 Sample Amount : 15.71 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005778 Project Number : 277710568.0008.06 Date Collected : 02/07/20 00:00 Date Received : 02/07/20 Date Analyzed : 02/13/20 02:49 Date Extracted : 02/11/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 71 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.205	0.0446	0.00824	
1336-36-3	PCBs, Total	0.205	0.0446	0.00396	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-33	Date Collected : 02/07/20 14:05
Client ID : EB-2-020720	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/11/20 13:31
Sample Matrix : WATER	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200211a-16	Analyst : HT
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1339142-1	Date Collected : NA
Client ID : WG1339142-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/11/20 17:19
Sample Matrix : SOIL	Date Extracted : 02/10/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200211a-27	Analyst : HT
Sample Amount : 15.45 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0324	0.00287	U
11104-28-2	Aroclor 1221	ND	0.0324	0.00324	U
11141-16-5	Aroclor 1232	ND	0.0324	0.00686	U
53469-21-9	Aroclor 1242	ND	0.0324	0.00436	U
12672-29-6	Aroclor 1248	ND	0.0324	0.00485	U
11097-69-1	Aroclor 1254	ND	0.0324	0.00354	U
11096-82-5	Aroclor 1260	ND	0.0324	0.00598	U
37324-23-5	Aroclor 1262	ND	0.0324	0.00411	U
11100-14-4	Aroclor 1268	ND	0.0324	0.00335	U
1336-36-3	PCBs, Total	ND	0.0324	0.00287	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1339310-1	Date Collected : NA
Client ID : WG1339310-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/11/20 14:37
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200211a-04	Analyst : CW
Sample Amount : 15.2 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0329	0.00292	U
11104-28-2	Aroclor 1221	ND	0.0329	0.00330	U
11141-16-5	Aroclor 1232	ND	0.0329	0.00697	U
53469-21-9	Aroclor 1242	ND	0.0329	0.00443	U
12672-29-6	Aroclor 1248	ND	0.0329	0.00493	U
11097-69-1	Aroclor 1254	ND	0.0329	0.00360	U
11096-82-5	Aroclor 1260	ND	0.0329	0.00608	U
37324-23-5	Aroclor 1262	ND	0.0329	0.00418	U
11100-14-4	Aroclor 1268	ND	0.0329	0.00341	U
1336-36-3	PCBs, Total	ND	0.0329	0.00292	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1339313-1	Date Collected : NA
Client ID : WG1339313-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/11/20 11:42
Sample Matrix : WATER	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200211a-08	Analyst : AWS
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1340606-1	Date Collected : NA
Client ID : WG1340606-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/14/20 11:23
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-08	Analyst : AWS
Sample Amount : 15.67 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0319	0.00283	U
11104-28-2	Aroclor 1221	ND	0.0319	0.00320	U
11141-16-5	Aroclor 1232	ND	0.0319	0.00676	U
53469-21-9	Aroclor 1242	ND	0.0319	0.00430	U
12672-29-6	Aroclor 1248	ND	0.0319	0.00479	U
11097-69-1	Aroclor 1254	ND	0.0319	0.00349	U
11096-82-5	Aroclor 1260	ND	0.0319	0.00590	U
37324-23-5	Aroclor 1262	ND	0.0319	0.00405	U
11100-14-4	Aroclor 1268	ND	0.0319	0.00330	U
1336-36-3	PCBs, Total	ND	0.0319	0.00283	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1341282-1	Date Collected : NA
Client ID : WG1341282-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/17/20 15:20
Sample Matrix : SOIL	Date Extracted : 02/17/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200217a-03	Analyst : AWS
Sample Amount : 15.27 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0327	0.00291	U
11104-28-2	Aroclor 1221	ND	0.0327	0.00328	U
11141-16-5	Aroclor 1232	ND	0.0327	0.00694	U
53469-21-9	Aroclor 1242	ND	0.0327	0.00441	U
12672-29-6	Aroclor 1248	ND	0.0327	0.00491	U
11097-69-1	Aroclor 1254	ND	0.0327	0.00358	U
11096-82-5	Aroclor 1260	ND	0.0327	0.00605	U
37324-23-5	Aroclor 1262	ND	0.0327	0.00416	U
11100-14-4	Aroclor 1268	ND	0.0327	0.00339	U
1336-36-3	PCBs, Total	ND	0.0327	0.00291	U



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1339313-1	Lab File ID : P2200211a-08
Matrix : WATER	Extraction Date : 02/11/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/11/20 11:42	Analysis Date (2) : 02/11/20 11:42
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1339313-2LCS	WG1339313-2	02/11/20 11:56	02/11/20 11:56
WG1339313-3LCSD	WG1339313-3	02/11/20 12:09	02/11/20 12:09
EB-1-020620	L2005778-15	02/11/20 13:17	02/11/20 13:17
EB-2-020720	L2005778-33	02/11/20 13:31	02/11/20 13:31



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1339310-1	Lab File ID : 21200211a-04
Matrix : SOIL	Extraction Date : 02/11/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/11/20 14:37	Analysis Date (2) : 02/11/20 14:37
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1339310-2LCS	WG1339310-2	02/11/20 14:49	02/11/20 14:49
WG1339310-3LCSD	WG1339310-3	02/11/20 15:01	02/11/20 15:01
E-124-2.0-2.5	L2005778-27	02/13/20 02:14	02/13/20 02:14
E-126-0.5-1.0	L2005778-28	02/13/20 02:25	02/13/20 02:25
E-126-2.0-2.5	L2005778-29	02/13/20 02:37	02/13/20 02:37
X-2-0207202	L2005778-32	02/13/20 02:49	02/13/20 02:49
E-124-0.5-1.0	L2005778-26D	02/13/20 15:06	02/13/20 15:06



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1339142-1	Lab File ID : 23200211a-27
Matrix : SOIL	Extraction Date : 02/10/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/11/20 17:19	Analysis Date (2) : 02/11/20 17:19
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
X01-020620	L2005778-14	02/11/20 15:24	02/11/20 15:24
X01-020620MS	WG1339142-4	02/11/20 15:31	02/11/20 15:31
X01-020620MSD	WG1339142-5	02/11/20 15:38	02/11/20 15:38
E-187-0.5-1.0	L2005778-01	02/11/20 15:44	02/11/20 15:44
E-187-1.5-2.0	L2005778-02	02/11/20 15:51	02/11/20 15:51
E-186-0.5-1.0	L2005778-03	02/11/20 15:58	02/11/20 15:58
E-186-1.5-2.0	L2005778-04	02/11/20 16:05	02/11/20 16:05
E-178-0.5-1.0	L2005778-05	02/11/20 16:11	02/11/20 16:11
E-178-2.0-2.5	L2005778-06	02/11/20 16:18	02/11/20 16:18
E-160-2.0-2.5	L2005778-11	02/11/20 16:39	02/11/20 16:39
E-171-0.5-1.0	L2005778-12	02/11/20 16:45	02/11/20 16:45
E-171-2.0-2.5	L2005778-13	02/11/20 16:52	02/11/20 16:52
E-123-0.5-1.0	L2005778-19	02/11/20 17:12	02/11/20 17:12
WG1339142-2LCS	WG1339142-2	02/11/20 17:26	02/11/20 17:26
WG1339142-3LCSD	WG1339142-3	02/11/20 17:33	02/11/20 17:33
E-123-2.0-2.5	L2005778-20	02/11/20 17:46	02/11/20 17:46
E-119-2.0-2.5	L2005778-23	02/11/20 18:07	02/11/20 18:07
E-119-3.0-3.5	L2005778-24	02/11/20 18:14	02/11/20 18:14
E-121-2.0-2.5	L2005778-17D	02/11/20 21:00	02/11/20 21:00
E-123-3.0-3.5	L2005778-21D	02/11/20 21:06	02/11/20 21:06
E-121-0.5-1.0	L2005778-16D	02/12/20 15:17	02/12/20 15:17



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1340606-1	Lab File ID : 19200214a-08
Matrix : SOIL	Extraction Date : 02/13/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/14/20 11:23	Analysis Date (2) : 02/14/20 11:23
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1340606-2LCS	WG1340606-2	02/14/20 11:30	02/14/20 11:30
WG1340606-3LCSD	WG1340606-3	02/14/20 11:37	02/14/20 11:37
E-161-0.5-1.0	L2005778-08	02/14/20 11:44	02/14/20 11:44
E-160-0.5-1.0	L2005778-10	02/14/20 11:51	02/14/20 11:51
E-119-0.5-1.0	L2005778-22	02/14/20 11:58	02/14/20 11:58



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1341282-1	Lab File ID : P7200217a-03
Matrix : SOIL	Extraction Date : 02/17/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/17/20 15:20	Analysis Date (2) : 02/17/20 15:20
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1341282-2LCS	WG1341282-2	02/17/20 19:42	02/17/20 19:42
WG1341282-3LCSD	WG1341282-3	02/17/20 19:49	02/17/20 19:49
E-121-3.0-3.5	L2005778-18	02/17/20 21:38	02/17/20 21:38



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005778
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.473	1.290	1.250	1.210	1.137	1.021	1.230	12.37
3) s Decachlorobiphenyl	1.026	0.864	0.827	0.777	0.743	0.662	0.817	15.21
4) 11 1016-1	0.029	0.025	0.023	0.021	0.019	0.017	0.022	18.43
5) 11 1016-2	0.063	0.053	0.049	0.045	0.041	0.036	0.048	19.80
6) 11 1016-3	0.124	0.108	0.104	0.099	0.093	0.083	0.102	13.64
7) 11 1016-4	0.053	0.048	0.043	0.040	0.038	0.034	0.043	15.82
8) 11 1016-5	0.056	0.049	0.046	0.043	0.041	0.037	0.045	14.66
9) 12 1260-1	0.075	0.064	0.060	0.057	0.054	0.049	0.060	14.99
10) 12 1260-2	0.111	0.096	0.091	0.086	0.082	0.073	0.090	14.56
11) 12 1260-3	0.062	0.059	0.056	0.053	0.052	0.047	0.055	9.75
12) 12 1260-4	0.146	0.130	0.125	0.120	0.114	0.098	0.122	13.22
13) 12 1260-5	0.100	0.088	0.085	0.080	0.079	0.072	0.084	11.45
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.014	0.013	0.012	0.011	0.010	0.012	14.08
16) 13 1221-3	0.010	0.009	0.008	0.007	0.007	0.006	0.008	16.46
17) 13 1221-4	0.037	0.031	0.029	0.026	0.024	0.022	0.028	19.89
18) 14 1254-1	0.055	0.046	0.044	0.041	0.039	0.036	0.043	15.13
19) 14 1254-2	0.097	0.081	0.077	0.072	0.068	0.063	0.076	15.79
20) 14 1254-3	0.090	0.077	0.074	0.070	0.066	0.061	0.073	13.58
21) 14 1254-4	0.068	0.062	0.058	0.056	0.053	0.049	0.058	11.79
22) 14 1254-5	0.094	0.080	0.077	0.074	0.070	0.066	0.077	12.65
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.018	0.016	0.015	0.014	0.012	0.016	16.30
25) 16 1242-2	0.043	0.037	0.035	0.031	0.029	0.027	0.034	17.65
26) 16 1242-3	0.085	0.077	0.074	0.069	0.068	0.062	0.073	11.36
27) 16 1242-4	0.039	0.037	0.034	0.032	0.030	0.028	0.034	11.86
28) 16 1242-5	0.028	0.026	0.025	0.024	0.023	0.021	0.024	9.69
29) 19 1268-1	0.164	0.145	0.141	0.131	0.121	0.105	0.135	15.17
30) 19 1268-2	0.162	0.148	0.141	0.132	0.123	0.110	0.136	13.59
31) 19 1268-3	0.108	0.098	0.094	0.088	0.083	0.076	0.091	12.44
32) 19 1268-4	0.053	0.048	0.047	0.044	0.043	0.040	0.046	9.66
33) 19 1268-5	0.292	0.267	0.255	0.234	0.212	0.179	0.240	16.83
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.027	0.027	0.025	0.024	0.022	0.026	12.33
36) 17 1248-2	0.044	0.036	0.036	0.033	0.032	0.027	0.035	16.84



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.064	0.061	0.054	0.051	0.049	0.044	0.054	13.95
38) 17 1248-4	0.057	0.051	0.048	0.045	0.044	0.040	0.047	12.58
39) 17 1248-5	0.047	0.043	0.041	0.039	0.038	0.035	0.040	11.04
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.025	0.023	0.020	0.019	0.017	0.022	20.00
42) 15 1232-2	0.028	0.024	0.022	0.019	0.019	0.017	0.021	19.01
43) 15 1232-3	0.053	0.048	0.045	0.042	0.041	0.038	0.044	12.42
44) 15 1232-4	0.022	0.021	0.020	0.017	0.018	0.017	0.019	11.95
45) 15 1232-5	0.017	0.015	0.014	0.013	0.013	0.012	0.014	14.33
46) 18 1262-1	0.074	0.063	0.058	0.053	0.052	0.048	0.058	16.15
47) 18 1262-2	0.086	0.075	0.070	0.066	0.063	0.057	0.070	14.64
48) 18 1262-3	0.074	0.066	0.062	0.059	0.056	0.052	0.062	12.83
49) 18 1262-4	0.147	0.133	0.125	0.117	0.111	0.099	0.122	13.81
50) 18 1262-5	0.046	0.043	0.040	0.038	0.036	0.034	0.040	10.81



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.381	1.232	1.206	1.198	1.168	1.071	1.209	8.34
3) s Decachlorobip	0.882	0.739	0.722	0.700	0.682	0.636	0.727	11.55
4) 11 1016-1	0.027	0.024	0.022	0.020	0.019	0.018	0.022	15.75
5) 11 1016-2	0.059	0.051	0.047	0.044	0.042	0.039	0.047	15.56
6) 11 1016-3	0.113	0.099	0.094	0.091	0.091	0.084	0.095	10.57
7) 11 1016-4	0.044	0.038	0.036	0.034	0.033	0.031	0.036	12.33
8) 11 1016-5	0.036	0.031	0.029	0.028	0.027	0.025	0.029	13.42
9) 12 1260-1	0.069	0.058	0.053	0.051	0.050	0.047	0.054	14.48
10) 12 1260-2	0.078	0.066	0.061	0.059	0.058	0.054	0.063	13.09
11) 12 1260-3	0.061	0.053	0.050	0.049	0.048	0.045	0.051	10.80
12) 12 1260-4	0.122	0.108	0.104	0.103	0.101	0.093	0.105	9.18
13) 12 1260-5	0.088	0.075	0.072	0.070	0.070	0.066	0.074	10.50
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.016	0.013	0.012	0.011	0.010	0.010	0.012	16.89
16) 13 1221-3	0.009	0.008	0.008	0.007	0.007	0.006	0.008	14.40
17) 13 1221-4	0.035	0.030	0.028	0.026	0.024	0.022	0.027	15.95
18) 14 1254-1	0.053	0.044	0.041	0.039	0.038	0.036	0.042	13.97
19) 14 1254-2	0.063	0.050	0.047	0.045	0.043	0.041	0.048	16.16
20) 14 1254-3	0.090	0.077	0.072	0.070	0.067	0.064	0.073	12.70
21) 14 1254-4	0.060	0.050	0.048	0.046	0.045	0.043	0.049	12.53
22) 14 1254-5	0.081	0.069	0.065	0.063	0.061	0.059	0.066	11.77
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.017	0.016	0.014	0.013	0.012	0.015	16.00
25) 16 1242-2	0.042	0.037	0.034	0.031	0.030	0.028	0.034	15.54
26) 16 1242-3	0.078	0.070	0.068	0.066	0.063	0.060	0.067	9.13
27) 16 1242-4	0.025	0.023	0.022	0.020	0.020	0.019	0.021	11.23
28) 16 1242-5	0.025	0.023	0.021	0.020	0.019	0.018	0.021	10.92
29) 19 1268-1	0.142	0.125	0.121	0.117	0.113	0.103	0.120	10.81
30) 19 1268-2	0.142	0.126	0.121	0.118	0.115	0.106	0.121	9.84
31) 19 1268-3	0.096	0.083	0.080	0.078	0.076	0.072	0.081	10.46
32) 19 1268-4	0.048	0.044	0.041	0.039	0.038	0.037	0.041	10.31
33) 19 1268-5	0.248	0.239	0.228	0.219	0.206	0.181	0.220	11.03
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.026	0.024	0.023	0.023	0.021	0.024	10.31
36) 17 1248-2	0.036	0.032	0.029	0.027	0.026	0.025	0.029	14.43



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.044	0.039	0.036	0.034	0.033	0.031	0.036	12.89
38) 17 1248-4	0.048	0.042	0.040	0.038	0.037	0.035	0.040	11.61
39) 17 1248-5	0.053	0.047	0.044	0.042	0.041	0.039	0.045	11.42
40) i 3262_lbr2nb	----- ISTD -----							
41) 15 1232-1	0.027	0.024	0.022	0.019	0.019	0.017	0.021	17.41
42) 15 1232-2	0.027	0.025	0.022	0.020	0.019	0.017	0.022	17.37
43) 15 1232-3	0.049	0.045	0.041	0.038	0.038	0.036	0.041	11.60
44) 15 1232-4	0.015	0.014	0.012	0.011	0.011	0.010	0.012	14.64
45) 15 1232-5	0.014	0.013	0.012	0.011	0.011	0.010	0.012	14.30
46) 18 1262-1	0.057	0.046	0.042	0.040	0.039	0.037	0.044	16.49
47) 18 1262-2	0.074	0.062	0.057	0.053	0.055	0.050	0.059	14.39
48) 18 1262-3	0.066	0.057	0.053	0.052	0.051	0.048	0.055	11.60
49) 18 1262-4	0.123	0.107	0.101	0.098	0.097	0.089	0.102	11.26
50) 18 1262-5	0.044	0.038	0.036	0.034	0.034	0.033	0.036	11.21



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
-----ISTD-----								
1) i 1660_lbr2nb								
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
-----ISTD-----								
14) i 2154_lbr2nb								
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
-----ISTD-----								
23) i 4268_lbr2nb								
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
-----ISTD-----								
34) i 1248_lbr2nb								
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005778
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST13 **Ical Ref** : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09

Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.008	1.056	1.128	1.166	1.076	1.175	1.101	5.98
3) s Decachlorobip	0.843	0.811	0.866	0.872	0.822	0.885	0.850	3.47
4) 11 1016-1	0.020	0.019	0.019	0.018	0.016	0.017	0.018	9.50
5) 11 1016-2	0.045	0.042	0.042	0.040	0.035	0.038	0.040	9.15
6) 11 1016-3	0.084	0.083	0.088	0.089	0.082	0.087	0.086	3.55
7) 11 1016-4	0.037	0.037	0.037	0.036	0.033	0.035	0.036	4.48
8) 11 1016-5	0.039	0.039	0.040	0.039	0.037	0.040	0.039	3.28
9) 12 1260-1	0.060	0.057	0.059	0.059	0.055	0.059	0.058	3.19
10) 12 1260-2	0.087	0.085	0.088	0.089	0.083	0.089	0.087	2.80
11) 12 1260-3	0.058	0.054	0.057	0.057	0.053	0.057	0.056	3.34
12) 12 1260-4	0.118	0.118	0.126	0.133	0.118	0.133	0.124	5.92
13) 12 1260-5	0.080	0.081	0.084	0.086	0.081	0.089	0.083	4.14
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.012	0.012	0.011	0.011	0.010	0.010	0.011	8.71
16) 13 1221-3	0.008	0.007	0.007	0.007	0.006	0.006	0.007	11.17
17) 13 1221-4	0.031	0.028	0.026	0.027	0.024	0.021	0.026	13.29
18) 14 1254-1	0.047	0.042	0.041	0.044	0.041	0.039	0.042	7.30
19) 14 1254-2	0.079	0.072	0.070	0.077	0.071	0.068	0.073	5.87
20) 14 1254-3	0.073	0.070	0.069	0.077	0.071	0.068	0.071	4.46
21) 14 1254-4	0.054	0.052	0.051	0.057	0.054	0.053	0.054	4.12
22) 14 1254-5	0.076	0.074	0.073	0.081	0.076	0.074	0.076	3.75
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.017	0.015	0.015	0.014	0.013	0.012	0.015	11.59
25) 16 1242-2	0.039	0.035	0.034	0.031	0.030	0.028	0.033	11.49
26) 16 1242-3	0.071	0.068	0.069	0.068	0.068	0.066	0.068	2.28
27) 16 1242-4	0.036	0.033	0.033	0.032	0.030	0.030	0.032	7.35
28) 16 1242-5	0.022	0.022	0.022	0.022	0.021	0.022	0.022	1.06
29) 19 1268-1	0.159	0.149	0.155	0.156	0.153	0.147	0.153	2.94
30) 19 1268-2	0.160	0.153	0.163	0.164	0.162	0.158	0.160	2.47
31) 19 1268-3	0.103	0.097	0.102	0.103	0.104	0.101	0.102	2.38
32) 19 1268-4	0.048	0.047	0.048	0.049	0.049	0.050	0.049	1.80
33) 19 1268-5	0.283	0.286	0.299	0.303	0.295	0.280	0.291	3.20
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.027	0.027	0.027	0.028	0.026	0.027	0.027	1.53
36) 17 1248-2	0.042	0.041	0.037	0.039	0.037	0.037	0.039	5.36



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09	

Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.063	0.061	0.060	0.059	0.057	0.057	0.060	4.17
38) 17 1248-4	0.046	0.049	0.049	0.052	0.050	0.051	0.050	3.90
39) 17 1248-5	0.047	0.050	0.046	0.047	0.045	0.045	0.047	3.61
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.022	0.021	0.020	0.019	0.017	0.017	0.019	10.32
42) 15 1232-2	0.022	0.020	0.019	0.018	0.017	0.017	0.019	10.86
43) 15 1232-3	0.038	0.039	0.039	0.038	0.038	0.039	0.039	0.99
44) 15 1232-4	0.017	0.018	0.017	0.016	0.015	0.016	0.017	5.41
45) 15 1232-5	0.010	0.011	0.011	0.011	0.011	0.012	0.011	4.58
46) 18 1262-1	0.055	0.054	0.054	0.054	0.054	0.055	0.054	1.12
47) 18 1262-2	0.070	0.069	0.070	0.069	0.069	0.070	0.069	0.80
48) 18 1262-3	0.061	0.060	0.062	0.062	0.062	0.063	0.062	1.70
49) 18 1262-4	0.118	0.115	0.118	0.120	0.118	0.118	0.118	1.36
50) 18 1262-5	0.034	0.037	0.038	0.038	0.038	0.040	0.038	5.27



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09	

Signal #2 Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.923	1.003	1.045	1.067	0.995	1.068	1.017	5.47
3) s Decachlorobip	0.540	0.533	0.546	0.545	0.513	0.558	0.539	2.83
4) 11 1016-1	0.018	0.017	0.017	0.016	0.015	0.015	0.017	7.66
5) 11 1016-2	0.041	0.040	0.039	0.037	0.034	0.035	0.038	7.57
6) 11 1016-3	0.078	0.077	0.079	0.078	0.072	0.075	0.076	3.61
7) 11 1016-4	0.025	0.028	0.029	0.028	0.026	0.028	0.027	6.03
8) 11 1016-5	0.024	0.024	0.024	0.024	0.022	0.024	0.024	3.27
9) 12 1260-1	0.046	0.045	0.045	0.045	0.042	0.045	0.045	3.40
10) 12 1260-2	0.052	0.053	0.054	0.053	0.049	0.053	0.052	3.15
11) 12 1260-3	0.040	0.042	0.043	0.043	0.040	0.043	0.042	3.62
12) 12 1260-4	0.080	0.085	0.088	0.089	0.083	0.089	0.086	4.40
13) 12 1260-5	0.054	0.055	0.057	0.057	0.054	0.059	0.056	3.83
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.011	0.011	0.010	0.010	0.009	0.009	0.010	7.69
16) 13 1221-3	0.007	0.007	0.006	0.006	0.006	0.005	0.006	9.99
17) 13 1221-4	0.027	0.025	0.023	0.023	0.021	0.019	0.023	11.22
18) 14 1254-1	0.042	0.038	0.037	0.038	0.036	0.035	0.037	6.54
19) 14 1254-2	0.057	0.044	0.041	0.043	0.040	0.038	0.044	15.19
20) 14 1254-3	0.058	0.062	0.055	0.058	0.054	0.052	0.057	6.04
21) 14 1254-4	0.043	0.042	0.041	0.043	0.040	0.039	0.041	3.63
22) 14 1254-5	0.059	0.058	0.056	0.059	0.056	0.055	0.057	3.31
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.015	0.014	0.014	0.013	0.012	0.011	0.013	10.58
25) 16 1242-2	0.033	0.032	0.031	0.029	0.028	0.026	0.030	9.84
26) 16 1242-3	0.067	0.062	0.062	0.059	0.058	0.055	0.060	6.37
27) 16 1242-4	0.021	0.020	0.020	0.018	0.019	0.018	0.019	6.57
28) 16 1242-5	0.020	0.019	0.019	0.018	0.018	0.017	0.018	5.35
29) 19 1268-1	0.109	0.104	0.107	0.103	0.104	0.099	0.104	3.52
30) 19 1268-2	0.110	0.108	0.112	0.109	0.111	0.105	0.109	2.15
31) 19 1268-3	0.070	0.067	0.069	0.068	0.070	0.067	0.068	1.97
32) 19 1268-4	0.033	0.031	0.031	0.031	0.032	0.031	0.032	2.45
33) 19 1268-5	0.182	0.180	0.189	0.185	0.188	0.176	0.183	2.75
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.024	0.024	0.024	0.024	0.023	0.023	0.024	2.05
36) 17 1248-2	0.032	0.031	0.030	0.029	0.028	0.028	0.030	4.82



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09	

Signal #2 Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.037	0.037	0.036	0.036	0.035	0.035	0.036	2.53
38) 17 1248-4	0.040	0.041	0.040	0.040	0.039	0.039	0.040	1.71
39) 17 1248-5	0.046	0.046	0.044	0.044	0.044	0.044	0.045	2.11
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.019	0.019	0.018	0.017	0.015	0.015	0.017	10.01
42) 15 1232-2	0.017	0.019	0.018	0.017	0.016	0.016	0.017	7.40
43) 15 1232-3	0.036	0.035	0.034	0.034	0.033	0.032	0.034	3.79
44) 15 1232-4	0.010	0.010	0.010	0.010	0.010	0.010	0.010	3.94
45) 15 1232-5	0.009	0.010	0.009	0.009	0.009	0.009	0.009	3.17
46) 18 1262-1	0.036	0.037	0.036	0.035	0.034	0.035	0.036	3.06
47) 18 1262-2	0.050	0.053	0.052	0.048	0.047	0.048	0.050	4.51
48) 18 1262-3	0.045	0.047	0.046	0.045	0.044	0.044	0.045	2.72
49) 18 1262-4	0.081	0.086	0.086	0.085	0.083	0.082	0.084	2.61
50) 18 1262-5	0.024	0.026	0.027	0.027	0.027	0.028	0.027	4.38



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.580	1.358	1.329	1.239	1.126	1.195	1.305	12.25
3) s Decachlorobiphenyl	1.366	1.092	1.055	0.972	0.874	0.920	1.047	16.84
4) 11 1016-1	0.030	0.027	0.026	0.023	0.020	0.021	0.025	15.05
5) 11 1016-2	0.063	0.058	0.056	0.049	0.043	0.045	0.052	14.74
6) 11 1016-3	0.132	0.115	0.110	0.100	0.090	0.094	0.107	14.46
7) 11 1016-4	0.058	0.050	0.047	0.042	0.037	0.038	0.045	17.00
8) 11 1016-5	0.057	0.052	0.050	0.045	0.039	0.040	0.047	14.50
9) 12 1260-1	0.082	0.071	0.068	0.061	0.055	0.057	0.066	15.59
10) 12 1260-2	0.123	0.106	0.102	0.092	0.084	0.087	0.099	14.62
11) 12 1260-3	0.078	0.071	0.066	0.060	0.054	0.058	0.064	14.14
12) 12 1260-4	0.160	0.144	0.139	0.128	0.118	0.124	0.136	11.47
13) 12 1260-5	0.093	0.111	0.107	0.097	0.089	0.091	0.098	9.07
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.020	0.017	0.015	0.015	0.013	0.012	0.015	17.65
16) 13 1221-3	0.011	0.011	0.010	0.010	0.008	0.008	0.010	13.69
17) 13 1221-4	0.042	0.038	0.034	0.033	0.029	0.027	0.034	16.48
18) 14 1254-1	0.062	0.055	0.049	0.047	0.042	0.040	0.049	16.73
19) 14 1254-2	0.106	0.096	0.086	0.083	0.073	0.071	0.086	15.76
20) 14 1254-3	0.110	0.090	0.082	0.080	0.072	0.070	0.084	17.30
21) 14 1254-4	0.083	0.072	0.065	0.063	0.057	0.055	0.066	15.49
22) 14 1254-5	0.118	0.101	0.092	0.089	0.079	0.077	0.093	16.35
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.025	0.022	0.021	0.018	0.017	0.015	0.020	18.24
25) 16 1242-2	0.055	0.048	0.044	0.039	0.036	0.033	0.042	18.86
26) 16 1242-3	0.111	0.093	0.087	0.077	0.075	0.070	0.086	17.57
27) 16 1242-4	0.050	0.043	0.041	0.037	0.035	0.031	0.039	16.54
28) 16 1242-5	0.037	0.031	0.030	0.026	0.025	0.023	0.029	17.46
29) 19 1268-1	0.229	0.190	0.181	0.166	0.163	0.151	0.180	15.35
30) 19 1268-2	0.231	0.194	0.186	0.168	0.166	0.153	0.183	15.09
31) 19 1268-3	0.160	0.133	0.126	0.115	0.113	0.105	0.125	15.67
32) 19 1268-4	0.089	0.068	0.065	0.059	0.057	0.053	0.065	19.71
33) 19 1268-5	0.421	0.356	0.348	0.321	0.319	0.290	0.343	13.13
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.043	0.039	0.036	0.033	0.030	0.029	0.035	16.12
36) 17 1248-2	0.049	0.048	0.044	0.039	0.036	0.034	0.042	14.96



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.078	0.073	0.065	0.060	0.058	0.070	16.34
38) 17 1248-4	0.071	0.067	0.061	0.057	0.052	0.050	0.060	13.60
39) 17 1248-5	0.062	0.061	0.055	0.049	0.046	0.044	0.053	14.64
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.030	0.029	0.027	0.024	0.022	0.021	0.025	15.00
42) 15 1232-2	0.028	0.028	0.026	0.023	0.021	0.020	0.024	13.93
43) 15 1232-3	0.059	0.055	0.052	0.046	0.044	0.043	0.050	12.96
44) 15 1232-4	0.024	0.024	0.022	0.020	0.019	0.018	0.021	11.43
45) 15 1232-5	0.016	0.018	0.016	0.014	0.014	0.013	0.015	12.09
46) 18 1262-1	0.081	0.072	0.069	0.061	0.059	0.056	0.066	14.22
47) 18 1262-2	0.107	0.090	0.084	0.074	0.072	0.068	0.083	17.55
48) 18 1262-3	0.087	0.080	0.077	0.069	0.068	0.064	0.074	11.54
49) 18 1262-4	0.169	0.150	0.144	0.133	0.131	0.125	0.142	11.28
50) 18 1262-5	0.060	0.057	0.054	0.049	0.047	0.044	0.052	11.69



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005778
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST19	Ical Ref	: ICAL16321
Calibration dates	: 11/20/19 11:11 11/20/19 14:31		

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.481	1.319	1.295	1.217	1.125	1.224	1.277	9.48
3) s Decachlorobip	1.275	1.122	1.094	1.019	0.936	1.017	1.077	10.84
4) 11 1016-1	0.028	0.025	0.025	0.022	0.020	0.021	0.023	13.02
5) 11 1016-2	0.056	0.057	0.056	0.048	0.043	0.045	0.051	11.93
6) 11 1016-3	0.116	0.106	0.108	0.098	0.089	0.096	0.102	9.45
7) 11 1016-4	0.046	0.044	0.045	0.039	0.034	0.036	0.041	11.95
8) 11 1016-5	0.036	0.036	0.035	0.032	0.028	0.030	0.033	10.17
9) 12 1260-1	0.075	0.071	0.070	0.065	0.059	0.063	0.067	9.23
10) 12 1260-2	0.090	0.082	0.082	0.076	0.069	0.074	0.079	9.36
11) 12 1260-3	0.075	0.074	0.072	0.066	0.061	0.065	0.069	8.28
12) 12 1260-4	0.167	0.150	0.147	0.138	0.128	0.139	0.145	9.27
13) 12 1260-5	0.113	0.106	0.104	0.097	0.088	0.095	0.101	8.80
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.016	0.014	0.014	0.012	0.011	0.014	11.49
16) 13 1221-3	0.009	0.010	0.009	0.009	0.008	0.007	0.009	11.04
17) 13 1221-4	0.034	0.035	0.032	0.033	0.029	0.027	0.031	10.09
18) 14 1254-1	0.064	0.056	0.053	0.052	0.047	0.045	0.053	12.85
19) 14 1254-2	0.071	0.066	0.062	0.060	0.054	0.051	0.061	12.28
20) 14 1254-3	0.103	0.088	0.081	0.082	0.074	0.072	0.083	13.26
21) 14 1254-4	0.074	0.065	0.060	0.060	0.054	0.052	0.061	12.82
22) 14 1254-5	0.116	0.099	0.091	0.092	0.082	0.079	0.093	14.34
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.021	0.019	0.017	0.016	0.015	0.018	12.72
25) 16 1242-2	0.048	0.044	0.042	0.039	0.035	0.033	0.040	13.60
26) 16 1242-3	0.098	0.087	0.083	0.076	0.072	0.069	0.081	13.09
27) 16 1242-4	0.031	0.029	0.028	0.026	0.024	0.023	0.027	11.68
28) 16 1242-5	0.032	0.031	0.029	0.026	0.024	0.023	0.028	13.65
29) 19 1268-1	0.223	0.199	0.188	0.180	0.173	0.166	0.188	10.92
30) 19 1268-2	0.221	0.216	0.191	0.181	0.175	0.167	0.192	11.50
31) 19 1268-3	0.155	0.135	0.129	0.123	0.119	0.114	0.129	11.34
32) 19 1268-4	0.076	0.071	0.067	0.063	0.059	0.057	0.065	10.84
33) 19 1268-5	0.427	0.373	0.365	0.355	0.344	0.324	0.365	9.61
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.034	0.032	0.029	0.029	0.033	12.92
36) 17 1248-2	0.047	0.044	0.041	0.038	0.036	0.034	0.040	12.71



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.056	0.052	0.049	0.045	0.044	0.051	10.97
38) 17 1248-4	0.061	0.063	0.058	0.054	0.051	0.050	0.056	9.27
39) 17 1248-5	0.069	0.070	0.064	0.060	0.057	0.056	0.063	9.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.027	0.025	0.023	0.021	0.021	0.024	13.92
42) 15 1232-2	0.030	0.026	0.026	0.023	0.022	0.021	0.024	13.66
43) 15 1232-3	0.052	0.051	0.048	0.044	0.042	0.041	0.046	10.00
44) 15 1232-4	0.015	0.015	0.015	0.014	0.014	0.013	0.014	7.89
45) 15 1232-5	0.016	0.015	0.015	0.014	0.014	0.013	0.014	8.16
46) 18 1262-1	0.060	0.060	0.058	0.053	0.053	0.050	0.055	7.71
47) 18 1262-2	0.090	0.087	0.082	0.075	0.074	0.071	0.080	9.98
48) 18 1262-3	0.082	0.080	0.080	0.072	0.072	0.068	0.076	7.32
49) 18 1262-4	0.160	0.150	0.149	0.138	0.138	0.132	0.144	6.99
50) 18 1262-5	0.058	0.059	0.054	0.050	0.048	0.047	0.053	10.11



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.035	1.042	1.067	1.034	0.969	1.089	1.039	3.89
3) s Decachlorobiphenyl	0.939	0.851	0.852	0.848	0.769	0.850	0.851	6.34
4) 11 1016-1	0.024	0.020	0.021	0.018	0.016	0.017	0.019	14.55
5) 11 1016-2	0.050	0.047	0.045	0.041	0.036	0.039	0.043	12.39
6) 11 1016-3	0.086	0.082	0.082	0.078	0.072	0.079	0.080	5.87
7) 11 1016-4	0.038	0.036	0.036	0.033	0.030	0.032	0.034	8.88
8) 11 1016-5	0.038	0.039	0.039	0.036	0.032	0.035	0.036	7.19
9) 12 1260-1	0.062	0.056	0.056	0.052	0.047	0.051	0.054	9.15
10) 12 1260-2	0.089	0.082	0.082	0.079	0.071	0.077	0.080	7.62
11) 12 1260-3	0.054	0.052	0.052	0.048	0.046	0.050	0.050	6.05
12) 12 1260-4	0.110	0.105	0.107	0.107	0.100	0.111	0.107	3.85
13) 12 1260-5	0.079	0.076	0.078	0.076	0.070	0.078	0.076	4.20
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.011	0.011	0.011	0.011	0.010	0.010	0.011	6.66
16) 13 1221-2	0.006	0.007	0.007	0.007	0.006	0.006	0.006	8.85
17) 13 1221-3	0.032	0.028	0.026	0.027	0.023	0.023	0.026	13.08
18) 14 1254-1	0.050	0.043	0.039	0.040	0.036	0.035	0.041	13.23
19) 14 1254-2	0.085	0.073	0.067	0.070	0.063	0.062	0.070	12.27
20) 14 1254-3	0.086	0.075	0.071	0.076	0.070	0.069	0.075	8.28
21) 14 1254-4	0.062	0.055	0.052	0.054	0.049	0.048	0.053	9.62
22) 14 1254-5	0.080	0.072	0.069	0.073	0.068	0.067	0.071	6.64
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.017	0.017	0.016	0.014	0.013	0.013	0.015	12.12
25) 16 1242-2	0.044	0.041	0.037	0.032	0.031	0.029	0.036	16.90
26) 16 1242-3	0.074	0.067	0.065	0.060	0.059	0.058	0.064	9.62
27) 16 1242-4	0.027	0.024	0.024	0.021	0.021	0.020	0.023	11.96
28) 16 1242-5	0.025	0.023	0.023	0.020	0.020	0.019	0.022	10.85
29) 19 1268-1	0.166	0.147	0.150	0.141	0.145	0.142	0.148	6.27
30) 19 1268-2	0.180	0.156	0.158	0.148	0.151	0.148	0.157	7.63
31) 19 1268-3	0.110	0.100	0.101	0.094	0.097	0.096	0.100	5.71
32) 19 1268-4	0.044	0.046	0.049	0.046	0.047	0.046	0.046	3.26
33) 19 1268-5	0.333	0.281	0.297	0.283	0.294	0.286	0.296	6.49
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.054	0.055	0.051	0.049	0.047	0.048	0.051	6.37
36) 17 1248-2	0.043	0.042	0.039	0.036	0.034	0.034	0.038	10.22



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.065	0.060	0.058	0.053	0.051	0.051	0.056	9.53
38) 17 1248-4	0.052	0.049	0.048	0.044	0.044	0.045	0.047	6.35
39) 17 1248-5	0.043	0.041	0.040	0.038	0.038	0.038	0.040	5.65
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.026	0.022	0.020	0.018	0.018	0.017	0.020	16.89
42) 15 1232-2	0.024	0.021	0.022	0.019	0.017	0.017	0.020	13.78
43) 15 1232-3	0.039	0.038	0.037	0.035	0.033	0.035	0.036	6.49
44) 15 1232-4	0.017	0.018	0.017	0.015	0.015	0.015	0.016	9.16
45) 15 1232-5	0.012	0.012	0.012	0.011	0.010	0.010	0.011	8.20
46) 18 1262-1	0.058	0.055	0.053	0.049	0.047	0.049	0.052	7.75
47) 18 1262-2	0.073	0.070	0.067	0.063	0.061	0.064	0.066	6.94
48) 18 1262-3	0.056	0.061	0.059	0.056	0.055	0.058	0.058	4.16
49) 18 1262-4	0.119	0.125	0.123	0.119	0.120	0.126	0.122	2.45
50) 18 1262-5	0.037	0.037	0.038	0.036	0.035	0.037	0.037	2.44



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Signal #2 Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.022	1.030	1.076	1.057	0.976	1.079	1.040	3.75
3) s Decachlorobip	0.816	0.706	0.715	0.704	0.639	0.706	0.714	7.98
4) 11 1016-1	0.024	0.021	0.021	0.019	0.017	0.018	0.020	13.31
5) 11 1016-2	0.050	0.047	0.047	0.043	0.038	0.040	0.044	10.89
6) 11 1016-3	0.051	0.048	0.049	0.046	0.042	0.046	0.047	6.43
7) 11 1016-4	0.036	0.035	0.035	0.032	0.029	0.031	0.033	8.48
8) 11 1016-5	0.031	0.029	0.029	0.027	0.024	0.025	0.027	9.63
9) 12 1260-1	0.060	0.055	0.055	0.052	0.047	0.051	0.053	8.60
10) 12 1260-2	0.069	0.065	0.065	0.061	0.055	0.060	0.063	7.63
11) 12 1260-3	0.052	0.051	0.052	0.050	0.045	0.049	0.050	5.39
12) 12 1260-4	0.103	0.104	0.106	0.105	0.095	0.105	0.103	3.79
13) 12 1260-5	0.072	0.071	0.072	0.069	0.064	0.071	0.070	4.47
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.015	0.013	0.012	0.012	0.011	0.010	0.012	12.85
16) 13 1221-2	0.010	0.008	0.008	0.008	0.007	0.006	0.008	15.13
17) 13 1221-3	0.034	0.030	0.028	0.028	0.025	0.023	0.028	13.75
18) 14 1254-1	0.053	0.046	0.043	0.044	0.040	0.038	0.044	11.82
19) 14 1254-2	0.067	0.056	0.050	0.051	0.046	0.044	0.053	15.45
20) 14 1254-3	0.081	0.073	0.068	0.072	0.066	0.064	0.071	8.60
21) 14 1254-4	0.056	0.052	0.049	0.052	0.047	0.046	0.050	7.62
22) 14 1254-5	0.076	0.071	0.067	0.071	0.065	0.063	0.069	7.08
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.017	0.017	0.015	0.014	0.013	0.016	16.33
25) 16 1242-2	0.043	0.039	0.037	0.033	0.032	0.030	0.036	14.11
26) 16 1242-3	0.044	0.039	0.038	0.035	0.034	0.034	0.038	10.72
27) 16 1242-4	0.029	0.024	0.024	0.021	0.021	0.020	0.023	14.38
28) 16 1242-5	0.027	0.023	0.023	0.021	0.020	0.019	0.022	12.64
29) 19 1268-1	0.152	0.132	0.135	0.124	0.128	0.124	0.133	7.91
30) 19 1268-2	0.149	0.130	0.133	0.123	0.127	0.124	0.131	7.29
31) 19 1268-3	0.101	0.086	0.088	0.081	0.084	0.082	0.087	8.29
32) 19 1268-4	0.043	0.041	0.043	0.039	0.040	0.039	0.041	4.12
33) 19 1268-5	0.263	0.238	0.249	0.236	0.244	0.238	0.245	4.08
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.029	0.028	0.027	0.026	0.025	0.028	8.32
36) 17 1248-2	0.041	0.039	0.036	0.034	0.032	0.031	0.035	11.39



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Signal #2 Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.049	0.046	0.044	0.041	0.039	0.039	0.043	9.35
38) 17 1248-4	0.052	0.051	0.048	0.047	0.044	0.044	0.048	7.21
39) 17 1248-5	0.057	0.055	0.053	0.051	0.048	0.048	0.052	6.91
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.023	0.023	0.022	0.020	0.018	0.018	0.021	11.22
42) 15 1232-2	0.023	0.023	0.022	0.020	0.019	0.018	0.021	10.09
43) 15 1232-3	0.024	0.022	0.022	0.020	0.020	0.020	0.021	7.24
44) 15 1232-4	0.014	0.013	0.013	0.011	0.011	0.011	0.012	10.05
45) 15 1232-5	0.013	0.012	0.012	0.011	0.011	0.011	0.012	9.15
46) 18 1262-1	0.049	0.047	0.046	0.042	0.040	0.041	0.044	8.47
47) 18 1262-2	0.069	0.063	0.062	0.057	0.056	0.057	0.061	8.50
48) 18 1262-3	0.057	0.058	0.056	0.052	0.052	0.053	0.055	4.85
49) 18 1262-4	0.103	0.106	0.104	0.100	0.099	0.101	0.102	2.64
50) 18 1262-5	0.035	0.035	0.036	0.034	0.033	0.034	0.035	2.44



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Ical Ref : ICAL16473
Calibration dates : 01/29/20 19:58 01/30/20 22:51	

Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.194	1.129	1.148	1.145	1.181	1.188	1.164	2.31
3) s Decachlorobiphenyl	0.914	0.819	0.823	0.765	0.781	0.805	0.818	6.36
4) 11 1016-1	0.024	0.020	0.019	0.017	0.017	0.016	0.019	14.72
5) 11 1016-2	0.050	0.041	0.040	0.038	0.037	0.036	0.040	12.94
6) 11 1016-3	0.101	0.091	0.089	0.087	0.086	0.086	0.090	6.59
7) 11 1016-4	0.043	0.037	0.036	0.034	0.034	0.033	0.036	10.09
8) 11 1016-5	0.045	0.039	0.038	0.035	0.036	0.037	0.039	9.31
9) 12 1260-1	0.067	0.056	0.055	0.052	0.053	0.053	0.056	9.86
10) 12 1260-2	0.100	0.087	0.086	0.080	0.081	0.083	0.086	8.44
11) 12 1260-3	0.061	0.054	0.054	0.050	0.052	0.053	0.054	6.62
12) 12 1260-4	0.137	0.125	0.128	0.120	0.121	0.123	0.126	4.89
13) 12 1260-5	0.091	0.081	0.082	0.077	0.079	0.083	0.082	5.60
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.013	0.013	0.010	0.010	0.011		0.011	11.66
16) 13 1221-3	0.008	0.008	0.006	0.006	0.006		0.007	14.26
17) 13 1221-4	0.030	0.030	0.024	0.023	0.024		0.026	13.18
18) 14 1254-1	0.046	0.045	0.037	0.037	0.041	0.038	0.041	9.87
19) 14 1254-2	0.081	0.080	0.065	0.066	0.073	0.066	0.072	9.87
20) 14 1254-3	0.077	0.080	0.066	0.069	0.076	0.068	0.073	7.87
21) 14 1254-4	0.060	0.062	0.050	0.053	0.059	0.054	0.056	7.89
22) 14 1254-5	0.080	0.083	0.067	0.072	0.080	0.073	0.076	8.18
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.013	0.015	13.62
25) 16 1242-2	0.039	0.033	0.032	0.030	0.029	0.029	0.032	12.23
26) 16 1242-3	0.075	0.069	0.070	0.069	0.069	0.067	0.070	4.10
27) 16 1242-4	0.035	0.032	0.031	0.030	0.030	0.030	0.031	6.42
28) 16 1242-5	0.027	0.023	0.023	0.023	0.023	0.023	0.024	6.86
29) 19 1268-1	0.167	0.158	0.155	0.150	0.149	0.141	0.153	5.72
30) 19 1268-2	0.169	0.156	0.155	0.154	0.153	0.149	0.156	4.43
31) 19 1268-3	0.110	0.099	0.099	0.100	0.100	0.100	0.101	4.34
32) 19 1268-4	0.055	0.049	0.047	0.048	0.049	0.050	0.050	5.26
33) 19 1268-5	0.315	0.295	0.290	0.286	0.277	0.260	0.287	6.36
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.024	0.024	0.022	0.025	0.022	0.024	9.72
36) 17 1248-2	0.039	0.033	0.032	0.029	0.032	0.029	0.032	11.87



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Ical Ref : ICAL16473
Calibration dates : 01/29/20 19:58 01/30/20 22:51	

Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.051	0.049	0.045	0.050	0.045	0.050	9.61
38) 17 1248-4	0.052	0.045	0.044	0.042	0.047	0.041	0.045	8.78
39) 17 1248-5	0.042	0.038	0.037	0.035	0.039	0.035	0.038	7.09
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.025	0.023	0.021	0.020	0.019	0.017	0.021	13.76
42) 15 1232-2	0.023	0.021	0.020	0.019	0.018	0.017	0.020	11.36
43) 15 1232-3	0.045	0.046	0.042	0.042	0.043	0.039	0.043	5.48
44) 15 1232-4	0.020	0.019	0.017	0.017	0.017	0.016	0.018	9.18
45) 15 1232-5	0.015	0.014	0.013	0.013	0.013	0.012	0.013	9.53
46) 18 1262-1	0.066	0.063	0.057	0.058	0.059	0.053	0.059	7.58
47) 18 1262-2	0.081	0.079	0.071	0.073	0.073	0.066	0.074	7.40
48) 18 1262-3	0.072	0.070	0.064	0.066	0.067	0.060	0.067	6.37
49) 18 1262-4	0.145	0.148	0.135	0.138	0.140	0.123	0.138	6.27
50) 18 1262-5	0.045	0.043	0.039	0.041	0.042	0.039	0.041	5.63



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Ical Ref : ICAL16473
Calibration dates : 01/29/20 19:58 01/30/20 22:51	

Signal #2 Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.253	1.118	1.120	1.107	1.088	1.079	1.128	5.64
3) s Decachlorobip	0.732	0.629	0.628	0.593	0.589	0.621	0.632	8.22
4) 11 1016-1	0.024	0.020	0.019	0.017	0.016	0.016	*L	0.9979
5) 11 1016-2	0.052	0.043	0.041	0.038	0.036	0.035	*L	0.9987
6) 11 1016-3	0.104	0.089	0.087	0.083	0.079	0.078	*L	0.9993
7) 11 1016-4	0.040	0.034	0.033	0.031	0.030	0.029	*L	0.9994
8) 11 1016-5	0.034	0.027	0.026	0.025	0.025	0.025	*L	0.9999
9) 12 1260-1	0.061	0.051	0.049	0.047	0.046	0.047	0.050	11.70
10) 12 1260-2	0.069	0.060	0.059	0.055	0.054	0.055	0.059	9.61
11) 12 1260-3	0.055	0.047	0.046	0.044	0.043	0.045	0.047	8.76
12) 12 1260-4	0.109	0.098	0.098	0.093	0.091	0.094	0.097	6.76
13) 12 1260-5	0.076	0.065	0.065	0.062	0.062	0.065	0.066	7.93
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.013	0.013	0.011	0.010	0.010		*L	0.9965
16) 13 1221-3	0.008	0.008	0.007	0.006	0.006		*L	0.9952
17) 13 1221-4	0.032	0.031	0.025	0.023	0.023		*L	0.9957
18) 14 1254-1	0.049	0.047	0.038	0.038	0.041	0.038	0.042	12.15
19) 14 1254-2	0.041	0.041	0.033	0.034	0.037	0.034	0.036	10.07
20) 14 1254-3	0.084	0.083	0.062	0.069	0.074	0.067	0.073	12.26
21) 14 1254-4	0.055	0.056	0.044	0.046	0.051	0.045	0.050	10.08
22) 14 1254-5	0.072	0.073	0.058	0.061	0.067	0.062	0.065	9.32
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.012	0.014	13.92
25) 16 1242-2	0.039	0.034	0.034	0.031	0.029	0.028	0.033	12.18
26) 16 1242-3	0.077	0.070	0.070	0.066	0.064	0.062	0.068	7.59
27) 16 1242-4	0.026	0.023	0.022	0.021	0.020	0.020	0.022	9.96
28) 16 1242-5	0.025	0.022	0.022	0.021	0.020	0.020	0.022	8.50
29) 19 1268-1	0.139	0.123	0.123	0.120	0.117	0.114	0.123	7.27
30) 19 1268-2	0.137	0.124	0.126	0.124	0.122	0.121	0.126	4.76
31) 19 1268-3	0.090	0.080	0.081	0.080	0.079	0.079	0.082	5.01
32) 19 1268-4	0.045	0.039	0.039	0.039	0.039	0.040	0.040	6.16
33) 19 1268-5	0.246	0.228	0.229	0.224	0.216	0.160	0.217	13.66
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.025	0.024	0.021	0.023	0.020	0.024	12.00
36) 17 1248-2	0.036	0.030	0.028	0.025	0.027	0.024	0.029	14.64



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Ical Ref : ICAL16473
Calibration dates : 01/29/20 19:58 01/30/20 22:51	

Signal #2 Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.044	0.037	0.036	0.032	0.035	0.031	0.036	12.41
38) 17 1248-4	0.049	0.042	0.040	0.037	0.040	0.036	0.041	11.26
39) 17 1248-5	0.054	0.047	0.045	0.041	0.044	0.040	0.045	11.07
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.025	0.022	0.021	0.020	0.018	0.017	0.020	14.60
42) 15 1232-2	0.025	0.022	0.021	0.020	0.019	0.018	0.021	11.74
43) 15 1232-3	0.047	0.042	0.042	0.041	0.041	0.037	0.042	7.48
44) 15 1232-4	0.015	0.013	0.013	0.012	0.012	0.011	0.013	10.54
45) 15 1232-5	0.015	0.012	0.012	0.012	0.012	0.011	0.012	10.29
46) 18 1262-1	0.051	0.044	0.044	0.044	0.043	0.040	0.044	8.43
47) 18 1262-2	0.069	0.060	0.060	0.060	0.059	0.055	0.060	7.86
48) 18 1262-3	0.062	0.054	0.054	0.055	0.055	0.050	0.055	7.19
49) 18 1262-4	0.114	0.104	0.103	0.106	0.104	0.094	0.104	6.14
50) 18 1262-5	0.085	0.072	0.070	0.072	0.072	0.067	0.073	8.17



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005778
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Ical Ref** : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.840	1.624	1.528	1.377	1.453	1.347	1.528	11.98
3) s Decachlorobiphenyl	1.781	1.325	1.193	1.042	1.073	0.983	*L	0.9974
4) 11 1016-1	0.036	0.031	0.030	0.026	0.026	0.023	0.029	16.24
5) 11 1016-2	0.082	0.069	0.065	0.055	0.055	0.049	0.062	19.00
6) 11 1016-3	0.149	0.129	0.121	0.107	0.110	0.100	0.119	15.01
7) 11 1016-4	0.061	0.057	0.054	0.046	0.048	0.043	0.052	13.27
8) 11 1016-5	0.068	0.058	0.056	0.049	0.050	0.044	0.054	15.63
9) 12 1260-1	0.102	0.082	0.076	0.066	0.067	0.061	0.076	19.85
10) 12 1260-2	0.154	0.126	0.116	0.101	0.103	0.093	0.115	19.31
11) 12 1260-3	0.090	0.078	0.073	0.064	0.065	0.059	0.072	15.91
12) 12 1260-4	0.200	0.162	0.150	0.135	0.141	0.131	0.153	16.62
13) 12 1260-5	0.104	0.088	0.082	0.072	0.074	0.068	0.082	16.17
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.023	0.018	0.017	0.015		0.019	15.21
16) 13 1221-2	0.010	0.014	0.011	0.010	0.010		0.011	17.65
17) 13 1221-3	0.047	0.053	0.043	0.037	0.034		0.043	18.02
18) 14 1254-1	0.074	0.078	0.060	0.051	0.048	0.041	*Q	0.9949
19) 14 1254-2	0.137	0.134	0.103	0.088	0.083	0.071	*Q	0.9953
20) 14 1254-3	0.121	0.125	0.097	0.085	0.081	0.070	*Q	0.9960
21) 14 1254-4	0.096	0.101	0.079	0.069	0.065	0.056	*Q	0.9960
22) 14 1254-5	0.140	0.139	0.109	0.095	0.090	0.078	*Q	0.9963
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.030	0.025	0.025	0.023	0.020	0.018	0.024	17.63
25) 16 1242-2	0.133	0.107	0.105	0.094	0.084	0.079	0.100	19.34
26) 16 1242-3	0.042	0.046	0.046	0.043	0.037	0.035	0.042	11.40
27) 16 1242-4	0.063	0.050	0.050	0.046	0.040	0.037	0.048	19.65
28) 16 1242-5	0.042	0.035	0.035	0.032	0.028	0.026	0.033	17.07
29) 19 1268-1	0.321	0.224	0.215	0.197	0.180	0.172	*L	0.9970
30) 19 1268-2	0.313	0.225	0.216	0.198	0.180	0.172	*L	0.9969
31) 19 1268-3	0.215	0.156	0.149	0.136	0.123	0.117	*L	0.9964
32) 19 1268-4	0.108	0.082	0.079	0.071	0.064	0.060	*L	0.9950
33) 19 1268-5	0.618	0.415	0.402	0.377	0.347	0.333	*L	0.9980
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.041	0.039	0.036	0.029	0.033	0.027	0.034	16.16
36) 17 1248-2	0.057	0.056	0.049	0.041	0.044	0.038	0.048	16.77



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.082	0.072	0.062	0.066	0.058	0.071	16.56
38) 17 1248-4	0.068	0.069	0.060	0.051	0.055	0.049	0.059	14.86
39) 17 1248-5	0.061	0.066	0.057	0.047	0.051	0.045	0.055	14.70
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.040	0.036	0.036	0.030	0.027	0.025	0.032	18.07
42) 15 1232-2	0.041	0.035	0.035	0.030	0.027	0.024	0.032	19.55
43) 15 1232-3	0.077	0.067	0.066	0.056	0.052	0.048	0.061	17.45
44) 15 1232-4	0.034	0.029	0.029	0.026	0.023	0.021	0.027	16.56
45) 15 1232-5	0.024	0.020	0.020	0.018	0.016	0.015	0.019	17.06
46) 18 1262-1	0.112	0.096	0.090	0.076	0.070		*L	0.9920
47) 18 1262-2	0.173	0.126	0.113	0.093	0.087		*L	0.9923
48) 18 1262-3	0.127	0.104	0.098	0.082	0.077		*L	0.9932
49) 18 1262-4	0.241	0.191	0.180	0.156	0.150		*L	0.9966
50) 18 1262-5	0.086	0.073	0.069	0.059	0.055		*L	0.9931



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.593	1.421	1.332	1.261	1.378	1.307	1.382	8.51
3) s Decachlorobip	1.681	1.312	1.188	1.080	1.145	1.076	1.247	18.42
4) 11 1016-1	0.031	0.028	0.027	0.024	0.025	0.022	0.026	11.60
5) 11 1016-2	0.072	0.064	0.059	0.053	0.055	0.050	0.059	13.55
6) 11 1016-3	0.138	0.118	0.114	0.104	0.111	0.103	0.115	11.12
7) 11 1016-4	0.055	0.047	0.045	0.041	0.043	0.039	0.045	12.58
8) 11 1016-5	0.045	0.038	0.038	0.035	0.036	0.033	0.038	11.16
9) 12 1260-1	0.099	0.079	0.076	0.068	0.071	0.066	0.077	15.38
10) 12 1260-2	0.117	0.095	0.088	0.080	0.084	0.079	0.091	15.45
11) 12 1260-3	0.096	0.080	0.076	0.069	0.073	0.068	0.077	13.68
12) 12 1260-4	0.193	0.162	0.153	0.142	0.154	0.147	0.158	11.41
13) 12 1260-5	0.137	0.116	0.111	0.101	0.107	0.101	0.112	12.25
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.021	0.016	0.015	0.014		0.017	16.92
16) 13 1221-2	0.013	0.013	0.011	0.010	0.009		0.011	15.13
17) 13 1221-3	0.047	0.048	0.039	0.035	0.033		0.040	17.44
18) 14 1254-1	0.074	0.079	0.063	0.056	0.054	0.050	*L	0.9924
19) 14 1254-2	0.092	0.094	0.072	0.064	0.062	0.057	*L	0.9920
20) 14 1254-3	0.114	0.120	0.096	0.085	0.084	0.079	*L	0.9945
21) 14 1254-4	0.087	0.092	0.072	0.065	0.064	0.060	*L	0.9940
22) 14 1254-5	0.124	0.132	0.105	0.094	0.092	0.086	*L	0.9940
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.027	0.022	0.023	0.021	0.019	0.017	0.022	16.41
25) 16 1242-2	0.063	0.051	0.051	0.048	0.042	0.039	0.049	17.68
26) 16 1242-3	0.123	0.095	0.096	0.090	0.082	0.079	0.094	16.48
27) 16 1242-4	0.042	0.033	0.033	0.033	0.028	0.026	0.033	16.88
28) 16 1242-5	0.039	0.032	0.033	0.031	0.028	0.026	0.031	13.91
29) 19 1268-1	0.301	0.217	0.218	0.205	0.193	0.190	*L	0.9992
30) 19 1268-2	0.287	0.215	0.217	0.203	0.190	0.187	*L	0.9989
31) 19 1268-3	0.200	0.149	0.147	0.138	0.129	0.127	*L	0.9989
32) 19 1268-4	0.110	0.077	0.077	0.073	0.066	0.064	*L	0.9978
33) 19 1268-5	0.589	0.413	0.413	0.403	0.382	0.382	*L	0.9997
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.032	0.029	0.031	0.028	0.033	13.55
36) 17 1248-2	0.050	0.048	0.043	0.037	0.040	0.035	0.042	13.89



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.061	0.059	0.053	0.045	0.049	0.044	0.052	13.69
38) 17 1248-4	0.065	0.064	0.058	0.050	0.056	0.050	0.057	11.36
39) 17 1248-5	0.072	0.072	0.064	0.056	0.061	0.056	0.063	11.30
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.039	0.033	0.032	0.028	0.026	0.024	0.030	18.61
42) 15 1232-2	0.039	0.034	0.034	0.029	0.027	0.025	0.031	17.27
43) 15 1232-3	0.071	0.059	0.060	0.053	0.050	0.047	0.057	15.18
44) 15 1232-4	0.023	0.020	0.019	0.017	0.016	0.015	0.018	15.25
45) 15 1232-5	0.021	0.019	0.018	0.017	0.016	0.015	0.017	13.01
46) 18 1262-1	0.090	0.077	0.074	0.064	0.060		0.073	16.26
47) 18 1262-2	0.127	0.106	0.102	0.088	0.085		0.102	16.62
48) 18 1262-3	0.121	0.101	0.097	0.085	0.081		0.097	16.30
49) 18 1262-4	0.219	0.185	0.178	0.159	0.156		0.179	14.09
50) 18 1262-5	0.079	0.068	0.068	0.058	0.056		0.066	14.02



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Calibration Date : 02/11/20 07:21
Lab File ID : 21200211a-01	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1339459-1	Init. Calib. Times : 18:54 00:38
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	90	0
2,4,5,6-Tetrachloro-m-xylene	160	172.276	-	-7.7	15	98	0
Decachlorobiphenyl	320	254.457	-	20.5*	15	72	0
1016-1	2500	2505.431	-	-0.2	15	95	0
1016-2	2500	2560.296	-	-2.4	15	97	0
1016-3	2500	2483.077	-	0.7	15	91	0
1016-4	2500	2605.887	-	-4.2	15	96	0
1016-5	2500	2520.393	-	-0.8	15	93	0
1260-1	2500	2473.075	-	1.1	15	92	0
1260-2	2500	2263.466	-	9.5	15	82	0
1260-3	2500	2190.913	-	12.4	15	82	0
1260-4	2500	2169.628	-	13.2	15	78	0
1260-5	2500	2104.87	-	15.8*	15	76	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Calibration Date : 02/11/20 07:21
Lab File ID : 21200211a-01	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1339459-1	Init. Calib. Times : 18:54 00:38
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	95	0
2,4,5,6-Tetrachloro-m-xylene	160	168.274	-	-5.2	15	98	0
Decachlorobiphenyl #2	320	250.193	-	21.8*	15	75	-.01
1016-1 #2	2500	2549.24	-	-2	15	100	0
1016-2 #2	2500	2581.185	-	-3.2	15	101	0
1016-3 #2	2500	2958.145	-	-18.3*	15	114	0
1016-4 #2	2500	2623.728	-	-4.9	15	101	0
1016-5 #2	2500	2547.504	-	-1.9	15	99	0
1260-1 #2	2500	2255.364	-	9.8	15	88	0
1260-2 #2	2500	2190.08	-	12.4	15	85	0
1260-3 #2	2500	1993.044	-	20.3*	15	76	0
1260-4 #2	2500	2027.11	-	18.9*	15	75	0
1260-5 #2	2500	1915.935	-	23.4*	15	73	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/11/20 09:36
Lab File ID : P2200211a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1339494-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	101	-.02
2,4,5,6-Tetrachloro-m-xylene	16	15.699	-	1.9	20	100	-.01
Decachlorobiphenyl	32	27.137	-	15.2	20	90	-.01
1016-1	250	261.259	-	-4.5	20	109	-.01
1016-2	250	253.435	-	-1.4	20	103	-.01
1016-3	250	246.139	-	1.5	20	106	-.01
1016-4	250	259.804	-	-3.9	20	106	-.01
1016-5	250	269.827	-	-7.9	20	109	-.01
1260-1	250	238.256	-	4.7	20	100	-.02
1260-2	250	246.638	-	1.3	20	102	-.02
1260-3	250	231.616	-	7.4	20	97	-.02
1260-4	250	239.619	-	4.2	20	100	-.02
1260-5	250	208.502	-	16.6	20	93	-.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/11/20 09:36
Lab File ID : P2200211a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1339494-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	89	-.01
2,4,5,6-Tetrachloro-m-xylene	16	16.179	-	-1.1	20	95	-.01
Decachlorobiphenyl #2	32	30.669	-	4.2	20	94	-.02
1016-1 #2	250	252.689	-	-1.1	20	96	-.02
1016-2 #2	250	260.969	-	-4.4	20	98	-.02
1016-3 #2	250	244.673	-	2.1	20	92	-.02
1016-4 #2	250	259.615	-	-3.8	20	95	-.02
1016-5 #2	250	254.21	-	-1.7	20	96	-.02
1260-1 #2	250	248.058	-	0.8	20	100	-.02
1260-2 #2	250	256.409	-	-2.6	20	101	-.02
1260-3 #2	250	248.357	-	0.7	20	97	-.02
1260-4 #2	250	249.488	-	0.2	20	96	-.02
1260-5 #2	250	230.687	-	7.7	20	94	-.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/11/20 12:32
Lab File ID : 23200211a-09	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1339514-2	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	84	0
2,4,5,6-Tetrachloro-m-xylene	160	156.47	-	2.2	15	91	0
Decachlorobiphenyl	320	314.543	-	1.7	15	83	.02
1016-1	2500	2674.336	-	-7	15	99	0
1016-2	2500	2452.034	-	1.9	15	94	0
1016-3	2500	2466.265	-	1.3	15	93	0
1016-4	2500	2466.612	-	1.3	15	93	0
1016-5	2500	2515.598	-	-0.6	15	93	0
1260-1	2500	2421.813	-	3.1	15	94	0
1260-2	2500	2380.1	-	4.8	15	92	0
1260-3	2500	2430.842	-	2.8	15	92	0
1260-4	2500	2382.293	-	4.7	15	91	0
1260-5	2500	2369.809	-	5.2	15	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/11/20 12:32
Lab File ID : 23200211a-09	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1339514-2	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	87	0
2,4,5,6-Tetrachloro-m-xylene	160	159.204	-	0.5	15	95	.01
Decachlorobiphenyl #2	320	249.022	-	22.2*	15	78	.02
1016-1 #2	2500	2608.081	-	-4.3	15	98	0
1016-2 #2	2500	2569.382	-	-2.8	15	99	0
1016-3 #2	2500	2531.61	-	-1.3	15	97	0
1016-4 #2	2500	2575.109	-	-3	15	98	0
1016-5 #2	2500	2574.495	-	-3	15	97	0
1260-1 #2	2500	2461.518	-	1.5	15	96	.01
1260-2 #2	2500	2448.567	-	2.1	15	96	.01
1260-3 #2	2500	2470.167	-	1.2	15	96	.01
1260-4 #2	2500	2452.685	-	1.9	15	95	.01
1260-5 #2	2500	2400.46	-	4	15	93	.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/11/20 17:40
Lab File ID : 23200211a-30	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1339514-3	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	88	0
2,4,5,6-Tetrachloro-m-xylene	160	151.49	-	5.3	15	93	0
Decachlorobiphenyl	320	314.609	-	1.7	15	87	0
1016-1	2500	2636.389	-	-5.5	15	102	0
1016-2	2500	2388.407	-	4.5	15	96	0
1016-3	2500	2389.167	-	4.4	15	95	0
1016-4	2500	2487.504	-	0.5	15	99	0
1016-5	2500	2472.645	-	1.1	15	96	0
1260-1	2500	2388.604	-	4.5	15	97	0
1260-2	2500	2319.752	-	7.2	15	94	0
1260-3	2500	2314.699	-	7.4	15	92	0
1260-4	2500	2343.933	-	6.2	15	94	0
1260-5	2500	2312.984	-	7.5	15	92	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/11/20 17:40
Lab File ID : 23200211a-30	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1339514-3	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	87	0
2,4,5,6-Tetrachloro-m-xylene	160	157.433	-	1.6	15	94	0
Decachlorobiphenyl #2	320	258.002	-	19.4*	15	81	0
1016-1 #2	2500	2543.102	-	-1.7	15	96	0
1016-2 #2	2500	2537.655	-	-1.5	15	98	0
1016-3 #2	2500	2507.086	-	-0.3	15	97	0
1016-4 #2	2500	2523.301	-	-0.9	15	97	0
1016-5 #2	2500	2517.379	-	-0.7	15	95	0
1260-1 #2	2500	2335.641	-	6.6	15	92	0
1260-2 #2	2500	2422.625	-	3.1	15	96	0
1260-3 #2	2500	2442.028	-	2.3	15	95	0
1260-4 #2	2500	2433.691	-	2.7	15	95	0
1260-5 #2	2500	2403.06	-	3.9	15	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/11/20 20:20
Lab File ID : 23200211a-40	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1339514-4	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	87	0
2,4,5,6-Tetrachloro-m-xylene	160	156.191	-	2.4	15	94	0
Decachlorobiphenyl	320	330.067	-	-3.1	15	90	0
1016-1	2500	2695.079	-	-7.8	15	103	0
1016-2	2500	2469.821	-	1.2	15	97	0
1016-3	2500	2470.136	-	1.2	15	96	0
1016-4	2500	2491.802	-	0.3	15	97	0
1016-5	2500	2545.096	-	-1.8	15	97	0
1260-1	2500	2437.372	-	2.5	15	97	0
1260-2	2500	2392.921	-	4.3	15	95	0
1260-3	2500	2454.383	-	1.8	15	96	0
1260-4	2500	2405.318	-	3.8	15	95	0
1260-5	2500	2402.949	-	3.9	15	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/11/20 20:20
Lab File ID : 23200211a-40	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1339514-4	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	87	0
2,4,5,6-Tetrachloro-m-xylene	160	162.321	-	-1.5	15	97	0
Decachlorobiphenyl #2	320	266.67	-	16.7*	15	84	0
1016-1 #2	2500	2677.688	-	-7.1	15	100	0
1016-2 #2	2500	2644.151	-	-5.8	15	101	0
1016-3 #2	2500	2599.807	-	-4	15	100	0
1016-4 #2	2500	2620.796	-	-4.8	15	100	0
1016-5 #2	2500	2622.294	-	-4.9	15	98	0
1260-1 #2	2500	2524.608	-	-1	15	98	0
1260-2 #2	2500	2502.101	-	-0.1	15	98	0
1260-3 #2	2500	2521.014	-	-0.8	15	98	0
1260-4 #2	2500	2529.078	-	-1.2	15	98	0
1260-5 #2	2500	2517.998	-	-0.7	15	97	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/12/20 06:13
Lab File ID : 19200212b-01	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1339876-1	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	76	-.01
2,4,5,6-Tetrachloro-m-xylene	160	157.153	-	1.8	20	78	-.01
Decachlorobiphenyl	320	289.384	-	9.6	20	74	-.02
1016-1	2500	2363.617	-	5.5	20	76	-.01
1016-2	2500	2344.94	-	6.2	20	75	-.01
1016-3	2500	2358.791	-	5.6	20	76	-.01
1016-4	2500	2326.806	-	6.9	20	75	-.01
1016-5	2500	2386.483	-	4.5	20	75	-.02
1260-1	2500	2285.688	-	8.6	20	74	-.02
1260-2	2500	2305.374	-	7.8	20	75	-.02
1260-3	2500	2338.594	-	6.5	20	76	-.02
1260-4	2500	2373.107	-	5.1	20	76	-.02
1260-5	2500	2444.619	-	2.2	20	75	-.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/12/20 06:13
Lab File ID : 19200212b-01	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1339876-1	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	116	-.01
2,4,5,6-Tetrachloro-m-xylene	160	147.965	-	7.5	20	113	-.02
Decachlorobiphenyl #2	320	283.706	-	11.3	20	109	-.02
1016-1 #2	2500	2346.656	-	6.1	20	115	-.01
1016-2 #2	2500	2346.083	-	6.2	20	116	-.02
1016-3 #2	2500	2354.931	-	5.8	20	114	-.02
1016-4 #2	2500	2324.679	-	7	20	114	-.02
1016-5 #2	2500	2314.111	-	7.4	20	111	-.02
1260-1 #2	2500	2161.981	-	13.5	20	105	-.02
1260-2 #2	2500	2252.481	-	9.9	20	109	-.02
1260-3 #2	2500	2275.644	-	9	20	110	-.02
1260-4 #2	2500	2259.284	-	9.6	20	111	-.02
1260-5 #2	2500	2277.14	-	8.9	20	110	-.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Calibration Date : 02/12/20 19:30
Lab File ID : 16200212a-10	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1340106-2	Init. Calib. Times : 19:58 22:51
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	62	0
2,4,5,6-Tetrachloro-m-xylene	160	143.54	-	10.3	20	57	0
Decachlorobiphenyl	320	260.102	-	18.7	20	54	0
1016-1	2500	2078.753	-	16.8	20	57	0
1016-2	2500	2275.275	-	9	20	61	0
1016-3	2500	2288.361	-	8.5	20	59	0
1016-4	2500	2208.592	-	11.7	20	59	0
1016-5	2500	2113.533	-	15.5	20	57	0
1260-1	2500	2214.152	-	11.4	20	60	0
1260-2	2500	2305.07	-	7.8	20	62	0
1260-3	2500	1973.762	-	21*	20	53	0
1260-4	2500	1949.328	-	22*	20	51	0
1260-5	2500	1882.728	-	24.7*	20	50	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Calibration Date : 02/12/20 19:30
Lab File ID : 16200212a-10	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1340106-2	Init. Calib. Times : 19:58 22:51
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	81	0
2,4,5,6-Tetrachloro-m-xylene	160	143.523	-	10.3	20	74	0
Decachlorobiphenyl #2	320	242.971	-	24.1*	20	66	0
1016-1 #2	2500	2438.529	-	2.5	20	75	0
1016-2 #2	2500	2594.237	-	-3.8	20	80	0
1016-3 #2	2500	2578.715	-	-3.1	20	80	0
1016-4 #2	2500	2530.48	-	-1.2	20	80	0
1016-5 #2	2500	2345.116	-	6.2	20	76	0
1260-1 #2	2500	2367.411	-	5.3	20	82	0
1260-2 #2	2500	2296.328	-	8.1	20	79	0
1260-3 #2	2500	1881.426	-	24.7*	20	65	0
1260-4 #2	2500	1826.445	-	26.9*	20	62	0
1260-5 #2	2500	1817.765	-	27.3*	20	63	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 02/13/20 08:11
Lab File ID : 13200213a-01	Init. Calib. Date(s) : 11/14/19 11/14/19
Sample No : WG1340307-1	Init. Calib. Times : 02:11 13:09
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	107	0
2,4,5,6-Tetrachloro-m-xylene	160	161.914	-	-1.2	20	102	.01
Decachlorobiphenyl	320	282.868	-	11.6	20	92	.03
1016-1	2500	2250.363	-	10	20	96	.02
1016-2	2500	2454.523	-	1.8	20	106	.02
1016-3	2500	2544.185	-	-1.8	20	105	.02
1016-4	2500	2433.091	-	2.7	20	103	.02
1016-5	2500	2319.347	-	7.2	20	98	.02
1260-1	2500	2349.227	-	6	20	99	.02
1260-2	2500	2524.308	-	-1	20	105	.02
1260-3	2500	2082.406	-	16.7	20	88	.02
1260-4	2500	1950.531	-	22*	20	78	.02
1260-5	2500	2238.027	-	10.5	20	93	.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 02/13/20 08:11
Lab File ID : 13200213a-01	Init. Calib. Date(s) : 11/14/19 11/14/19
Sample No : WG1340307-1	Init. Calib. Times : 02:11 13:09
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	144	0
2,4,5,6-Tetrachloro-m-xylene	160	178.106	-	-11.3	20	153	0
Decachlorobiphenyl #2	320	416.219	-	-30.1*	20	185	.03
1016-1 #2	2500	2555.969	-	-2.2	20	148	0
1016-2 #2	2500	2810.371	-	-12.4	20	163	0
1016-3 #2	2500	2970.426	-	-18.8	20	167	0
1016-4 #2	2500	3062.205	-	-22.5*	20	169	0
1016-5 #2	2500	2842.335	-	-13.7	20	161	0
1260-1 #2	2500	3118.455	-	-24.7*	20	178	.01
1260-2 #2	2500	2739.587	-	-9.6	20	155	.01
1260-3 #2	2500	2984.545	-	-19.4	20	168	.01
1260-4 #2	2500	2917.692	-	-16.7	20	161	.01
1260-5 #2	2500	3028.025	-	-21.1*	20	170	.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/14/20 09:00
Lab File ID : 19200214a-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1340785-1	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	64	0
2,4,5,6-Tetrachloro-m-xylene	160	162.093	-	-1.3	20	69	0
Decachlorobiphenyl	320	261.039	-	18.4	20	56	0
1016-1	2500	2523.793	-	-1	20	69	0
1016-2	2500	2505.512	-	-0.2	20	68	0
1016-3	2500	2513.476	-	-0.5	20	69	0
1016-4	2500	2510.249	-	-0.4	20	69	0
1016-5	2500	2533.188	-	-1.3	20	68	0
1260-1	2500	2368.627	-	5.3	20	65	0
1260-2	2500	2369.869	-	5.2	20	65	0
1260-3	2500	2301.535	-	7.9	20	64	0
1260-4	2500	2307.674	-	7.7	20	63	0
1260-5	2500	2290.539	-	8.4	20	60	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/14/20 09:00
Lab File ID : 19200214a-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1340785-1	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	96	-.01
2,4,5,6-Tetrachloro-m-xylene	160	163.713	-	-2.3	20	103	0
Decachlorobiphenyl #2	320	254.165	-	20.6*	20	80	0
1016-1 #2	2500	2585.468	-	-3.4	20	104	0
1016-2 #2	2500	2587.264	-	-3.5	20	105	0
1016-3 #2	2500	2609.424	-	-4.4	20	104	0
1016-4 #2	2500	2621.677	-	-4.9	20	106	0
1016-5 #2	2500	2469.73	-	1.2	20	98	0
1260-1 #2	2500	2329.159	-	6.8	20	93	0
1260-2 #2	2500	2469.169	-	1.2	20	99	0
1260-3 #2	2500	2242.561	-	10.3	20	89	0
1260-4 #2	2500	2232.561	-	10.7	20	90	0
1260-5 #2	2500	2171.404	-	13.1	20	86	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Calibration Date : 02/17/20 13:56
Lab File ID : P7200217a-02	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1341557-1	Init. Calib. Times : 02:30 13:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	105	0
2,4,5,6-Tetrachloro-m-xylene	160	156.929	-	1.9	20	105	0
Decachlorobiphenyl	320	311.801	-	2.6	20	108	0
1016-1	2500	2215.787	-	11.4	20	100	0
1016-2	2500	2308.195	-	7.7	20	104	0
1016-3	2500	2254.792	-	9.8	20	97	0
1016-4	2500	2202.97	-	11.9	20	98	0
1016-5	2500	2254.851	-	9.8	20	100	0
1260-1	2500	2395.231	-	4.2	20	106	0
1260-2	2500	2289.321	-	8.4	20	101	0
1260-3	2500	2273.73	-	9.1	20	98	0
1260-4	2500	2225.988	-	11	20	96	0
1260-5	2500	2282.581	-	8.7	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Calibration Date : 02/17/20 13:56
Lab File ID : P7200217a-02	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1341557-1	Init. Calib. Times : 02:30 13:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	101	-.01
2,4,5,6-Tetrachloro-m-xylene	160	156.703	-	2.1	20	100	-.01
Decachlorobiphenyl #2	320	345.343	-	-7.9	20	114	-.03
1016-1 #2	2500	2206.533	-	11.7	20	95	-.02
1016-2 #2	2500	2206.365	-	11.7	20	95	-.02
1016-3 #2	2500	2352.722	-	5.9	20	100	-.02
1016-4 #2	2500	2385.853	-	4.6	20	102	-.02
1016-5 #2	2500	2507.591	-	-0.3	20	108	-.03
1260-1 #2	2500	2480.518	-	0.8	20	107	-.03
1260-2 #2	2500	2554.656	-	-2.2	20	110	-.03
1260-3 #2	2500	2477.701	-	0.9	20	106	-.03
1260-4 #2	2500	2519.845	-	-0.8	20	104	-.03
1260-5 #2	2500	2379.909	-	4.8	20	101	-.03

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/17/20 14:37
Lab File ID : 19200217b-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1341568-1	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	68	0
2,4,5,6-Tetrachloro-m-xylene	160	147.309	-	7.9	20	66	0
Decachlorobiphenyl	320	294.024	-	8.1	20	67	0
1016-1	2500	2209.458	-	11.6	20	63	0
1016-2	2500	2240.162	-	10.4	20	65	0
1016-3	2500	2335.494	-	6.6	20	68	0
1016-4	2500	2316.416	-	7.3	20	67	0
1016-5	2500	2243.421	-	10.3	20	63	0
1260-1	2500	2357.766	-	5.7	20	69	0
1260-2	2500	2343.598	-	6.3	20	68	0
1260-3	2500	2414.427	-	3.4	20	71	0
1260-4	2500	2482.623	-	0.7	20	71	0
1260-5	2500	2518.644	-	-0.7	20	69	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/17/20 14:37
Lab File ID : 19200217b-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1341568-1	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	109	0
2,4,5,6-Tetrachloro-m-xylene	160	140.557	-	12.2	20	101	0
Decachlorobiphenyl #2	320	270.038	-	15.6	20	97	0
1016-1 #2	2500	2264.693	-	9.4	20	104	0
1016-2 #2	2500	2287.314	-	8.5	20	106	0
1016-3 #2	2500	2319.525	-	7.2	20	105	0
1016-4 #2	2500	2378.217	-	4.9	20	109	0
1016-5 #2	2500	2319.424	-	7.2	20	105	0
1260-1 #2	2500	2098.554	-	16.1	20	95	0
1260-2 #2	2500	2217.142	-	11.3	20	101	0
1260-3 #2	2500	2289.923	-	8.4	20	104	0
1260-4 #2	2500	2270.156	-	9.2	20	104	0
1260-5 #2	2500	2293.944	-	8.2	20	104	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/17/20 19:55
Lab File ID : 19200217b-22	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1341568-2	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	73	0
2,4,5,6-Tetrachloro-m-xylene	160	153.689	-	3.9	20	74	0
Decachlorobiphenyl	320	297.042	-	7.2	20	73	0
1016-1	2500	2292.946	-	8.3	20	71	0
1016-2	2500	2298.478	-	8.1	20	72	0
1016-3	2500	2377.527	-	4.9	20	75	0
1016-4	2500	2385.546	-	4.6	20	75	0
1016-5	2500	2324.308	-	7	20	71	0
1260-1	2500	2324.535	-	7	20	73	0
1260-2	2500	2395.694	-	4.2	20	75	0
1260-3	2500	2433.946	-	2.6	20	77	0
1260-4	2500	2481.991	-	0.7	20	77	0
1260-5	2500	2526.573	-	-1.1	20	75	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/17/20 19:55
Lab File ID : 19200217b-22	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1341568-2	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	118	0
2,4,5,6-Tetrachloro-m-xylene	160	143.307	-	10.4	20	111	0
Decachlorobiphenyl #2	320	273.55	-	14.5	20	106	0
1016-1 #2	2500	2265.648	-	9.4	20	112	0
1016-2 #2	2500	2234.519	-	10.6	20	112	0
1016-3 #2	2500	2302.675	-	7.9	20	113	0
1016-4 #2	2500	2226.572	-	10.9	20	110	0
1016-5 #2	2500	2226.752	-	10.9	20	108	0
1260-1 #2	2500	2126.431	-	14.9	20	104	0
1260-2 #2	2500	2230.553	-	10.8	20	110	0
1260-3 #2	2500	2218.477	-	11.3	20	109	0
1260-4 #2	2500	2241.523	-	10.3	20	111	0
1260-5 #2	2500	2240.452	-	10.4	20	110	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005778
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279800-1	01/29/20 18:49
1242/1268 L2	R1279800-2	01/29/20 18:56
1242/1268 L3	R1279800-4	01/29/20 19:02
1242/1268 L4	R1279800-3	01/29/20 19:09
1242/1268 L5	R1279800-6	01/29/20 19:16
1242/1268 L6	R1279800-5	01/29/20 19:23
1232/1262 L1	R1279800-7	01/29/20 19:30
1232/1262 L2	R1279800-8	01/29/20 19:37
1232/1262 L3	R1279800-9	01/29/20 19:43
1232/1262 L4	R1279800-10	01/29/20 19:50
1232/1262 L5	R1279800-12	01/29/20 19:57
1232 L6	R1279800-11	01/29/20 20:04
1248 L1	R1279800-14	01/29/20 20:10
1248 L2	R1279800-13	01/29/20 20:17
1248 L3	R1279800-16	01/29/20 20:24
1248 L4	R1279800-15	01/29/20 20:31
1248 L5	R1279800-18	01/29/20 20:37
1248 L6	R1279800-17	01/29/20 20:44
1221/1254 L1	R1279800-19	01/29/20 20:51
1221/1254 L2	R1279800-20	01/29/20 20:58
1221/1254 L4	R1279800-22	01/29/20 21:11
1221/1254 L5	R1279800-23	01/29/20 21:18
1254 L6	R1279800-21	01/29/20 21:25
1016/1260 L1	R1279800-24	01/29/20 21:32
1016/1260 L2	R1279800-25	01/29/20 21:38
1016/1260 L3	R1279800-27	01/29/20 21:45
1016/1260 L4	R1279800-26	01/29/20 21:52
1016/1260 L5	R1279800-28	01/29/20 21:58
1016/1260 L6	R1279800-29	01/29/20 22:05
R1279800-30 ICV	R1279800-30	01/29/20 22:12
R1279800-31 ICV	R1279800-31	01/29/20 22:19
R1279800-33 ICV	R1279800-33	01/29/20 22:25
R1279800-32 ICV	R1279800-32	01/29/20 22:39
1221/1254 L3	R1279800-35	01/30/20 22:53
R1279800-34 ICV	R1279800-34	01/30/20 23:00
WG1339514-2 CCAL	WG1339514-2	02/11/20 12:32
X01-020620	L2005778-14	02/11/20 15:24
X01-020620 MS	WG1339142-4	02/11/20 15:31
X01-020620 MSD	WG1339142-5	02/11/20 15:38
E-187-0.5-1.0	L2005778-01	02/11/20 15:44
E-187-1.5-2.0	L2005778-02	02/11/20 15:51
E-186-0.5-1.0	L2005778-03	02/11/20 15:58



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2005778
 Project Name : AMTRAK EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST23 Initial Calib. Date(s) : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
E-186-1.5-2.0	L2005778-04	02/11/20 16:05
E-178-0.5-1.0	L2005778-05	02/11/20 16:11
E-178-2.0-2.5	L2005778-06	02/11/20 16:18
E-160-2.0-2.5	L2005778-11	02/11/20 16:39
E-171-0.5-1.0	L2005778-12	02/11/20 16:45
E-171-2.0-2.5	L2005778-13	02/11/20 16:52
E-123-0.5-1.0	L2005778-19	02/11/20 17:12
WG1339142-1 BLANK	WG1339142-1	02/11/20 17:19
WG1339142-2 LCS	WG1339142-2	02/11/20 17:26
WG1339142-3 LCSD	WG1339142-3	02/11/20 17:33
WG1339514-3 CCAL	WG1339514-3	02/11/20 17:40
E-123-2.0-2.5	L2005778-20	02/11/20 17:46
E-119-2.0-2.5	L2005778-23	02/11/20 18:07
E-119-3.0-3.5	L2005778-24	02/11/20 18:14
WG1339514-4 CCAL	WG1339514-4	02/11/20 20:20
E-121-2.0-2.5	L2005778-17 D	02/11/20 21:00
E-123-3.0-3.5	L2005778-21 D	02/11/20 21:06



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005778
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST7 **Initial Calib. Date(s)** : 07/28/19 07/28/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1214573-1	07/28/19 02:30
1242/1268 L2	R1214573-2	07/28/19 02:43
1242/1268 L3	R1214573-6	07/28/19 02:56
1242/1268 L4	R1214573-3	07/28/19 03:09
1242/1268 L5	R1214573-4	07/28/19 03:22
1242/1268 L6	R1214573-5	07/28/19 03:35
1232/1262 L1	R1214573-7	07/28/19 03:48
1232/1262 L2	R1214573-8	07/28/19 04:01
1232/1262 L3	R1214573-12	07/28/19 04:14
1232/1262 L4	R1214573-13	07/28/19 09:12
1232/1262 L5	R1214573-14	07/28/19 09:24
1232/1262 L6	R1214573-15	07/28/19 09:37
1248 L1	R1214573-9	07/28/19 09:50
1248 L2	R1214573-10	07/28/19 10:03
1248 L3	R1214573-11	07/28/19 10:16
1248 L4	R1214573-16	07/28/19 10:29
1248 L5	R1214573-17	07/28/19 10:42
1248 L6	R1214573-18	07/28/19 10:55
1221/1254 L1	R1214573-20	07/28/19 11:08
1221/1254 L2	R1214573-19	07/28/19 11:21
1221/1254 L3	R1214573-21	07/28/19 11:34
1221/1254 L4	R1214573-22	07/28/19 11:47
1221/1254 L5	R1214573-24	07/28/19 12:00
1221/1254 L6	R1214573-23	07/28/19 12:13
1016/1260 L1	R1214573-25	07/28/19 12:26
1016/1260 L2	R1214573-26	07/28/19 12:39
1016/1260 L3	R1214573-27	07/28/19 12:52
1016/1260 L4	R1214573-28	07/28/19 13:05
1016/1260 L5	R1214573-29	07/28/19 13:18
1016/1260 L6	R1214573-30	07/28/19 13:31
R1214573-31 ICV	R1214573-31	07/28/19 13:44
R1214573-32 ICV	R1214573-32	07/28/19 13:57
R1214573-33 ICV	R1214573-33	07/28/19 14:10
R1214573-34 ICV	R1214573-34	07/28/19 14:23
R1214573-35 ICV	R1214573-35	07/28/19 14:36
WG1341557-1 CCAL	WG1341557-1	02/17/20 13:56
WG1341282-1 BLANK	WG1341282-1	02/17/20 15:20



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005778
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST21 **Initial Calib. Date(s)** : 11/25/19 11/26/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1261677-1	11/25/19 18:54
1242/1268 L2	R1261677-2	11/25/19 19:06
1242/1268 L3	R1261677-3	11/25/19 19:17
1242/1268 L4	R1261677-4	11/25/19 19:29
1242/1268 L5	R1261677-6	11/25/19 19:41
1242/1268 L6	R1261677-5	11/25/19 19:53
1232/1262 L1	R1261677-8	11/25/19 20:05
1232/1262 L2	R1261677-7	11/25/19 20:17
1232/1262 L3	R1261677-14	11/25/19 20:29
1232/1262 L4	R1261677-9	11/25/19 20:40
1232/1262 L5	R1261677-10	11/25/19 20:52
1232/1262 L6	R1261677-12	11/25/19 21:04
1248 L1	R1261677-11	11/25/19 21:16
1248 L2	R1261677-17	11/25/19 21:28
1248 L3	R1261677-19	11/25/19 21:40
1248 L4	R1261677-21	11/25/19 21:52
1248 L5	R1261677-20	11/25/19 22:03
1248 L6	R1261677-13	11/25/19 22:15
1221/1254 L1	R1261677-15	11/25/19 22:27
1221/1254 L2	R1261677-16	11/25/19 22:39
1221/1254 L3	R1261677-18	11/25/19 22:51
1221/1254 L4	R1261677-23	11/25/19 23:03
1221/1254 L5	R1261677-22	11/25/19 23:15
1221/1254 L6	R1261677-25	11/25/19 23:26
1016/1260 L1	R1261677-26	11/25/19 23:38
1016/1260 L2	R1261677-24	11/25/19 23:50
1016/1260 L3	R1261677-29	11/26/19 00:02
1016/1260 L4	R1261677-27	11/26/19 00:14
1016/1260 L5	R1261677-28	11/26/19 00:26
1016/1260 L6	R1261677-30	11/26/19 00:38
R1261677-31 ICV	R1261677-31	11/26/19 00:49
R1261677-32 ICV	R1261677-32	11/26/19 01:01
R1261677-34 ICV	R1261677-34	11/26/19 01:13
R1261677-33 ICV	R1261677-33	11/26/19 01:25
R1261677-35 ICV	R1261677-35	11/26/19 01:37
WG1339459-1 CCAL	WG1339459-1	02/11/20 07:21
WG1339310-1 BLANK	WG1339310-1	02/11/20 14:37
WG1339310-2 LCS	WG1339310-2	02/11/20 14:49
WG1339310-3 LCSD	WG1339310-3	02/11/20 15:01



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2005778
 Project Name : AMTRAK EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1339494-1 CCAL	WG1339494-1	02/11/20 09:36
WG1339313-1 BLANK	WG1339313-1	02/11/20 11:42
WG1339313-2 LCS	WG1339313-2	02/11/20 11:56
WG1339313-3 LCSD	WG1339313-3	02/11/20 12:09
EB-1-020620	L2005778-15	02/11/20 13:17
EB-2-020720	L2005778-33	02/11/20 13:31



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005778
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1258780-12	11/20/19 11:11
1242/1268 L2	R1258780-13	11/20/19 11:18
1242/1268 L3	R1258780-14	11/20/19 11:25
1242/1268 L4	R1258780-15	11/20/19 11:32
1242/1268 L5	R1258780-16	11/20/19 11:39
1242/1268 L6	R1258780-17	11/20/19 11:46
1232/1262 L1	R1258780-18	11/20/19 11:53
1232/1262 L2	R1258780-21	11/20/19 12:00
1232/1262 L3	R1258780-19	11/20/19 12:07
1232/1262 L4	R1258780-20	11/20/19 12:13
1232/1262 L5	R1258780-22	11/20/19 12:20
1232/1262 L6	R1258780-23	11/20/19 12:27
1221/1254 L1	R1258780-24	11/20/19 12:34
1221/1254 L2	R1258780-25	11/20/19 12:41
1221/1254 L3	R1258780-28	11/20/19 12:48
1221/1254 L4	R1258780-27	11/20/19 12:55
1221/1254 L5	R1258780-26	11/20/19 13:02
1221/1254 L6	R1258780-30	11/20/19 13:08
1016/1260 L1	R1258780-29	11/20/19 13:15
1016/1260 L2	R1258780-31	11/20/19 13:22
1016/1260 L3	R1258780-33	11/20/19 13:29
1016/1260 L4	R1258780-32	11/20/19 13:36
1016/1260 L5	R1258780-34	11/20/19 13:43
1016/1260 L6	R1258780-35	11/20/19 13:50
1248 L1	R1258780-1	11/20/19 13:57
1248 L2	R1258780-2	11/20/19 14:04
1248 L3	R1258780-3	11/20/19 14:11
1248 L4	R1258780-4	11/20/19 14:17
1248 L5	R1258780-5	11/20/19 14:24
1248 L6	R1258780-8	11/20/19 14:31
R1258780-7 ICV	R1258780-7	11/20/19 14:38
R1258780-6 ICV	R1258780-6	11/20/19 14:45
R1258780-10 ICV	R1258780-10	11/20/19 14:52
R1258780-9 ICV	R1258780-9	11/20/19 14:59
R1258780-11 ICV	R1258780-11	11/22/19 16:02
WG1339876-1 CCAL	WG1339876-1	02/12/20 06:13
E-121-0.5-1.0	L2005778-16 D	02/12/20 15:17
WG1340785-1 CCAL	WG1340785-1	02/14/20 09:00
WG1340606-1 BLANK	WG1340606-1	02/14/20 11:23
WG1340606-2 LCS	WG1340606-2	02/14/20 11:30
WG1340606-3 LCSD	WG1340606-3	02/14/20 11:37
E-161-0.5-1.0	L2005778-08	02/14/20 11:44



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005778
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
E-160-0.5-1.0	L2005778-10	02/14/20 11:51
E-119-0.5-1.0	L2005778-22	02/14/20 11:58
WG1341568-1 CCAL	WG1341568-1	02/17/20 14:37
WG1341282-2 LCS	WG1341282-2	02/17/20 19:42
WG1341282-3 LCSD	WG1341282-3	02/17/20 19:49
WG1341568-2 CCAL	WG1341568-2	02/17/20 19:55
E-121-3.0-3.5	L2005778-18	02/17/20 21:38



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005778
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST16 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279789-1	01/29/20 19:58
1242/1268 L2	R1279789-3	01/29/20 20:10
1242/1268 L3	R1279789-2	01/29/20 20:22
1242/1268 L4	R1279789-4	01/29/20 20:34
1242/1268 L5	R1279789-5	01/29/20 20:45
1242/1268 L6	R1279789-7	01/29/20 20:57
1232/1262 L1	R1279789-6	01/29/20 21:09
1232/1262 L2	R1279789-9	01/29/20 21:21
1232/1262 L3	R1279789-8	01/29/20 21:32
1232/1262 L4	R1279789-10	01/29/20 21:44
1232/1262 L5	R1279789-11	01/29/20 21:56
1232/1262 L6	R1279789-12	01/29/20 22:08
1248 L1	R1279789-13	01/29/20 22:19
1248 L2	R1279789-14	01/29/20 22:31
1248 L3	R1279789-15	01/29/20 22:43
1248 L4	R1279789-16	01/29/20 22:55
1248 L5	R1279789-17	01/29/20 23:06
1248 L6	R1279789-18	01/29/20 23:18
1221/1254 L1	R1279789-19	01/29/20 23:30
1221/1254 L2	R1279789-21	01/29/20 23:42
1221/1254 L4	R1279789-20	01/30/20 00:05
1221/1254 L5	R1279789-23	01/30/20 00:17
1254 L6	R1279789-22	01/30/20 00:29
1016/1260 L1	R1279789-26	01/30/20 00:40
1016/1260 L2	R1279789-24	01/30/20 00:52
1016/1260 L3	R1279789-25	01/30/20 01:04
1016/1260 L4	R1279789-27	01/30/20 01:16
1016/1260 L5	R1279789-28	01/30/20 01:27
1016/1260 L6	R1279789-29	01/30/20 01:39
R1279789-30 ICV	R1279789-30	01/30/20 01:51
R1279789-31 ICV	R1279789-31	01/30/20 02:03
R1279789-32 ICV	R1279789-32	01/30/20 02:15
R1279789-34 ICV	R1279789-34	01/30/20 02:38
1221/1254 L3	R1279789-33	01/30/20 22:51
R1279789-35 ICV	R1279789-35	01/30/20 23:02
WG1340106-2 CCAL	WG1340106-2	02/12/20 19:30
E-124-2.0-2.5	L2005778-27	02/13/20 02:14
E-126-0.5-1.0	L2005778-28	02/13/20 02:25
E-126-2.0-2.5	L2005778-29	02/13/20 02:37
X-2-0207202	L2005778-32	02/13/20 02:49



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005778
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST13 **Initial Calib. Date(s)** : 11/14/19 11/14/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1254379-1	11/14/19 02:11
1242/1268 L2	R1254379-2	11/14/19 02:23
1242/1268 L3	R1254379-3	11/14/19 02:35
1242/1268 L4	R1254379-4	11/14/19 02:48
1242/1268 L5	R1254379-5	11/14/19 03:00
1242/1268 L6	R1254379-7	11/14/19 03:12
1332/1262 L1	R1254379-6	11/14/19 03:24
1332/1262 L2	R1254379-9	11/14/19 03:36
1332/1262 L3	R1254379-8	11/14/19 03:49
1332/1262 L4	R1254379-10	11/14/19 04:01
1332/1262 L5	R1254379-11	11/14/19 04:13
1332/1262 L6	R1254379-13	11/14/19 04:25
1248 L1	R1254379-12	11/14/19 04:37
1248 L2	R1254379-14	11/14/19 04:49
1248 L3	R1254379-15	11/14/19 05:01
1248 L4	R1254379-16	11/14/19 05:13
1248 L5	R1254379-17	11/14/19 05:26
1248 L6	R1254379-18	11/14/19 05:38
1221/1254 L1	R1254379-19	11/14/19 05:50
1221/1254 L2	R1254379-20	11/14/19 06:02
1221/1254 L3	R1254379-21	11/14/19 06:14
1221/1254 L4	R1254379-23	11/14/19 06:26
1221/1254 L5	R1254379-24	11/14/19 06:38
1221/1254 L6	R1254379-22	11/14/19 06:51
R1254379-25 ICV	R1254379-25	11/14/19 08:16
R1254379-27 ICV	R1254379-27	11/14/19 08:40
1016/1260 L1	R1254379-26	11/14/19 12:08
1016/1260 L2	R1254379-28	11/14/19 12:20
1016/1260 L3	R1254379-29	11/14/19 12:33
1016/1260 L4	R1254379-30	11/14/19 12:45
1016/1260 L5	R1254379-31	11/14/19 12:57
1016/1260 L6	R1254379-32	11/14/19 13:09
R1254379-34 ICV	R1254379-34	11/14/19 13:21
R1254379-33 ICV	R1254379-33	11/14/19 15:32
R1254379-35 ICV	R1254379-35	11/14/19 15:45
WG1340307-1 CCAL	WG1340307-1	02/13/20 08:11
E-124-0.5-1.0	L2005778-26 D	02/13/20 15:06



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK EAST BARRACKS

Lab Number: L2005778
 Project Number: 277710568.0008.06
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	DCB 1 %REC	DCB 2 %REC	TCX 1 %REC	TCX 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-1-020620 (L2005778-15)	71	79	75	74			0
EB-2-020720 (L2005778-33)	70	84	83	82			0
WG1339313-1BLANK	62	74	70	70			0
WG1339313-2LCS	76	88	86	84			0
WG1339313-3LCSD	72	84	83	79			0

QC LIMITS

(30-150) DCBP = DECACHLOROBIPHENYL
 (30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK EAST BARRACKS

Lab Number: L2005778
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	DCB 1 %REC	DCB 2 %REC	TCX 1 %REC	TCX 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-187-0.5-1.0 (L2005778-01)	43	34	39	41			0
E-187-1.5-2.0 (L2005778-02)	62	49	53	58			0
E-186-0.5-1.0 (L2005778-03)	58	46	51	55			0
E-186-1.5-2.0 (L2005778-04)	41	34	44	48			0
E-178-0.5-1.0 (L2005778-05)	40	33	34	36			0
E-178-2.0-2.5 (L2005778-06)	57	47	50	55			0
E-161-0.5-1.0 (L2005778-08)	51	48	59	57			0
E-160-0.5-1.0 (L2005778-10)	55	51	63	63			0
E-160-2.0-2.5 (L2005778-11)	56	46	49	54			0
E-171-0.5-1.0 (L2005778-12)	36	30	33	36			0
E-171-2.0-2.5 (L2005778-13)	37	30	30	32			0
X01-020620 (L2005778-14)	39	37	36	37			0
E-121-0.5-1.0 (L2005778-16D)	0*	0*	0*	0*			4
E-121-2.0-2.5 (L2005778-17D)	0*	0*	0*	0*			4
E-121-3.0-3.5 (L2005778-18)	64	62	68	71			0
E-123-0.5-1.0 (L2005778-19)	37	29*	31	34			1
E-123-2.0-2.5 (L2005778-20)	39	32	30	31			0
E-123-3.0-3.5 (L2005778-21D)	0*	0*	0*	0*			4
E-119-0.5-1.0 (L2005778-22)	43	46	48	49			0
E-119-2.0-2.5 (L2005778-23)	59	49	48	53			0
E-119-3.0-3.5 (L2005778-24)	61	49	49	54			0
E-124-0.5-1.0 (L2005778-26D)	47	64	52	60			0
E-124-2.0-2.5 (L2005778-27)	52	54	55	54			0
E-126-0.5-1.0 (L2005778-28)	50	52	48	47			0
E-126-2.0-2.5 (L2005778-29)	31	34	32	32			0
X-2-0207202 (L2005778-32)	56	59	55	55			0
WG1339142-1BLANK	60	49	53	59			0
WG1339142-2LCS	56	44	49	54			0

QC LIMITS

(30-150) DCBP = DECACHLOROBIPHENYL

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK EAST BARRACKS

Lab Number: L2005778
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	DCB 1 %REC	DCB 2 %REC	TCX 1 %REC	TCX 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
WG1339142-3LCSD	69	56	59	64			0
X01-020620MS	43	33	37	38			0
X01-020620MSD	55	44	50	52			0
WG1339310-1BLANK	52	57	72	72			0
WG1339310-2LCS	44	49	69	67			0
WG1339310-3LCSD	48	52	76	74			0
WG1340606-1BLANK	40	41	49	49			0
WG1340606-2LCS	53	52	66	65			0
WG1340606-3LCSD	56	52	66	66			0
WG1341282-1BLANK	79	87	70	73			0
WG1341282-2LCS	71	68	69	67			0
WG1341282-3LCSD	69	66	63	61			0

QC LIMITS

(30-150) DCBP = DECACHLOROBIPHENYL
 (30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2005778
 Project Name : AMTRAK EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1339142-2 Analysis Date : 02/11/20 17:26 File ID : 23200211a-28
 LCSD Sample ID : WG1339142-3 Analysis Date : 02/11/20 17:33 File ID : 23200211a-29

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.198	0.127	64	0.208	0.163	78	20	40-140	30
Aroclor 1260	0.198	0.114	58	0.208	0.148	71	20	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2005778
 Project Name : AMTRAK EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1339310-2 Analysis Date : 02/11/20 14:49 File ID : 21200211a-05
 LCSD Sample ID : WG1339310-3 Analysis Date : 02/11/20 15:01 File ID : 21200211a-06

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.197	0.150	76	0.197	0.161	82	8	40-140	30
Aroclor 1260	0.197	0.111	56	0.197	0.116	59	5	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2005778
 Project Name : AMTRAK EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : WATER
 LCS Sample ID : WG1339313-2 Analysis Date : 02/11/20 11:56 File ID : P2200211a-09
 LCSD Sample ID : WG1339313-3 Analysis Date : 02/11/20 12:09 File ID : P2200211a-10

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	1.27	71	1.78	1.53	86	19	40-140	20
Aroclor 1260	1.78	1.12	63	1.78	1.23	69	9	40-140	20



**Laboratory Control Sample Summary
Form 3
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2005778
 Project Name : AMTRAK EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1340606-2 Analysis Date : 02/14/20 11:30 File ID : 19200214a-09
 LCSD Sample ID : WG1340606-3 Analysis Date : 02/14/20 11:37 File ID : 19200214a-10

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.2	0.165	83	0.199	0.164	82	1	40-140	30
Aroclor 1260	0.2	0.146	73	0.199	0.150	75	3	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2005778
 Project Name : AMTRAK EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1341282-2 Analysis Date : 02/17/20 19:42 File ID : 19200217b-20
 LCSD Sample ID : WG1341282-3 Analysis Date : 02/17/20 19:49 File ID : 19200217b-21

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.203	0.145	72	0.2	0.136	68	6	40-140	30
Aroclor 1260	0.203	0.142	70	0.2	0.142	71	1	40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Client Sample ID : X01-020620	Matrix : SOIL
Lab Sample ID : L2005778-14	Analysis Date : 02/11/20 15:24
Matrix Spike : WG1339142-4	MS Analysis Date : 02/11/20 15:31
Matrix Spike Dup : WG1339142-5	MSD Analysis Date : 02/11/20 15:38

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1016	ND	0.243	0.122	50	0.237	0.157	66	25	40-140	30
Aroclor 1260	0.115	0.243	0.220	43	0.237	0.273	67	22	40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-01	
Client ID : E-187-0.5-1.0	
Date Analyzed (1) : 02/11/20 15:44	Date Analyzed (2) : 02/11/20 15:44
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.27	2.22	2.32	0.334			
	2	2.39	2.34	2.44	0.44			
	COLUMN 1	3	2.68	2.63	2.73	0.407		
		4	2.83	2.78	2.88	0.488		
		5	2.97	2.92	3.02	0.534	0.441	
COLUMN 2	1	2.79	2.74	2.84	0.322			
	2	2.89	2.84	2.94	0.481			
	3	3.27	3.22	3.32	0.456			
	4	3.40	3.35	3.45	0.526			
	5	3.60	3.55	3.65	0.519	0.461	4	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-02	
Client ID : E-187-1.5-2.0	
Date Analyzed (1) : 02/11/20 15:51	Date Analyzed (2) : 02/11/20 15:51
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.403		
	2	2.39	2.34	2.44	0.526		
COLUMN 1	3	2.68	2.63	2.73	0.501		
	4	2.83	2.78	2.88	0.606		
	5	2.97	2.92	3.02	0.653	0.538	
COLUMN 2	1	2.79	2.74	2.84	0.4		
	2	2.89	2.84	2.94	0.58		
	3	3.27	3.22	3.32	0.573		
	4	3.40	3.35	3.45	0.669		
	5	3.60	3.55	3.65	0.666	0.578	7



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-03	
Client ID : E-186-0.5-1.0	
Date Analyzed (1) : 02/11/20 15:58	Date Analyzed (2) : 02/11/20 15:58
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.064		
	2	2.39	2.34	2.44	0.079		
COLUMN 1	3	2.68	2.63	2.73	0.0748		
	4	2.83	2.78	2.88	0.0802		
	5	2.97	2.92	3.02	0.0891	0.0774	
COLUMN 2	1	2.79	2.74	2.84	0.0609		
	2	2.89	2.84	2.94	0.0797		
	3	3.27	3.22	3.32	0.0816		
	4	3.40	3.35	3.45	0.0831		
	5	3.60	3.55	3.65	0.0872	0.0785	1



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-04	
Client ID : E-186-1.5-2.0	
Date Analyzed (1) : 02/11/20 16:05	Date Analyzed (2) : 02/11/20 16:05
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.0178		
	2	2.39	2.34	2.44	0.0214		
COLUMN 1	3	2.68	2.63	2.73	0.023		
	4	2.83	2.78	2.88	0.0216		
	5	2.97	2.92	3.02	0.0231	0.0214J	
COLUMN 2	1	2.79	2.74	2.84	0.017		
	2	2.89	2.84	2.94	0.0202		
	3	3.27	3.22	3.32	0.0211		
	4	3.40	3.35	3.45	0.0214		
	5	3.60	3.55	3.65	0.0218	0.0203J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-05	
Client ID : E-178-0.5-1.0	
Date Analyzed (1) : 02/11/20 16:11	Date Analyzed (2) : 02/11/20 16:11
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.0484		
	2	2.39	2.34	2.44	0.0614		
COLUMN 1	3	2.68	2.63	2.73	0.0598		
	4	2.83	2.78	2.88	0.0651		
	5	2.97	2.92	3.02	0.0701	0.061	
COLUMN 2	1	2.79	2.74	2.84	0.0453		
	2	2.89	2.84	2.94	0.0618		
	3	3.27	3.22	3.32	0.062		
	4	3.40	3.35	3.45	0.0656		
	5	3.59	3.55	3.65	0.068	0.0605	1



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-06	
Client ID : E-178-2.0-2.5	
Date Analyzed (1) : 02/11/20 16:18	Date Analyzed (2) : 02/11/20 16:18
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.0424		
	2	2.39	2.34	2.44	0.051		
COLUMN 1	3	2.68	2.63	2.73	0.0483		
	4	2.83	2.78	2.88	0.052		
	5	2.97	2.92	3.02	0.0546	0.0496	
COLUMN 2	1	2.79	2.74	2.84	0.0391		
	2	2.89	2.84	2.94	0.0502		
	3	3.27	3.22	3.32	0.049		
	4	3.40	3.35	3.45	0.0507		
	5	3.59	3.55	3.65	0.0535	0.0485	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-08	
Client ID : E-161-0.5-1.0	
Date Analyzed (1) : 02/14/20 11:44	Date Analyzed (2) : 02/14/20 11:44
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	2.57	2.53	2.63	0.00688			
	2	2.71	2.67	2.77	0.00708			
COLUMN 1	3	3.06	3.01	3.11	0.00638			
	4	3.23	3.19	3.29	0.0065			
	5	3.39	3.34	3.44	0.00786	0.00694J		
COLUMN 2	1	2.96	2.91	3.01	0.00534			
	2	3.07	3.02	3.12	0.00665			
	3	3.49	3.44	3.54	0.00481			
	4	3.63	3.58	3.68	0.00669			
	5	3.84	3.80	3.90	0.00653	0.		NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-10	
Client ID : E-160-0.5-1.0	
Date Analyzed (1) : 02/14/20 11:51	Date Analyzed (2) : 02/14/20 11:51
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.53	2.63	0.0431			
	2	2.71	2.67	2.77	0.0416			
	COLUMN 1	3	3.06	3.01	3.11	0.0353		
		4	3.23	3.19	3.29	0.0406		
		5	3.39	3.34	3.44	0.0423	0.0406	
COLUMN 2	1	2.96	2.91	3.01	0.0275			
	2	3.07	3.02	3.12	0.0377			
	3	3.49	3.44	3.54	0.0297			
	4	3.63	3.58	3.68	0.0384			
	5	3.84	3.80	3.90	0.0363	0.0339J	NC	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-11	
Client ID : E-160-2.0-2.5	
Date Analyzed (1) : 02/11/20 16:39	Date Analyzed (2) : 02/11/20 16:39
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.117		
	2	2.39	2.34	2.44	0.142		
COLUMN 1	3	2.68	2.63	2.73	0.139		
	4	2.83	2.78	2.88	0.155		
	5	2.97	2.92	3.02	0.166	0.144	
COLUMN 2	1	2.79	2.74	2.84	0.115		
	2	2.89	2.84	2.94	0.147		
	3	3.27	3.22	3.32	0.152		
	4	3.40	3.35	3.45	0.161		
	5	3.59	3.55	3.65	0.166	0.148	3



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-12	
Client ID : E-171-0.5-1.0	
Date Analyzed (1) : 02/11/20 16:45	Date Analyzed (2) : 02/11/20 16:45
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.0805		
	2	2.39	2.34	2.44	0.109		
COLUMN 1	3	2.68	2.63	2.73	0.104		
	4	2.83	2.78	2.88	0.118		
	5	2.97	2.92	3.02	0.13	0.108	
COLUMN 2	1	2.79	2.74	2.84	0.0775		
	2	2.89	2.84	2.94	0.111		
	3	3.27	3.22	3.32	0.112		
	4	3.40	3.35	3.45	0.12		
	5	3.59	3.55	3.65	0.124	0.109	1



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-13	
Client ID : E-171-2.0-2.5	
Date Analyzed (1) : 02/11/20 16:52	Date Analyzed (2) : 02/11/20 16:52
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.195		
	2	2.39	2.34	2.44	0.265		
COLUMN 1	3	2.68	2.63	2.73	0.256		
	4	2.83	2.78	2.88	0.31		
	5	2.97	2.92	3.02	0.339	0.273	
COLUMN 2	1	2.79	2.74	2.84	0.194		
	2	2.89	2.84	2.94	0.286		
	3	3.27	3.22	3.32	0.289		
	4	3.40	3.35	3.45	0.33		
	5	3.60	3.55	3.65	0.34	0.288	5



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005778
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2005778-14		
Client ID	: X01-020620		
Date Analyzed (1)	: 02/11/20 15:24	Date Analyzed (2)	: 02/11/20 15:24
Instrument ID (1)	: PEST23	Instrument ID (2)	: PEST23
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.30	2.22	2.32	0.0867		
	2	2.42	2.34	2.44	0.116		
COLUMN 1	3	2.71	2.63	2.73	0.109		
	4	2.86	2.78	2.88	0.124		
	5	3.00	2.92	3.02	0.142	0.115	
COLUMN 2	1	2.81	2.74	2.84	0.0778		
	2	2.91	2.84	2.94	0.114		
	3	3.29	3.22	3.32	0.114		
	4	3.42	3.35	3.45	0.125		
	5	3.61	3.55	3.65	0.129	0.112	3



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-16D	
Client ID : E-121-0.5-1.0	
Date Analyzed (1) : 02/12/20 15:17	Date Analyzed (2) : 02/12/20 15:17
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.56	2.51	2.61	62.3			
	2	2.71	2.66	2.76	65.6			
	COLUMN 1	3	3.05	3.00	3.10	62.7		
		4	3.22	3.17	3.27	64.7		
		5	3.38	3.33	3.43	67.2	64.5	
COLUMN 2	1	2.95	2.90	3.00	58.4			
	2	3.06	3.01	3.11	62.8			
	3	3.48	3.43	3.53	62.2			
	4	3.62	3.57	3.67	60.8			
	5	3.83	3.78	3.88	62.6	61.4	5	



Identification Summary
Form 10
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2005778
 Project Name : AMTRAK EAST BARRACKS Project Number : 277710568.0008.06
 Lab Sample ID : L2005778-17D
 Client ID : E-121-2.0-2.5
 Date Analyzed (1) : 02/11/20 21:00 Date Analyzed (2) : 02/11/20 21:00
 Instrument ID (1) : PEST23 Instrument ID (2) : PEST23
 GC Column (1) : CLP-Pesticide GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	3.82		
	2	2.39	2.34	2.44	3.92		
COLUMN 1	3	2.69	2.63	2.73	3.95		
	4	2.83	2.78	2.88	3.88		
	5	2.97	2.92	3.02	4.01	3.92	
COLUMN 2	1	2.79	2.74	2.84	3.99		
	2	2.89	2.84	2.94	4.06		
	3	3.27	3.22	3.32	4.01		
	4	3.40	3.35	3.45	4.05		
	5	3.59	3.54	3.64	4.12	4.05	3



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-18	
Client ID : E-121-3.0-3.5	
Date Analyzed (1) : 02/17/20 21:38	Date Analyzed (2) : 02/17/20 21:38
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.56	2.51	2.61	0.145		
	2	2.71	2.66	2.76	0.147		
COLUMN 1	3	3.05	3.00	3.10	0.149		
	4	3.22	3.17	3.27	0.141		
	5	3.38	3.33	3.43	0.148	0.146	
COLUMN 2	1	2.95	2.90	3.00	0.137		
	2	3.07	3.02	3.12	0.145		
	3	3.48	3.43	3.53	0.117		
	4	3.62	3.57	3.67	0.133		
	5	3.84	3.79	3.89	0.137	0.134	9



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-19	
Client ID : E-123-0.5-1.0	
Date Analyzed (1) : 02/11/20 17:12	Date Analyzed (2) : 02/11/20 17:12
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.0252		
	2	2.39	2.34	2.44	0.0275		
COLUMN 1	3	2.68	2.63	2.73	0.0265		
	4	2.83	2.78	2.88	0.0262		
	5	2.97	2.92	3.02	0.026	0.0263J	
COLUMN 2	1	2.79	2.74	2.84	0.0252		
	2	2.89	2.84	2.94	0.0256		
	3	3.27	3.22	3.32	0.0306		
	4	3.40	3.35	3.45	0.0234		
	5	3.59	3.55	3.65	0.0234	0.0256J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-20	
Client ID : E-123-2.0-2.5	
Date Analyzed (1) : 02/11/20 17:46	Date Analyzed (2) : 02/11/20 17:46
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.254		
	2	2.39	2.34	2.44	0.266		
COLUMN 1	3	2.68	2.63	2.73	0.262		
	4	2.83	2.78	2.88	0.269		
	5	2.97	2.92	3.02	0.28	0.266	
COLUMN 2	1	2.79	2.74	2.84	0.254		
	2	2.89	2.84	2.94	0.279		
	3	3.27	3.22	3.32	0.284		
	4	3.40	3.35	3.45	0.286		
	5	3.59	3.54	3.64	0.287	0.278	4



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-21D	
Client ID : E-123-3.0-3.5	
Date Analyzed (1) : 02/11/20 21:06	Date Analyzed (2) : 02/11/20 21:06
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	3.37		
	2	2.39	2.34	2.44	3.55		
COLUMN 1	3	2.68	2.63	2.73	3.41		
	4	2.83	2.78	2.88	3.46		
	5	2.97	2.92	3.02	3.66	3.49	
COLUMN 2	1	2.79	2.74	2.84	3.3		
	2	2.89	2.84	2.94	3.64		
	3	3.27	3.22	3.32	3.64		
	4	3.40	3.35	3.45	3.61		
	5	3.59	3.54	3.64	3.67	3.57	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-22	
Client ID : E-119-0.5-1.0	
Date Analyzed (1) : 02/14/20 11:58	Date Analyzed (2) : 02/14/20 11:58
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean	%RPD
			From	To		Concentration	
AROCOR 1260	1	2.57	2.53	2.63	0.0168		
	2	2.71	2.67	2.77	0.0208		
COLUMN 1	3	3.06	3.01	3.11	0.0154		
	4	3.23	3.19	3.29	0.0176		
	5	3.39	3.34	3.44	0.0211	0.0183J	
COLUMN 2	1	2.96	2.91	3.01	0.0144		
	2	3.07	3.02	3.12	0.0152		
	3	3.49	3.44	3.54	0.016		
	4	3.63	3.58	3.68	0.0147		
	5	3.84	3.80	3.90	0.0167	0.0154J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-23	
Client ID : E-119-2.0-2.5	
Date Analyzed (1) : 02/11/20 18:07	Date Analyzed (2) : 02/11/20 18:07
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.00734		
	2	2.39	2.34	2.44	0.00894		
COLUMN 1	3	2.68	2.63	2.73	0.00827		
	4	2.83	2.78	2.88	0.00885		
	5	2.96	2.92	3.02	0.00965	0.00861J	
COLUMN 2	1	2.79	2.74	2.84	0.00698		
	2	2.89	2.84	2.94	0.0085		
	3	3.27	3.22	3.32	0.00931		
	4	3.40	3.35	3.45	0.00868		
	5	3.59	3.54	3.64	0.00852	0.0084J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-24	
Client ID : E-119-3.0-3.5	
Date Analyzed (1) : 02/11/20 18:14	Date Analyzed (2) : 02/11/20 18:14
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.0991		
	2	2.39	2.34	2.44	0.116		
COLUMN 1	3	2.68	2.63	2.73	0.106		
	4	2.83	2.78	2.88	0.117		
	5	2.97	2.92	3.02	0.133	0.114	
COLUMN 2	1	2.79	2.74	2.84	0.0966		
	2	2.89	2.84	2.94	0.119		
	3	3.27	3.22	3.32	0.115		
	4	3.40	3.35	3.45	0.122		
	5	3.59	3.54	3.64	0.127	0.116	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-26D	
Client ID : E-124-0.5-1.0	
Date Analyzed (1) : 02/13/20 15:06	Date Analyzed (2) : 02/13/20 15:06
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.83	4.80	4.90	1.96		
	2	5.03	5.00	5.10	2.08		
COLUMN 1	3	5.49	5.46	5.56	1.86		
	4	5.71	5.67	5.77	1.93		
	5	5.90	5.87	5.97	2.08	1.98	
COLUMN 2	1	5.21	5.17	5.27	2.52		
	2	5.36	5.32	5.42	2.7		
	3	5.88	5.84	5.94	2.57		
	4	6.05	6.01	6.11	2.56		
	5	6.29	6.26	6.36	2.54	2.58	26



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-27	
Client ID : E-124-2.0-2.5	
Date Analyzed (1) : 02/13/20 02:14	Date Analyzed (2) : 02/13/20 02:14
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	5.06	5.01	5.11	0.0149		
	2	5.26	5.21	5.31	0.0121		
COLUMN 1	3	5.73	5.68	5.78	0.0132		
	4	5.94	5.89	5.99	0.0116		
	5	6.14	6.09	6.19	0.0131	0.013J	
COLUMN 2	1	5.55	5.50	5.60	0.0126		
	2	5.69	5.64	5.74	0.0142		
	3	6.22	6.17	6.27	0.0162		
	4	6.38	6.33	6.43	0.0128		
	5	6.64	6.59	6.69	0.0115	0.0135J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-28	
Client ID : E-126-0.5-1.0	
Date Analyzed (1) : 02/13/20 02:25	Date Analyzed (2) : 02/13/20 02:25
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	5.06	5.01	5.11	0.136		
	2	5.26	5.21	5.31	0.195		
COLUMN 1	3	5.73	5.68	5.78	0.188		
	4	5.94	5.89	5.99	0.202		
	5	6.14	6.09	6.19	0.215	0.188	
COLUMN 2	1	5.55	5.50	5.60	0.157		
	2	5.69	5.64	5.74	0.237		
	3	6.22	6.17	6.27	0.223		
	4	6.39	6.33	6.43	0.225		
	5	6.64	6.59	6.69	0.226	0.214	13



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005778
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2005778-29		
Client ID	: E-126-2.0-2.5		
Date Analyzed (1)	: 02/13/20 02:37	Date Analyzed (2)	: 02/13/20 02:37
Instrument ID (1)	: PEST16	Instrument ID (2)	: PEST16
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	5.06	5.01	5.11	0.0265			
	2	5.26	5.21	5.31	0.0327			
COLUMN 1	3	5.73	5.68	5.78	0.0346			
	4	5.94	5.89	5.99	0.0358			
	5	6.15	6.09	6.19	0.046	0.0351J		
COLUMN 2	1	5.55	5.50	5.60	0.0294			
	2	5.69	5.64	5.74	0.0384			
	3	6.22	6.17	6.27	0.043			
	4	6.39	6.33	6.43	0.0413			
	5	6.64	6.59	6.69	0.046	0.0396		NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005778-32	
Client ID : X-2-0207202	
Date Analyzed (1) : 02/13/20 02:49	Date Analyzed (2) : 02/13/20 02:49
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	5.06	5.01	5.11	0.127		
	2	5.26	5.21	5.31	0.192		
COLUMN 1	3	5.73	5.68	5.78	0.183		
	4	5.94	5.89	5.99	0.197		
	5	6.14	6.09	6.19	0.206	0.181	
COLUMN 2	1	5.55	5.50	5.60	0.147		
	2	5.69	5.64	5.74	0.23		
	3	6.22	6.17	6.27	0.209		
	4	6.38	6.33	6.43	0.221		
	5	6.64	6.59	6.69	0.219	0.205	12



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200213A\
 Data File : 13200213a-14.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 3:06 pm
 Operator : pest13:ht
 Sample : l2005778-26d,42e,5,
 Misc : wgl340307,wgl339310,ical16298
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 03:01:16 2020
 Quant Method : I:\Pest13\200213A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200213A\13200213a-01.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.150	2.157	591.3E6	1695.4E6	250.000	250.000
Standard Area 1 : #1 = 662814880					Recovery =	89.20%
Standard Area 1 : #2 = 1810681115					Recovery =	93.64%
14) i 2154_1br2nb	2.150	2.157	591.3E6	1695.4E6	250.000	250.000
23) i 4268_1br2nb	2.150	2.157	591.3E6	1695.4E6	250.000	250.000
34) i 1248_1br2nb	2.150	2.157	591.3E6	1695.4E6	250.000	250.000
40) i 3262_1br2nb	2.150	2.157	591.3E6	1695.4E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.631	2.751	135.6E6	410.7E6	52.069	59.557
Spiked Amount 500.000	Range 30 - 150				Recovery =	10.41%# 11.91%#
3) s Decachlorobi	6.622	7.039	95223450	234.9E6	47.379	64.232
Spiked Amount 500.000	Range 30 - 150				Recovery =	9.48%# 12.85%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.828	5.208	636.2E6	1796.8E6	4627.345	5952.143
10) l2 1260-2	5.031	5.358	1010.0E6	2265.7E6	4929.582	6377.145
11) l2 1260-3	5.494	5.881	580.5E6	1717.3E6	4392.129	6088.171
12) l2 1260-4	5.707	6.047	1346.4E6	3527.4E6	4575.929	6065.761
13) l2 1260-5	5.902	6.290	971.7E6	2284.5E6	4924.660M4	6008.180
Sum 1260-1			4544.8E6	11591.6E6	23449.644	30491.400
Average 1260-1					4689.929	6098.280

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200213A\
 Data File : 13200213a-14.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 3:06 pm
 Operator : pest13:ht
 Sample : l2005778-26d,42e,5,
 Misc : wgl1340307,wgl1339310,ical16298
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 03:01:16 2020
 Quant Method : I:\Pest13\200213A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200213A\13200213a-01.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200213A\
 Data File : 13200213a-14.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 3:06 pm
 Operator : pest13:ht
 Sample : l2005778-26d,42e,5,
 Misc : wgl340307,wgl339310,ical16298
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 03:01:16 2020
 Quant Method : I:\Pest13\200213A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200213A\13200213a-01.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200213A\
 Data File : 13200213a-14.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 3:06 pm
 Operator : pest13:ht
 Sample : l2005778-26d,42e,5,
 Misc : wgl340307,wgl339310,ical16298
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 03:01:16 2020
 Quant Method : I:\Pest13\200213A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200213A\13200213a-01.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

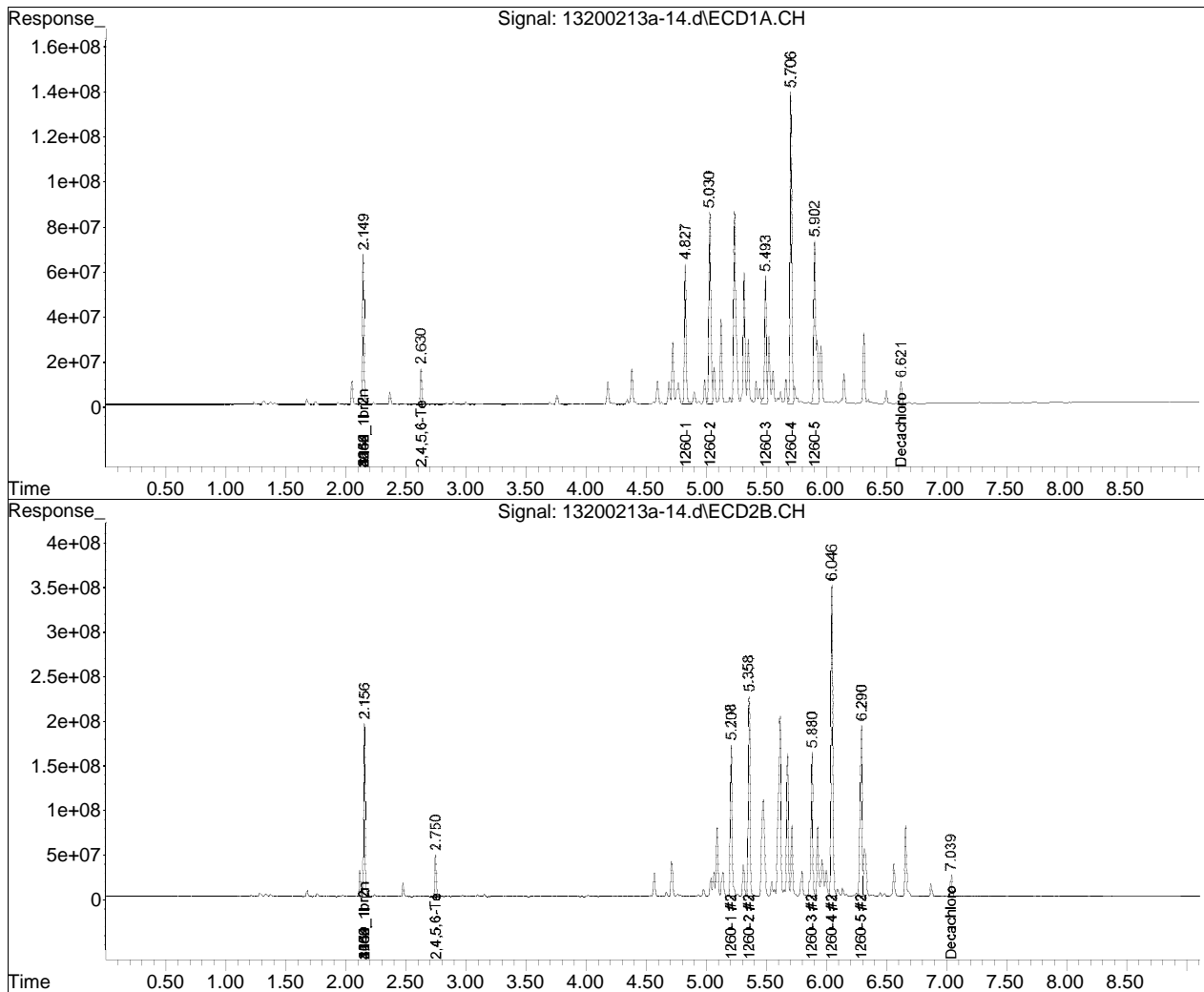
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-01.d**d)

Data Path : I:\Pest13\200213A\
Data File : 13200213a-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Feb 2020 3:06 pm
Operator : pest13:ht
Sample : 12005778-26d,42e,5,
Misc : wg1340307,wg1339310,ical16298
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 14 03:01:16 2020
Quant Method : I:\Pest13\200213A\P13_pcb_11_14_19_ugL_ICAL16298.m
Quant Title : pcb
QLast Update : Wed Feb 12 21:30:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

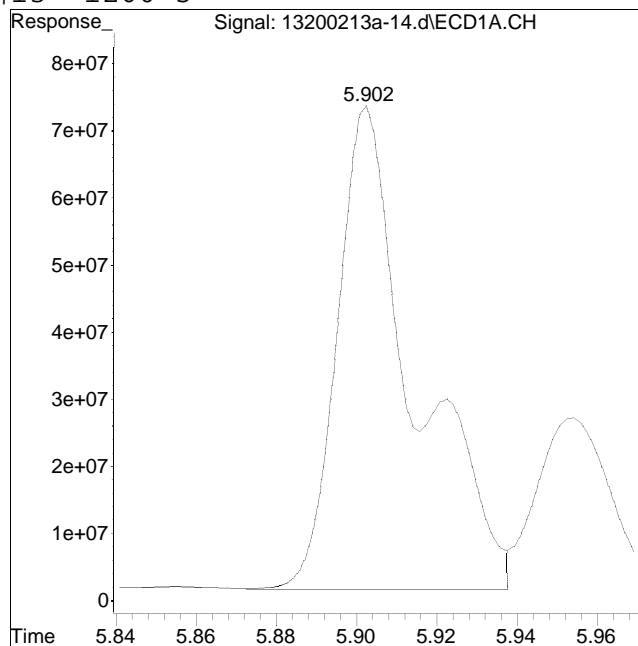
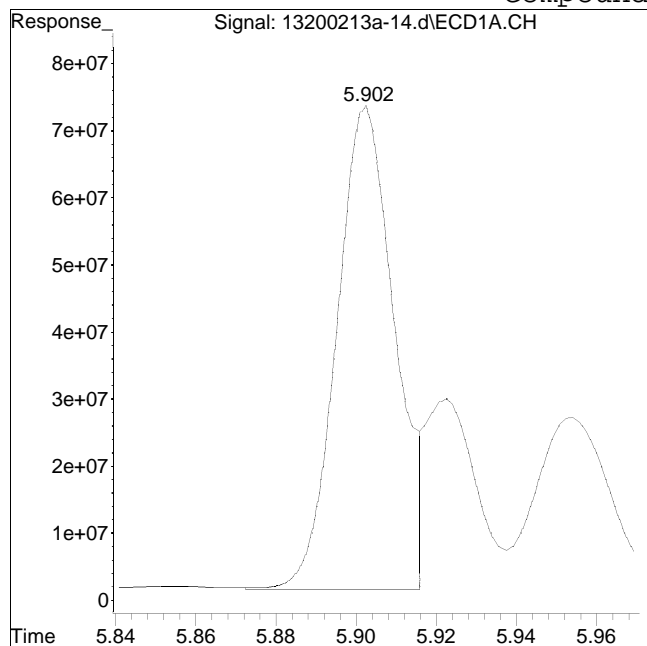


Manual Integration Report

Data Path : I:\Pest13\200213A\
Data File : 13200213a-14.d
Date Inj'd : 2/13/2020 3:06 pm
Sample : 12005778-26d,42e,5,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:ht
Instrument : PEST 13
Quant Date : 2/14/2020 2:58 am

Compound #13: 1260-5



Original Peak Response = 715937192

Manual Peak Response = 971689137 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-25.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:14 am
 Operator : pest16:ht
 Sample : L2005778-27,42e,,
 Misc : wgl340106,wgl339310,ical16473
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:09:26 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.250	2.285	777.6E6	1811.3E6	250.000	250.000
Standard Area 1 : #1 = 744934323					Recovery =	104.39%
Standard Area 1 : #2 = 1756701501					Recovery =	103.11%
14) i 2154_1br2nb	2.250	2.285	777.6E6	1811.3E6	250.000	250.000
23) i 4268_1br2nb	2.250	2.285	777.6E6	1811.3E6	250.000	250.000
34) i 1248_1br2nb	2.250	2.285	777.6E6	1811.3E6	250.000	250.000
40) i 3262_1br2nb	2.250	2.285	777.6E6	1811.3E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.766	2.952	990.6E6	2190.4E6	273.556	268.089
Spiked Amount 500.000	Range 30 - 150		Recovery =		54.71%	53.62%
3) s Decachlorobi	6.873	7.415	656.4E6	1231.6E6	258.080	268.976M2
Spiked Amount 500.000	Range 30 - 150		Recovery =		51.62%	53.80%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.057	5.545	31803491	56290851	182.611	154.561M4
10) l2 1260-2	5.262	5.691	39592810	74018488	147.956	174.453M4
11) l2 1260-3	5.728	6.221	27167214	67218114	162.270	198.761M4
12) l2 1260-4	5.943	6.384	55643875	110.3E6	142.433	156.446M4
13) l2 1260-5	6.142	6.636	41051310	67001348	160.445	140.695M4
Sum 1260-1			195.3E6	374.9E6	795.715	824.916
Average 1260-1					159.143	164.983

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-25.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:14 am
 Operator : pest16:ht
 Sample : L2005778-27,42e,,
 Misc : wgl1340106,wgl1339310,ical16473
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:09:26 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-25.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:14 am
 Operator : pest16:ht
 Sample : L2005778-27,42e,,
 Misc : wgl340106,wgl339310,ical16473
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:09:26 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

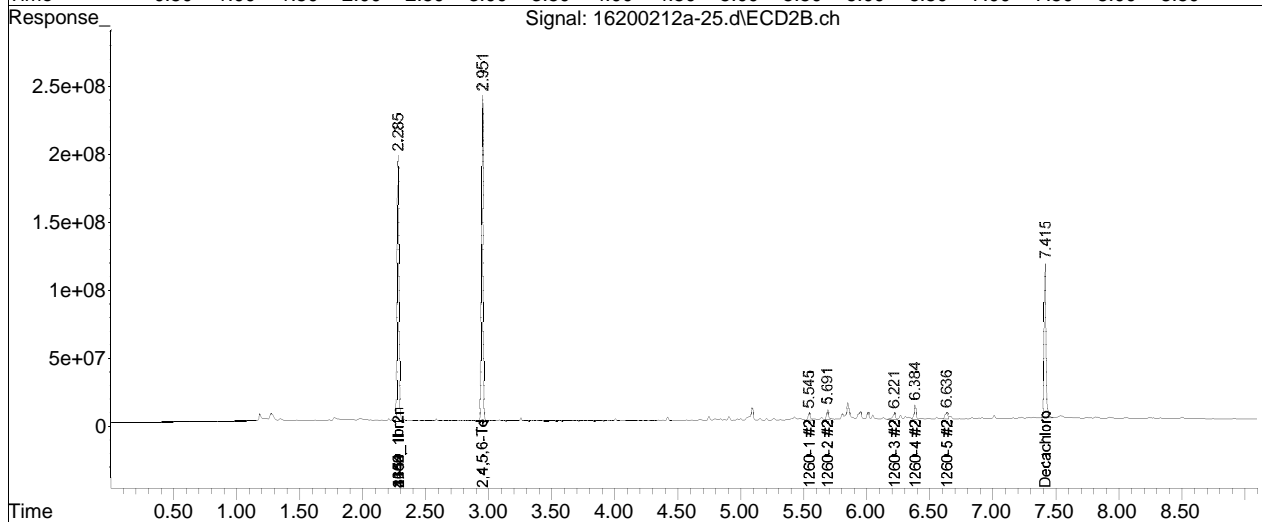
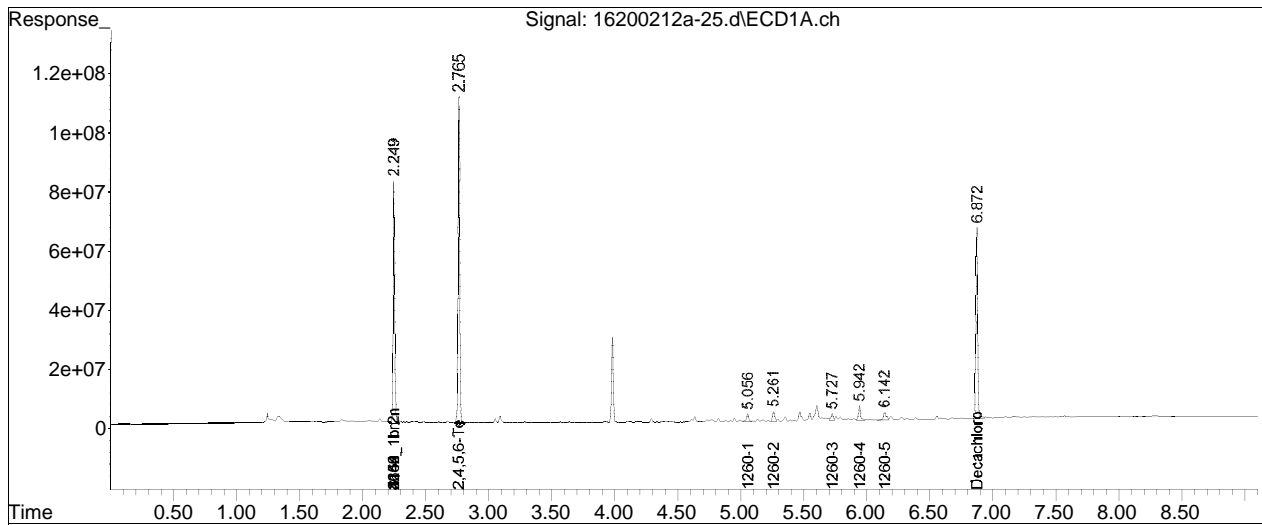
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-10.d••d)

Data Path : I:\Pest16\200212A\
Data File : 16200212a-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Feb 2020 2:14 am
Operator : pest16:ht
Sample : L2005778-27,42e,,
Misc : wg1340106,wg1339310,ical16473
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 14 00:09:26 2020
Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

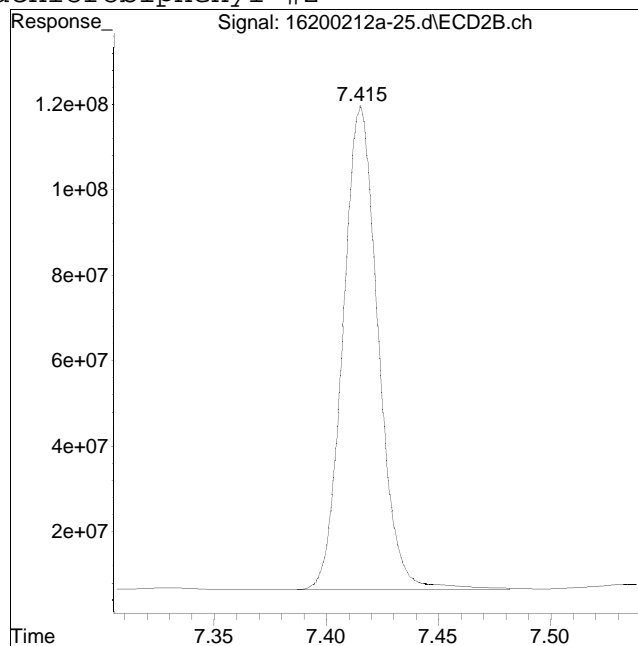
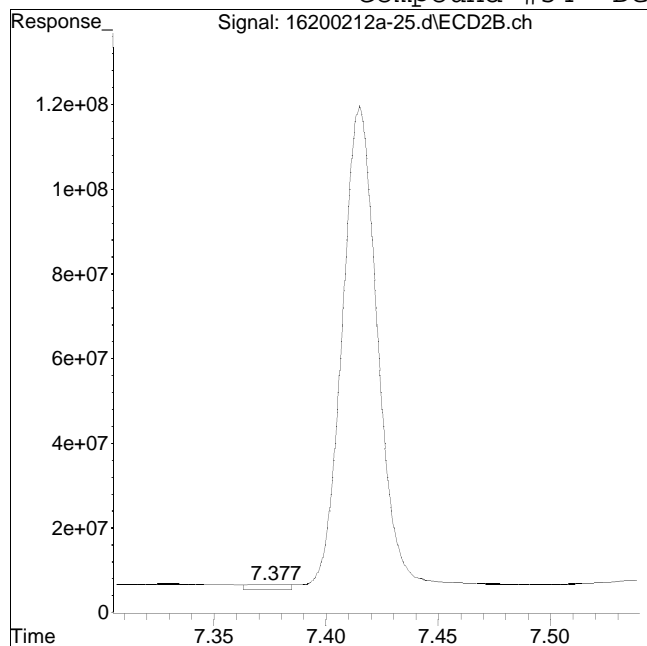


Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-25.d
Date Inj'd : 2/13/2020 2:14 am
Sample : L2005778-27,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 13872136

Manual Peak Response = 1231605690 M2

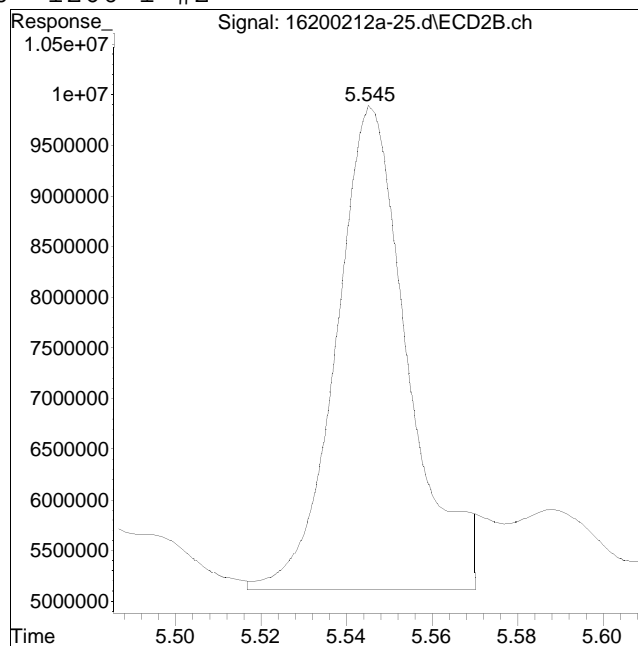
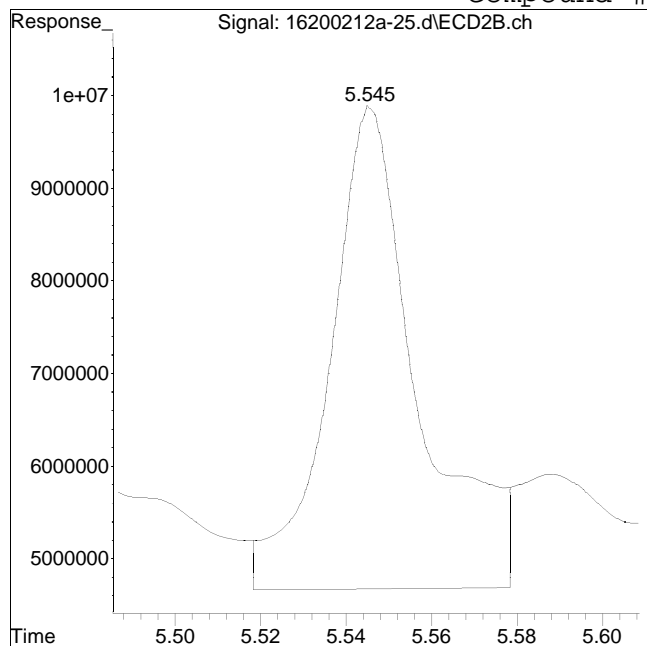
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-25.d
Date Inj'd : 2/13/2020 2:14 am
Sample : L2005778-27,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #60: 1260-1 #2



Original Peak Response = 74354379

Manual Peak Response = 56290851 M4

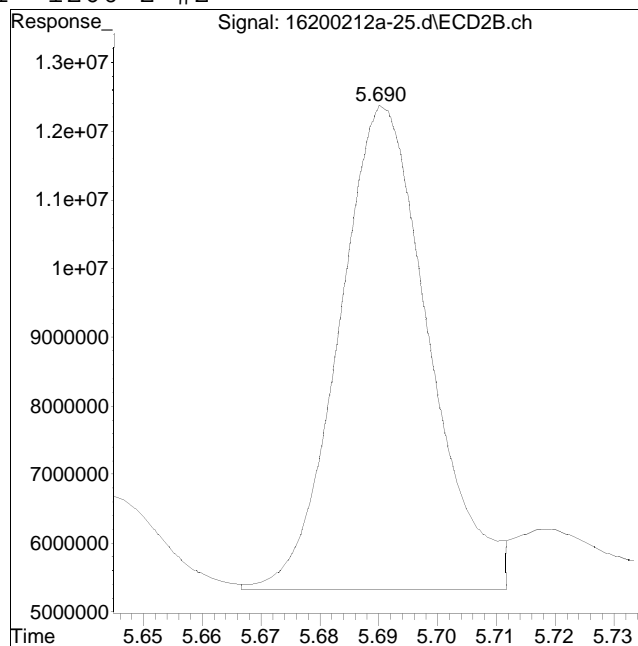
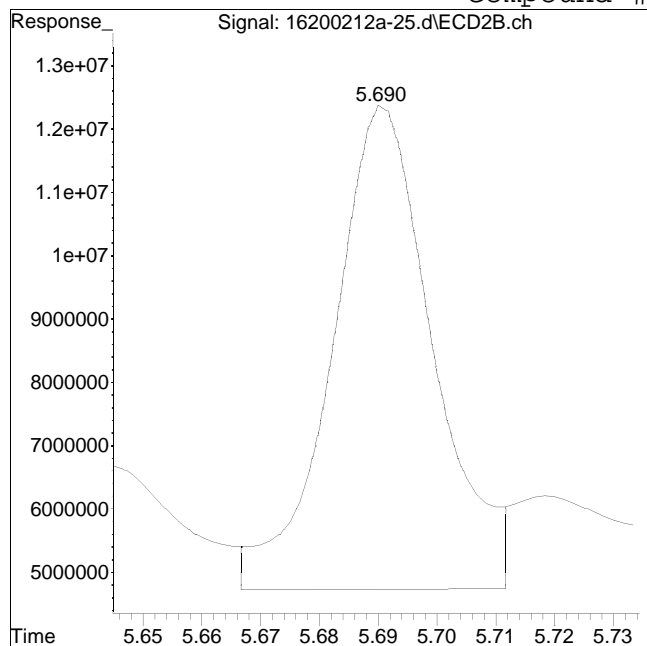
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-25.d
Date Inj'd : 2/13/2020 2:14 am
Sample : L2005778-27,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #61: 1260-2 #2



Original Peak Response = 90276570

Manual Peak Response = 74018488 M4

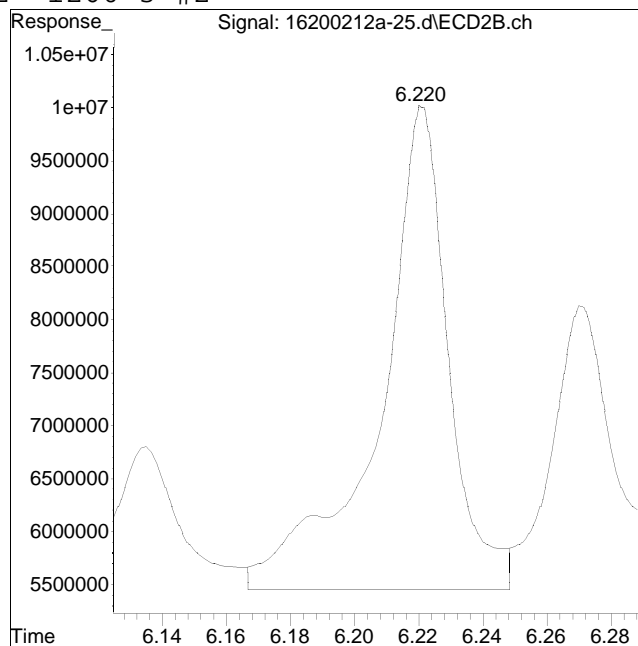
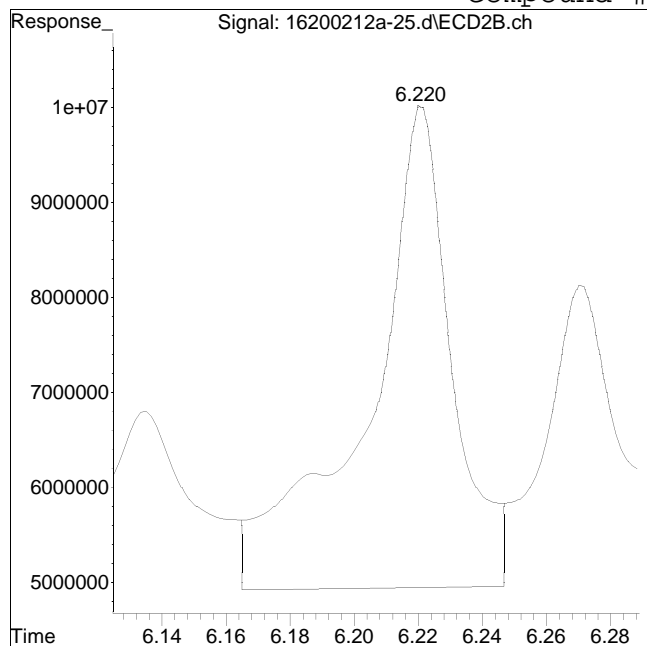
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-25.d
Date Inj'd : 2/13/2020 2:14 am
Sample : L2005778-27,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #62: 1260-3 #2



Original Peak Response = 92129420

Manual Peak Response = 67218114 M4

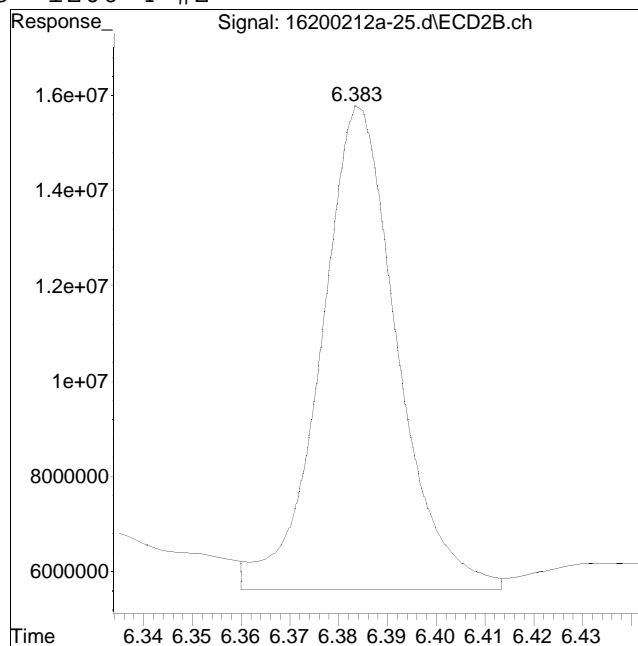
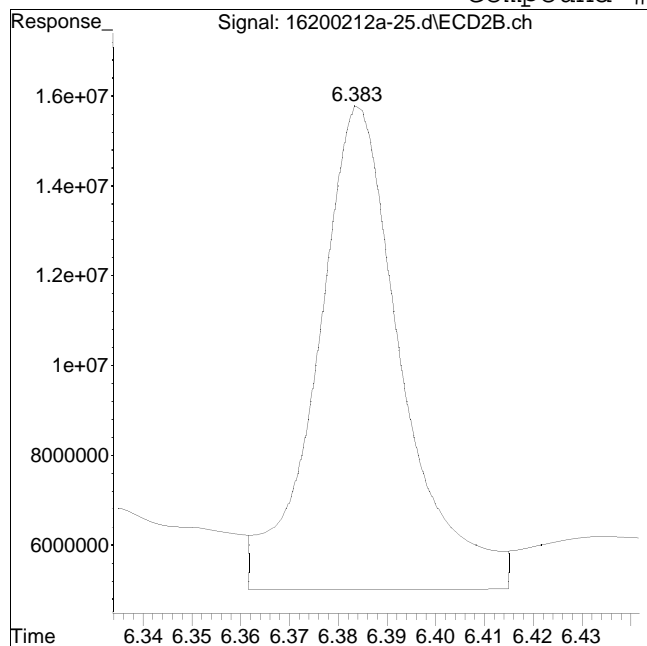
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-25.d
Date Inj'd : 2/13/2020 2:14 am
Sample : L2005778-27,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #63: 1260-4 #2



Original Peak Response = 129496638

Manual Peak Response = 110334547 M4

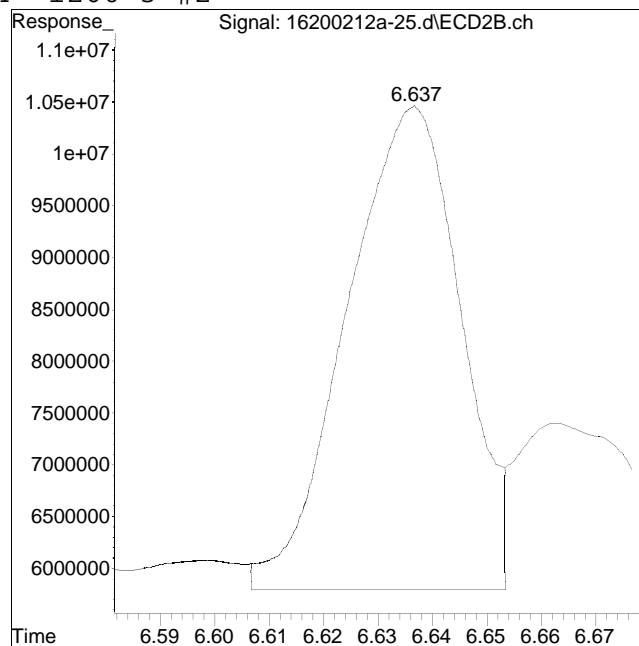
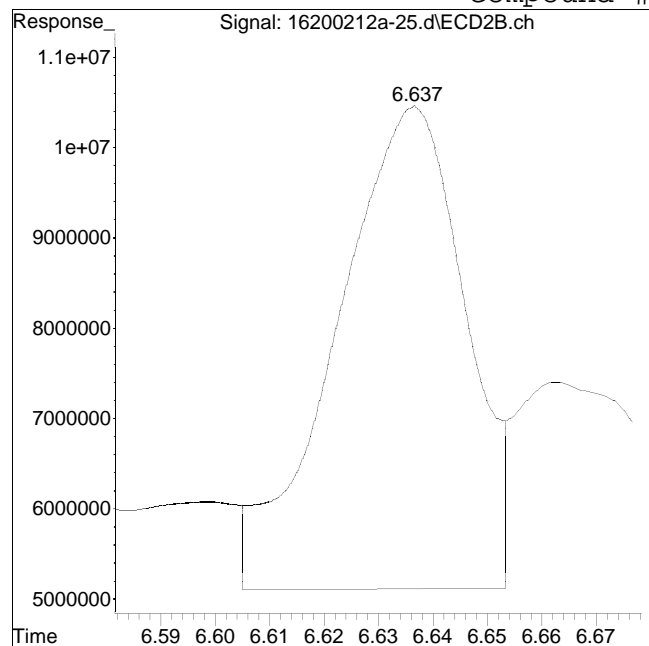
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-25.d
Date Inj'd : 2/13/2020 2:14 am
Sample : L2005778-27,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #64: 1260-5 #2



Original Peak Response = 87780484

Manual Peak Response = 67001348 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-26.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:25 am
 Operator : pest16:ht
 Sample : L2005778-28,42e,,
 Misc : wgl340106,wgl339310,ical16473
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:10:19 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.250	2.285	720.1E6	1662.5E6	250.000	250.000
Standard Area 1 : #1 = 744934323					Recovery =	96.67%
Standard Area 1 : #2 = 1756701501					Recovery =	94.64%
14) i 2154_1br2nb	2.250	2.285	720.1E6	1662.5E6	250.000	250.000
23) i 4268_1br2nb	2.250	2.285	720.1E6	1662.5E6	250.000	250.000
34) i 1248_1br2nb	2.250	2.285	720.1E6	1662.5E6	250.000	250.000
40) i 3262_1br2nb	2.250	2.285	720.1E6	1662.5E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.766	2.952	807.8E6	1777.5E6	240.893	237.025
Spiked Amount 500.000	Range 30 - 150				Recovery =	48.18%
3) s Decachlorobi	6.874	7.416	592.0E6	1091.1E6	251.315	259.616M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	50.26%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.057	5.547	249.4E6	596.2E6	1546.230	1783.563
10) l2 1260-2	5.261	5.692	548.8E6	1045.8E6	2214.612	2685.604
11) l2 1260-3	5.728	6.222	330.6E6	783.0E6	2132.135	2522.680
12) l2 1260-4	5.943	6.386	830.6E6	1653.8E6	2295.954	2554.949
13) l2 1260-5	6.143	6.638	578.0E6	1121.5E6	2439.322	2565.839
Sum 1260-1			2537.3E6	5200.4E6	10628.253	12112.635
Average 1260-1					2125.651	2422.527

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-26.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:25 am
 Operator : pest16:ht
 Sample : L2005778-28,42e,,
 Misc : wgl1340106,wgl1339310,ical16473
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:10:19 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-26.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:25 am
 Operator : pest16:ht
 Sample : L2005778-28,42e,,
 Misc : wgl340106,wgl339310,ical16473
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:10:19 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

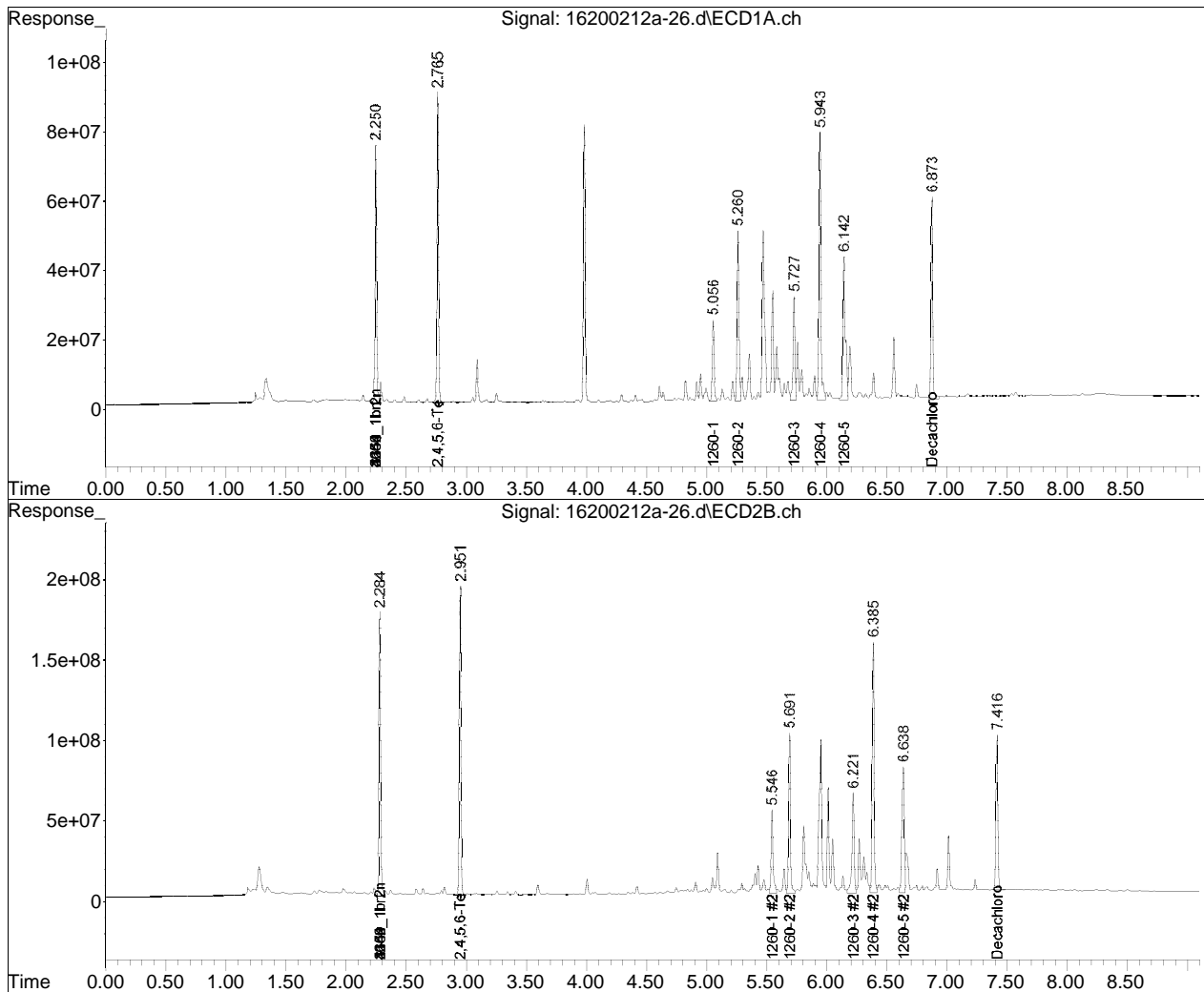
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-10.d••d)

Data Path : I:\Pest16\200212A\
Data File : 16200212a-26.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Feb 2020 2:25 am
Operator : pest16:ht
Sample : L2005778-28,42e,,
Misc : wg1340106,wg1339310,ical16473
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 14 00:10:19 2020
Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

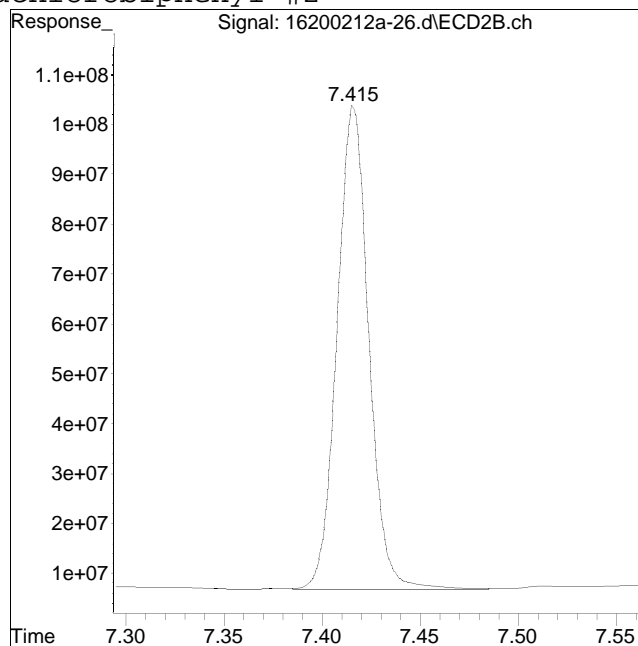
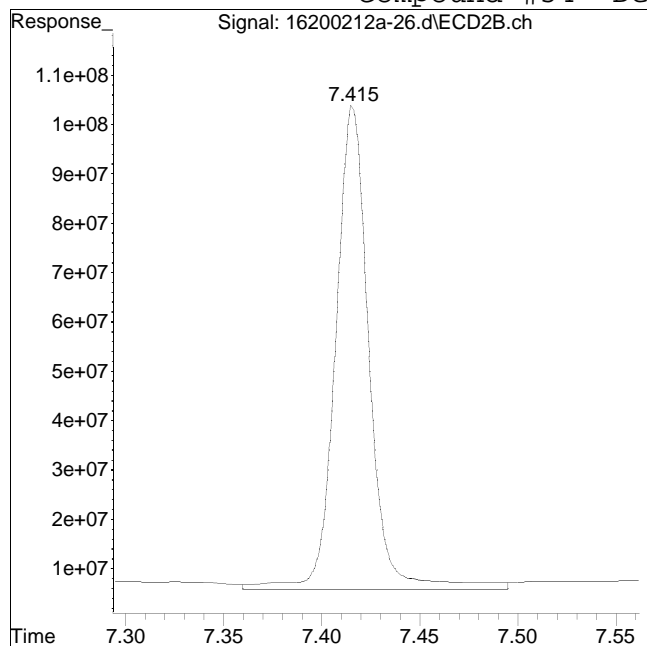


Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-26.d
Date Inj'd : 2/13/2020 2:25 am
Sample : L2005778-28,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1178105867

Manual Peak Response = 1091073347 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-27.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:37 am
 Operator : pest16:ht
 Sample : L2005778-29,42e,,
 Misc : wgl340106,wgl339310,ical16473
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:11:16 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	2.250	2.285	723.6E6	1701.9E6	250.000M4	250.000M4
	Standard Area 1 : #1 = 744934323					Recovery = 97.13%	
	Standard Area 1 : #2 = 1756701501					Recovery = 96.88%	
14) i	2154_1br2nb	2.250	2.285	723.6E6	1701.9E6	250.000M4	250.000M4
23) i	4268_1br2nb	2.250	2.285	723.6E6	1701.9E6	250.000M4	250.000M4
34) i	1248_1br2nb	2.250	2.285	723.6E6	1701.9E6	250.000M4	250.000M4
40) i	3262_1br2nb	2.250	2.285	723.6E6	1701.9E6	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.765	2.951	531.5E6	1210.9E6	157.725M4	157.731M4
	Spiked Amount 500.000 Range 30 - 150					Recovery = 31.55%	31.55%
3) s	Decachlorobi	6.874	7.416	371.6E6	724.5E6	157.023M4	168.399M4
	Spiked Amount 500.000 Range 30 - 150					Recovery = 31.40%	33.68%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	5.057	5.546	54428272	127.2E6	335.858	371.710M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-27.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:37 am
 Operator : pest16:ht
 Sample : L2005778-29,42e,,
 Misc : wgl340106,wgl339310,ical16473
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:11:16 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12 1260-2	5.262	5.692	103.1E6	193.7E6	414.183	485.883M4
11) 12 1260-3	5.729	6.221	68264946	173.0E6	438.198	544.505M4
12) 12 1260-4	5.944	6.385	164.8E6	346.5E6	453.239	522.913M3
13) 12 1260-5	6.145	6.638	138.6E6	260.8E6	582.043	582.891M4
Sum 1260-1			529.2E6	1101.2E6	2223.522	2507.902
Average 1260-1					444.704	501.580
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-27.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:37 am
 Operator : pest16:ht
 Sample : L2005778-29,42e,,
 Misc : wgl1340106,wgl1339310,ical16473
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:11:16 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-27.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:37 am
 Operator : pest16:ht
 Sample : L2005778-29,42e,,
 Misc : wgl1340106,wgl1339310,ical16473
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:11:16 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

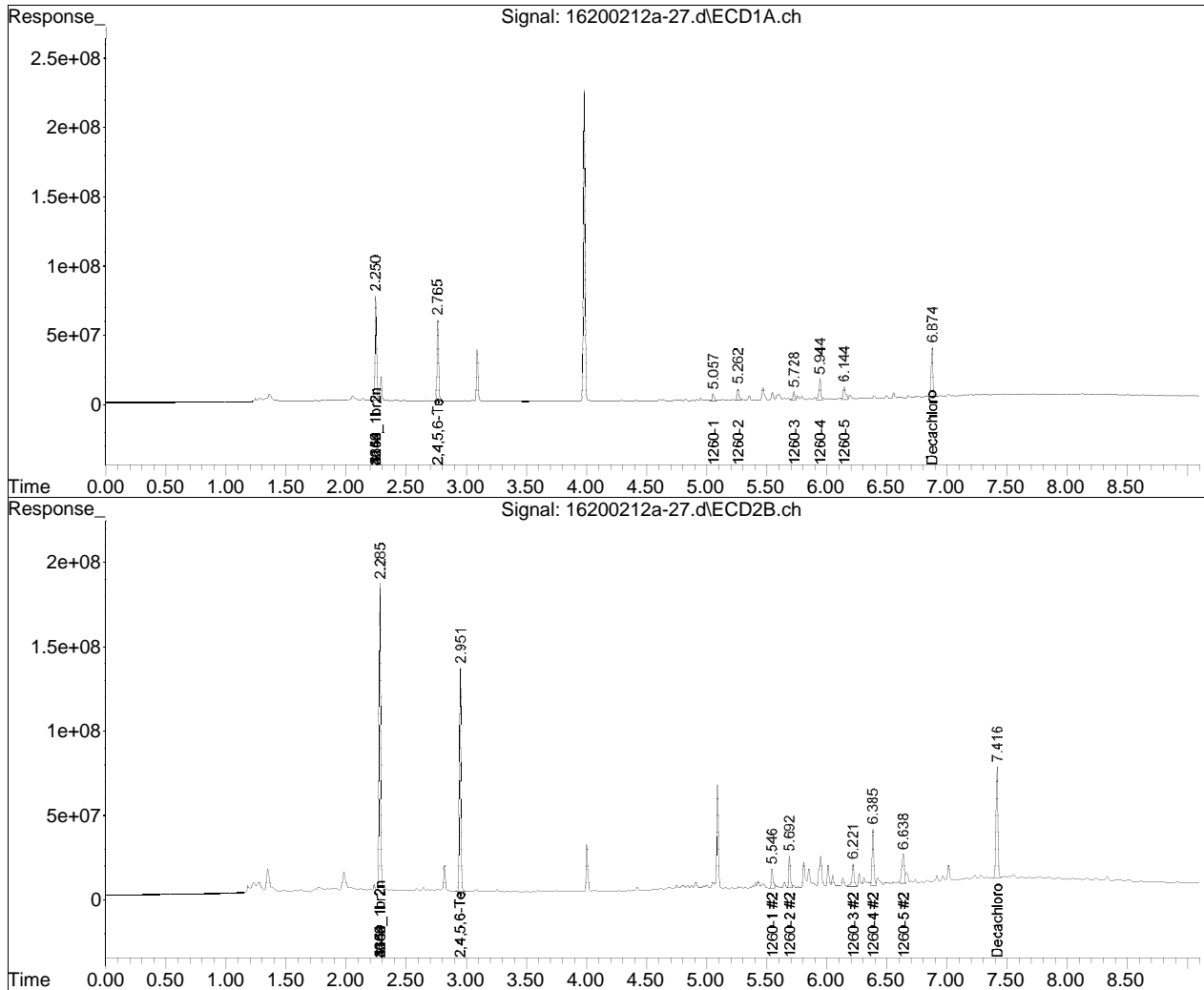
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-10.d••d)

Data Path : I:\Pest16\200212A\
Data File : 16200212a-27.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Feb 2020 2:37 am
Operator : pest16:ht
Sample : L2005778-29,42e,,
Misc : wg1340106,wg1339310,ical16473
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 14 00:11:16 2020
Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

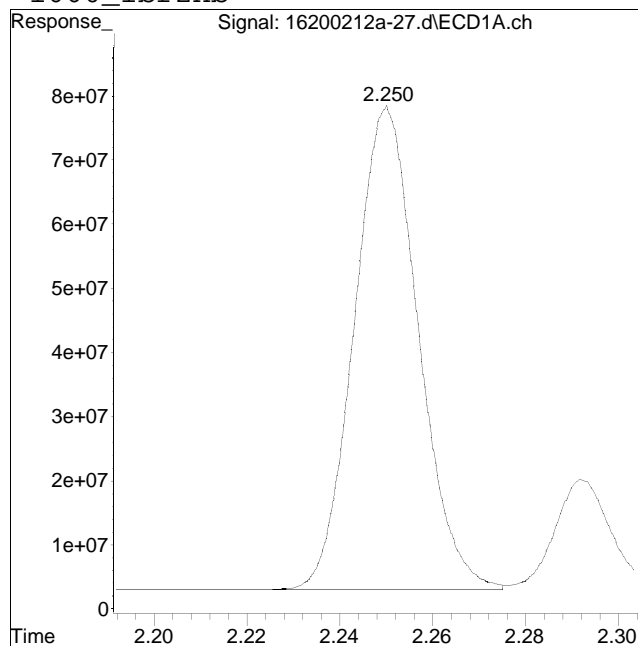
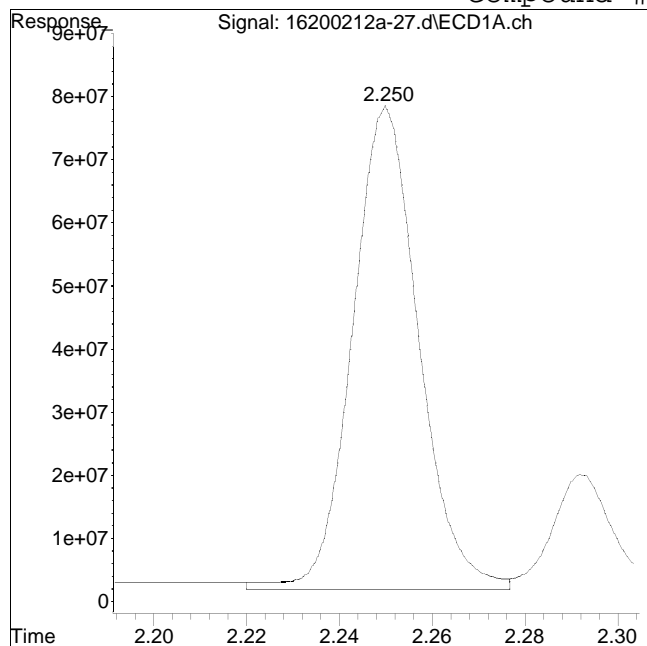


Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-27.d
Date Inj'd : 2/13/2020 2:37 am
Sample : L2005778-29,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #1: 1660_1br2nb



Original Peak Response = 761462196

Manual Peak Response = 723587721 M4

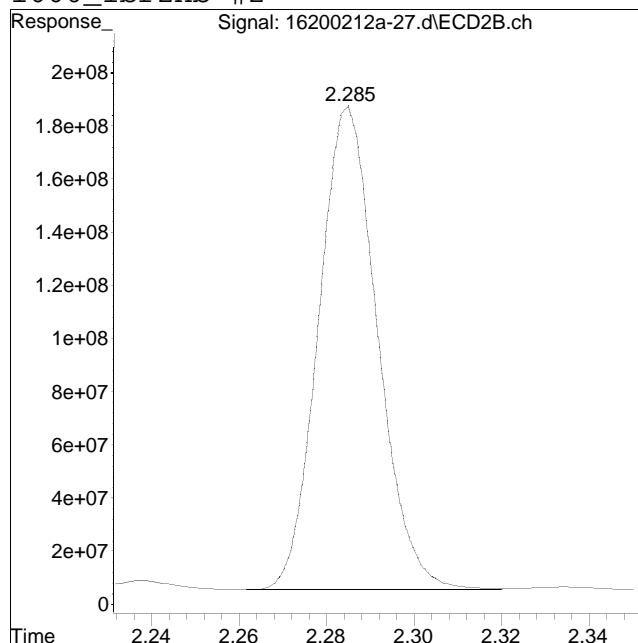
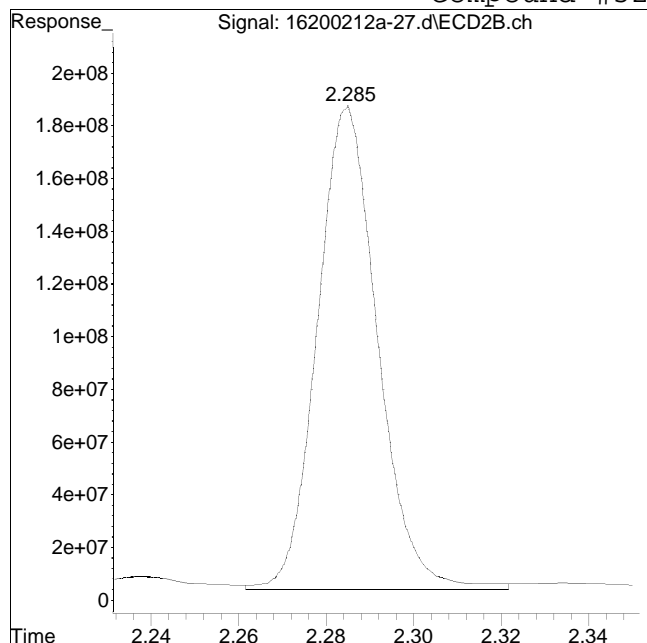
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-27.d
Date Inj'd : 2/13/2020 2:37 am
Sample : L2005778-29,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 1759630955

Manual Peak Response = 1701914446 M4

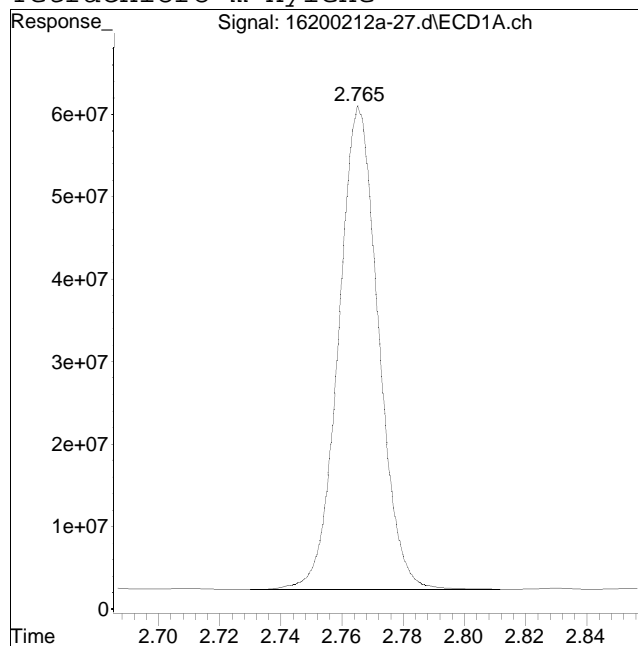
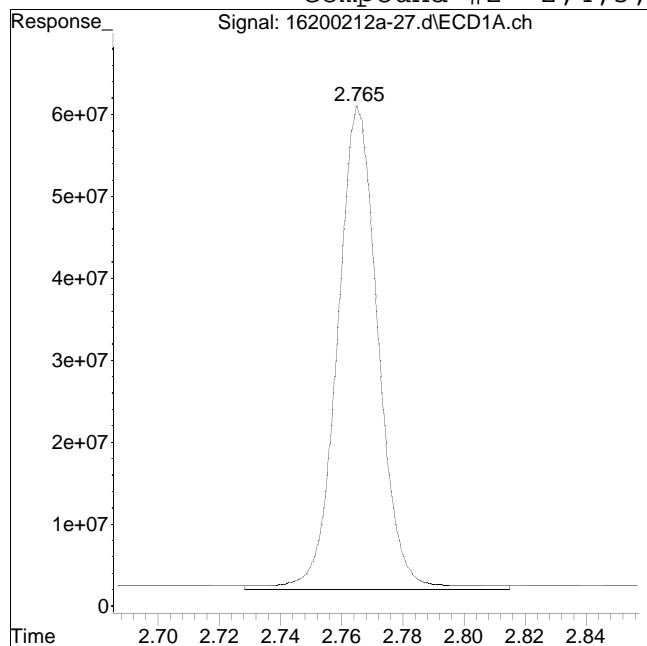
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-27.d
Date Inj'd : 2/13/2020 2:37 am
Sample : L2005778-29,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 550273217

Manual Peak Response = 531469573 M4

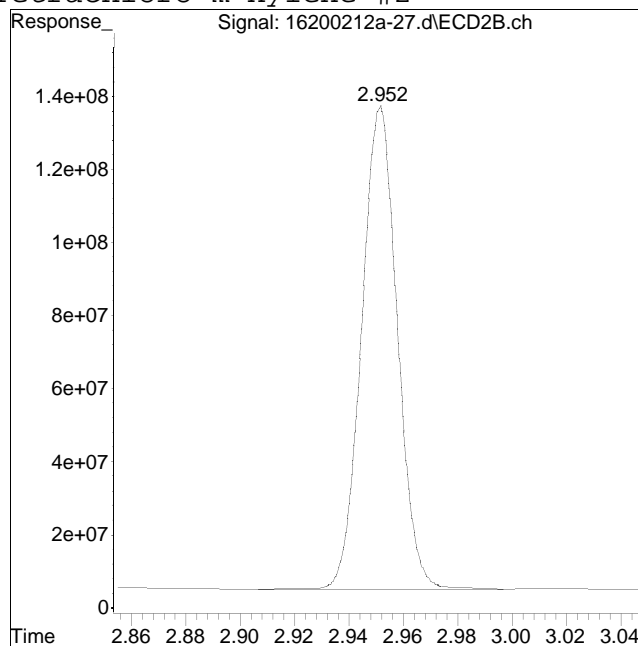
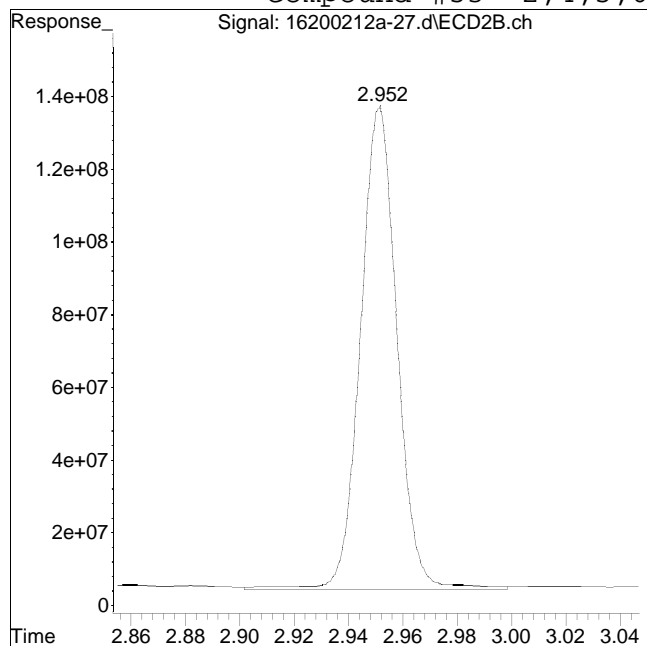
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-27.d
Date Inj'd : 2/13/2020 2:37 am
Sample : L2005778-29,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 1252206678

Manual Peak Response = 1210901936 M4

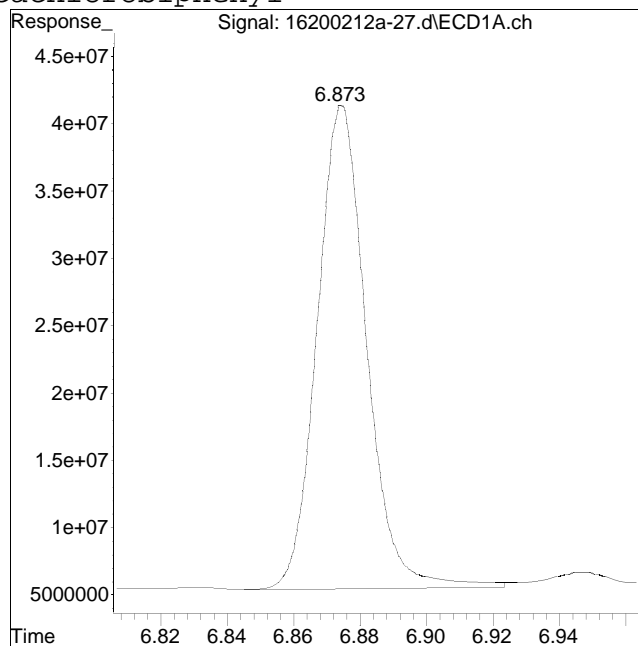
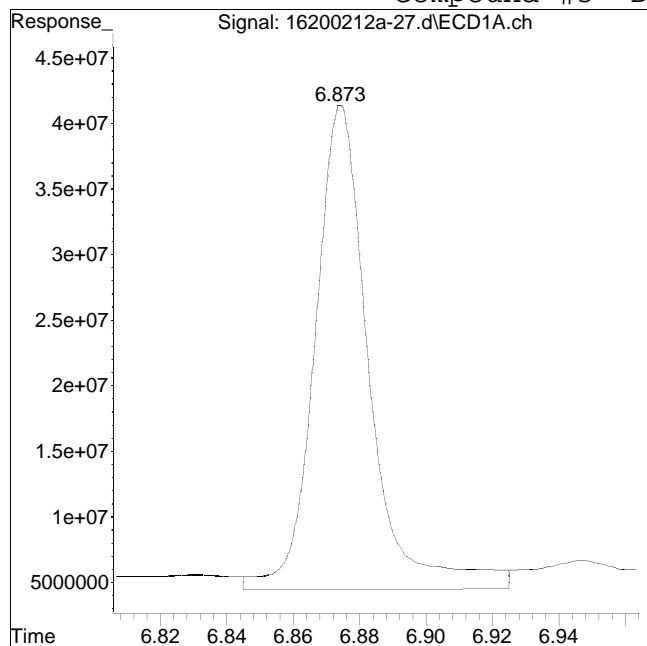
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-27.d
Date Inj'd : 2/13/2020 2:37 am
Sample : L2005778-29,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 419421418

Manual Peak Response = 371645922 M4

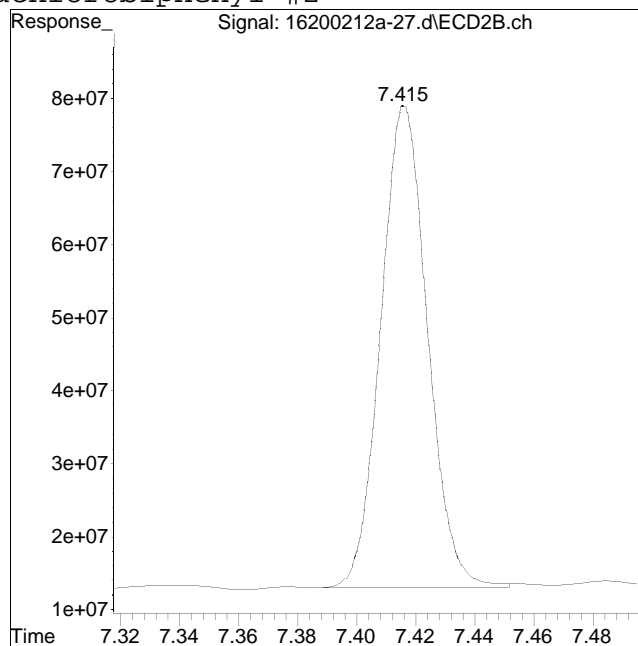
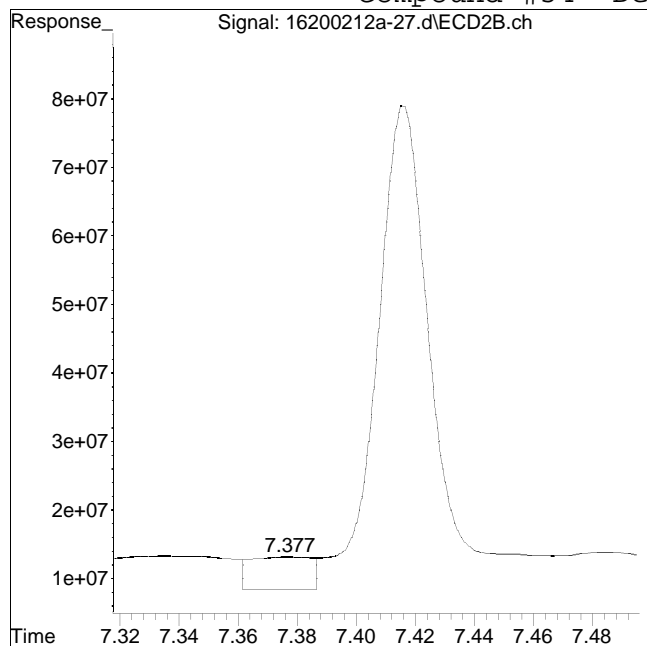
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-27.d
Date Inj'd : 2/13/2020 2:37 am
Sample : L2005778-29,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 67329096

Manual Peak Response = 724497925 M4

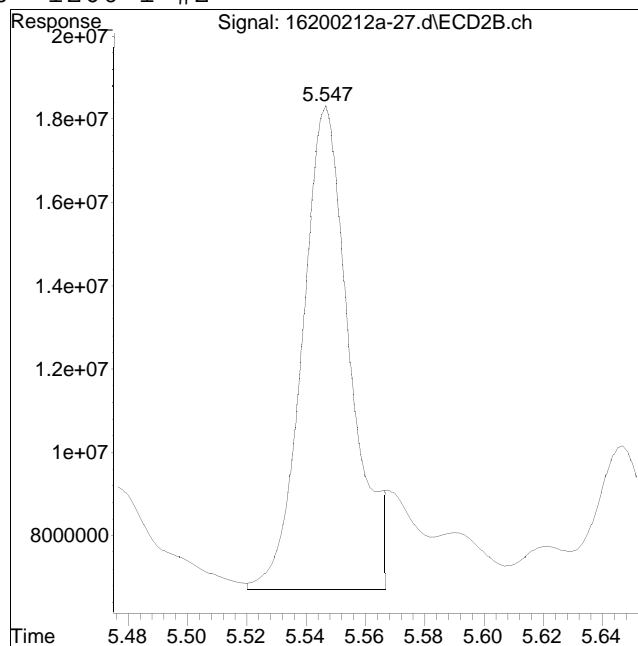
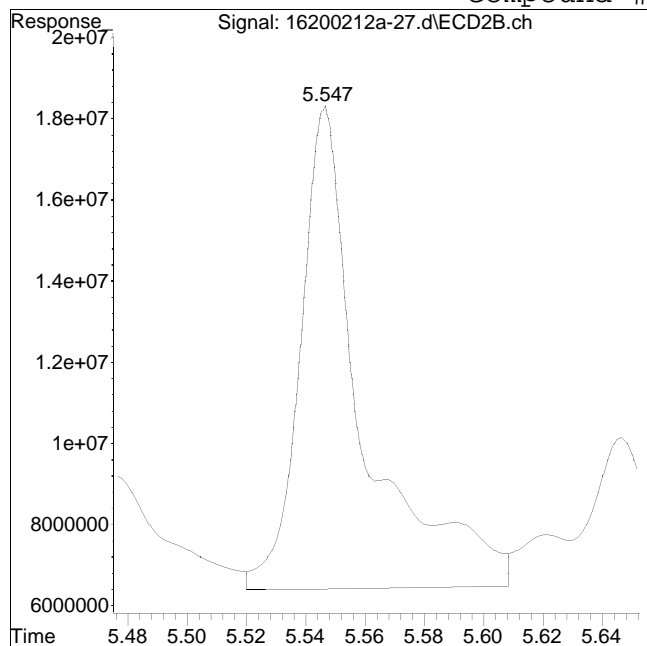
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-27.d
Date Inj'd : 2/13/2020 2:37 am
Sample : L2005778-29,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #60: 1260-1 #2



Original Peak Response = 176262900

Manual Peak Response = 127197775 M4

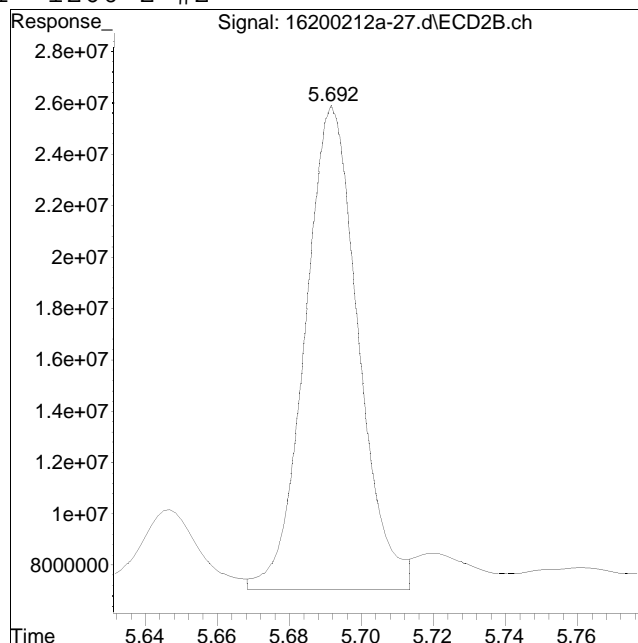
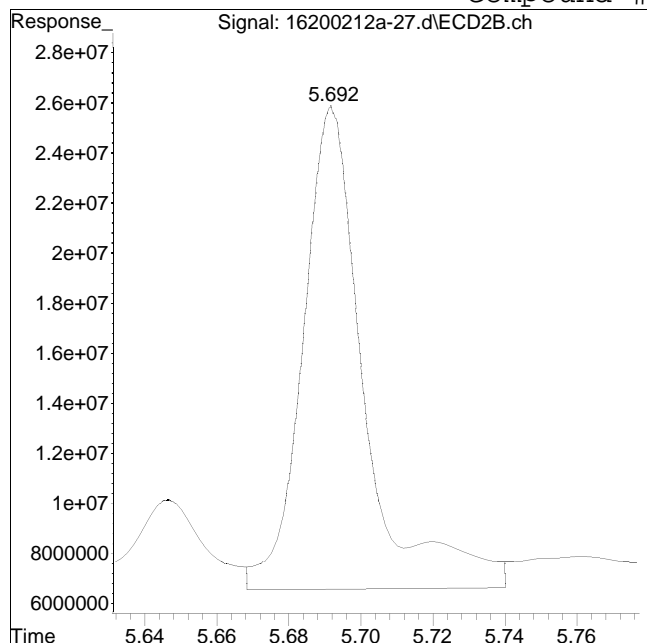
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-27.d
Date Inj'd : 2/13/2020 2:37 am
Sample : L2005778-29,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #61: 1260-2 #2



Original Peak Response = 229861705

Manual Peak Response = 193700640 M4

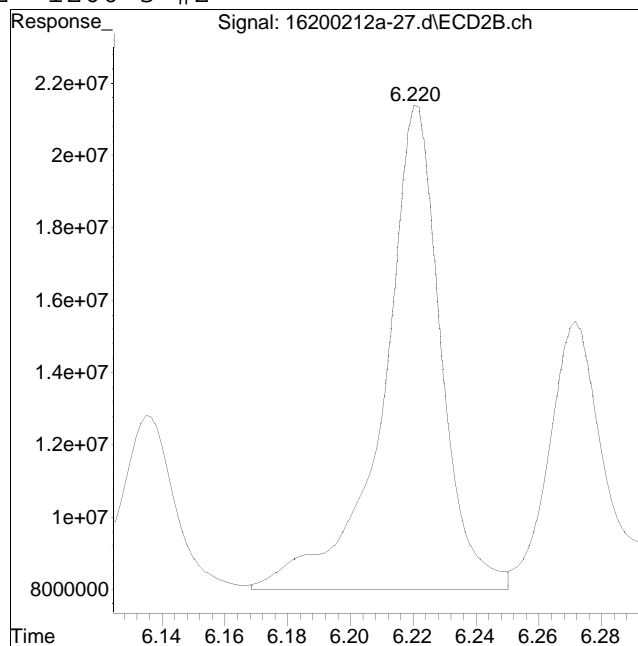
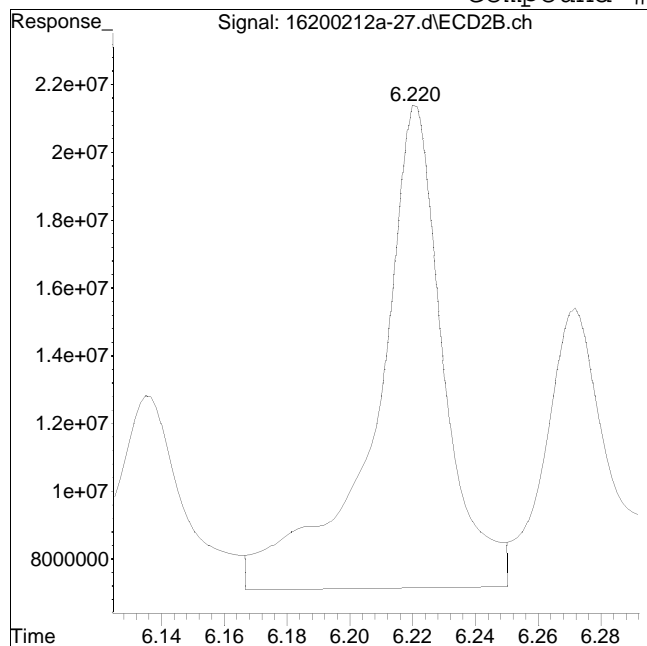
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-27.d
Date Inj'd : 2/13/2020 2:37 am
Sample : L2005778-29,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #62: 1260-3 #2



Original Peak Response = 214528706

Manual Peak Response = 173019714 M4

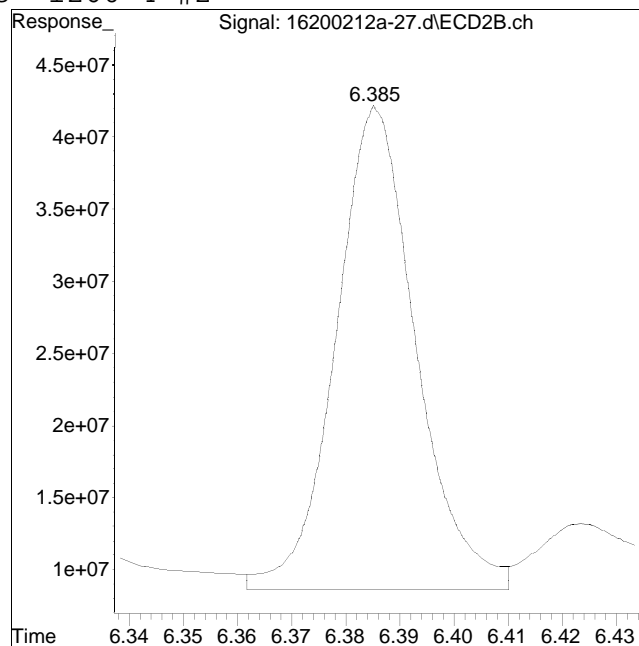
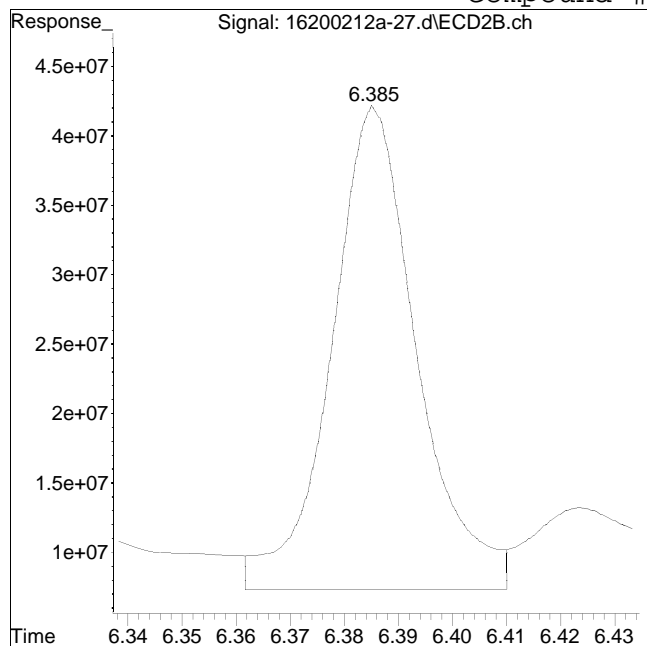
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-27.d
Date Inj'd : 2/13/2020 2:37 am
Sample : L2005778-29,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #63: 1260-4 #2



Original Peak Response = 381437773

Manual Peak Response = 346509845 M3

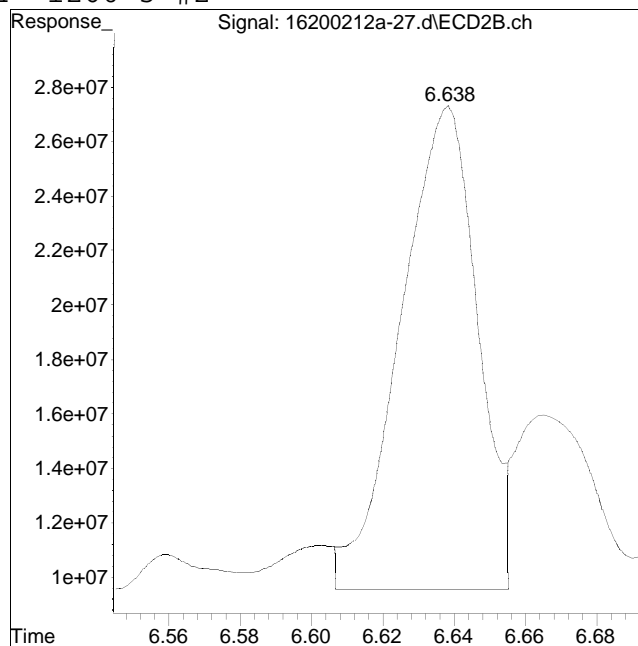
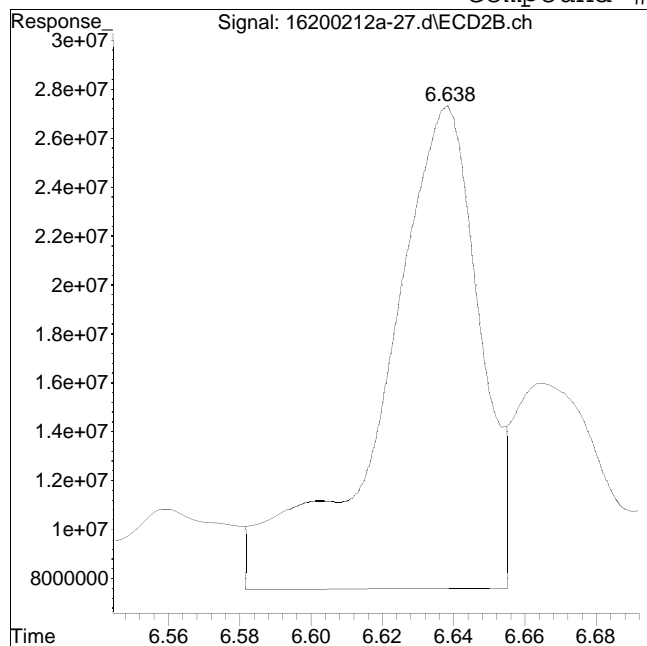
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-27.d
Date Inj'd : 2/13/2020 2:37 am
Sample : L2005778-29,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #64: 1260-5 #2



Original Peak Response = 370017398

Manual Peak Response = 260814558 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-28.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:49 am
 Operator : pest16:ht
 Sample : L2005778-32,42e,,
 Misc : wgl340106,wgl339310,ical16473
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:12:09 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.250	2.284	727.6E6	1698.1E6	250.000	250.000M4
Standard Area 1 : #1 = 744934323					Recovery =	97.68%
Standard Area 1 : #2 = 1756701501					Recovery =	96.66%
14) i 2154_1br2nb	2.250	2.284	727.6E6	1698.1E6	250.000	250.000M4
23) i 4268_1br2nb	2.250	2.284	727.6E6	1698.1E6	250.000	250.000M4
34) i 1248_1br2nb	2.250	2.284	727.6E6	1698.1E6	250.000	250.000M4
40) i 3262_1br2nb	2.250	2.284	727.6E6	1698.1E6	250.000	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.766	2.952	940.0E6	2102.4E6	277.425	274.470
Spiked Amount 500.000	Range 30 - 150		Recovery =		55.49%	54.89%
3) s Decachlorobi	6.873	7.414	666.5E6	1269.7E6	280.018	295.777M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		56.00%	59.16%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.056	5.546	232.8E6	563.6E6	1428.728	1650.752M4
10) l2 1260-2	5.261	5.691	539.3E6	1026.8E6	2153.822	2581.535M4
11) l2 1260-3	5.728	6.221	321.6E6	743.7E6	2053.084	2345.735M4
12) l2 1260-4	5.943	6.385	809.2E6	1639.4E6	2213.786	2479.540M4
13) l2 1260-5	6.143	6.637	552.9E6	1098.3E6	2309.303	2460.003M4
Sum 1260-1			2455.9E6	5071.8E6	10158.723	11517.563
Average 1260-1					2031.745	2303.513

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-28.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:49 am
 Operator : pest16:ht
 Sample : L2005778-32,42e,,
 Misc : wgl1340106,wgl1339310,ical16473
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:12:09 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200212A\
 Data File : 16200212a-28.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 2:49 am
 Operator : pest16:ht
 Sample : L2005778-32,42e,,
 Misc : wgl340106,wgl339310,ical16473
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:12:09 2020
 Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200212A\16200212a-10.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

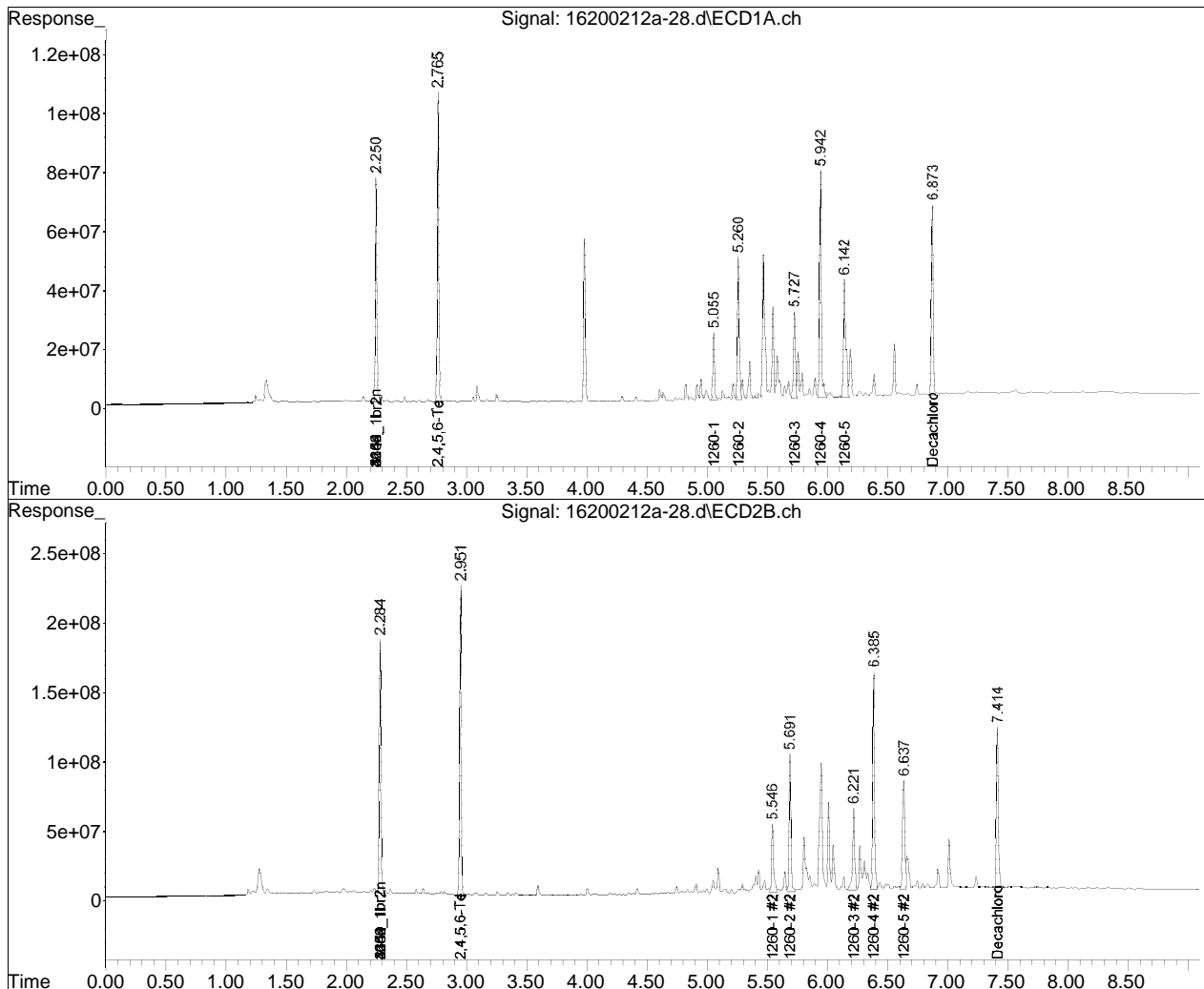
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-10.d••d)

Data Path : I:\Pest16\200212A\
Data File : 16200212a-28.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Feb 2020 2:49 am
Operator : pest16:ht
Sample : L2005778-32,42e,,
Misc : wg1340106,wg1339310,ical16473
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 14 00:12:09 2020
Quant Method : I:\Pest16\200212A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

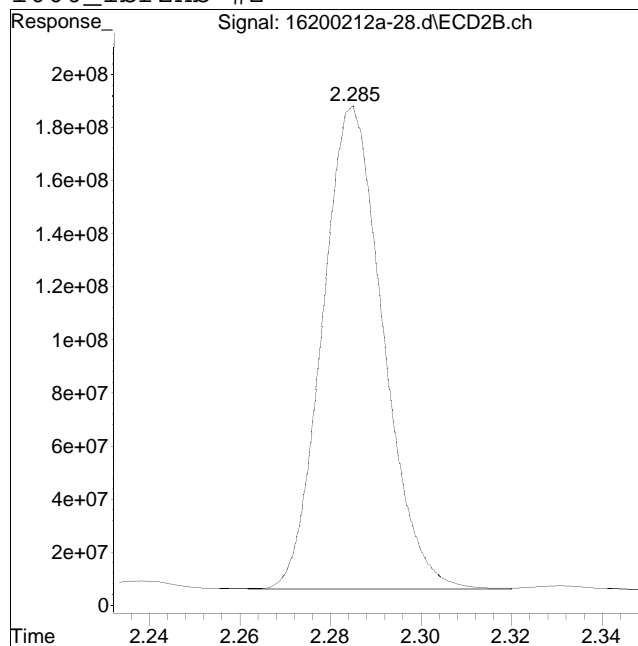
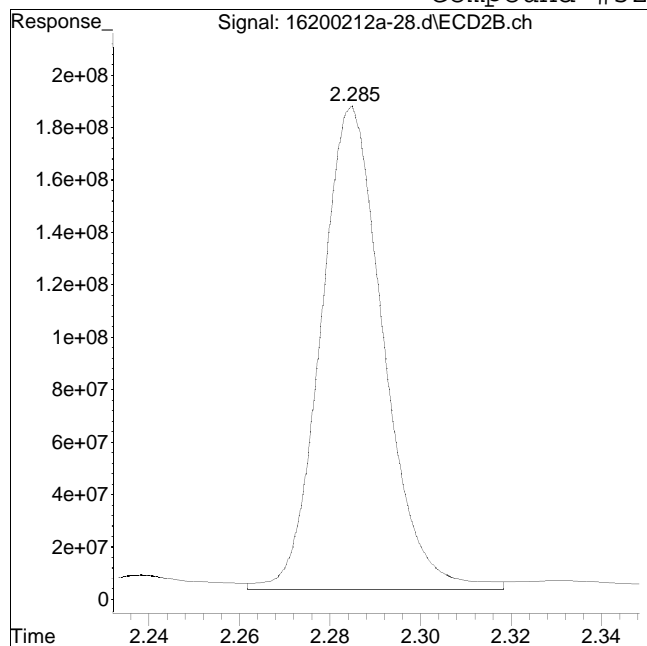


Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-28.d
Date Inj'd : 2/13/2020 2:49 am
Sample : L2005778-32,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 1775957189

Manual Peak Response = 1698106739 M4

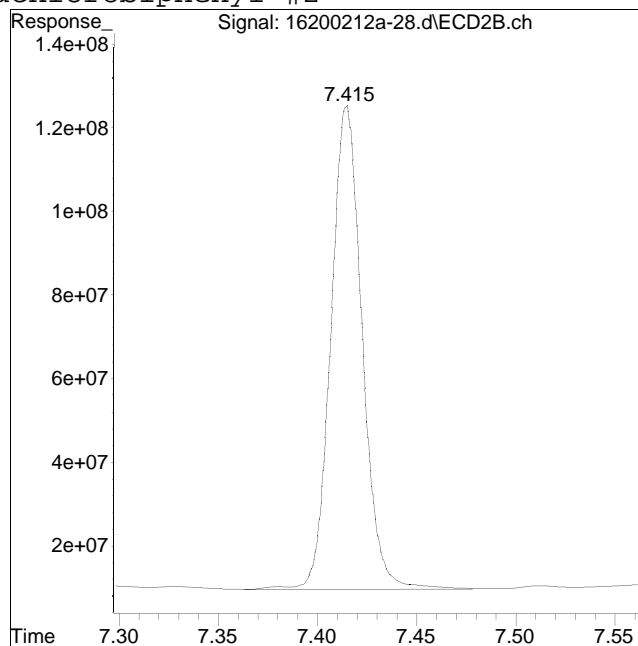
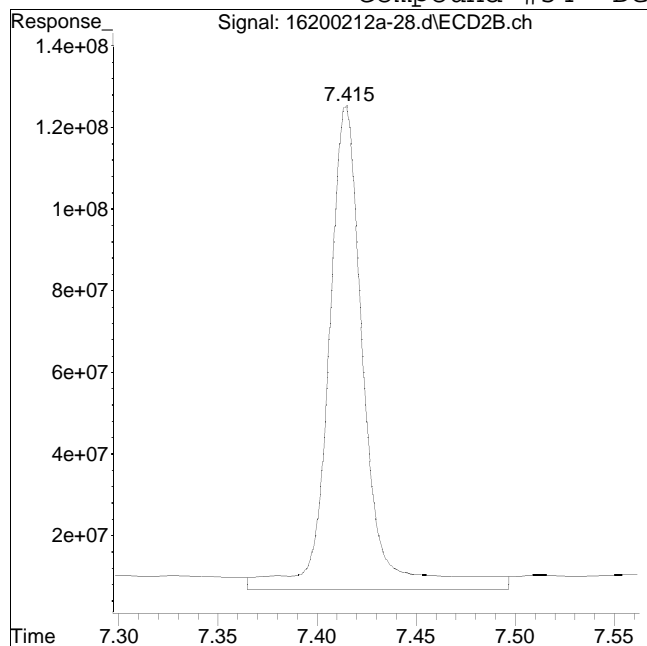
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-28.d
Date Inj'd : 2/13/2020 2:49 am
Sample : L2005778-32,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1495511409

Manual Peak Response = 1269661479 M4

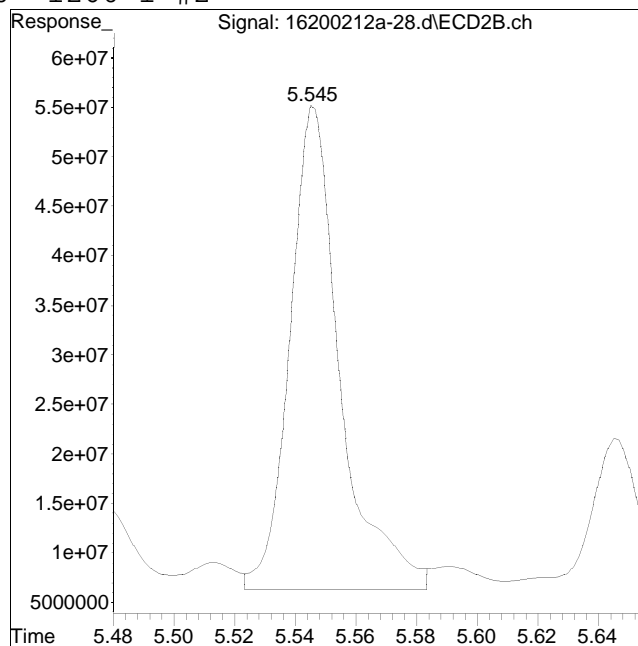
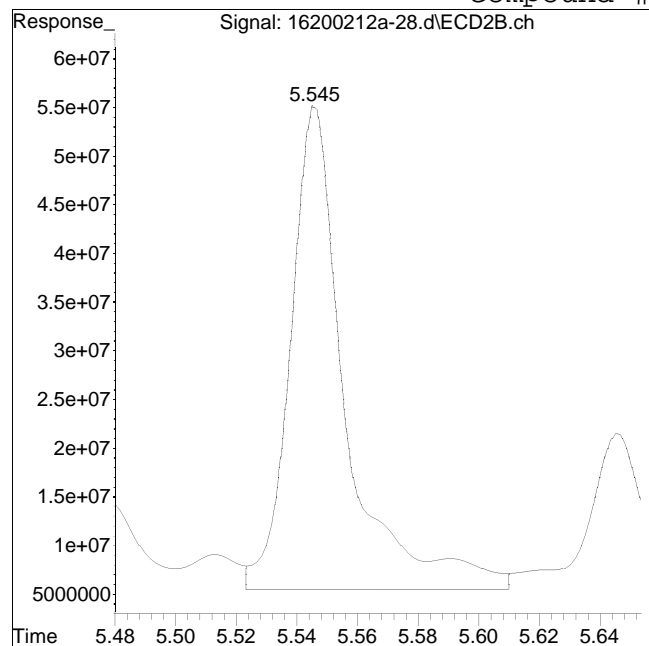
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-28.d
Date Inj'd : 2/13/2020 2:49 am
Sample : L2005778-32,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #60: 1260-1 #2



Original Peak Response = 632203630

Manual Peak Response = 563617001 M4

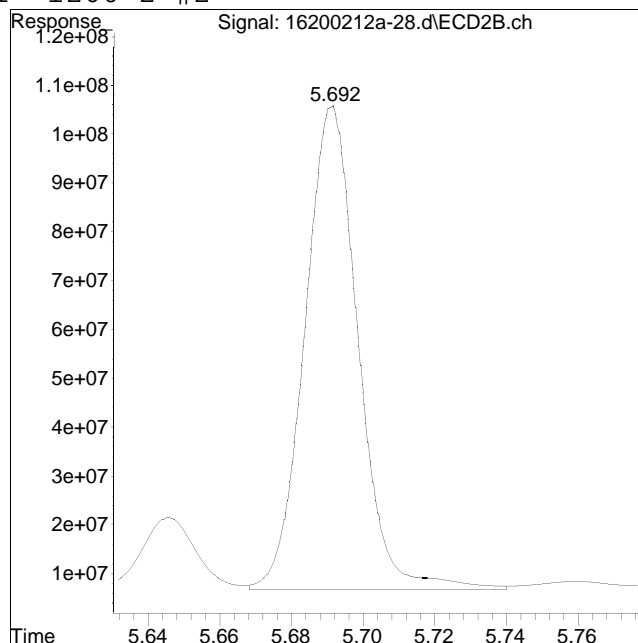
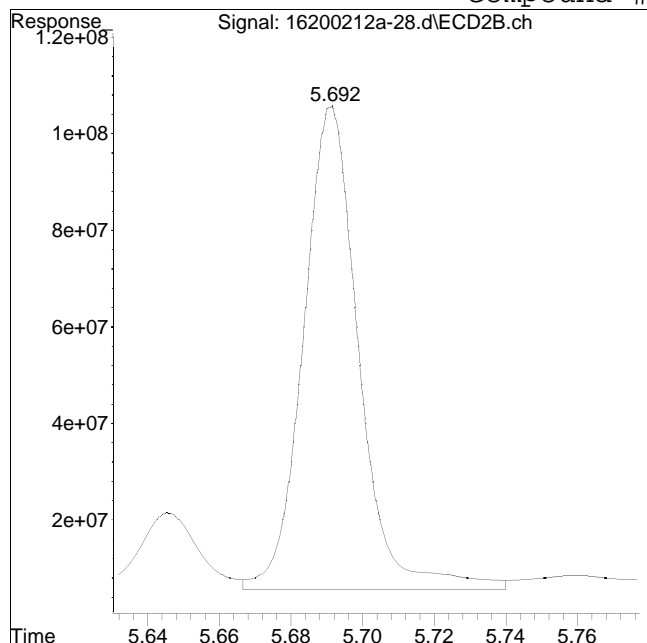
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-28.d
Date Inj'd : 2/13/2020 2:49 am
Sample : L2005778-32,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #61: 1260-2 #2



Original Peak Response = 1078007441

Manual Peak Response = 1026844475 M4

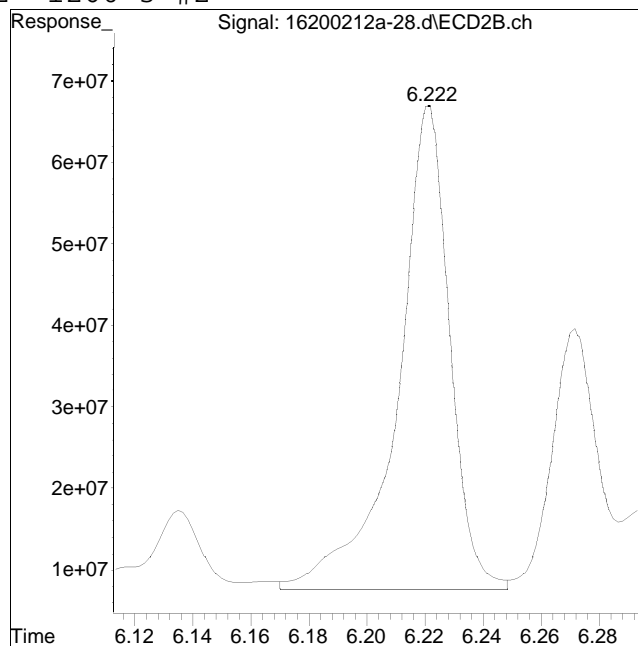
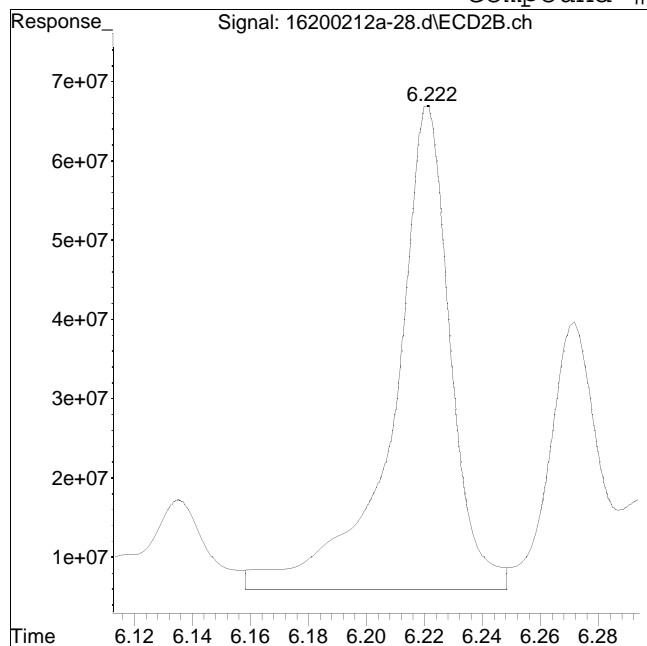
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-28.d
Date Inj'd : 2/13/2020 2:49 am
Sample : L2005778-32,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #62: 1260-3 #2



Original Peak Response = 839594156

Manual Peak Response = 743703741 M4

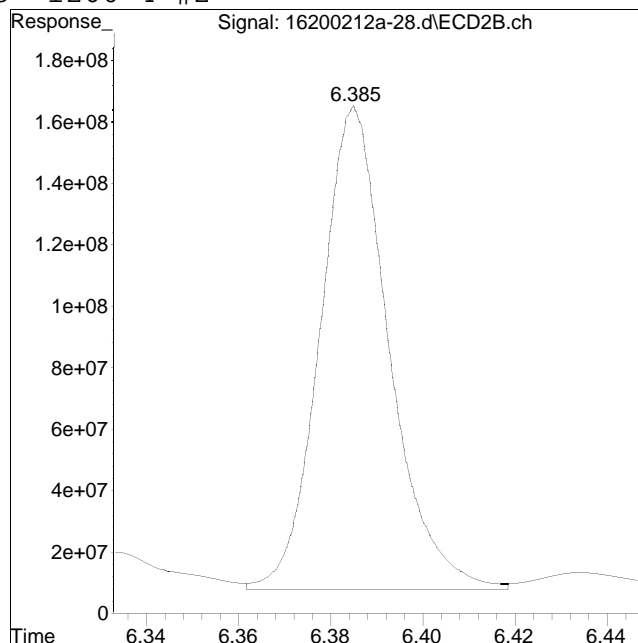
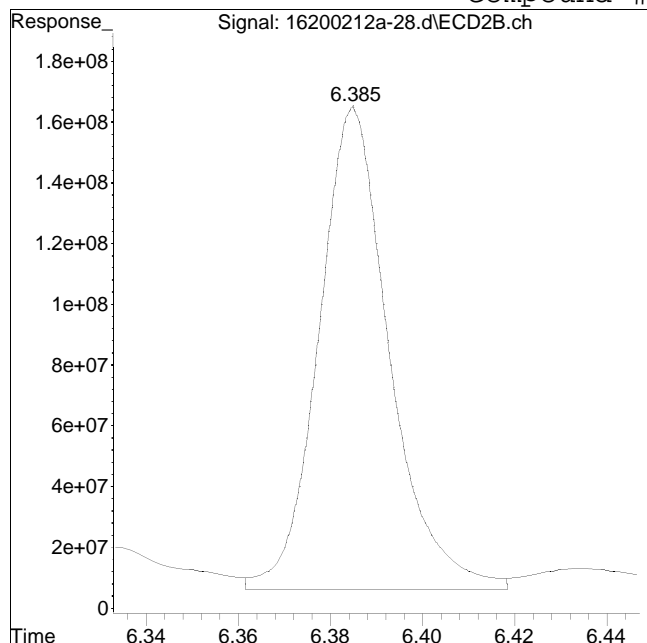
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-28.d
Date Inj'd : 2/13/2020 2:49 am
Sample : L2005778-32,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #63: 1260-4 #2



Original Peak Response = 1696390316

Manual Peak Response = 1639398120 M4

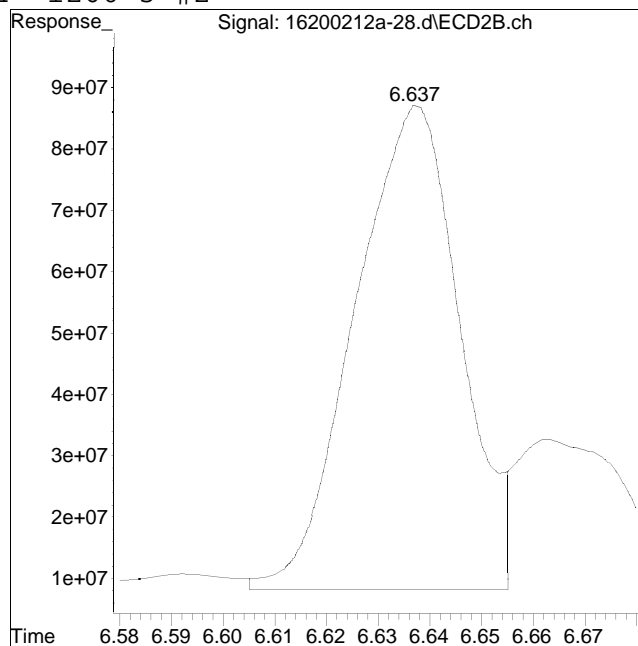
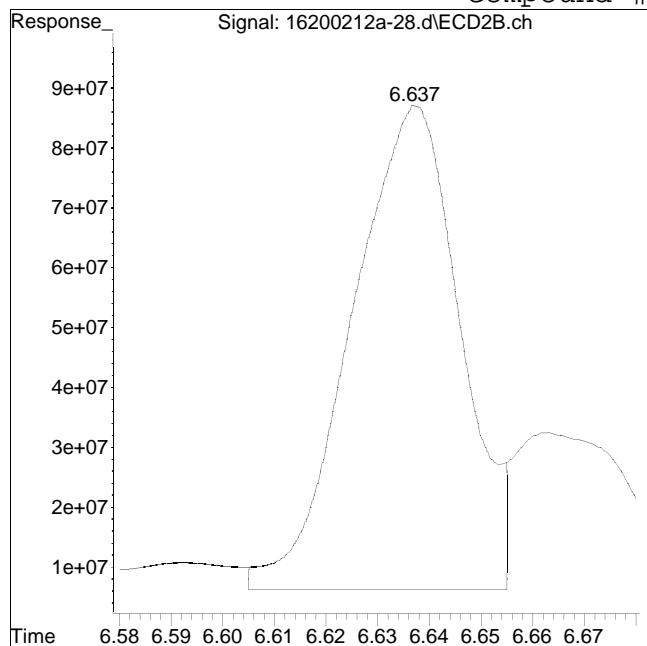
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200212A\
Data File : 16200212a-28.d
Date Inj'd : 2/13/2020 2:49 am
Sample : L2005778-32,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:ht
Instrument : PEST16
Quant Date : 2/13/2020 9:03 am

Compound #64: 1260-5 #2



Original Peak Response = 1169452136

Manual Peak Response = 1098265676 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200212b\
 Data File : 19200212b-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Feb 2020 03:17 pm
 Operator : pest19:aws
 Sample : l2005778-16d,42e,400,
 Misc : wgl1339876,wgl1339142,ical16321
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 17:08:37 2020
 Quant Method : I:\Pest19\200212b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200212b\19200212b-01.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.989	1.032	30261020	43460376	250.000	250.000
Standard Area 1 : #1 = 31424006					Recovery =	96.30%
Standard Area 1 : #2 = 44406671					Recovery =	97.87%
14) i 2154_1br2nb	0.989	1.032	30261020	43460376	250.000	250.000
23) i 4268_1br2nb	0.989	1.032	30261020	43460376	250.000	250.000
34) i 1248_1br2nb	0.989	1.032	30261020	43460376	250.000	250.000
40) i 3262_1br2nb	0.989	1.032	30261020	43460376	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.562f	2.949f	15539577	21363552	1948.426	1827.345
10) l2 1260-2	2.706f	3.063f	24614080	26980423	2052.567M2	1966.661
11) l2 1260-3	3.049f	3.480f	15312997	23282732	1962.280M2	1947.099
12) l2 1260-4	3.219f	3.621f	33215072	47887141	2024.206M2	1903.059M2
13) l2 1260-5	3.376f	3.832f	24921258	34224829	2101.839M1	1957.912M2
Sum 1260-1			113.6E6	153.7E6	10089.318	9602.076

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200212b\
 Data File : 19200212b-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Feb 2020 03:17 pm
 Operator : pest19:aws
 Sample : l2005778-16d,42e,400,
 Misc : wg1339876,wg1339142,ical16321
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 17:08:37 2020
 Quant Method : I:\Pest19\200212b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200212b\19200212b-01.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					2017.864	1920.415
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D.
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200212b\
 Data File : 19200212b-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Feb 2020 03:17 pm
 Operator : pest19:aws
 Sample : l2005778-16d,42e,400,
 Misc : wgl1339876,wgl1339142,ical16321
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 17:08:37 2020
 Quant Method : I:\Pest19\200212b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200212b\19200212b-01.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200212b\
 Data File : 19200212b-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Feb 2020 03:17 pm
 Operator : pest19:aws
 Sample : l2005778-16d,42e,400,
 Misc : wg1339876,wg1339142,ical16321
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 17:08:37 2020
 Quant Method : I:\Pest19\200212b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200212b\19200212b-01.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

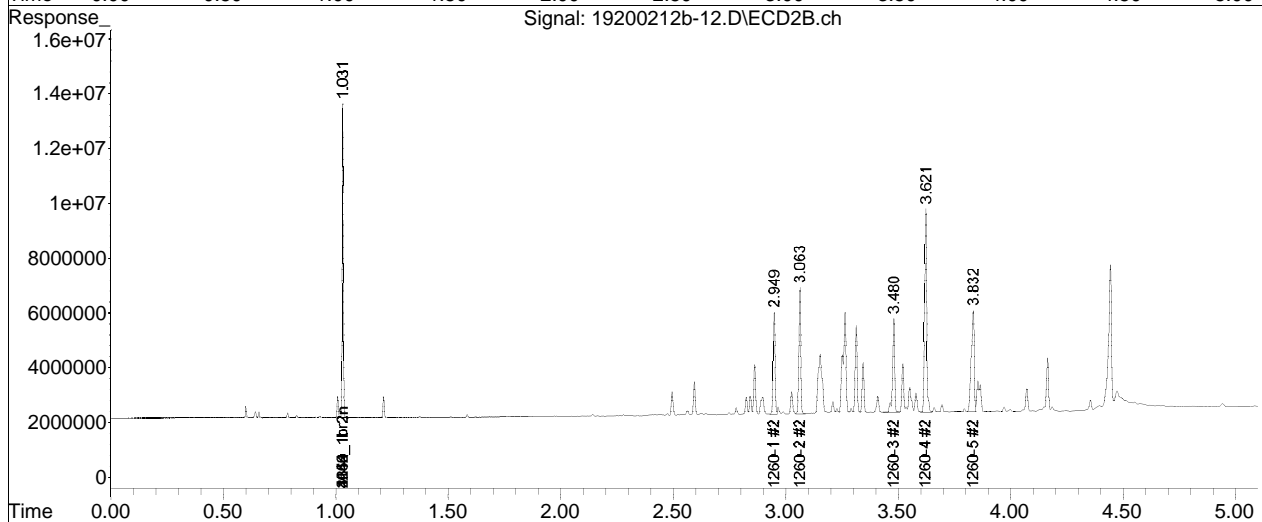
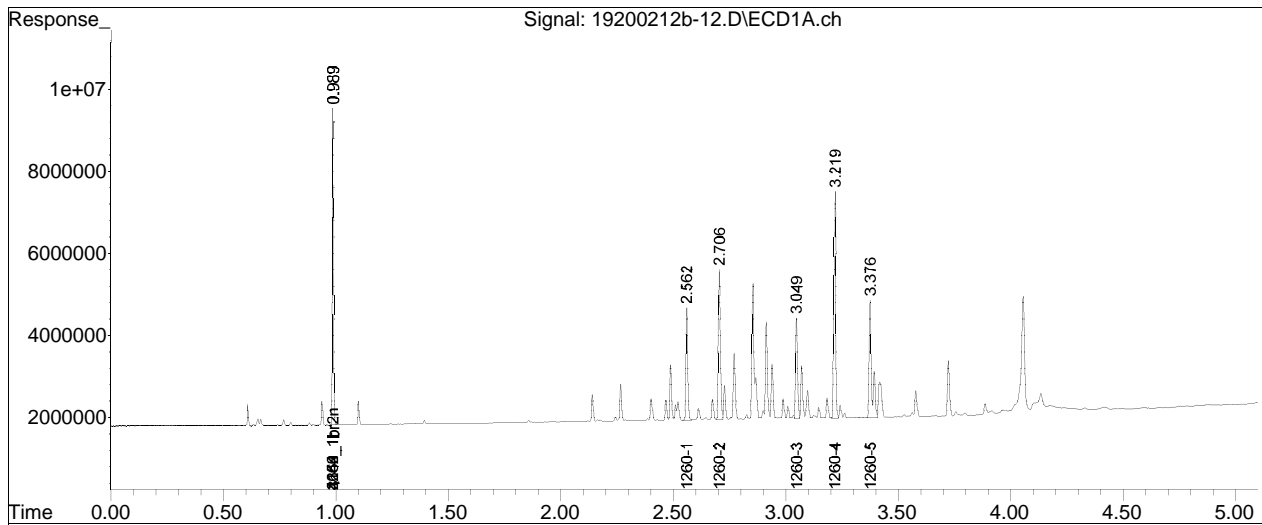
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listedb-01.D••d)

Data Path : I:\Pest19\200212b\
Data File : 19200212b-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Feb 2020 03:17 pm
Operator : pest19:aws
Sample : 12005778-16d,42e,400,
Misc : wg1339876,wg1339142,ical16321
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 17:08:37 2020
Quant Method : I:\Pest19\200212b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sat Feb 01 09:36:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

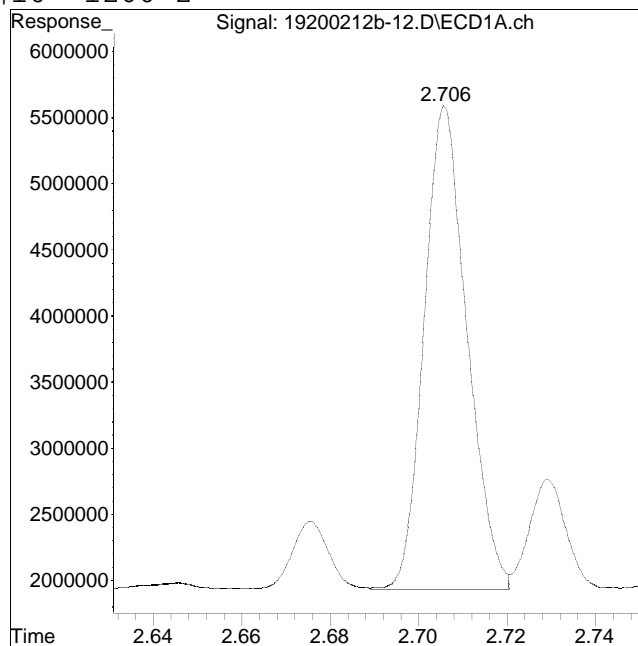
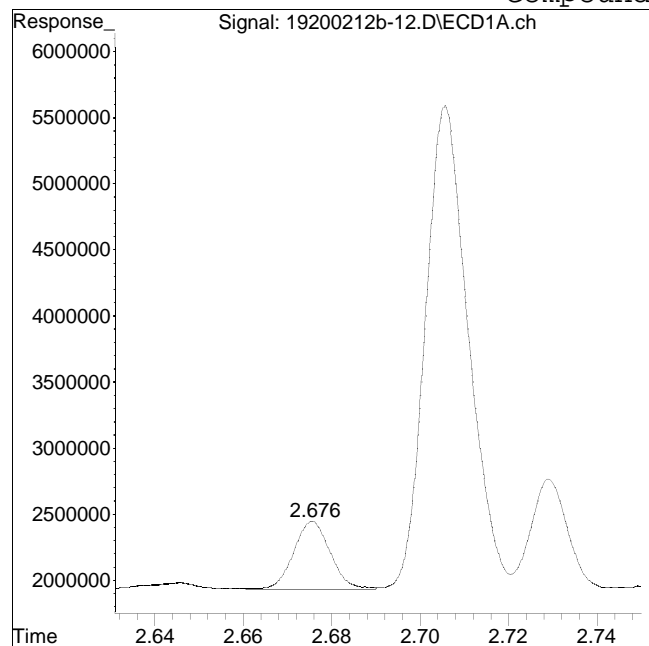


Manual Integration Report

Data Path : I:\Pest19\200212b\
Data File : 19200212b-12.D
Date Inj'd : 2/12/2020 3:17 pm
Sample : 12005778-16d,42e,400,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/13/2020 4:56 pm

Compound #10: 1260-2



Original Peak Response = 3011563

Manual Peak Response = 24614080 M2

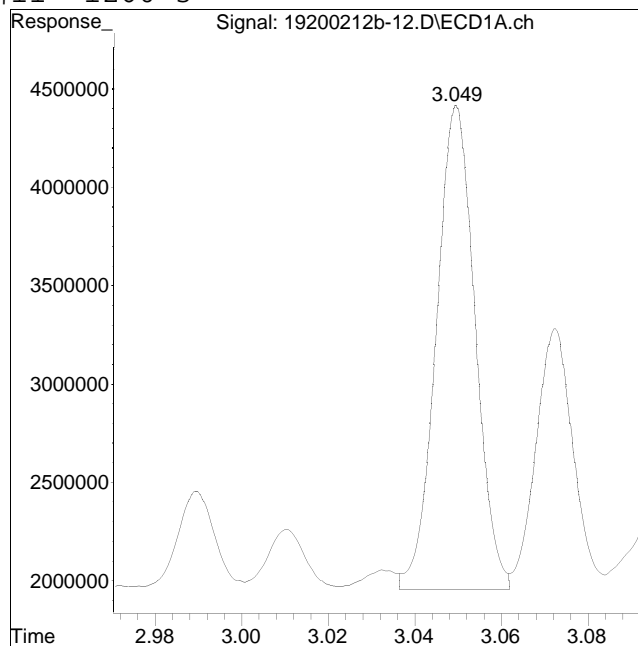
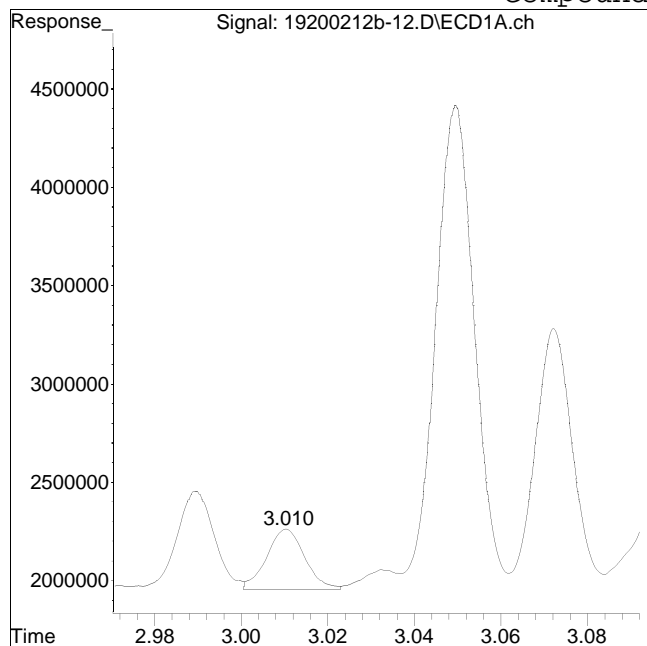
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200212b\
Data File : 19200212b-12.D
Date Inj'd : 2/12/2020 3:17 pm
Sample : 12005778-16d,42e,400,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/13/2020 4:56 pm

Compound #11: 1260-3



Original Peak Response = 1883196

Manual Peak Response = 15312997 M2

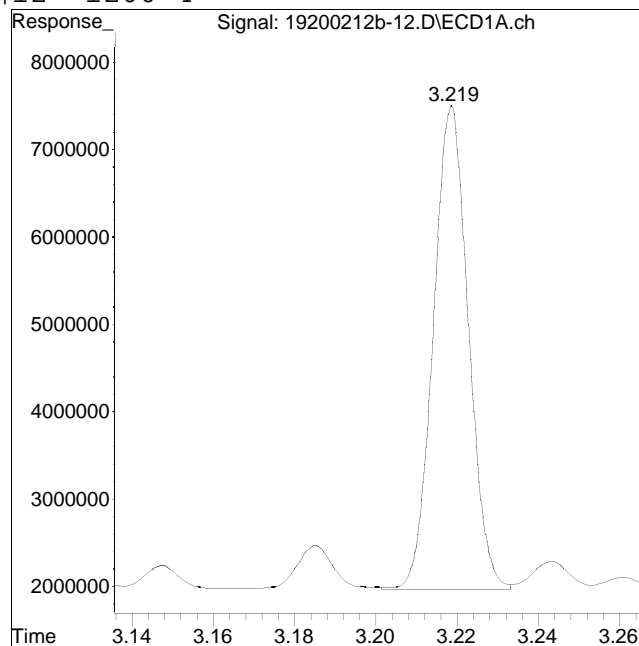
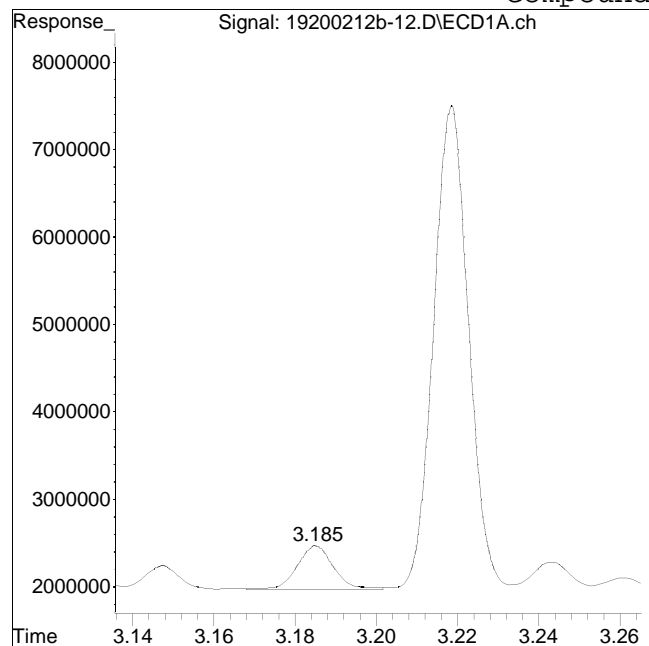
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200212b\
Data File : 19200212b-12.D
Date Inj'd : 2/12/2020 3:17 pm
Sample : 12005778-16d,42e,400,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/13/2020 4:56 pm

Compound #12: 1260-4



Original Peak Response = 3172658

Manual Peak Response = 33215072 M2

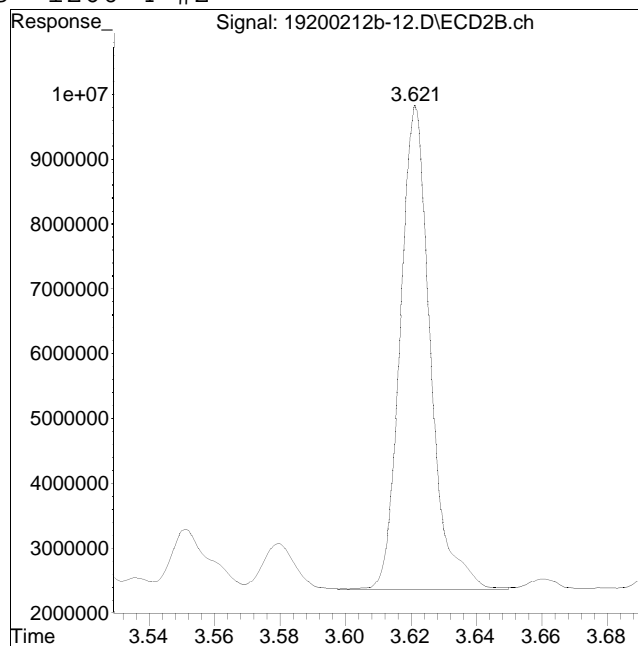
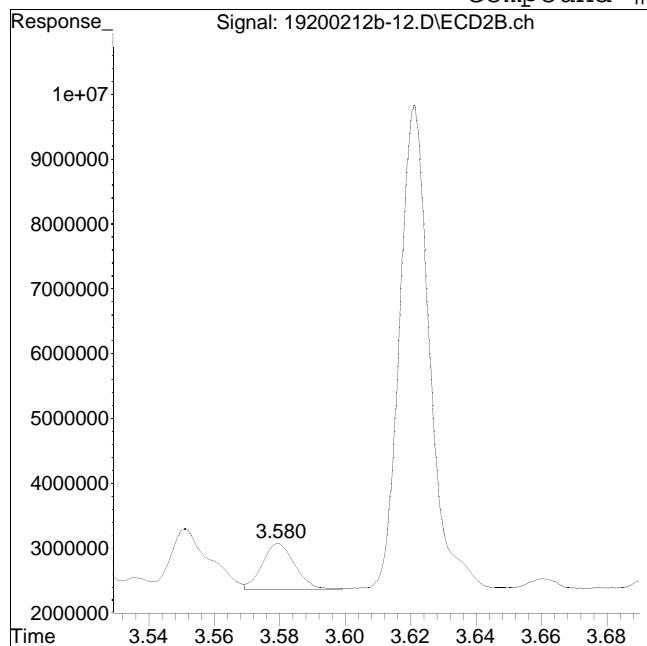
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200212b\
Data File : 19200212b-12.D
Date Inj'd : 2/12/2020 3:17 pm
Sample : 12005778-16d,42e,400,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/13/2020 4:56 pm

Compound #63: 1260-4 #2



Original Peak Response = 5045809

Manual Peak Response = 47887141 M2

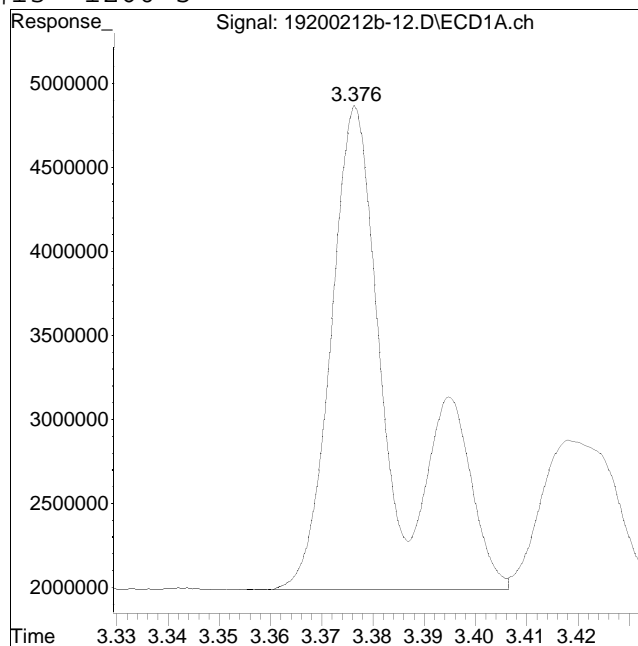
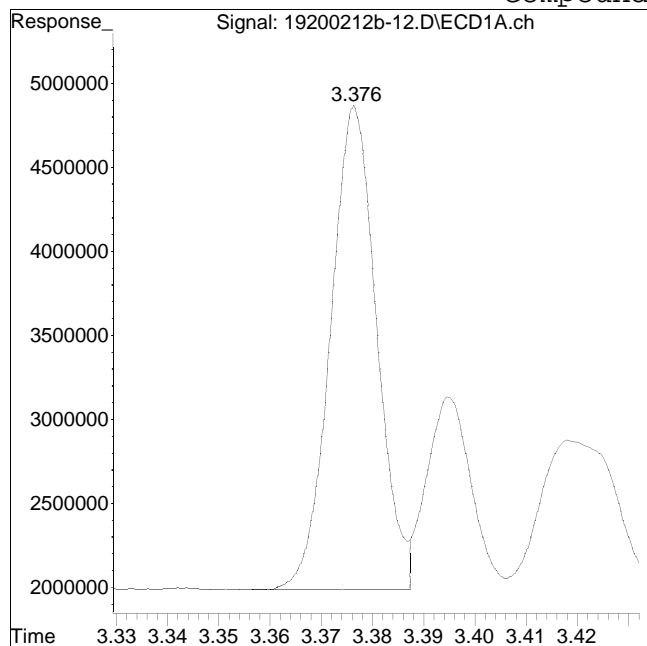
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200212b\
Data File : 19200212b-12.D
Date Inj'd : 2/12/2020 3:17 pm
Sample : 12005778-16d,42e,400,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/13/2020 4:56 pm

Compound #13: 1260-5



Original Peak Response = 17924700

Manual Peak Response = 24921258 M1

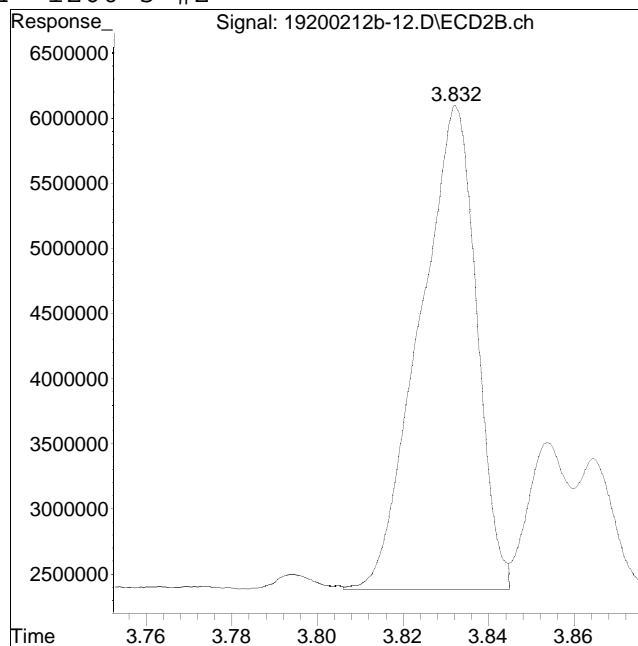
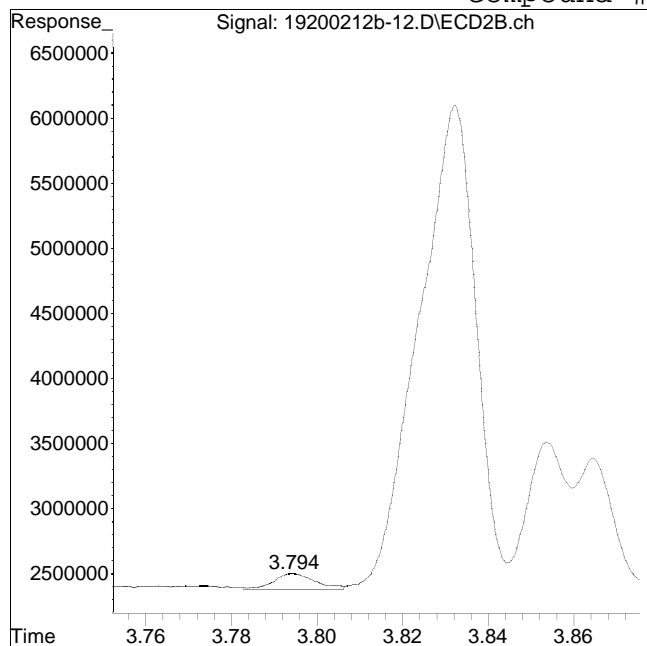
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200212b\
Data File : 19200212b-12.D
Date Inj'd : 2/12/2020 3:17 pm
Sample : 12005778-16d,42e,400,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/13/2020 4:56 pm

Compound #64: 1260-5 #2



Original Peak Response = 842786

Manual Peak Response = 34224829 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:44 am
 Operator : pest19:aws
 Sample : l2005778-08,42e,,re
 Misc : wgl1340785,wgl1340606,ical16321
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 15:00:17 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.034	31781812	44674982	250.000	250.000
Standard Area 1 : #1 = 26726149					Recovery =	118.92%
Standard Area 1 : #2 = 36522977					Recovery =	122.32%
14) i 2154_1br2nb	0.991	1.034	31781812	44674982	250.000	250.000
23) i 4268_1br2nb	0.991	1.034	31781812	44674982	250.000	250.000
34) i 1248_1br2nb	0.991	1.034	31781812	44674982	250.000	250.000
40) i 3262_1br2nb	0.991	1.034	31781812	44674982	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.380	48940279	65407176	295.081	286.651
Spiked Amount 500.000	Range 30 - 150				Recovery =	59.02%
3) s Decachlorobi	4.006	4.517	34084027	45947861	256.195	238.734M2
Spiked Amount 500.000	Range 30 - 150				Recovery =	51.24%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.570	2.957	792115	881680	94.567	73.365M4
10) l2 1260-2	2.715	3.072	1225470	1288904	97.302	91.397M2
11) l2 1260-3	3.058	3.489	718464	813246	87.662	66.161M4
12) l2 1260-4	3.229	3.632	1539862	2377962	89.352	91.932M2
13) l2 1260-5	3.387	3.844	1346639	1614354	108.140M1	89.842M2
Sum 1260-1			5622550	6976147	477.023	412.697
Average 1260-1					95.405	82.539

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:44 am
 Operator : pest19:aws
 Sample : l2005778-08,42e,,re
 Misc : wgl1340785,wgl1340606,ical16321
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 15:00:17 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D.
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D.
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D.	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:44 am
 Operator : pest19:aws
 Sample : l2005778-08,42e,,re
 Misc : wgl1340785,wgl1340606,ical16321
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 15:00:17 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D.
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D.
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:44 am
 Operator : pest19:aws
 Sample : l2005778-08,42e,,re
 Misc : wgl340785,wgl340606,ical16321
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 15:00:17 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

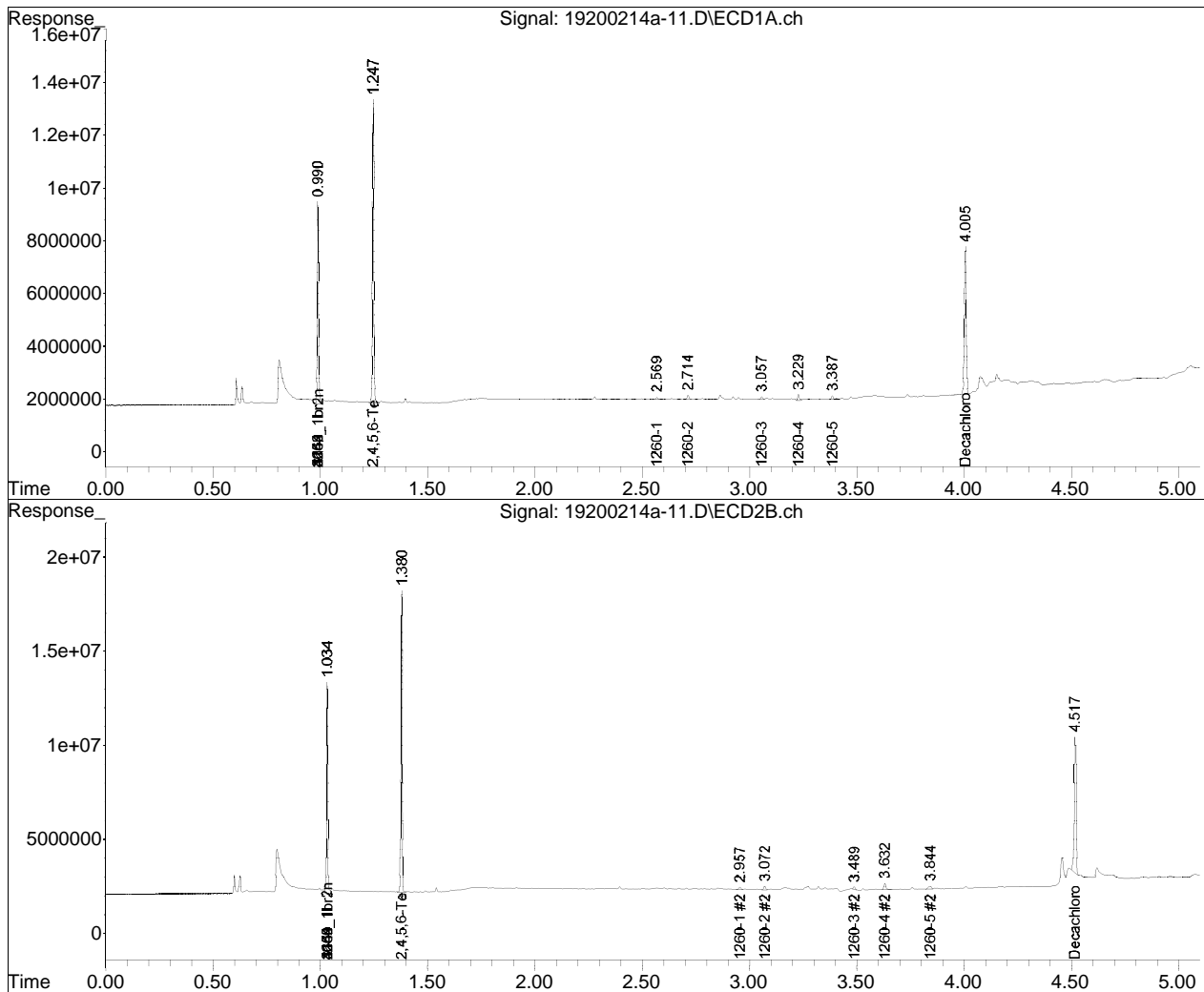
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed(a-02.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 11:44 am
Operator : pest19:aws
Sample : 12005778-08,42e,,re
Misc : wg1340785,wg1340606,ical16321
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 14 15:00:17 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sat Feb 01 09:36:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

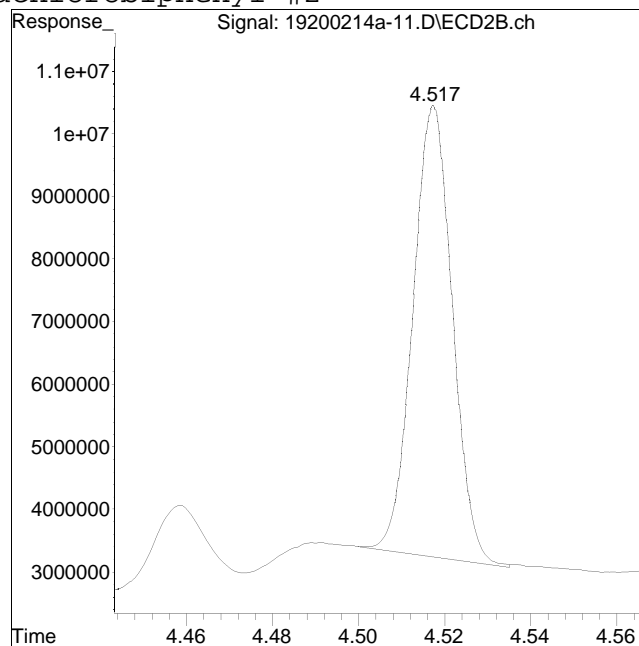
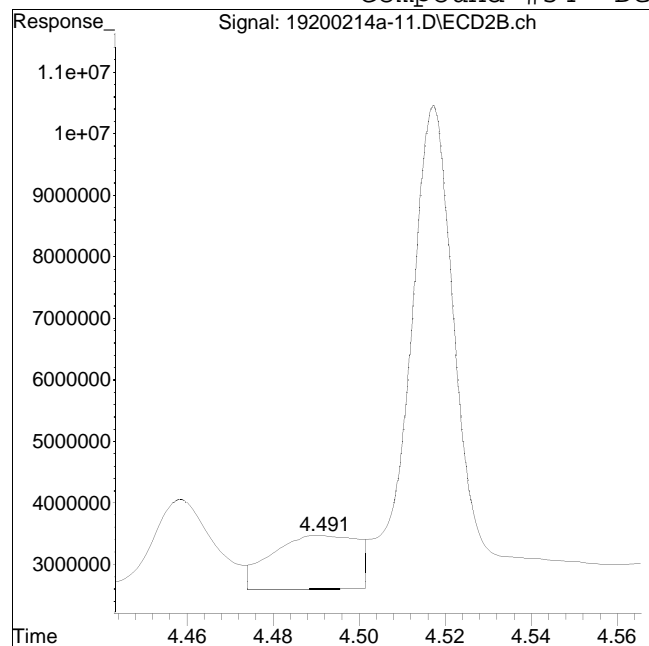


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-11.D
Date Inj'd : 2/14/2020 11:44 am
Sample : 12005778-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 11879831

Manual Peak Response = 45947861 M2

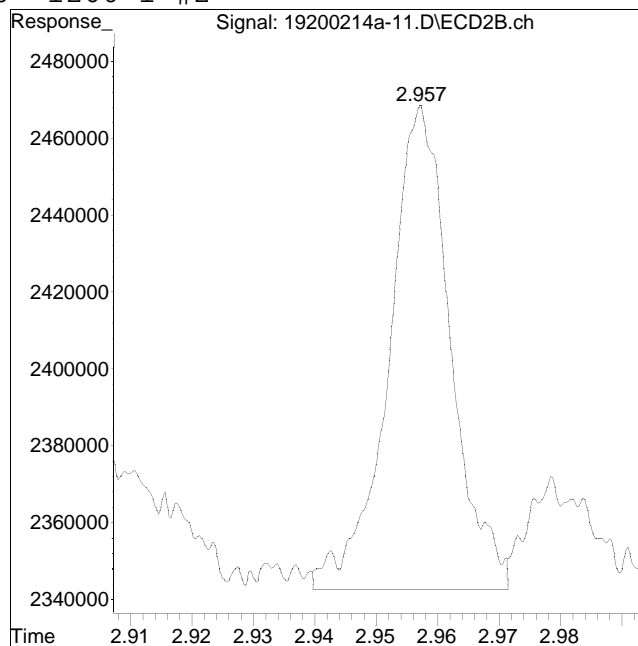
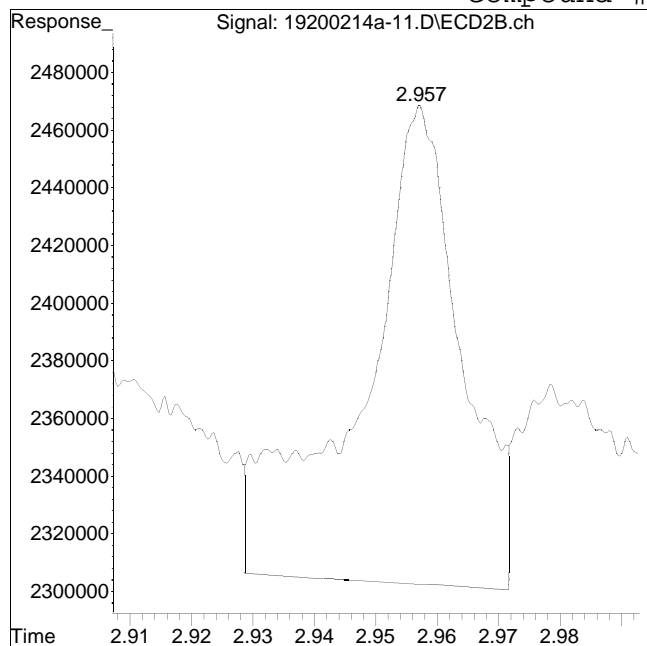
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-11.D
Date Inj'd : 2/14/2020 11:44 am
Sample : 12005778-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #60: 1260-1 #2



Original Peak Response = 1922878

Manual Peak Response = 881680 M4

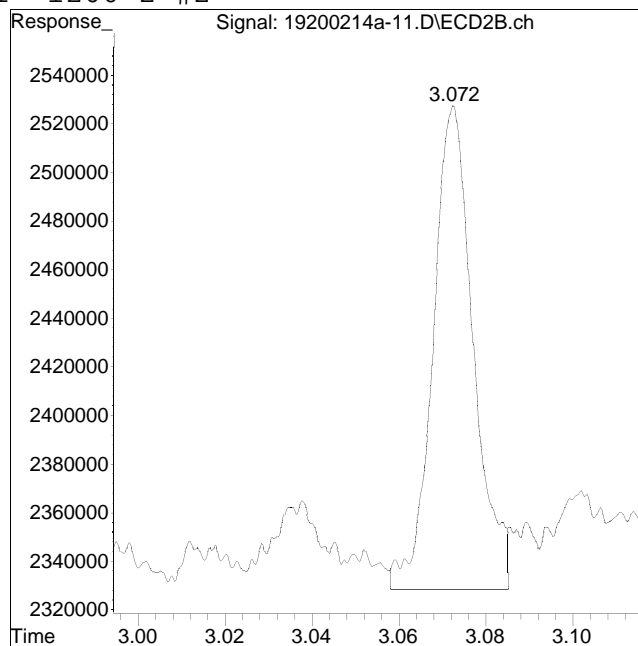
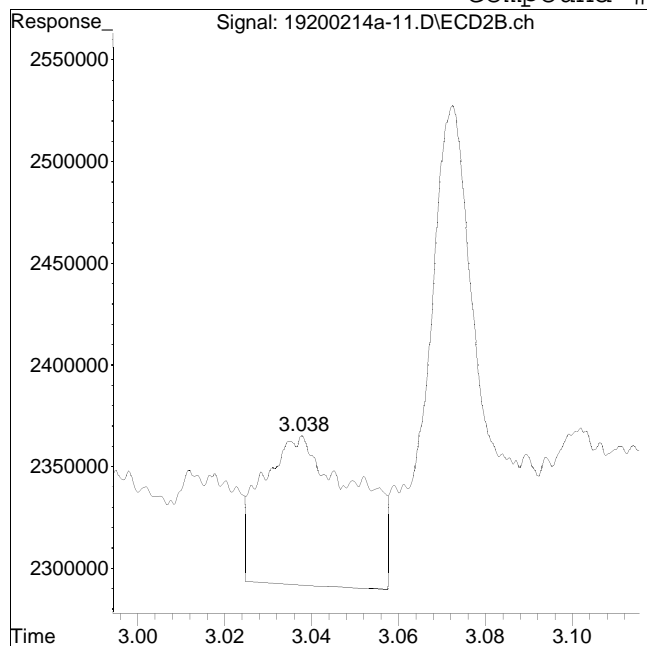
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-11.D
Date Inj'd : 2/14/2020 11:44 am
Sample : 12005778-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #61: 1260-2 #2



Original Peak Response = 1093650

Manual Peak Response = 1288904 M2

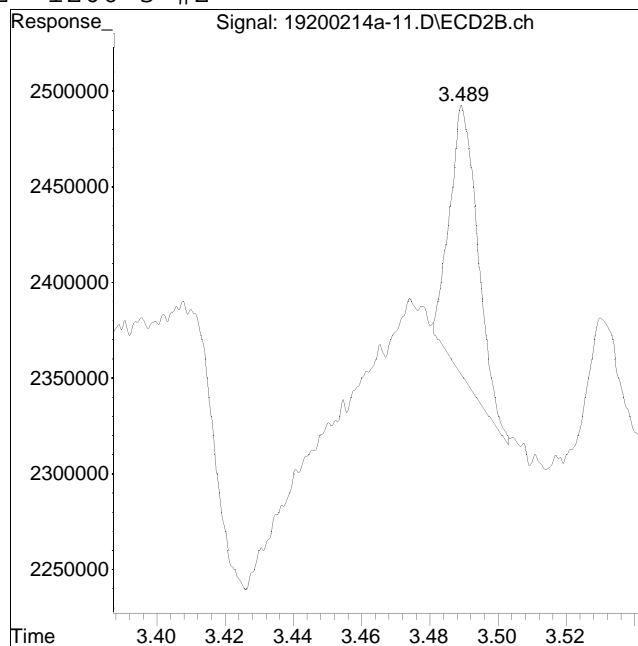
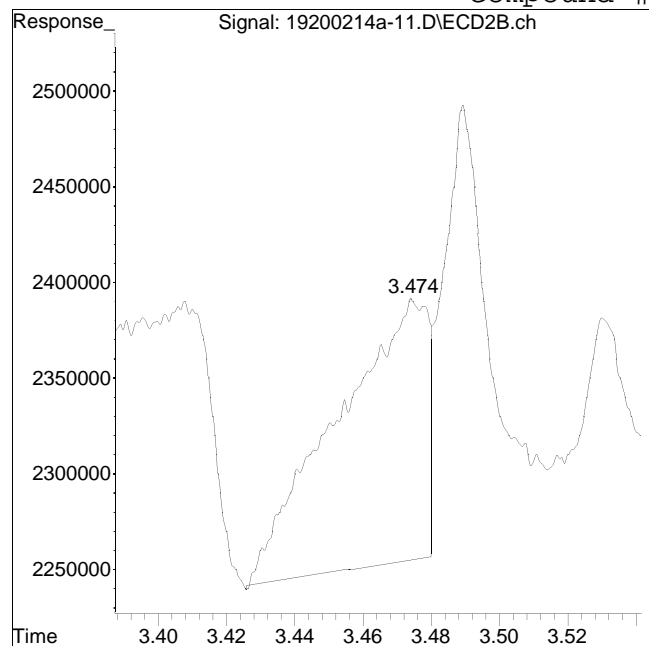
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-11.D
Date Inj'd : 2/14/2020 11:44 am
Sample : 12005778-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #62: 1260-3 #2



Original Peak Response = 2514860

Manual Peak Response = 813246 M4

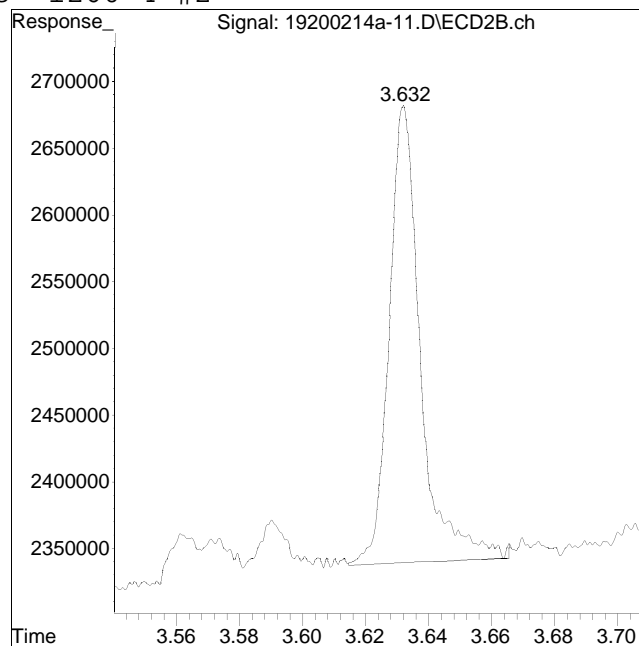
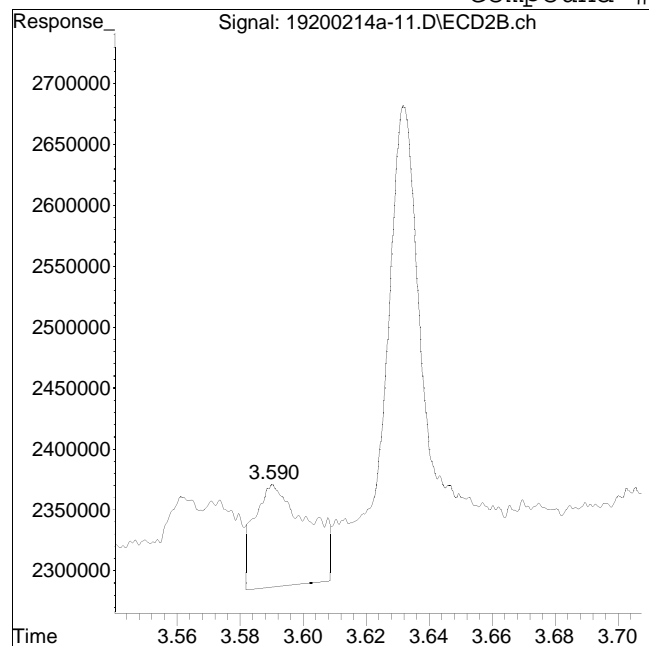
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-11.D
Date Inj'd : 2/14/2020 11:44 am
Sample : 12005778-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #63: 1260-4 #2



Original Peak Response = 978536

Manual Peak Response = 2377962 M2

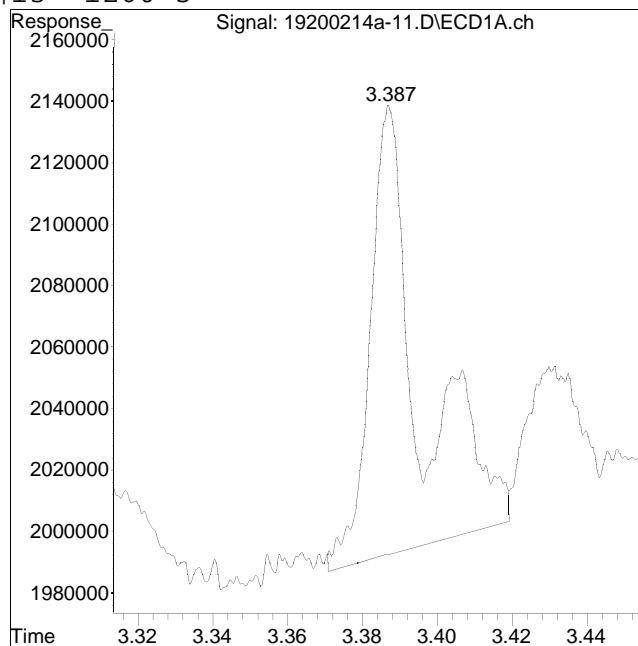
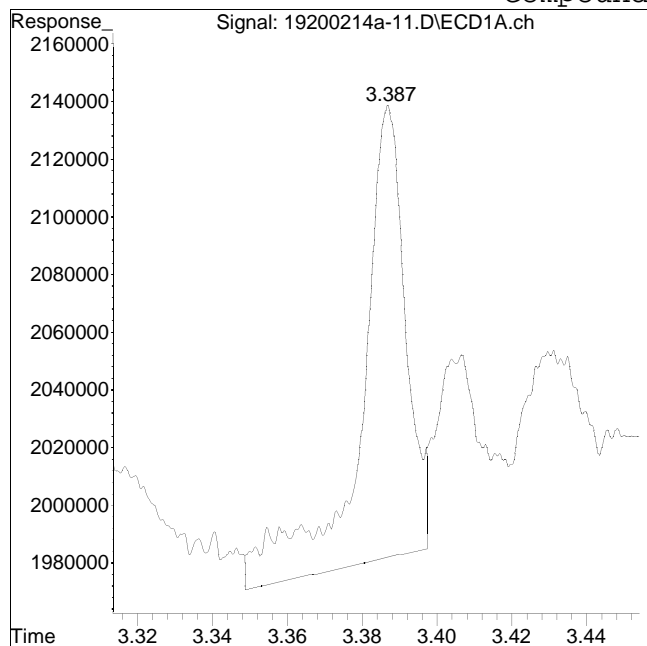
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-11.D
Date Inj'd : 2/14/2020 11:44 am
Sample : 12005778-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #13: 1260-5



Original Peak Response = 1298345

Manual Peak Response = 1346639 M1

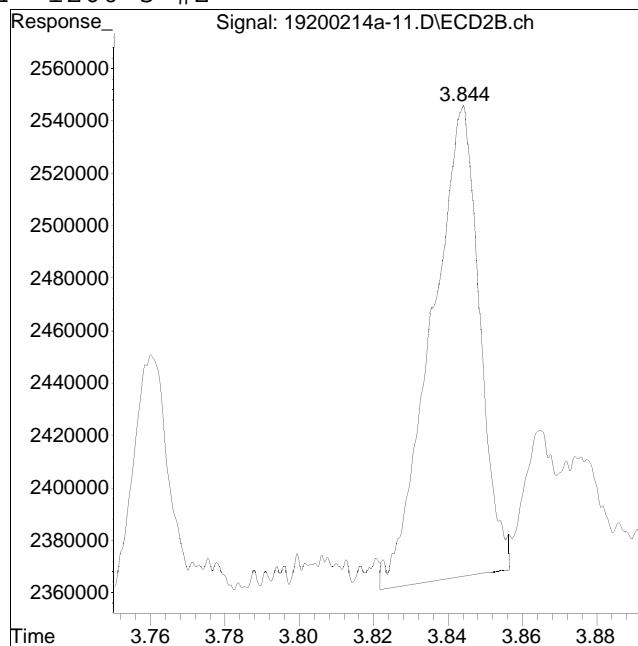
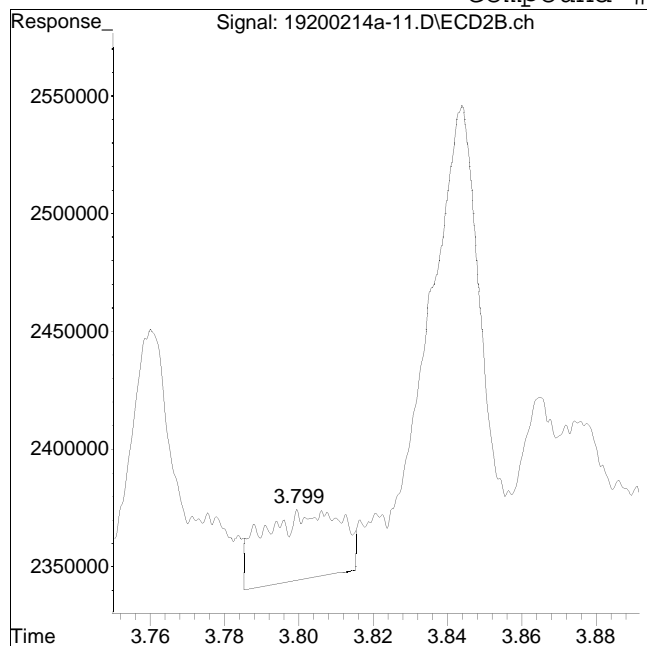
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-11.D
Date Inj'd : 2/14/2020 11:44 am
Sample : 12005778-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #64: 1260-5 #2



Original Peak Response = 433882

Manual Peak Response = 1614354 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:51 am
 Operator : pest19:aws
 Sample : l2005778-10,42e,,re
 Misc : wgl340785,wgl340606,ical16321
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 15:01:31 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.991	1.034	32543524	45440628	250.000	250.000
Standard Area 1 : #1 = 26726149					Recovery =	121.77%
Standard Area 1 : #2 = 36522977					Recovery =	124.42%
14) i 2154_1br2nb	0.991	1.034	32543524	45440628	250.000	250.000
23) i 4268_1br2nb	0.991	1.034	32543524	45440628	250.000	250.000
34) i 1248_1br2nb	0.991	1.034	32543524	45440628	250.000	250.000
40) i 3262_1br2nb	0.991	1.034	32543524	45440628	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.380	53753009	72613695	316.513	312.872
Spiked Amount 500.000	Range 30 - 150				Recovery =	63.30%
3) s Decachlorobi	4.006	4.518	37332375	50148684	274.044	256.170M2
Spiked Amount 500.000	Range 30 - 150				Recovery =	54.81%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.570	2.957	4902654	4457389	571.604	364.651M4
10) l2 1260-2	2.714	3.072	7121927	7179952	552.243M2	500.555M2
11) l2 1260-3	3.058	3.490	3925834	4923481	467.791M2	393.800M2
12) l2 1260-4	3.228	3.632	9503067	13398546	538.520M2	509.261M2
13) l2 1260-5	3.386	3.844	7152434	8809258	560.922M1	481.992M2

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:51 am
 Operator : pest19:aws
 Sample : 12005778-10,42e,,re
 Misc : wg1340785,wg1340606,ical16321
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 15:01:31 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1			32605916	38768626	2691.080	2250.258
Average 1260-1					538.216	450.052
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:51 am
 Operator : pest19:aws
 Sample : l2005778-10,42e,,re
 Misc : wgl1340785,wgl1340606,ical16321
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 15:01:31 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:51 am
 Operator : pest19:aws
 Sample : 12005778-10,42e,,re
 Misc : wg1340785,wg1340606,ical16321
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 15:01:31 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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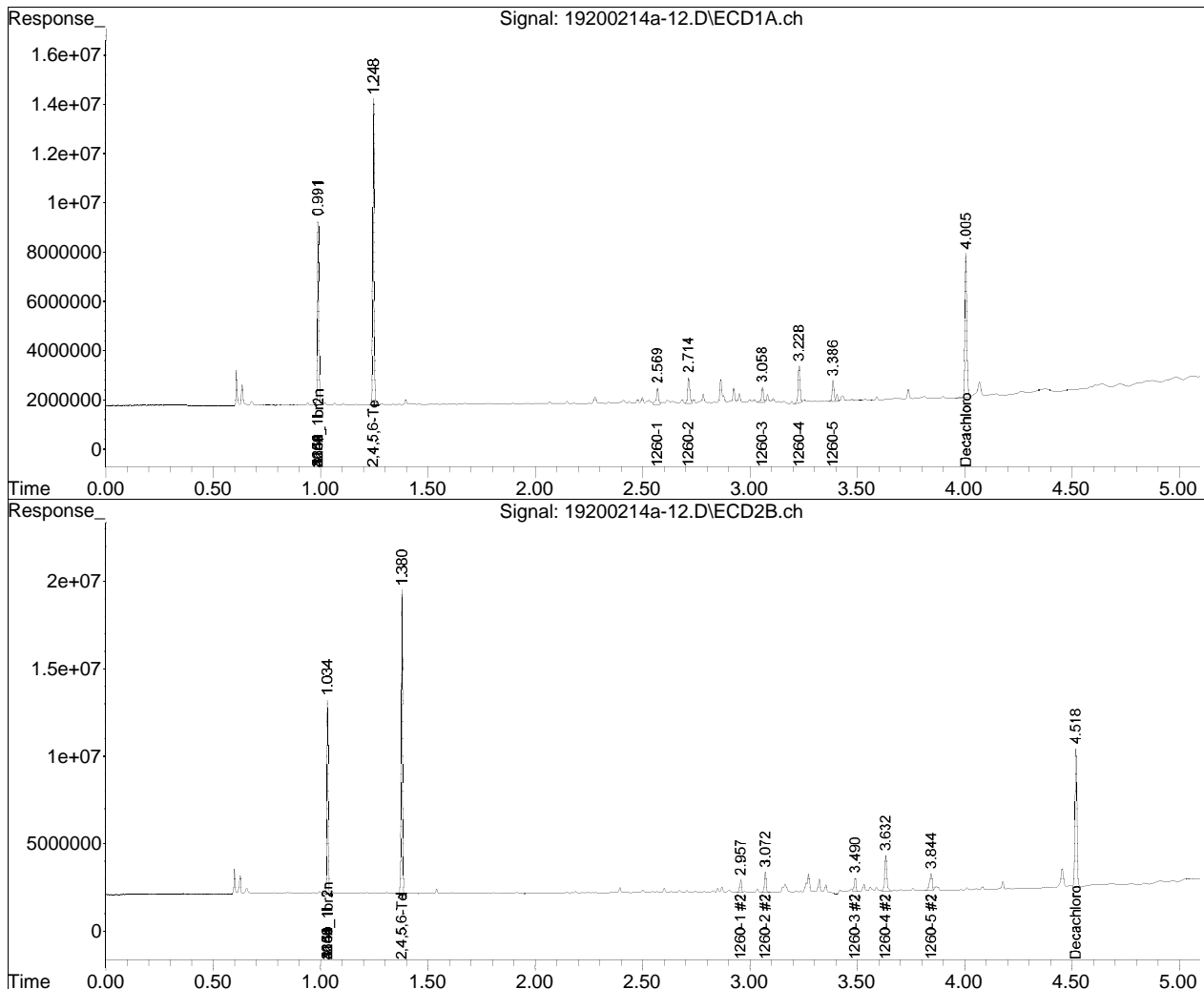
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed(a-02.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 11:51 am
Operator : pest19:aws
Sample : l2005778-10,42e,,re
Misc : wg1340785,wg1340606,ical16321
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 14 15:01:31 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sat Feb 01 09:36:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

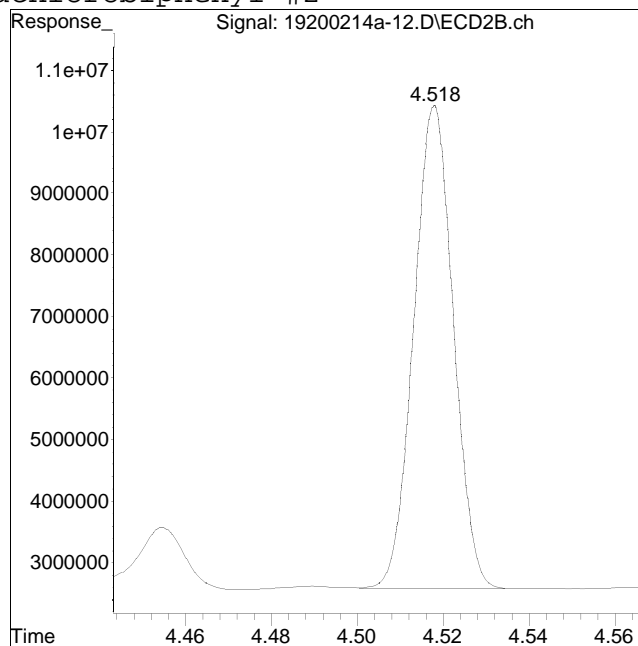
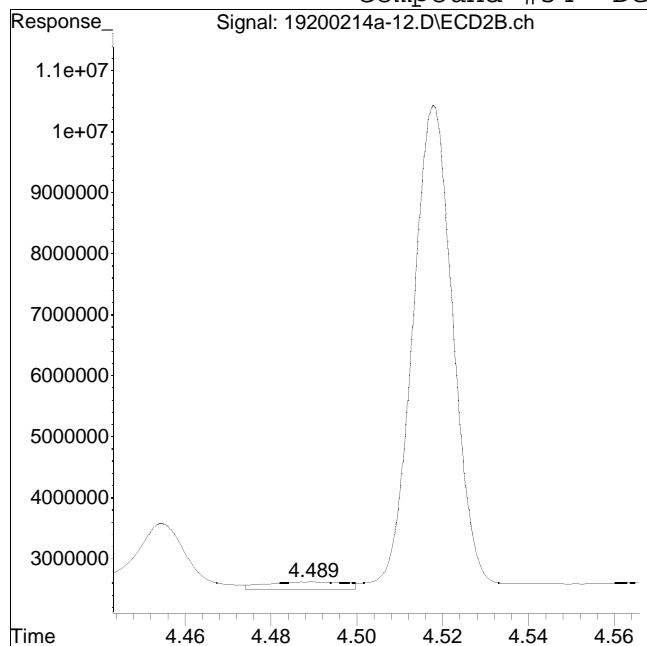


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-12.D
Date Inj'd : 2/14/2020 11:51 am
Sample : 12005778-10,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1606593

Manual Peak Response = 50148684 M2

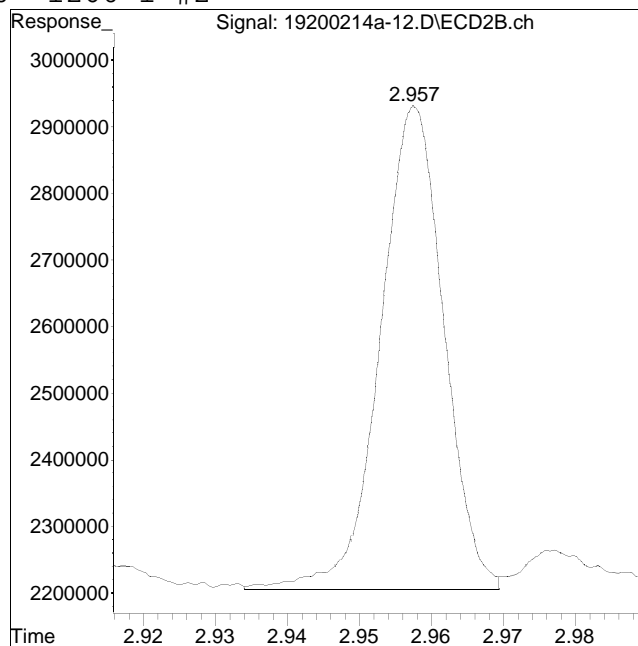
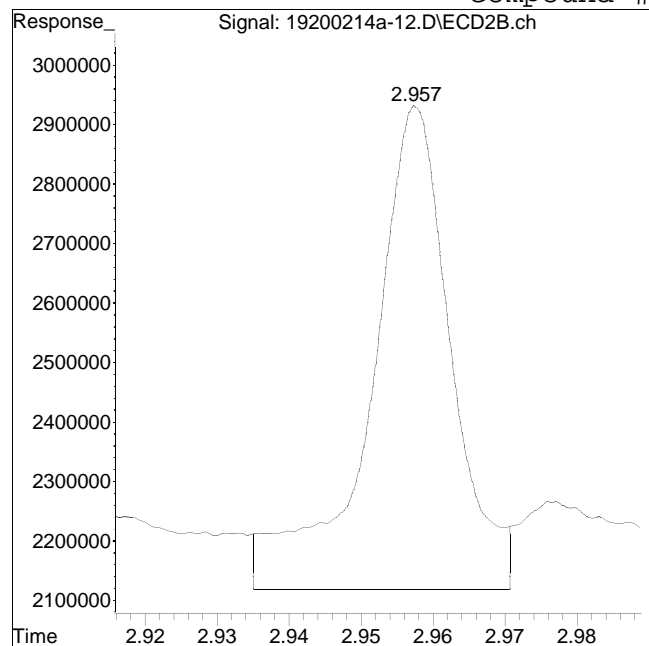
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-12.D
Date Inj'd : 2/14/2020 11:51 am
Sample : 12005778-10,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #60: 1260-1 #2



Original Peak Response = 6306473

Manual Peak Response = 4457389 M4

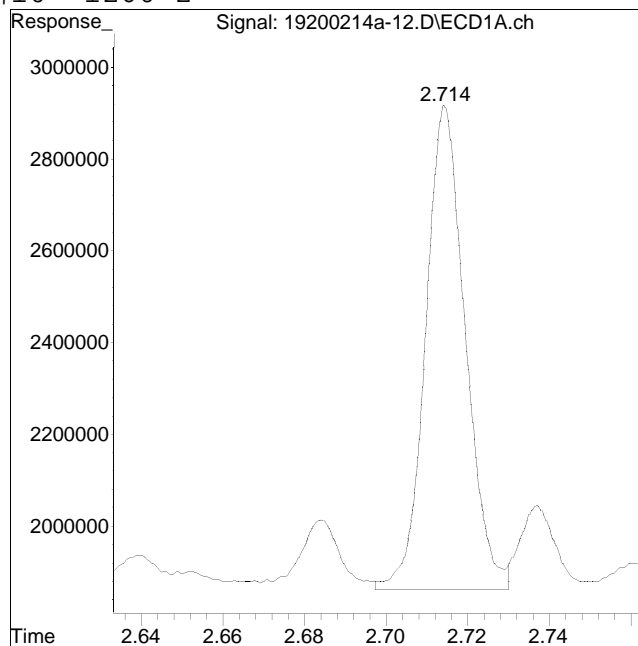
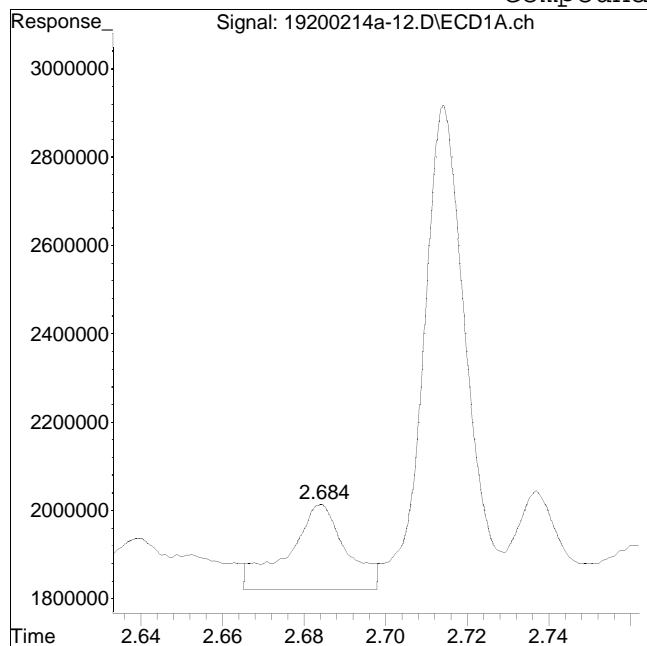
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-12.D
Date Inj'd : 2/14/2020 11:51 am
Sample : 12005778-10,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #10: 1260-2



Original Peak Response = 1917140

Manual Peak Response = 7121927 M2

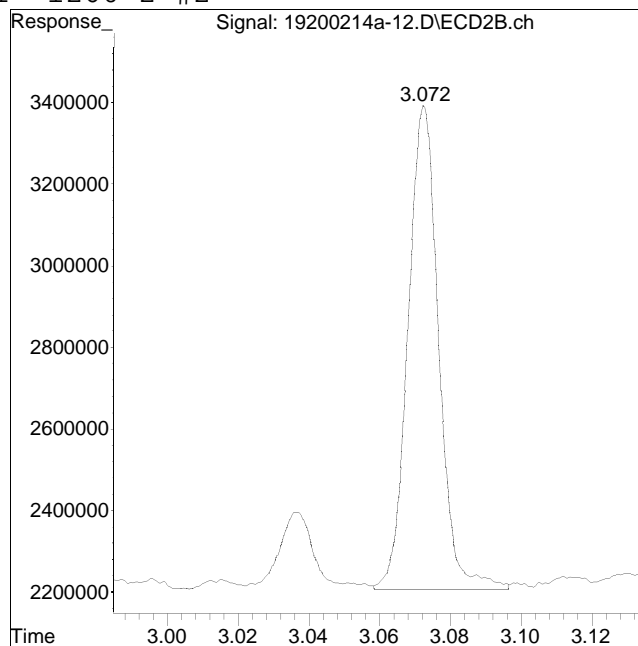
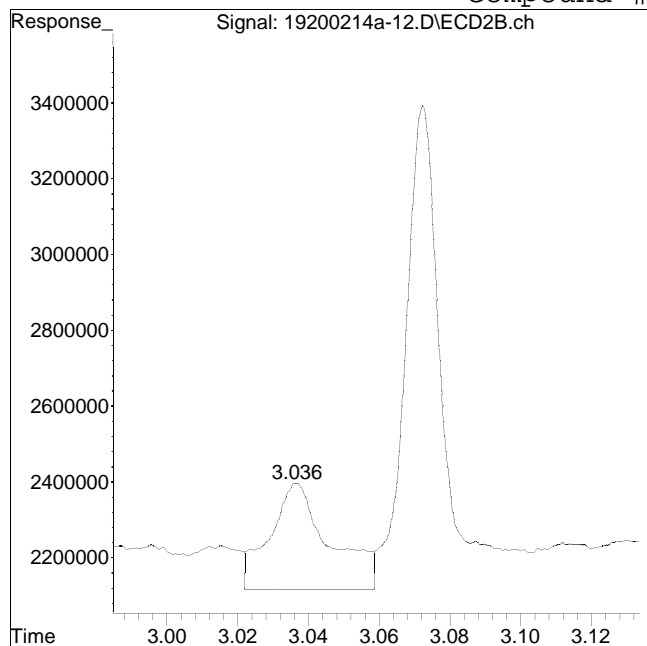
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-12.D
Date Inj'd : 2/14/2020 11:51 am
Sample : 12005778-10,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #61: 1260-2 #2



Original Peak Response = 3339508

Manual Peak Response = 7179952 M2

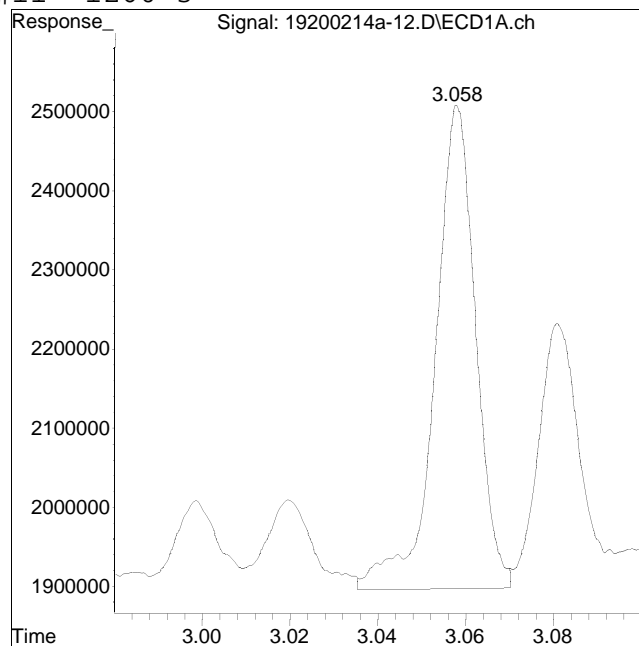
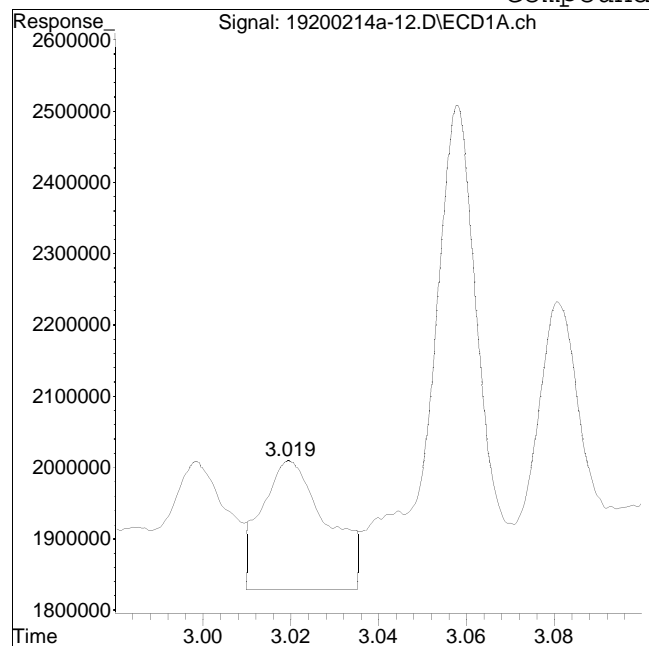
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-12.D
Date Inj'd : 2/14/2020 11:51 am
Sample : 12005778-10,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #11: 1260-3



Original Peak Response = 1865055

Manual Peak Response = 3925834 M2

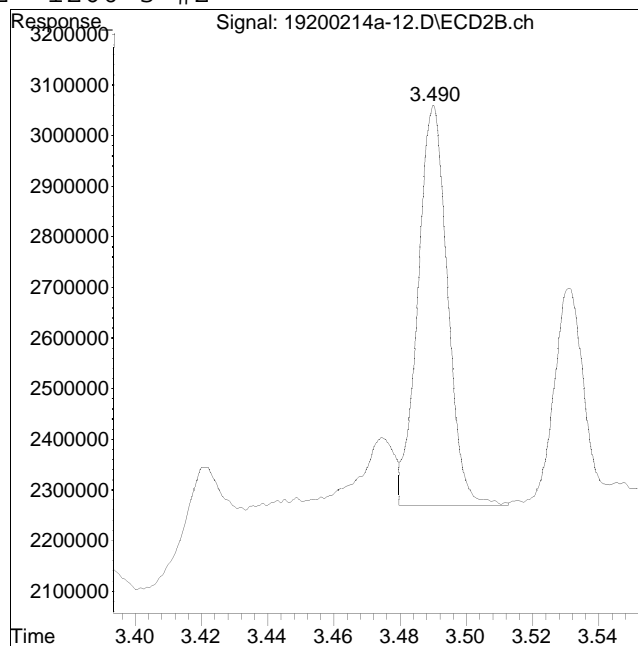
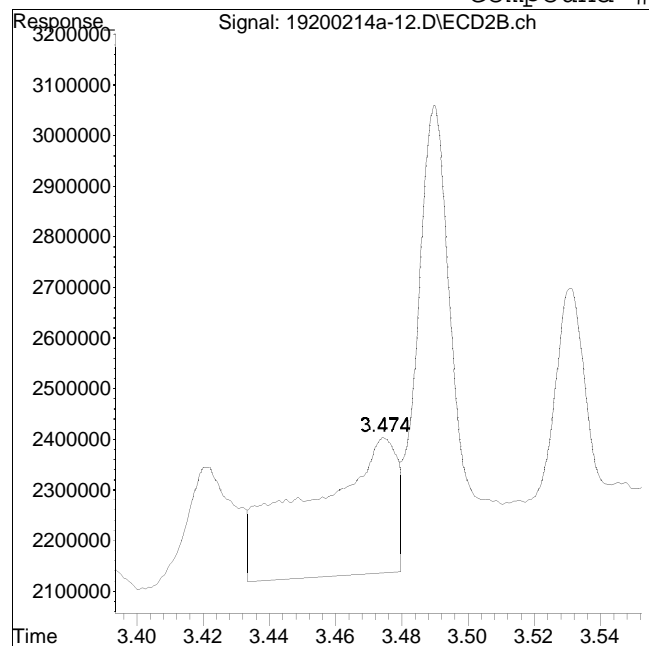
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-12.D
Date Inj'd : 2/14/2020 11:51 am
Sample : 12005778-10,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #62: 1260-3 #2



Original Peak Response = 4933588

Manual Peak Response = 4923481 M2

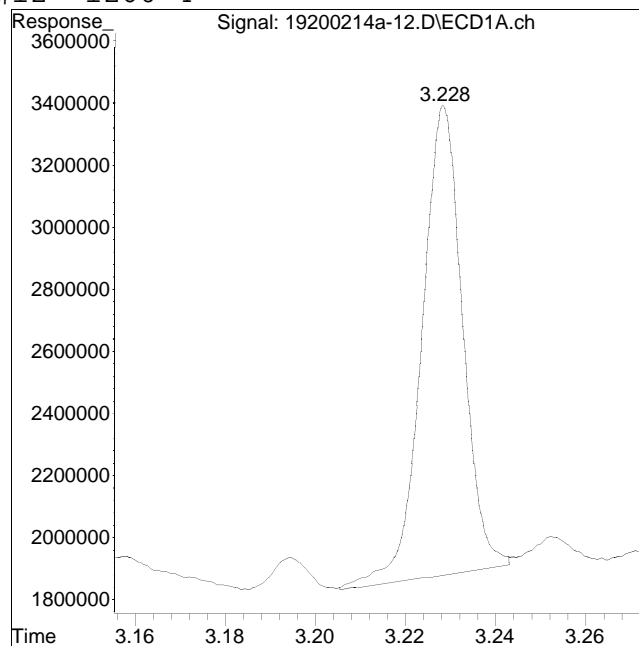
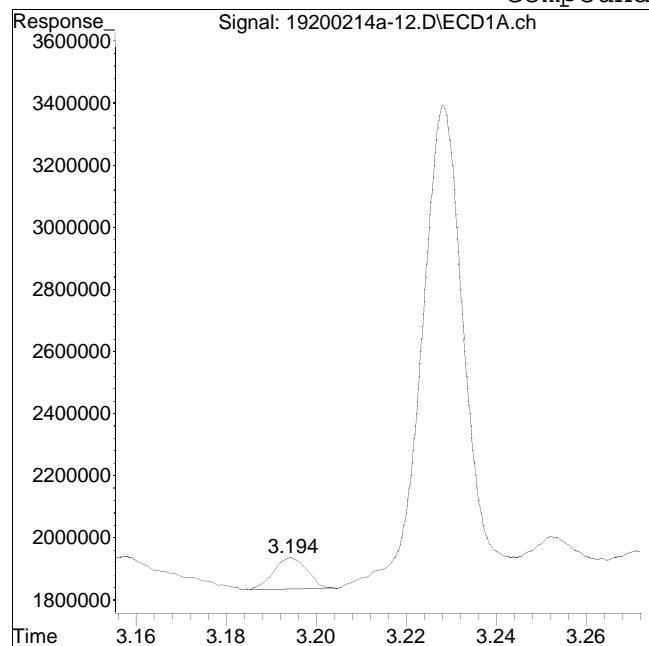
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-12.D
Date Inj'd : 2/14/2020 11:51 am
Sample : 12005778-10,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #12: 1260-4



Original Peak Response = 524363

Manual Peak Response = 9503067 M2

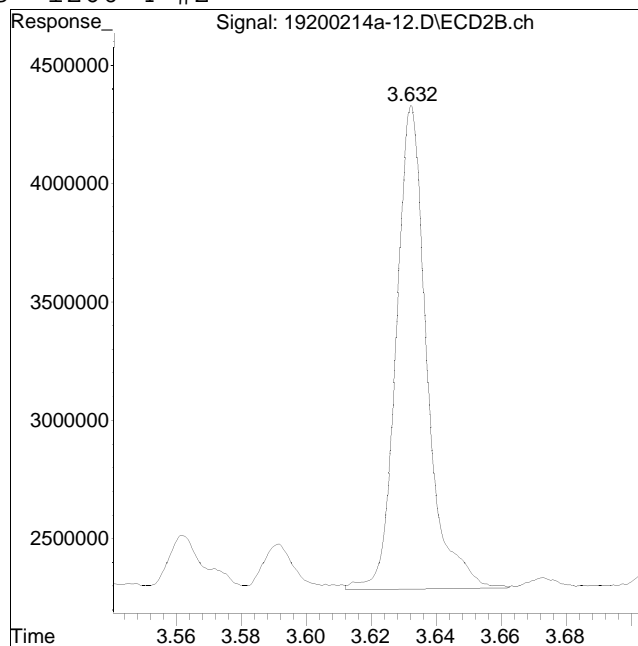
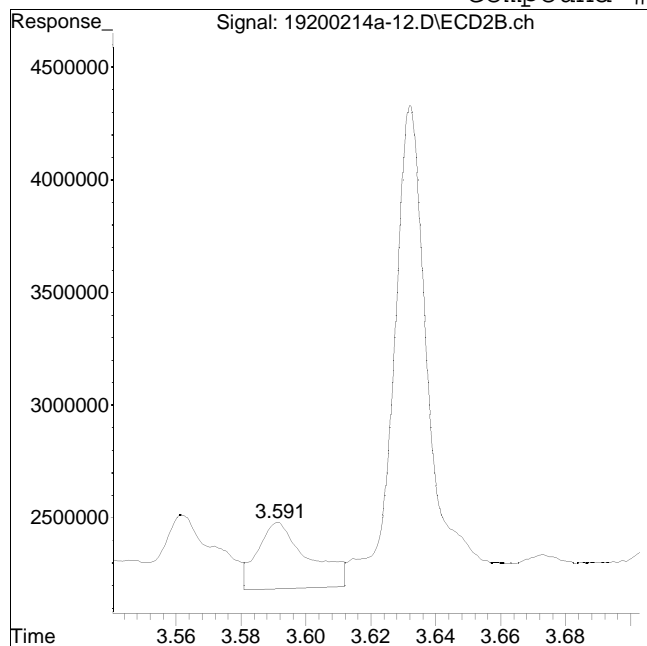
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-12.D
Date Inj'd : 2/14/2020 11:51 am
Sample : 12005778-10,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #63: 1260-4 #2



Original Peak Response = 3218425

Manual Peak Response = 13398546 M2

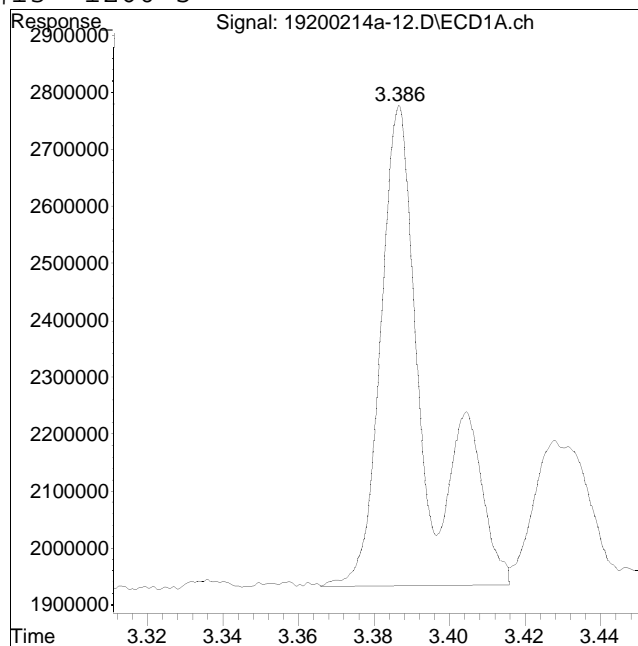
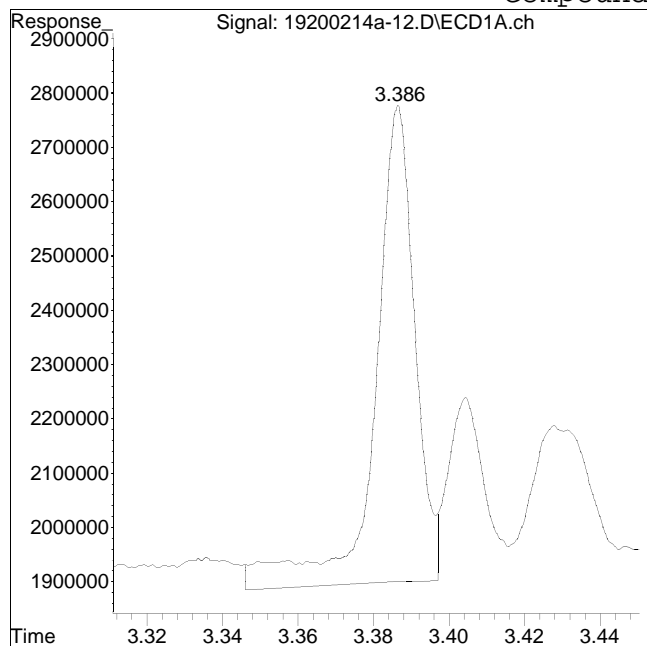
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-12.D
Date Inj'd : 2/14/2020 11:51 am
Sample : 12005778-10,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #13: 1260-5



Original Peak Response = 6497646

Manual Peak Response = 7152434 M1

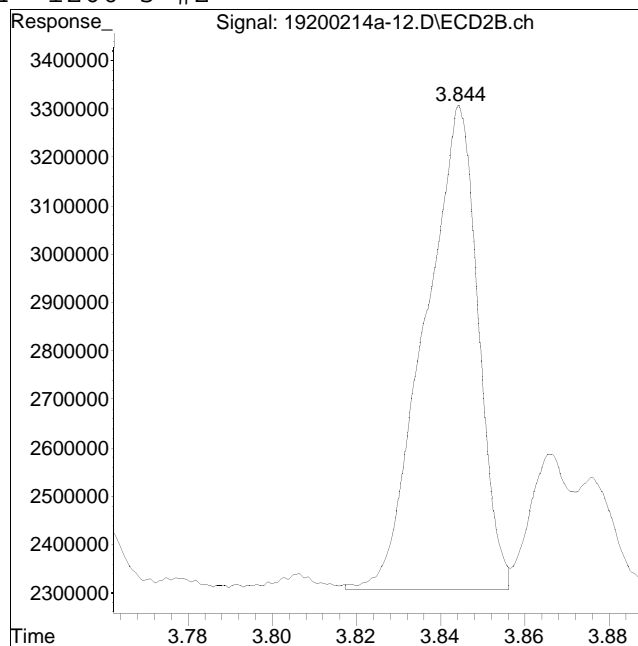
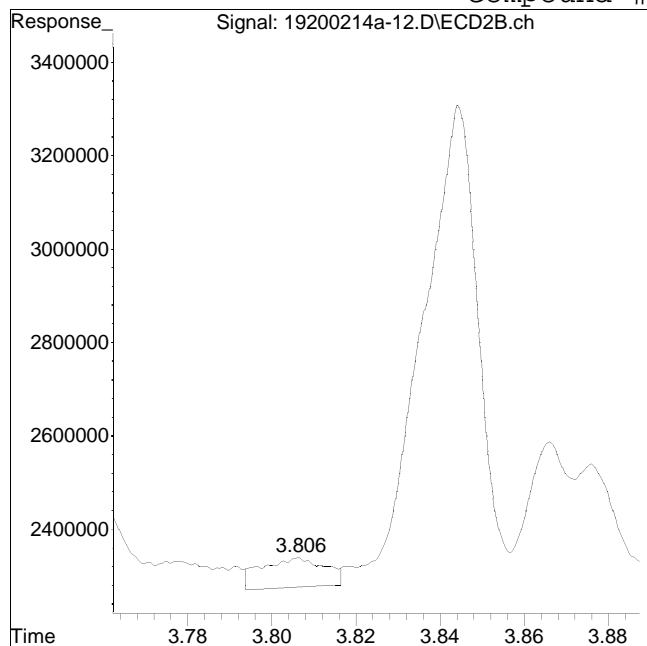
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-12.D
Date Inj'd : 2/14/2020 11:51 am
Sample : 12005778-10,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #64: 1260-5 #2



Original Peak Response = 673143

Manual Peak Response = 8809258 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:58 am
 Operator : pest19:aws
 Sample : l2005778-22,42e,,re
 Misc : wgl340785,wgl340606,ical16321
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 15:02:46 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.035	31016565	43036898	250.000	250.000
Standard Area 1 : #1 = 26726149					Recovery =	116.05%
Standard Area 1 : #2 = 36522977					Recovery =	117.84%
14) i 2154_1br2nb	0.991	1.035	31016565	43036898	250.000	250.000
23) i 4268_1br2nb	0.991	1.035	31016565	43036898	250.000	250.000
34) i 1248_1br2nb	0.991	1.035	31016565	43036898	250.000	250.000
40) i 3262_1br2nb	0.991	1.035	31016565	43036898	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.381	39069253	53497635	241.377	243.380
Spiked Amount 500.000	Range 30 - 150				Recovery =	48.28% 48.68%
3) s Decachlorobi	4.004	4.517	27935041	42584488	215.157M2	229.680M2
Spiked Amount 500.000	Range 30 - 150				Recovery =	43.03% 45.94%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.569	2.957	1678889	2042618	205.379M4	176.436M4
10) l2 1260-2	2.714	3.072	3129912	2522378	254.645M2	185.671M2
11) l2 1260-3	3.057	3.489	1505565	2325556	188.231M2	196.396M2
12) l2 1260-4	3.227	3.632	3634207	4503081	216.082M2	180.716M2

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:58 am
 Operator : pest19:aws
 Sample : 12005778-22,42e,,re
 Misc : wg1340785,wg1340606,ical16321
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 15:02:46 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) 12	1260-5	3.385	3.843	3143002	3544770	258.621M2	204.782M4
	Sum 1260-1			13091575	14938403	1122.959	944.001
	Average 1260-1					224.592	188.800
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:58 am
 Operator : pest19:aws
 Sample : l2005778-22,42e,,re
 Misc : wgl1340785,wgl1340606,ical16321
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 15:02:46 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D.
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:58 am
 Operator : pest19:aws
 Sample : l2005778-22,42e,,re
 Misc : wgl340785,wgl340606,ical16321
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 15:02:46 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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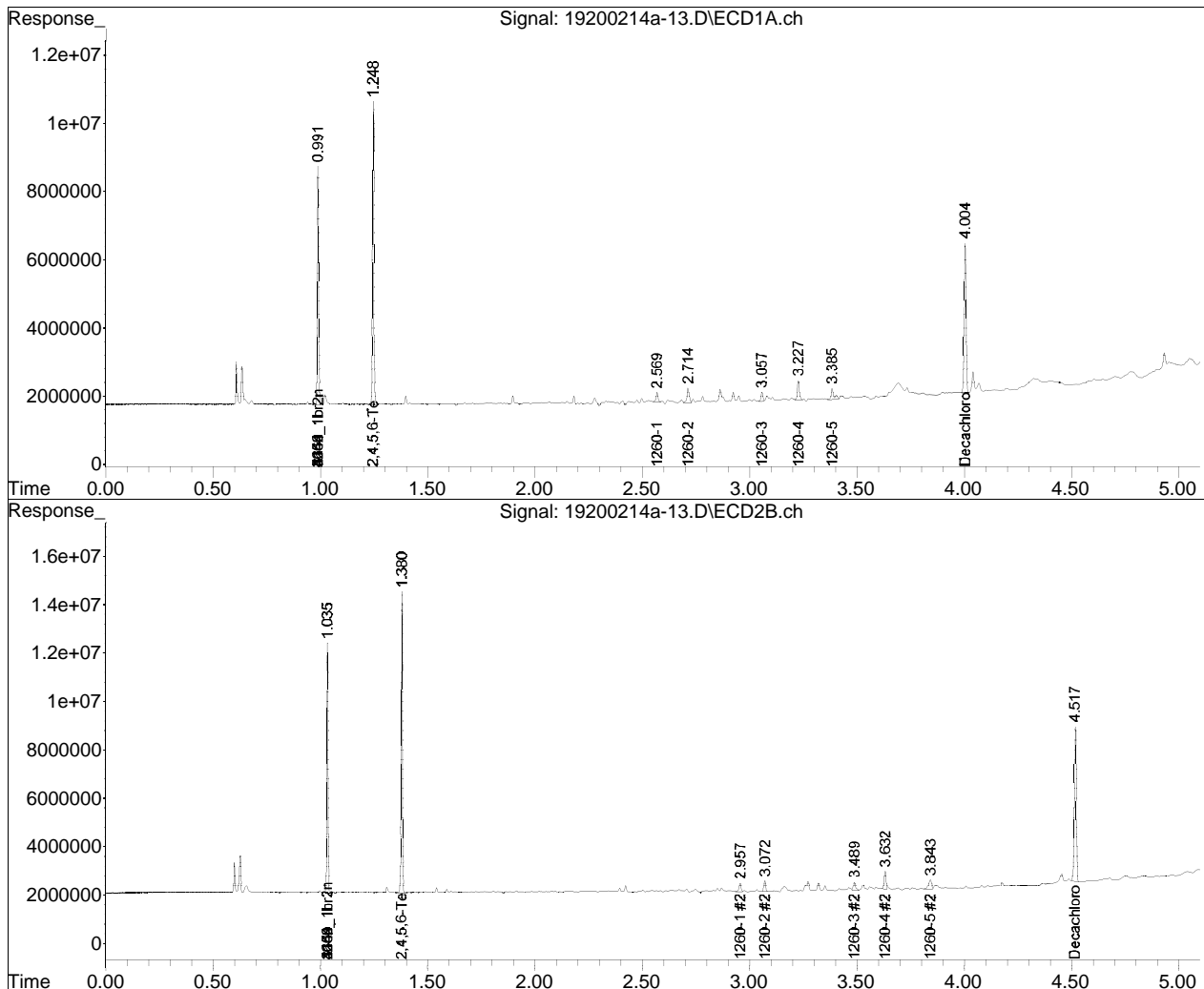
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 11:58 am
Operator : pest19:aws
Sample : 12005778-22,42e,,re
Misc : wg1340785,wg1340606,ical16321
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 14 15:02:46 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sat Feb 01 09:36:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

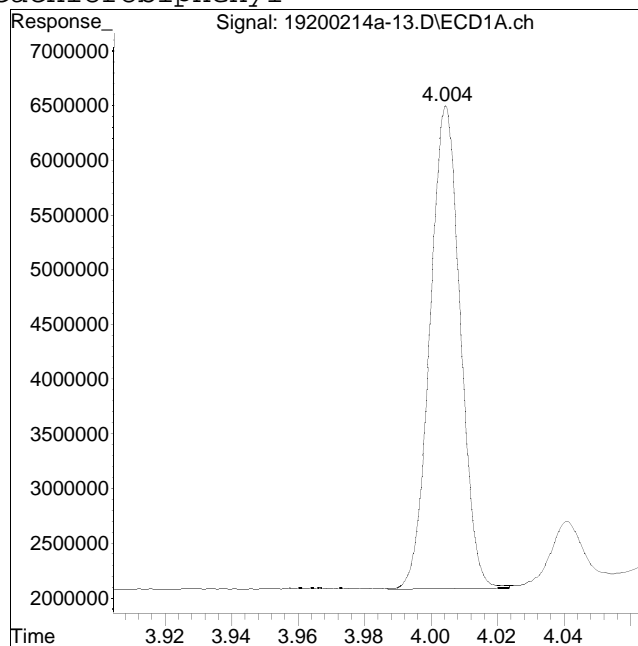
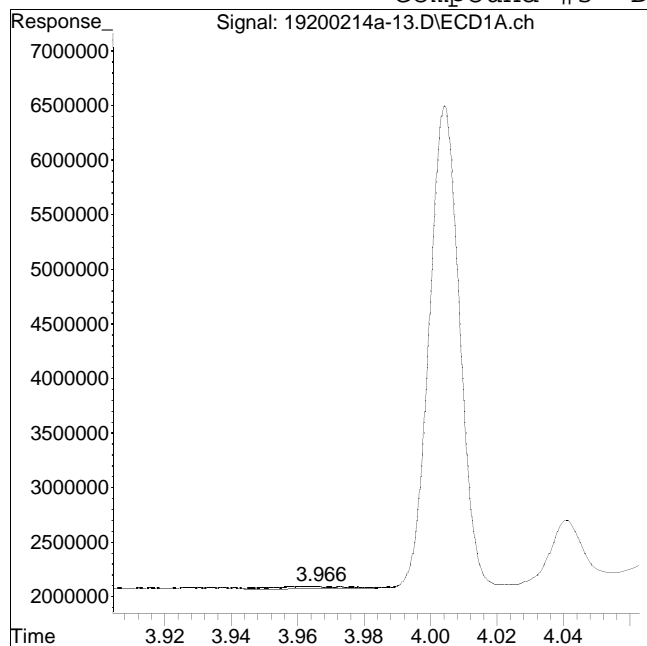


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Date Inj'd : 2/14/2020 11:58 am
Sample : 12005778-22,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 377154

Manual Peak Response = 27935041 M2

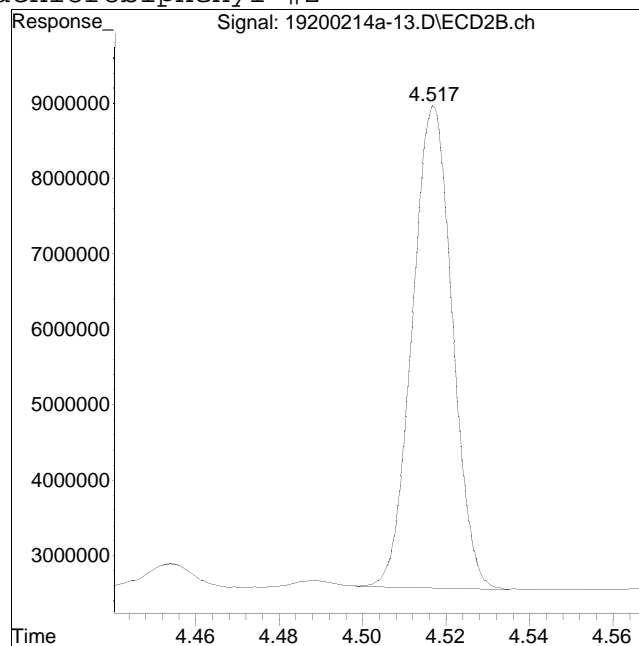
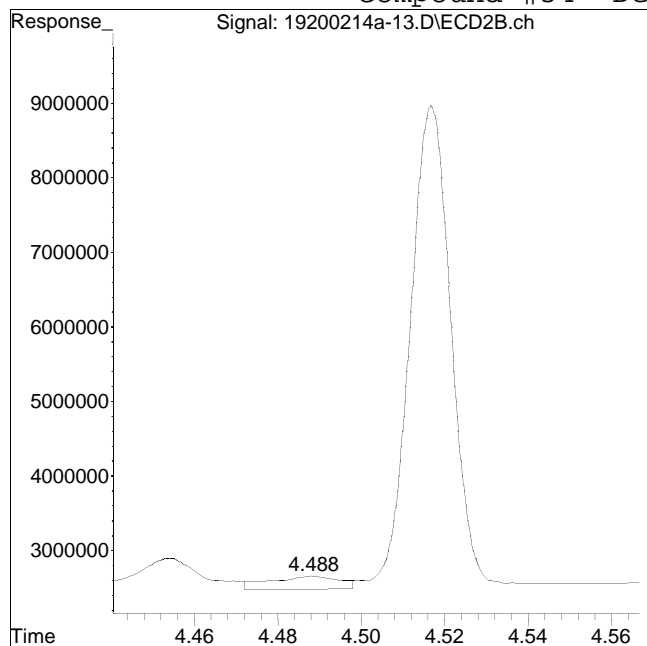
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Date Inj'd : 2/14/2020 11:58 am
Sample : 12005778-22,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 2074932

Manual Peak Response = 42584488 M2

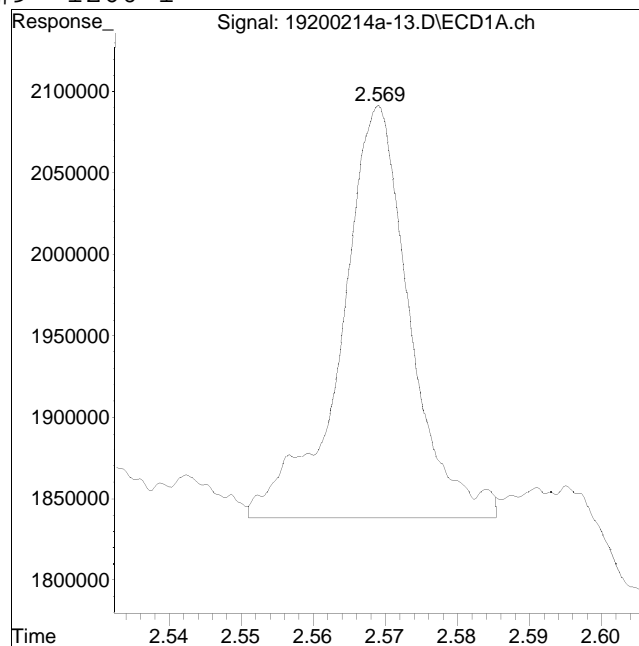
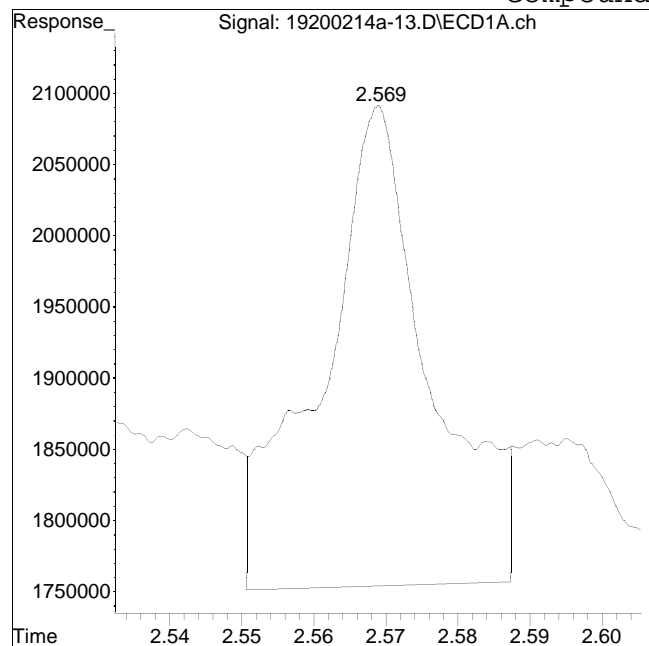
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Date Inj'd : 2/14/2020 11:58 am
Sample : 12005778-22,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #9: 1260-1



Original Peak Response = 3551597

Manual Peak Response = 1678889 M4

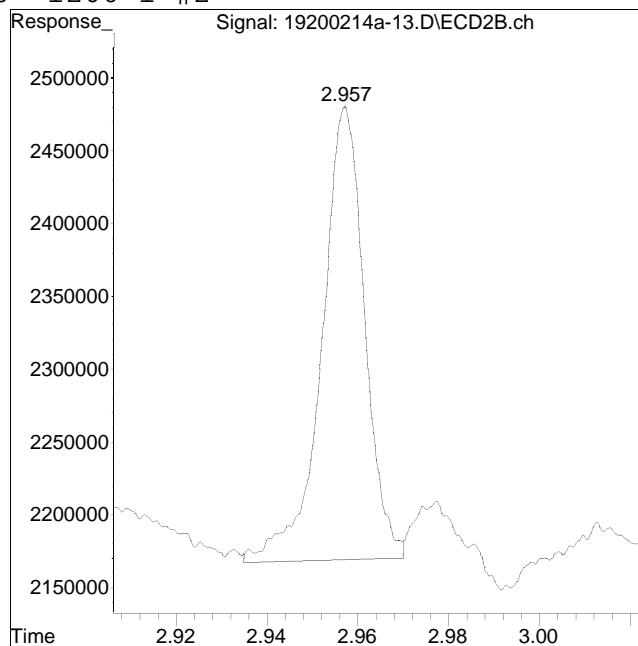
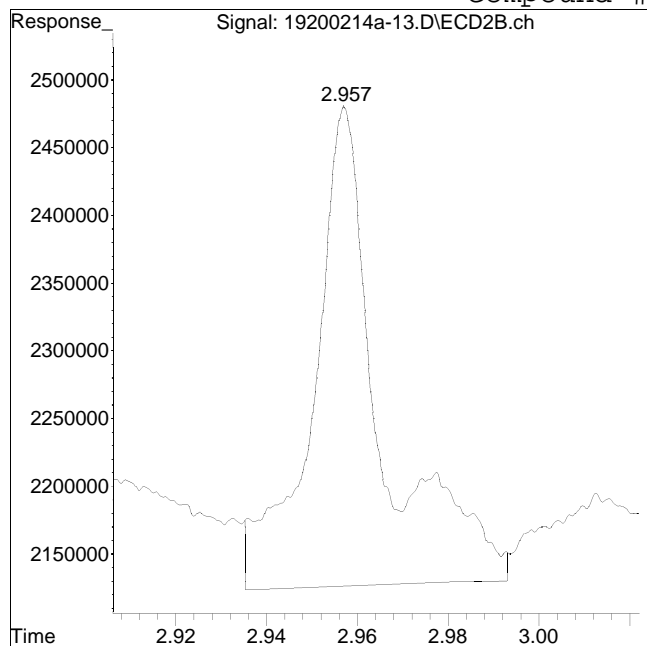
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Date Inj'd : 2/14/2020 11:58 am
Sample : 12005778-22,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #60: 1260-1 #2



Original Peak Response = 3689338

Manual Peak Response = 2042618 M4

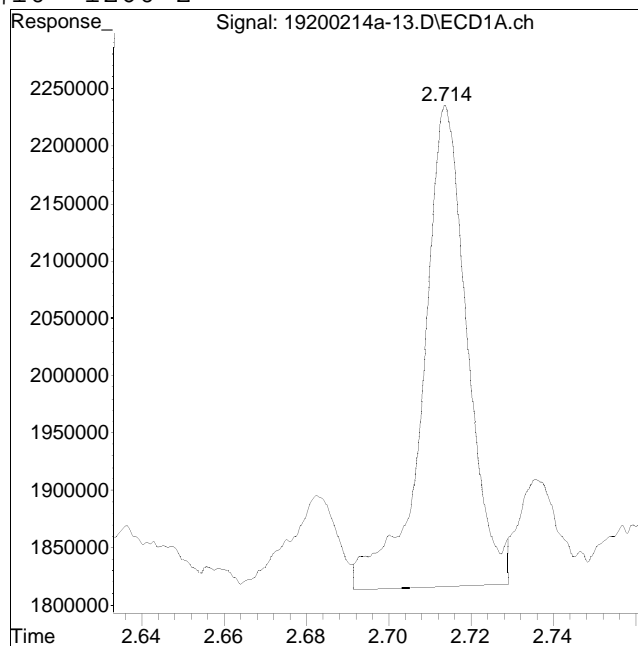
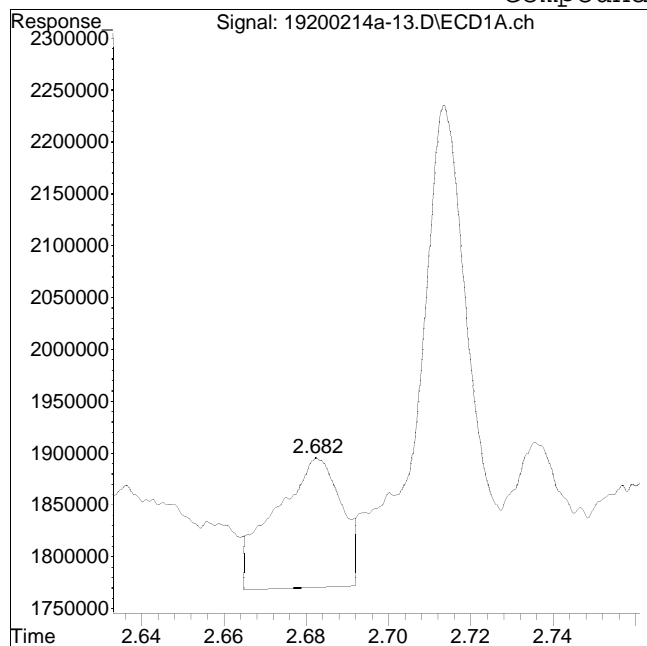
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Date Inj'd : 2/14/2020 11:58 am
Sample : 12005778-22,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #10: 1260-2



Original Peak Response = 1384973

Manual Peak Response = 3129912 M2

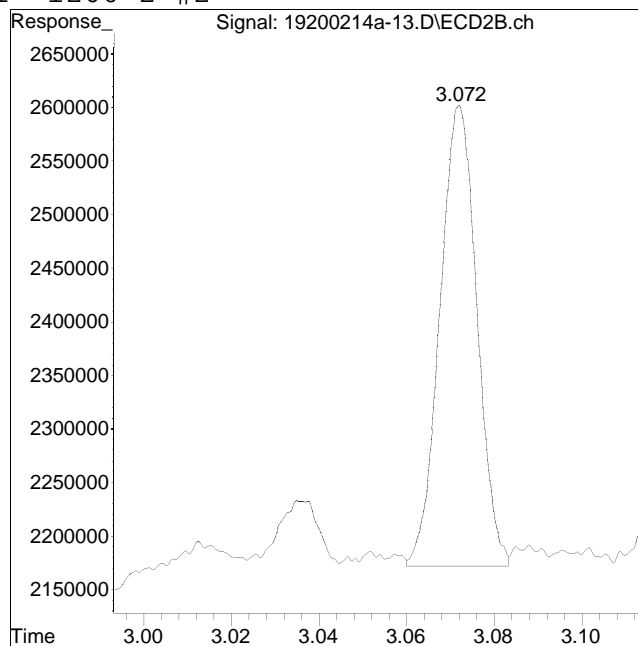
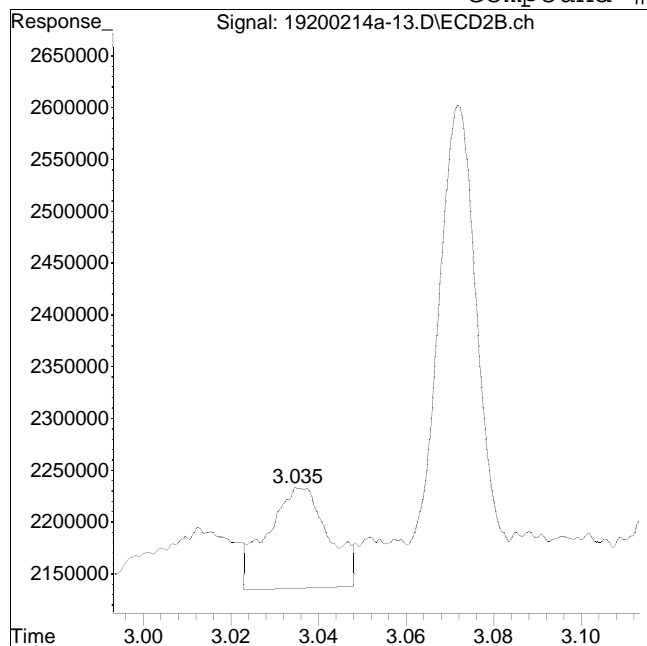
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Date Inj'd : 2/14/2020 11:58 am
Sample : 12005778-22,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #61: 1260-2 #2



Original Peak Response = 943711

Manual Peak Response = 2522378 M2

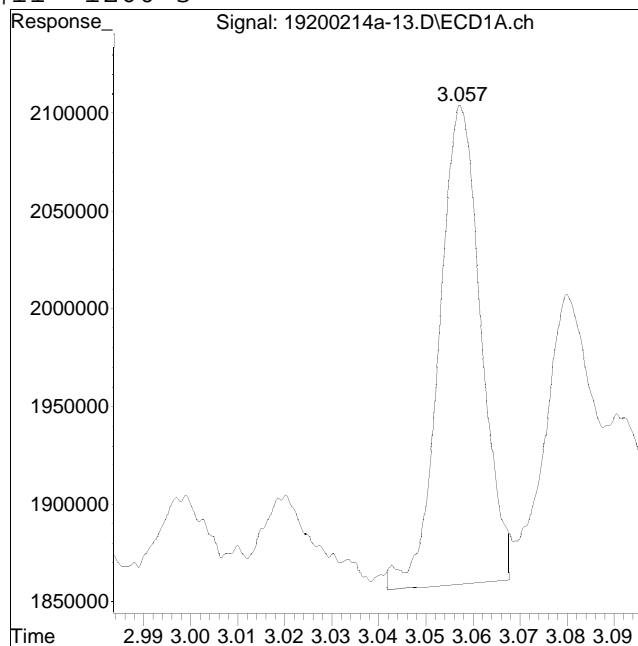
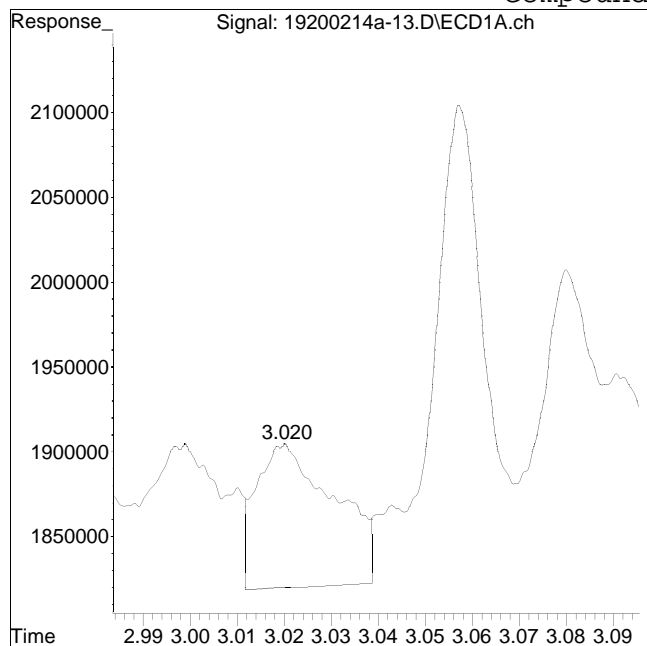
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Date Inj'd : 2/14/2020 11:58 am
Sample : 12005778-22,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #11: 1260-3



Original Peak Response = 986086

Manual Peak Response = 1505565 M2

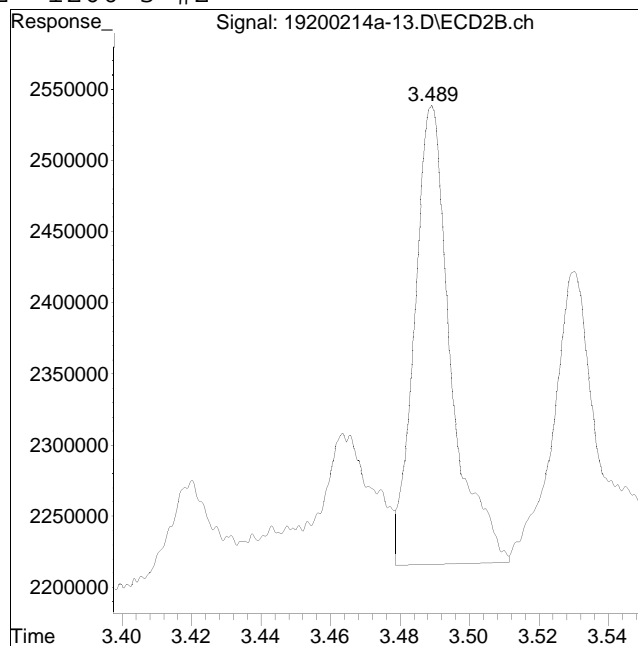
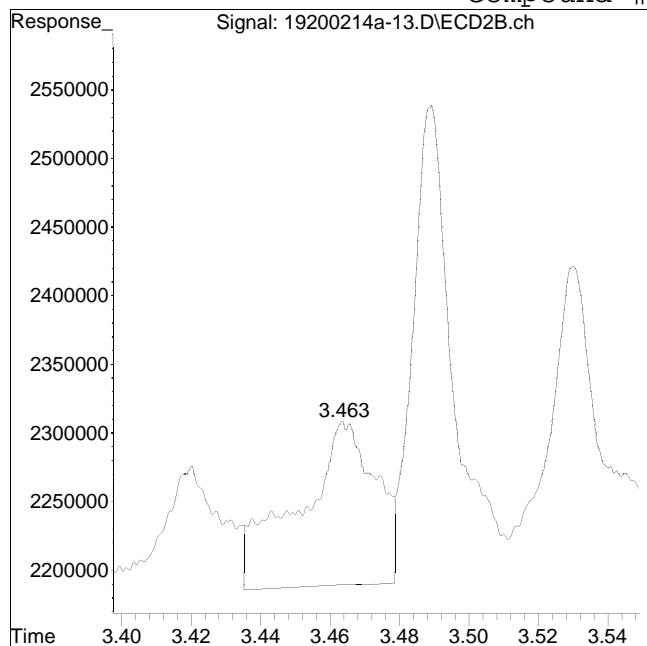
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Date Inj'd : 2/14/2020 11:58 am
Sample : 12005778-22,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #62: 1260-3 #2



Original Peak Response = 1841175

Manual Peak Response = 2325556 M2

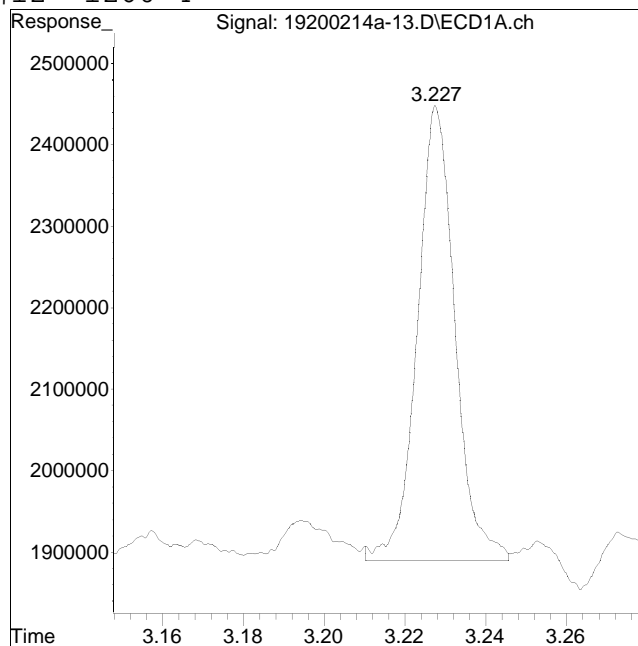
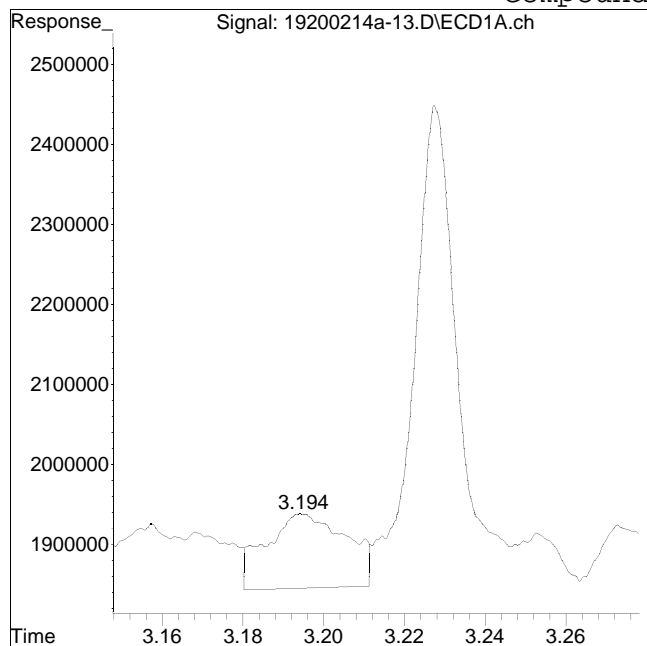
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Date Inj'd : 2/14/2020 11:58 am
Sample : 12005778-22,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #12: 1260-4



Original Peak Response = 1283627

Manual Peak Response = 3634207 M2

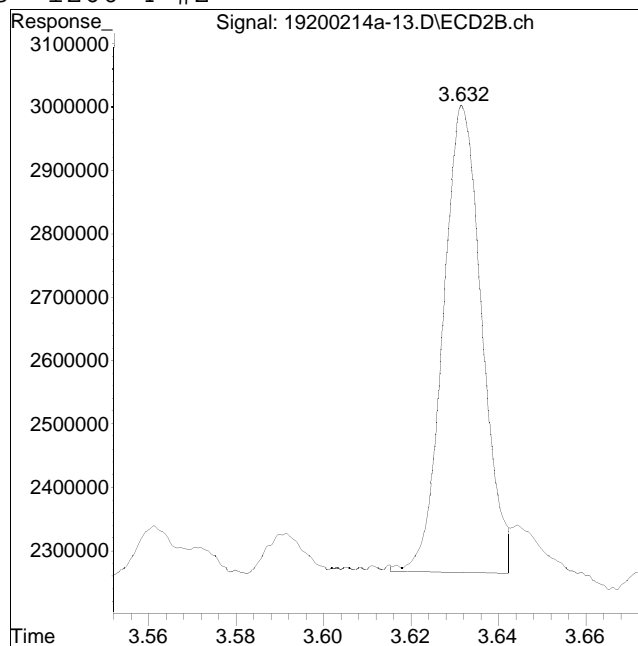
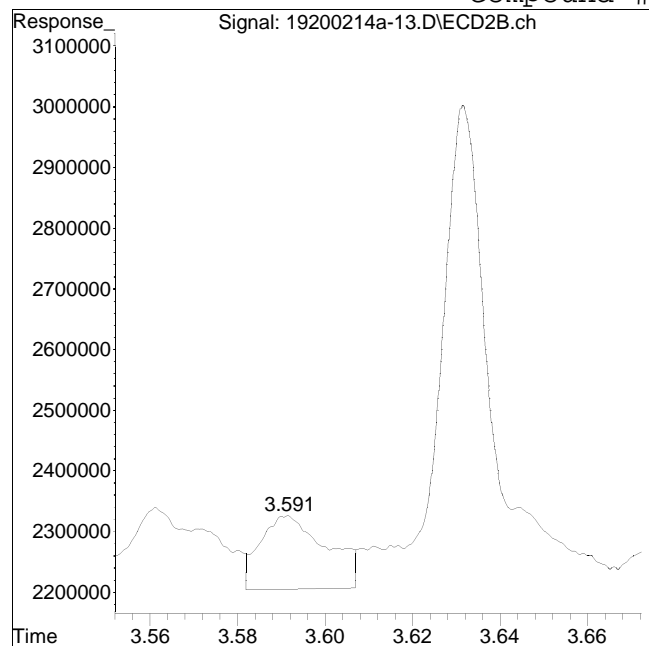
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Date Inj'd : 2/14/2020 11:58 am
Sample : 12005778-22,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #63: 1260-4 #2



Original Peak Response = 1275460

Manual Peak Response = 4503081 M2

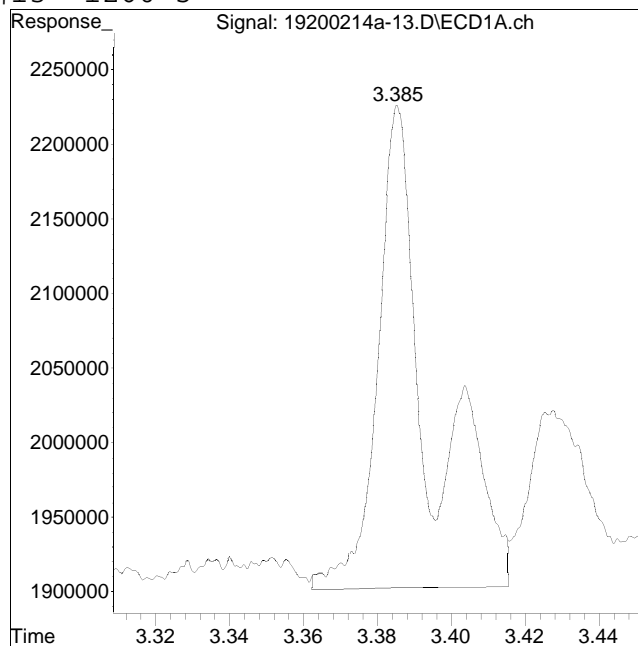
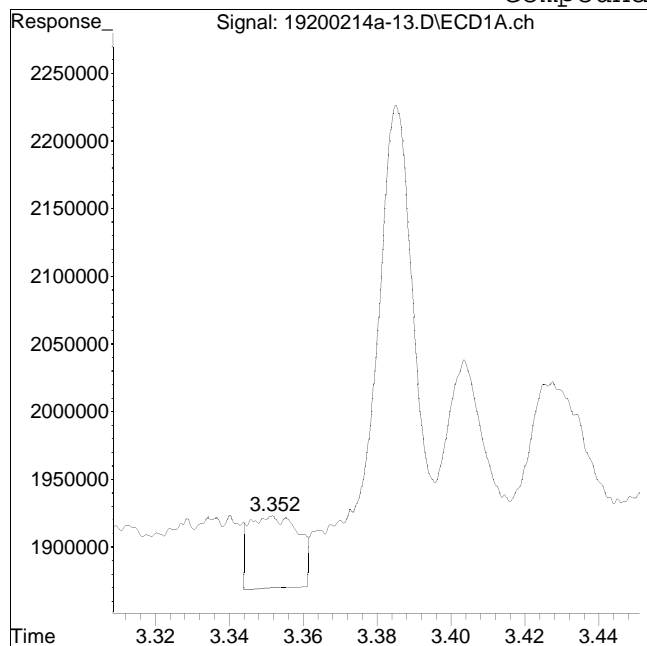
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Date Inj'd : 2/14/2020 11:58 am
Sample : 12005778-22,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #13: 1260-5



Original Peak Response = 490388

Manual Peak Response = 3143002 M2

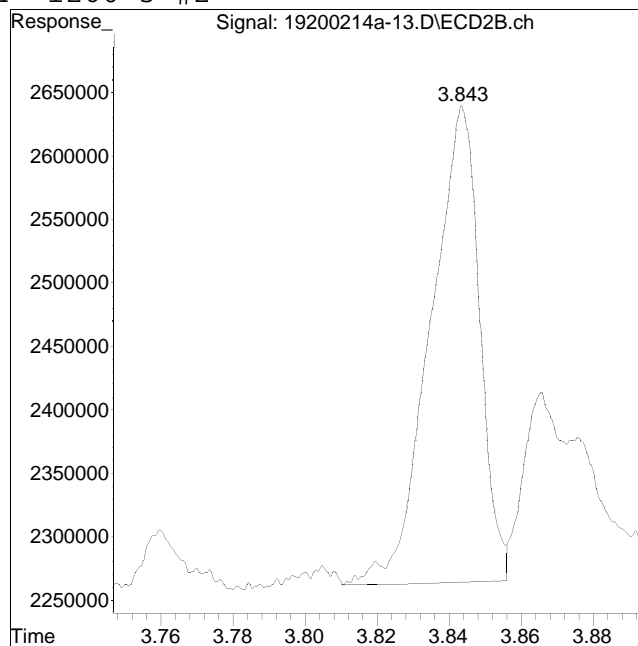
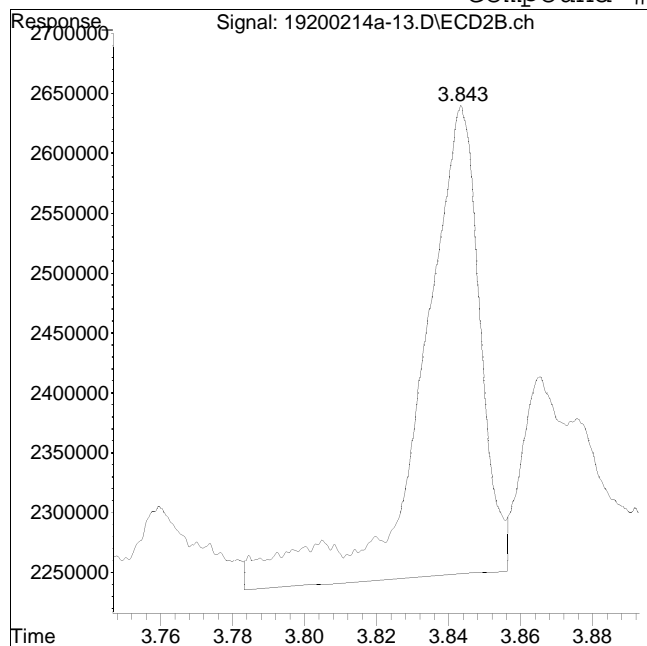
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-13.D
Date Inj'd : 2/14/2020 11:58 am
Sample : 12005778-22,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #64: 1260-5 #2



Original Peak Response = 4487290

Manual Peak Response = 3544770 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200217b\
 Data File : 19200217b-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Feb 2020 09:38 pm
 Operator : pest19:kb
 Sample : L2005778-18,42e,,
 Misc : wgl1341568,wgl1341282,ical16321
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 11:11:21 2020
 Quant Method : I:\Pest19\200217b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200217b\19200217b-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.034	29853946	42744666	250.000	250.000
Standard Area 1 : #1 = 30538476					Recovery =	97.76%
Standard Area 1 : #2 = 44992743					Recovery =	95.00%
14) i 2154_1br2nb	0.991	1.034	29853946	42744666	250.000	250.000
23) i 4268_1br2nb	0.991	1.034	29853946	42744666	250.000	250.000
34) i 1248_1br2nb	0.991	1.034	29853946	42744666	250.000	250.000
40) i 3262_1br2nb	0.991	1.034	29853946	42744666	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.246	1.378	52982347	77201118	340.082	353.617
Spiked Amount 500.000	Range 30 - 150				Recovery =	68.02%
70.72%						
3) s Decachlorobi	3.998	4.509	39716413	57189674	317.810	310.562
Spiked Amount 500.000	Range 30 - 150				Recovery =	63.56%
62.11%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.564	2.952	15600737	21540970	1982.767	1873.372
10) l2 1260-2	2.709	3.067	23827320	26856663	2014.053	1990.419
11) l2 1260-3	3.052	3.483	15763941	18895320	2047.611	1606.645
12) l2 1260-4	3.221	3.625	31308314	45150414	1934.020	1824.344
13) l2 1260-5	3.378	3.836	23756310	32378925	2030.909M1	1883.327
Sum 1260-1			110.3E6	144.8E6	10009.359	9178.106
Average 1260-1					2001.872	1835.621

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200217b\
 Data File : 19200217b-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Feb 2020 09:38 pm
 Operator : pest19:kb
 Sample : L2005778-18,42e,,
 Misc : wg1341568,wg1341282,ical16321
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 11:11:21 2020
 Quant Method : I:\Pest19\200217b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200217b\19200217b-22.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200217b\
 Data File : 19200217b-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Feb 2020 09:38 pm
 Operator : pest19:kb
 Sample : L2005778-18,42e,,
 Misc : wgl1341568,wgl1341282,ical16321
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 11:11:21 2020
 Quant Method : I:\Pest19\200217b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200217b\19200217b-22.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

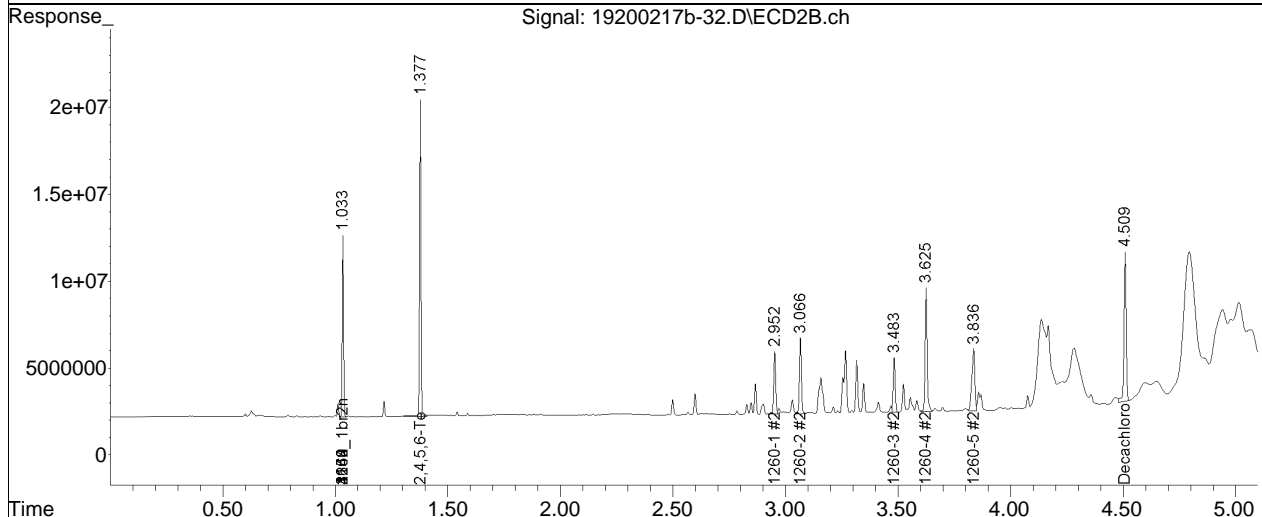
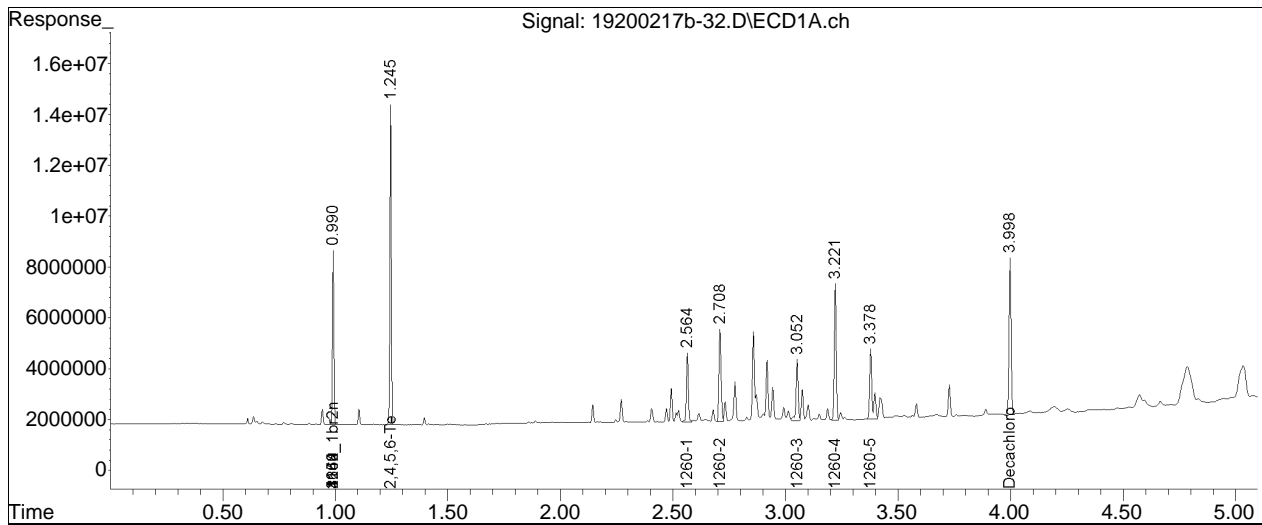
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-22.D••d)

Data Path : I:\Pest19\200217b\
Data File : 19200217b-32.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Feb 2020 09:38 pm
Operator : pest19:kb
Sample : L2005778-18,42e,,
Misc : wg1341568,wg1341282,ical16321
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 20 11:11:21 2020
Quant Method : I:\Pest19\200217b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sun Feb 16 19:46:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

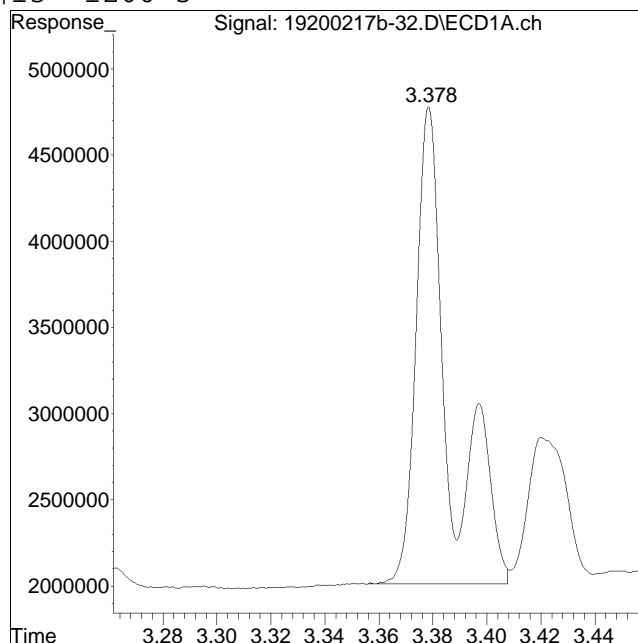
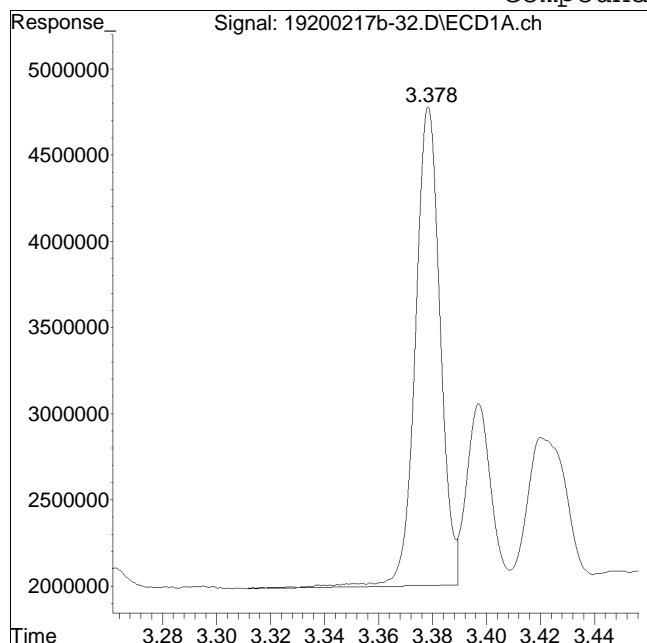


Manual Integration Report

Data Path : I:\Pest19\200217b\
Data File : 19200217b-32.D
Date Inj'd : 2/17/2020 9:38 pm
Sample : L2005778-18,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/20/2020 10:57 am

Compound #13: 1260-5



Original Peak Response = 17733916

Manual Peak Response = 23756310 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 1:17 pm
 Operator : pest2:ht
 Sample : l2005778-15,42e,,
 Misc : wgl1339494,wgl1339313,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:43:04 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200211A\P2200211a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.088	2.277	91055580	67390591	25.000	25.000
Standard Area 1 : #1 = 79154571					Recovery =	115.04%
Standard Area 1 : #2 = 59085668					Recovery =	114.06%
14) i 2154_1br2nb	2.088	2.277	91055580	67390591	25.000	25.000
23) i 4268_1br2nb	2.088	2.277	91055580	67390591	25.000	25.000
34) i 1248_1br2nb	2.088	2.277	91055580	67390591	25.000	25.000
40) i 3262_1br2nb	2.088	2.277	91055580	67390591	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.567	2.918	55856815	42292584	14.951	14.894
Spiked Amount 20.000	Range 30 - 150				Recovery =	74.76% 74.47%
3) s Decachlorobi	6.566	7.256f	51189912	35202465	14.273	15.859
Spiked Amount 20.000	Range 30 - 150				Recovery =	71.36% 79.30%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 1:17 pm
 Operator : pest2:ht
 Sample : l2005778-15,42e,,
 Misc : wgl1339494,wgl1339313,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:43:04 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200211A\P2200211a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D.	N.D.
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 1:17 pm
 Operator : pest2:ht
 Sample : 12005778-15,42e,,
 Misc : wgl339494,wgl339313,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:43:04 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200211A\P2200211a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

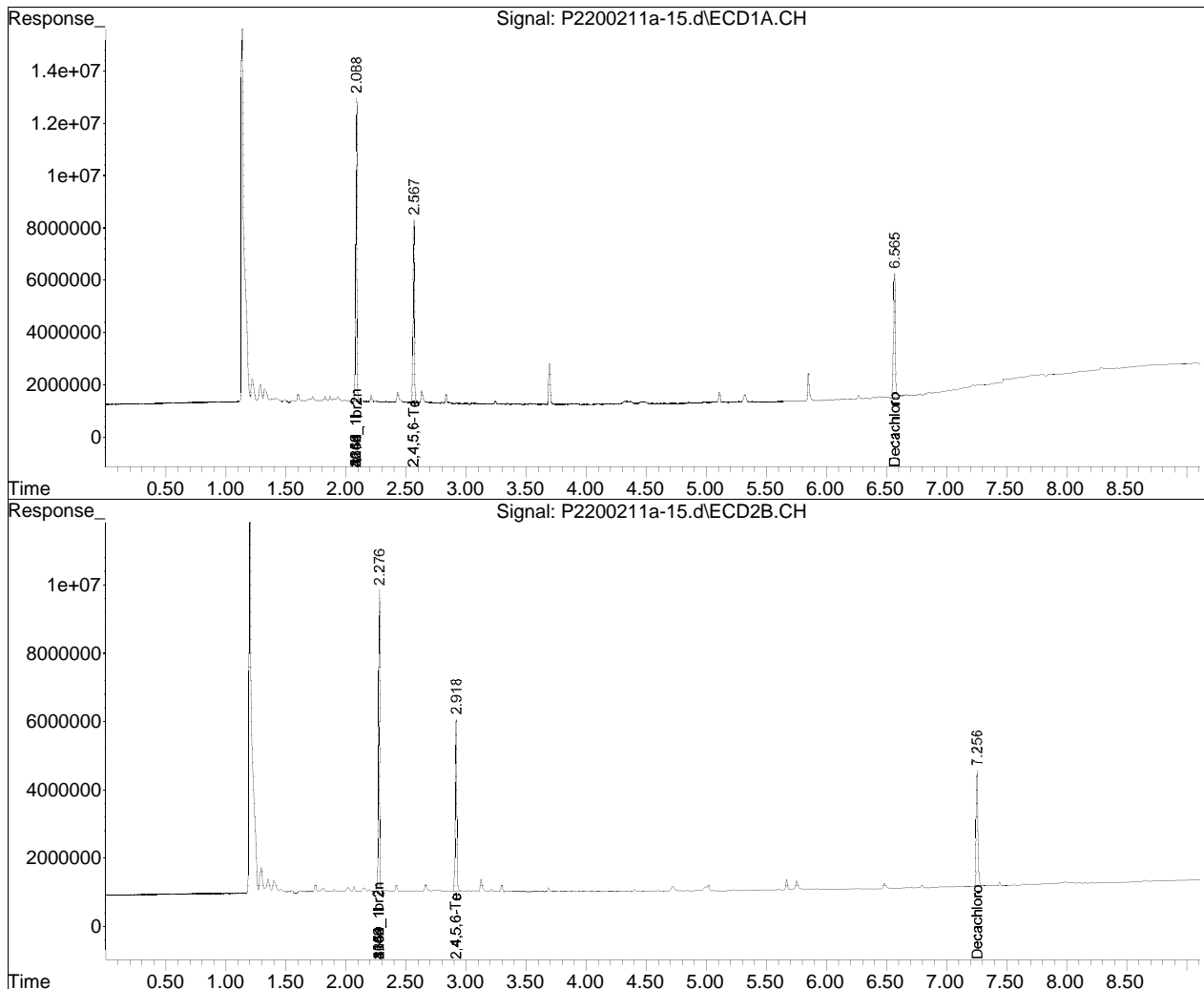
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200211A\
Data File : P2200211a-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Feb 2020 1:17 pm
Operator : pest2:ht
Sample : l2005778-15,42e,,
Misc : wg1339494,wg1339313,ical16010
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 14 00:43:04 2020
Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Mon Feb 03 12:53:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest2\200211A\ Data File	: P2200211a-15.d	QMethod	: P2_pcb_08_06_19_LVI_ugL_
Date Inj'd	: 2/11/2020 1:17 pm		Operator	: pest2:ht
Sample	: 12005778-15,42e,,		Instrument	: PEST 2
			Quant Date	: 2/14/2020 0:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 1:31 pm
 Operator : pest2:ht
 Sample : l2005778-33,42e,,
 Misc : wgl1339494,wgl1339313,ical16010
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:43:19 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200211A\P2200211a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.088	2.277	93287768	68848228	25.000	25.000
Standard Area 1 : #1 = 79154571					Recovery =	117.86%
Standard Area 1 : #2 = 59085668					Recovery =	116.52%
14) i 2154_1br2nb	2.088	2.277	93287768	68848228	25.000	25.000
23) i 4268_1br2nb	2.088	2.277	93287768	68848228	25.000	25.000
34) i 1248_1br2nb	2.088	2.277	93287768	68848228	25.000	25.000
40) i 3262_1br2nb	2.088	2.277	93287768	68848228	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.567	2.919	63551948	47862955	16.604	16.499
Spiked Amount 20.000	Range 30 - 150				Recovery =	83.02% 82.49%
3) s Decachlorobi	6.566	7.259	51549152	38055535	14.029	16.781
Spiked Amount 20.000	Range 30 - 150				Recovery =	70.14% 83.91%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 1:31 pm
 Operator : pest2:ht
 Sample : l2005778-33,42e,,
 Misc : wgl1339494,wgl1339313,ical16010
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:43:19 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200211A\P2200211a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D.
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D.	N.D.
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 1:31 pm
 Operator : pest2:ht
 Sample : 12005778-33,42e,,
 Misc : wgl339494,wgl339313,ical16010
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 00:43:19 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200211A\P2200211a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

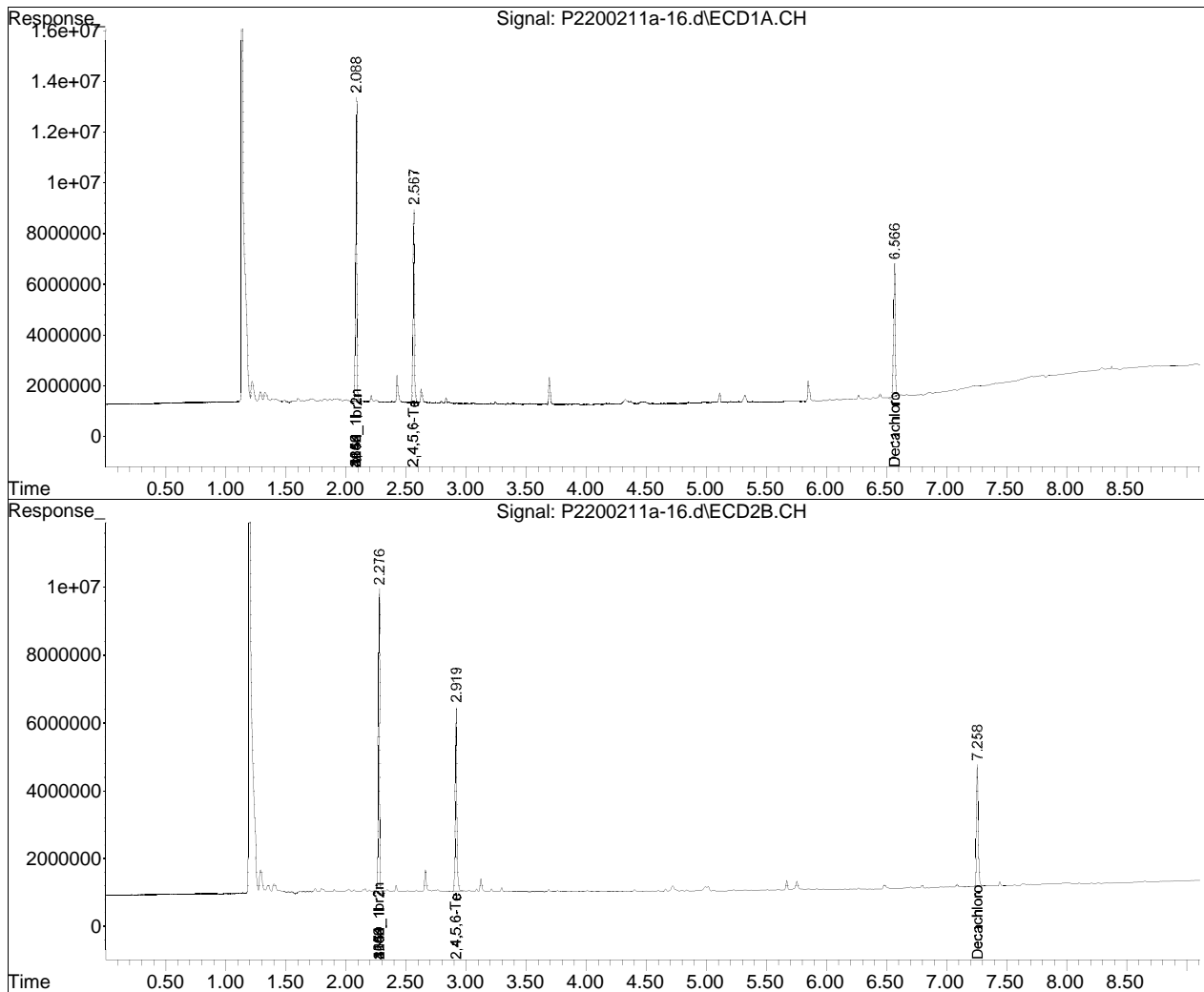
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200211A\
Data File : P2200211a-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Feb 2020 1:31 pm
Operator : pest2:ht
Sample : 12005778-33,42e,,
Misc : wg1339494,wg1339313,ical16010
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 14 00:43:19 2020
Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Mon Feb 03 12:53:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest2\200211A\ Data File	: P2200211a-16.d	QMethod	: P2_pcb_08_06_19_LVI_ugL_
Date Inj'd	: 2/11/2020 1:31 pm		Operator	: pest2:ht
Sample	: 12005778-33,42e,,		Instrument	: PEST 2
			Quant Date	: 2/14/2020 0:42 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-10.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:24 pm
 Operator : pest23:ht
 Sample : l2005778-14,42e,,p
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:29:45 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.929	1.074	23118586	22745524	250.000	250.000
Standard Area 1 : #1 = 21862497					Recovery =	105.75%
Standard Area 1 : #2 = 21444520					Recovery =	106.07%
14) i 2154_1br2nb	0.929	1.074	23118586	22745524	250.000	250.000
23) i 4268_1br2nb	0.929	1.074	23118586	22745524	250.000	250.000
34) i 1248_1br2nb	0.929	1.074	23118586	22745524	250.000	250.000
40) i 3262_1br2nb	0.929	1.074	23118586	22745524	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.171	1.422	25589416	23032874	181.074	183.218
Spiked Amount 500.000	Range 30 - 150				Recovery =	36.21%
3) s Decachlorobi	3.557	4.249	19257447	21043359	194.577	185.478M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	38.92%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.302f	2.809f	7899987	7079758	1129.388M4	1014.585M4
10) l2 1260-2	2.419f	2.910f	16155137	12204384	1512.709M4	1481.845M4
11) l2 1260-3	2.712f	3.285f	9387821	10431419	1419.501M4	1489.957M4
12) l2 1260-4	2.856f	3.415f	22853244	23392259	1615.524M4	1624.033M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-10.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:24 pm
 Operator : pest23:ht
 Sample : 12005778-14,42e,,p
 Misc : wg1339514,wg1339142,ical16474
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:29:45 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) 12	1260-5	2.996f	3.612f	13925445	17215745	1846.672M4	1687.057M4
	Sum 1260-1			70221634	70323565	7523.794	7297.477
	Average 1260-1					1504.759	1459.495
15) 13	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-10.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:24 pm
 Operator : pest23:ht
 Sample : l2005778-14,42e,,p
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:29:45 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-10.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:24 pm
 Operator : pest23:ht
 Sample : 12005778-14,42e,,p
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:29:45 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

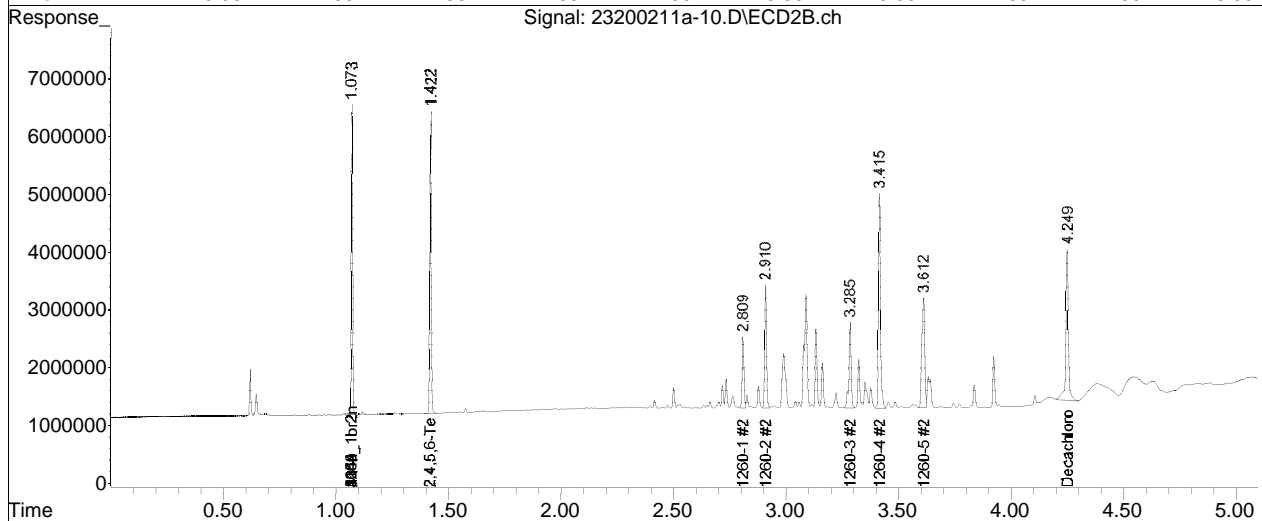
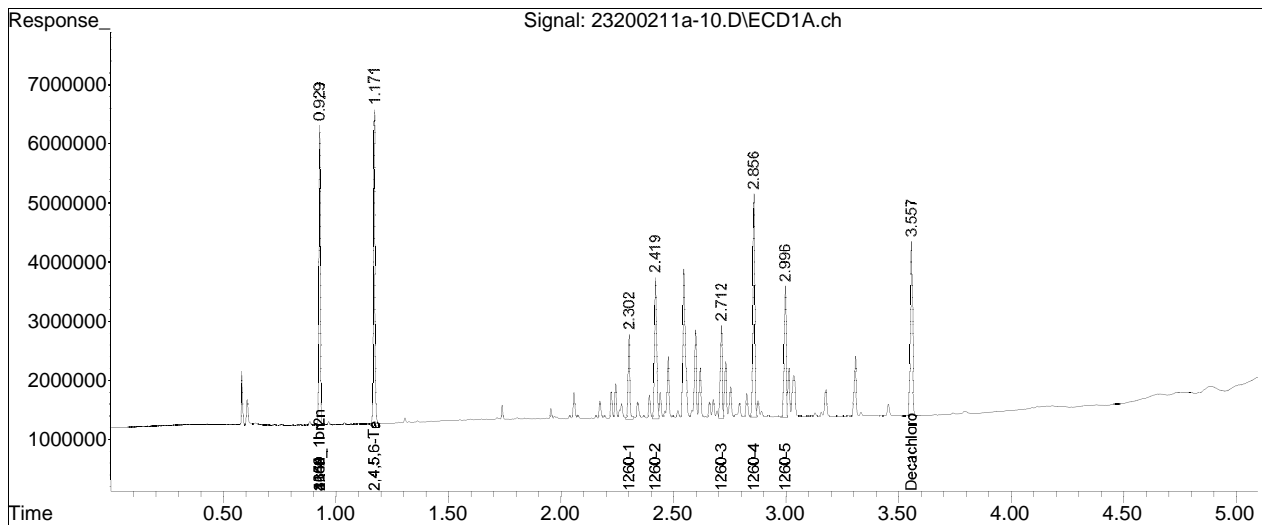
Sub List : Default - All compounds listed11a\23200211a-09.D**

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 03:24 pm
Operator : pest23:ht
Sample : l2005778-14,42e,,p
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:29:45 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

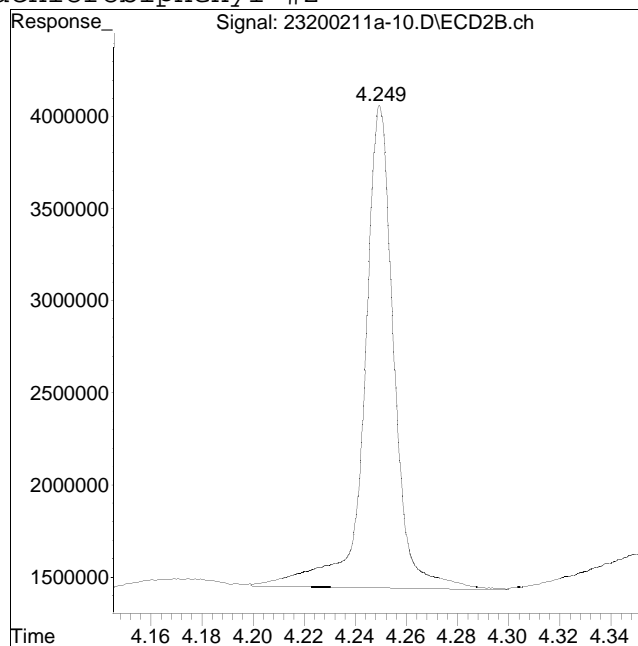
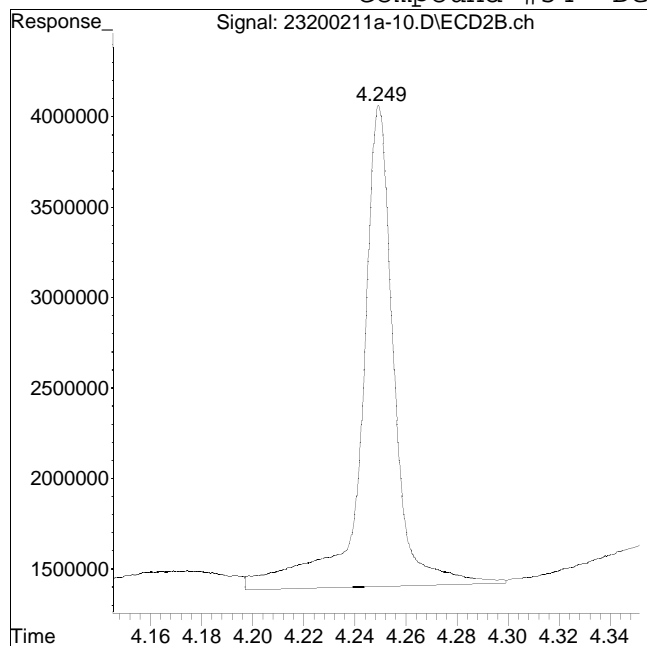
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-10.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:24 pm Instrument : Pest 23
Sample : 12005778-14,42e,,p Quant Date : 2/13/2020 10:19 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 23435726

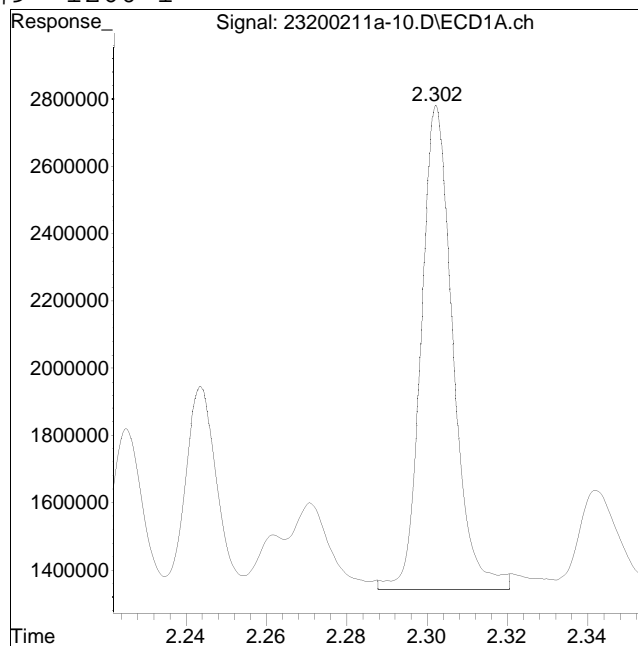
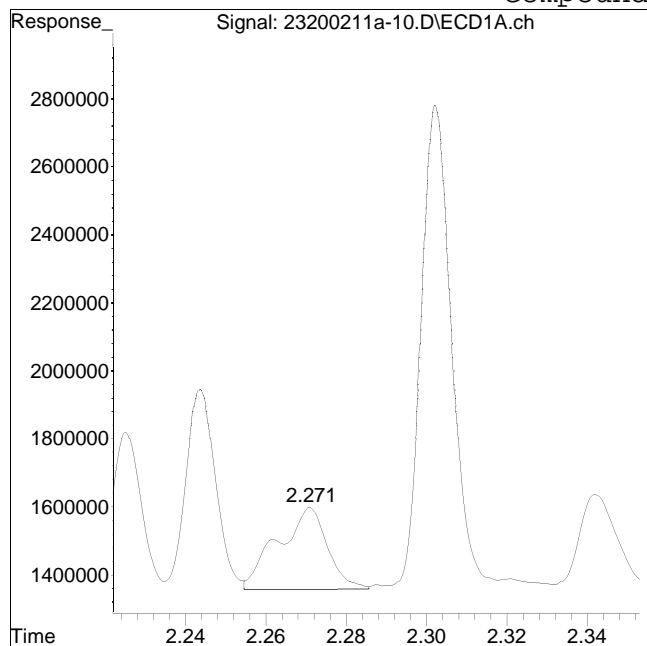
Manual Peak Response = 21043359 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-10.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:24 pm Instrument : Pest 23
Sample : 12005778-14,42e,,p Quant Date : 2/13/2020 10:19 pm

Compound #9: 1260-1



Original Peak Response = 2088901

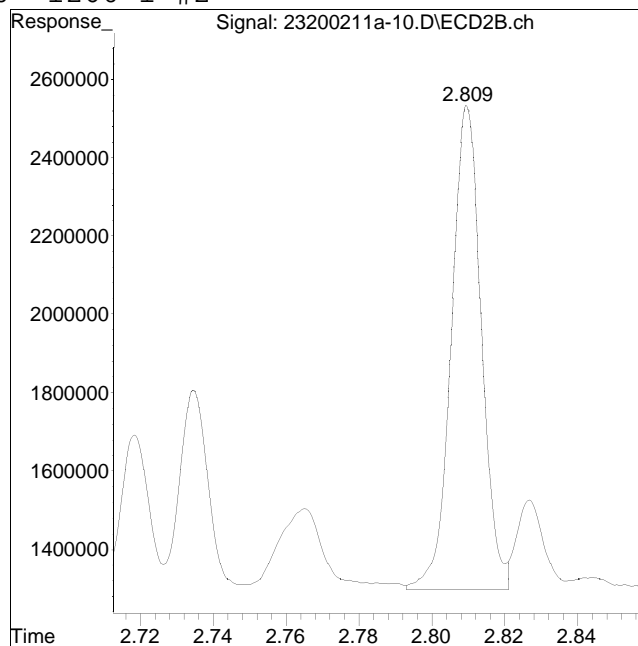
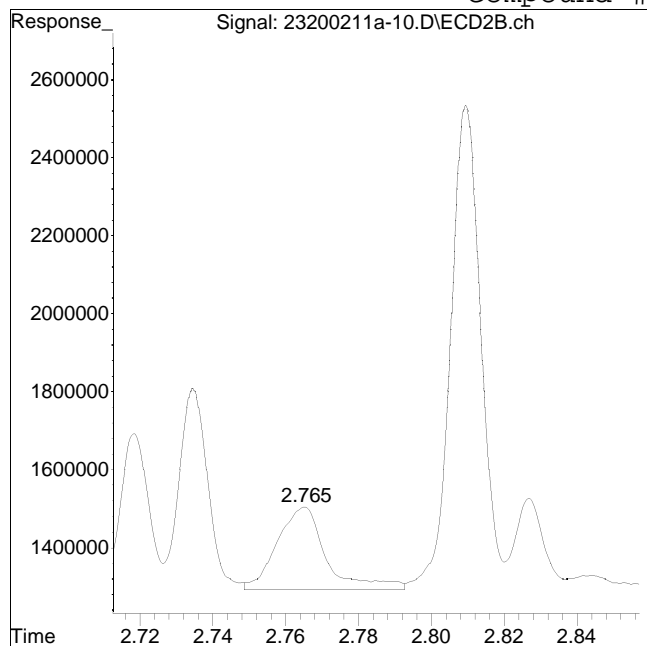
Manual Peak Response = 7899987 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-10.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:24 pm Instrument : Pest 23
Sample : 12005778-14,42e,,p Quant Date : 2/13/2020 10:19 pm

Compound #60: 1260-1 #2



Original Peak Response = 1993626

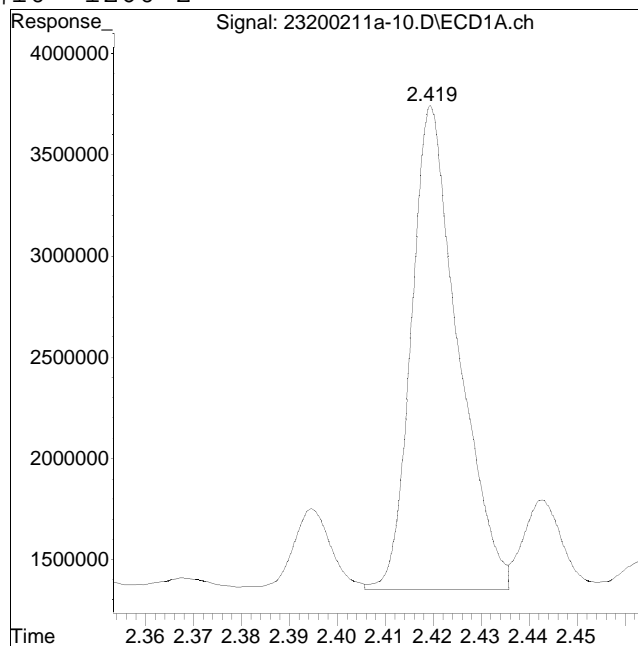
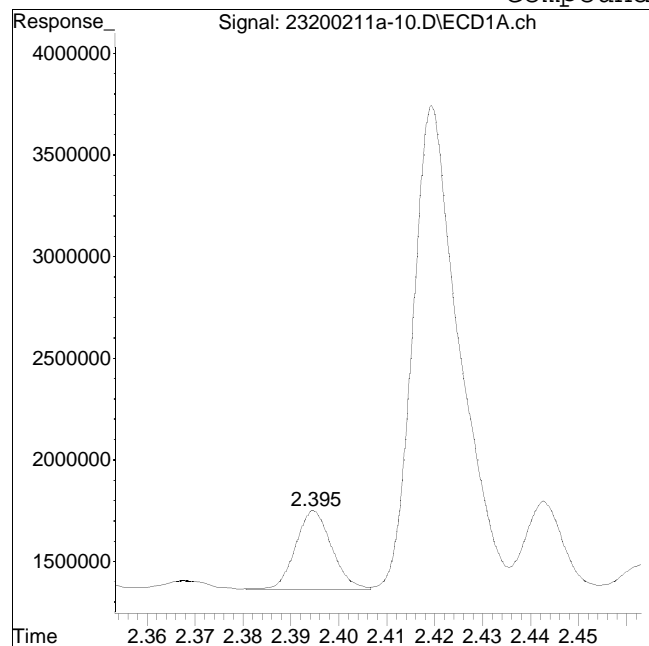
Manual Peak Response = 7079758 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-10.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:24 pm Instrument : Pest 23
Sample : 12005778-14,42e,,p Quant Date : 2/13/2020 10:19 pm

Compound #10: 1260-2



Original Peak Response = 2051934

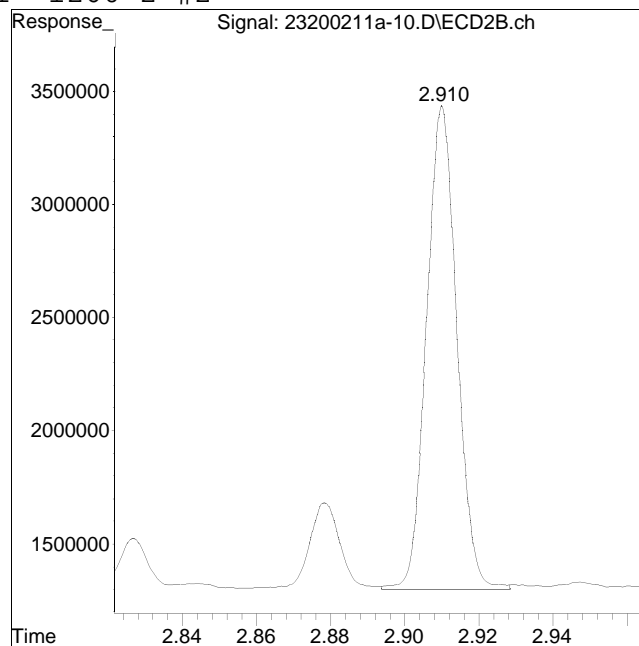
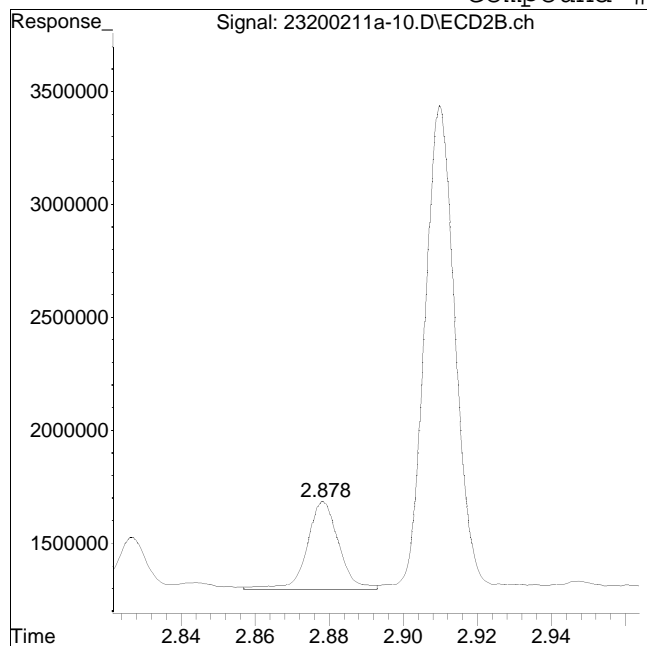
Manual Peak Response = 16155137 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-10.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:24 pm Instrument : Pest 23
Sample : 12005778-14,42e,,p Quant Date : 2/13/2020 10:19 pm

Compound #61: 1260-2 #2



Original Peak Response = 2380336

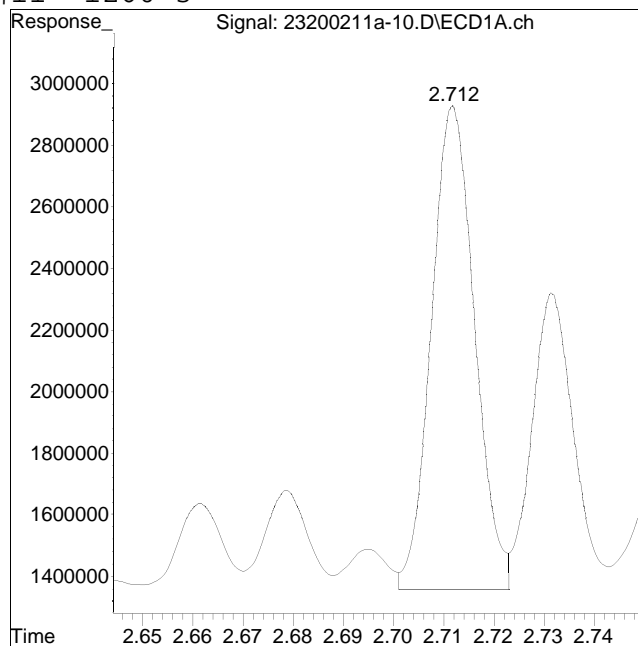
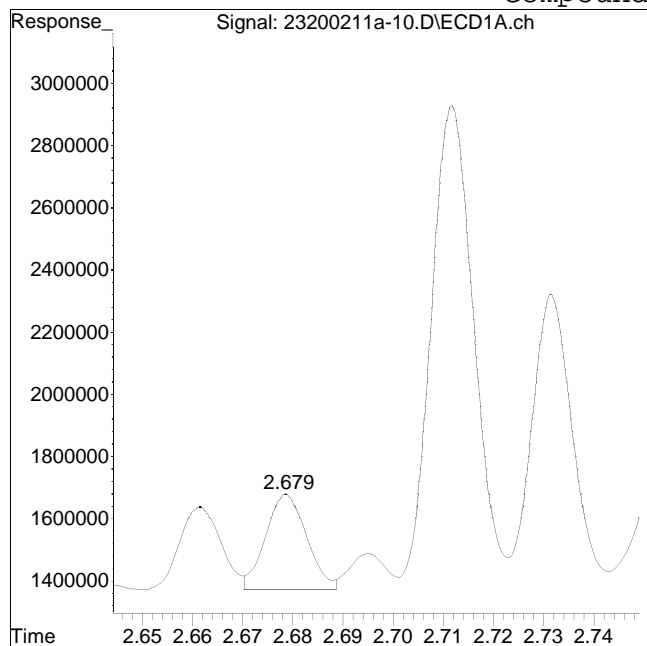
Manual Peak Response = 12204384 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-10.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:24 pm Instrument : Pest 23
Sample : 12005778-14,42e,,p Quant Date : 2/13/2020 10:19 pm

Compound #11: 1260-3



Original Peak Response = 1750123

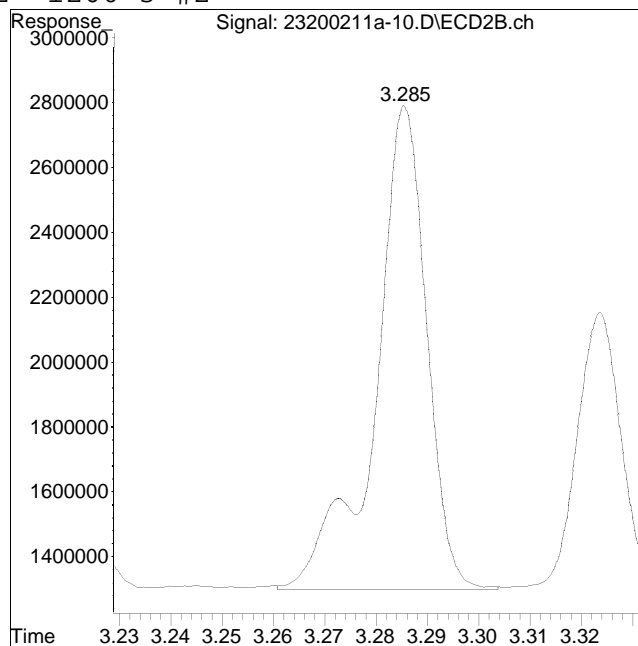
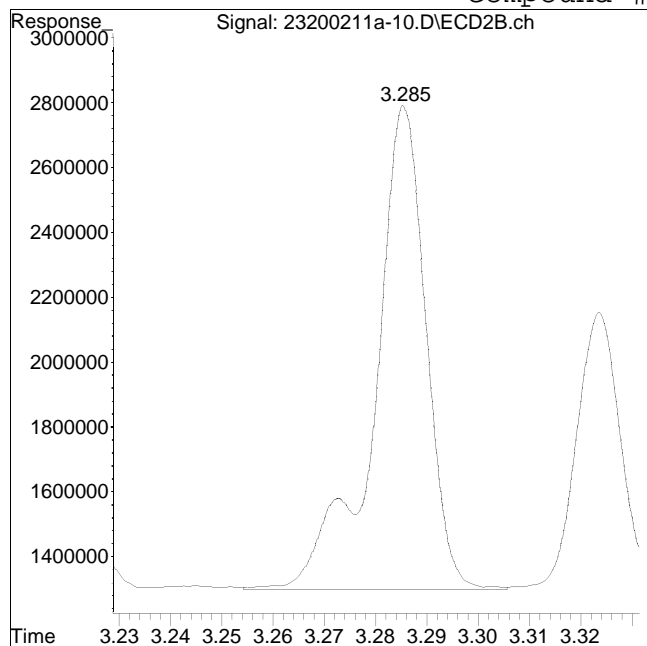
Manual Peak Response = 9387821 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-10.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:24 pm Instrument : Pest 23
Sample : 12005778-14,42e,,p Quant Date : 2/13/2020 10:19 pm

Compound #62: 1260-3 #2



Original Peak Response = 10477021

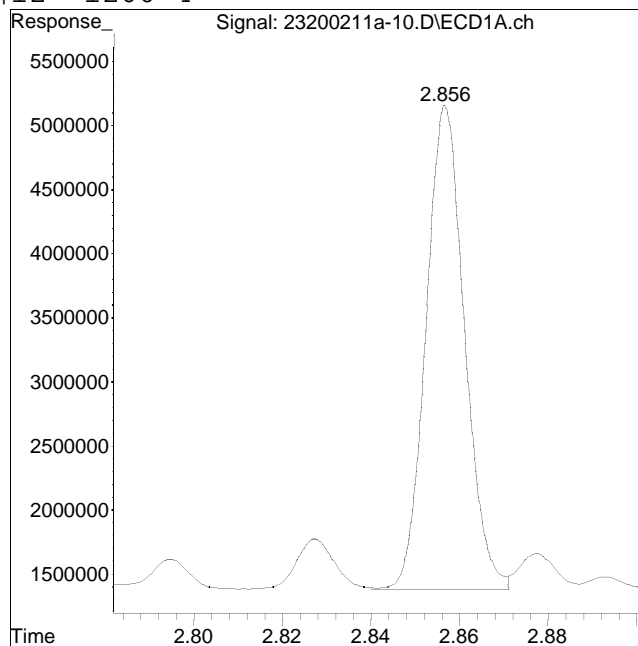
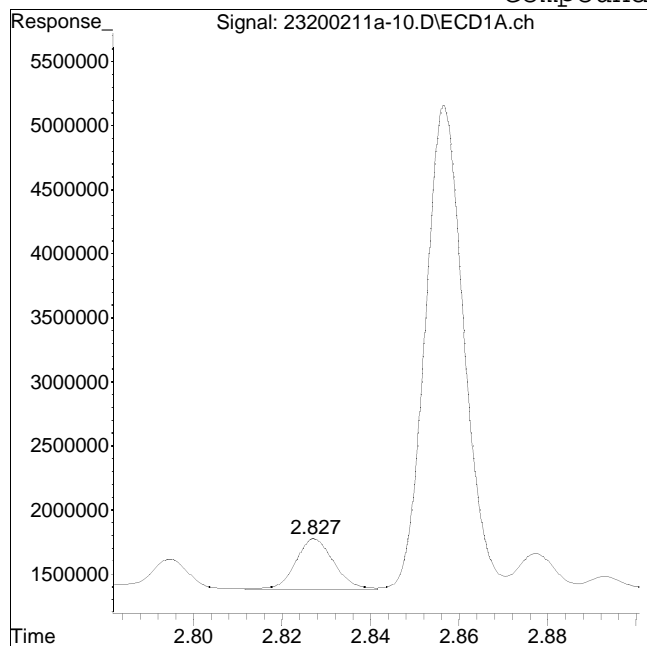
Manual Peak Response = 10431419 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-10.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:24 pm Instrument : Pest 23
Sample : 12005778-14,42e,,p Quant Date : 2/13/2020 10:19 pm

Compound #12: 1260-4



Original Peak Response = 2430123

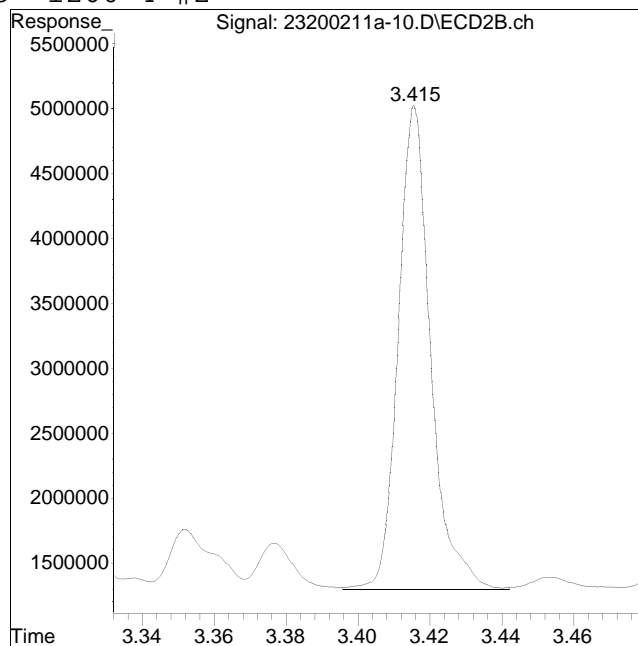
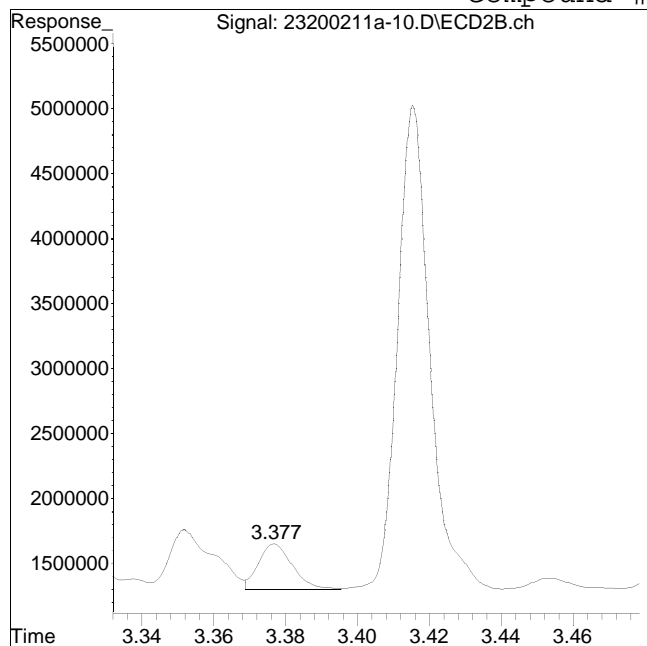
Manual Peak Response = 22853244 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-10.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:24 pm Instrument : Pest 23
Sample : 12005778-14,42e,,p Quant Date : 2/13/2020 10:19 pm

Compound #63: 1260-4 #2



Original Peak Response = 2368990

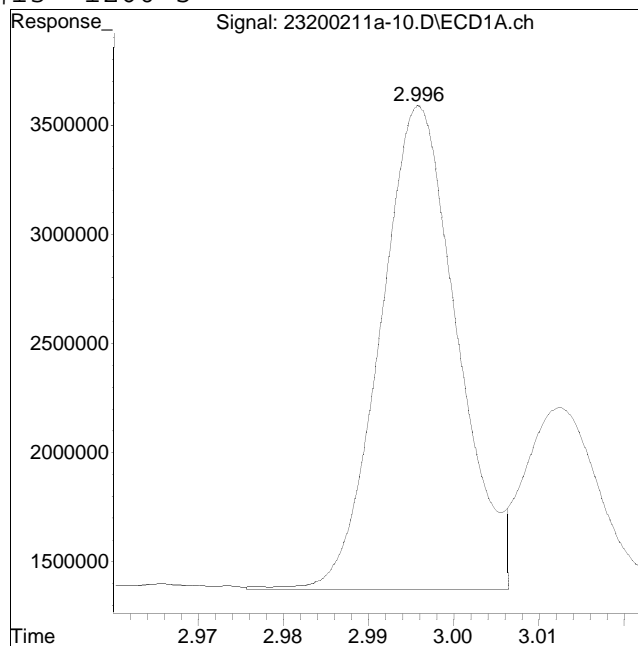
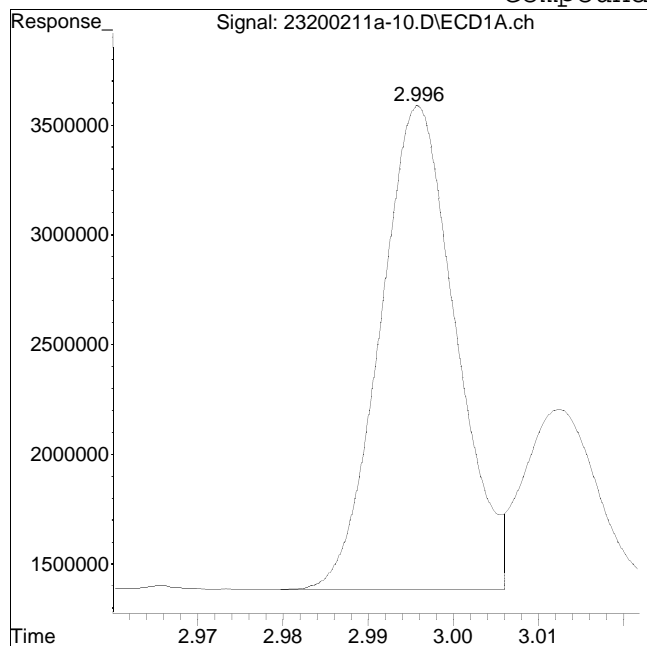
Manual Peak Response = 23392259 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-10.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:24 pm Instrument : Pest 23
Sample : 12005778-14,42e,,p Quant Date : 2/13/2020 10:19 pm

Compound #13: 1260-5



Original Peak Response = 13503536

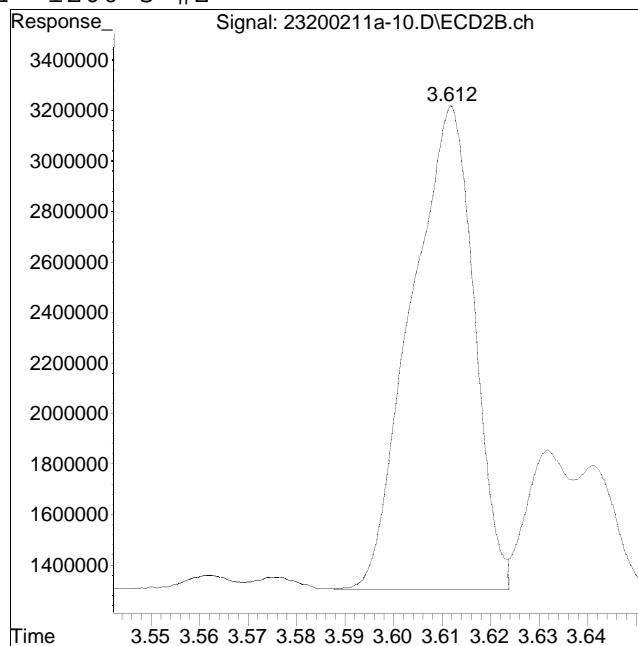
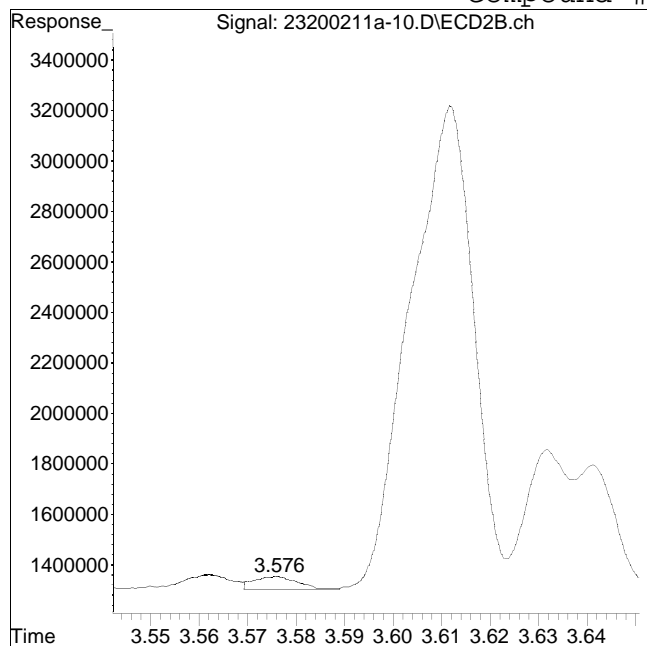
Manual Peak Response = 13925445 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-10.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:24 pm Instrument : Pest 23
Sample : 12005778-14,42e,,p Quant Date : 2/13/2020 10:19 pm

Compound #64: 1260-5 #2



M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:44 pm
 Operator : pest23:ht
 Sample : l2005778-01,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:31:01 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.928	1.078	26895855	26439053	250.000	250.000
Standard Area 1 : #1 = 21862497					Recovery =	123.02%
Standard Area 1 : #2 = 21444520					Recovery =	123.29%
14) i 2154_1br2nb	0.928	1.078	26895855	26439053	250.000	250.000
23) i 4268_1br2nb	0.928	1.078	26895855	26439053	250.000	250.000
34) i 1248_1br2nb	0.928	1.078	26895855	26439053	250.000	250.000
40) i 3262_1br2nb	0.928	1.078	26895855	26439053	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.167	1.424	31754878	29712165	193.145	203.331
Spiked Amount 500.000	Range 30 - 150				Recovery =	38.63%
3) s Decachlorobi	3.532	4.233	24774458	22324612	216.422	169.282
Spiked Amount 500.000	Range 30 - 150				Recovery =	43.28%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.274	2.793	34665015	33362460	4259.749	4113.183
10) l2 1260-2	2.391	2.893	69803179	58779924	5618.182	6139.965
11) l2 1260-3	2.684	3.270	39968150	47365512	5194.706	5820.264
12) l2 1260-4	2.829	3.400	102.4E6	112.2E6	6221.676	6703.535
13) l2 1260-5	2.969	3.597	59705456	78574442	6805.667	6624.230
Sum 1260-1			306.5E6	330.3E6	28099.980	29401.177
Average 1260-1					5619.996	5880.235

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:44 pm
 Operator : pest23:ht
 Sample : l2005778-01,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:31:01 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:44 pm
 Operator : pest23:ht
 Sample : l2005778-01,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:31:01 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:44 pm
 Operator : pest23:ht
 Sample : l2005778-01,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:31:01 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

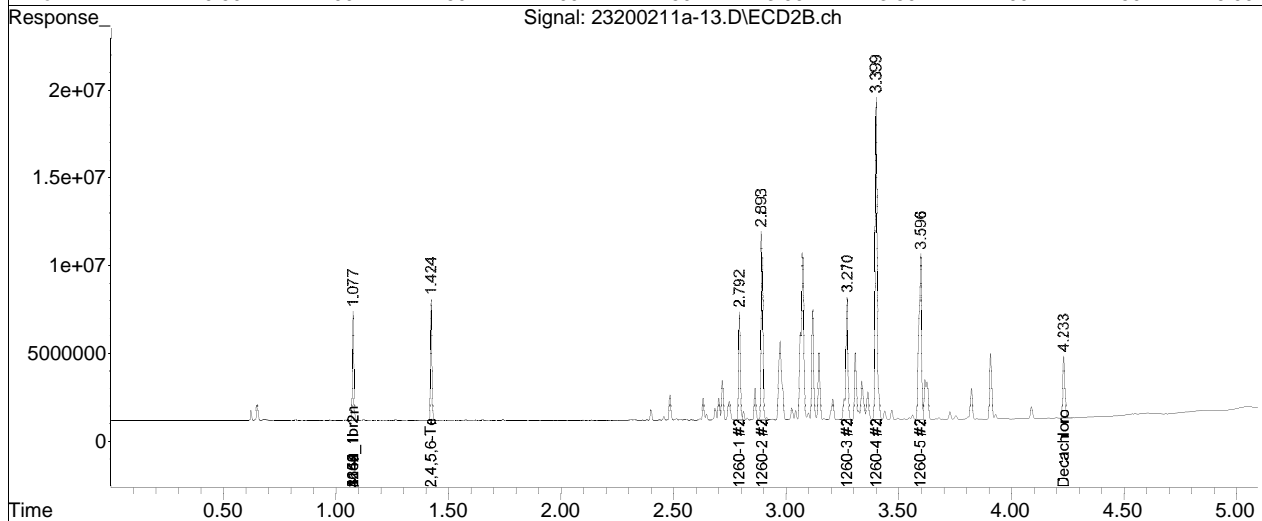
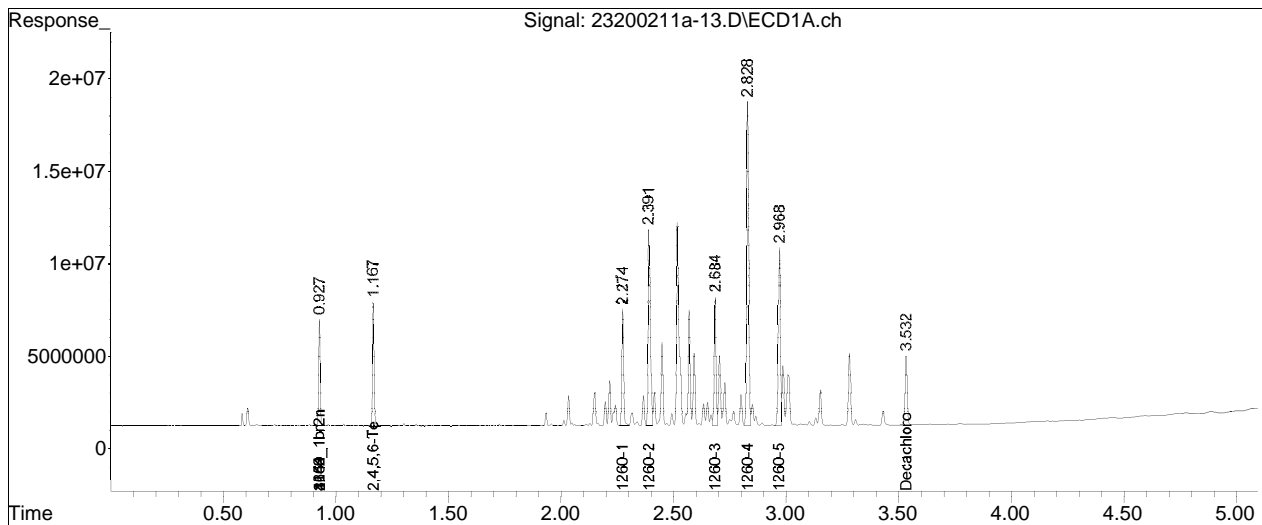
Sub List : Default - All compounds listed11a\23200211a-09.D••

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 03:44 pm
Operator : pest23:ht
Sample : l2005778-01,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:31:01 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-13.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:44 pm Instrument : Pest 23
Sample : 12005778-01,42e,, Quant Date : 2/13/2020 10:19 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:51 pm
 Operator : pest23:ht
 Sample : l2005778-02,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:31:31 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.928	1.078	26684661	25911038	250.000	250.000
Standard Area 1 : #1 = 21862497					Recovery =	122.06%
Standard Area 1 : #2 = 21444520					Recovery =	120.83%
14) i 2154_1br2nb	0.928	1.078	26684661	25911038	250.000	250.000
23) i 4268_1br2nb	0.928	1.078	26684661	25911038	250.000	250.000
34) i 1248_1br2nb	0.928	1.078	26684661	25911038	250.000	250.000
40) i 3262_1br2nb	0.928	1.078	26684661	25911038	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.167	1.424	43324088	41278532	265.599	288.240
Spiked Amount 500.000	Range 30 - 150				Recovery =	53.12%
3) s Decachlorobi	3.532	4.232	34507985	31598456	308.634	244.486
Spiked Amount 500.000	Range 30 - 150				Recovery =	61.73%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.274	2.793	44997371	43948833	5573.184	5528.769
10) l2 1260-2	2.391	2.893	89812176	75373767	7285.837	8033.748
11) l2 1260-3	2.684	3.270	52921162	63274512	6932.661	7933.600
12) l2 1260-4	2.829	3.400	136.8E6	151.9E6	8381.192	9254.838
13) l2 1260-5	2.969	3.596	78645689	107.2E6	9035.564	9217.526
Sum 1260-1			403.2E6	441.6E6	37208.438	39968.481
Average 1260-1					7441.688	7993.696

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:51 pm
 Operator : pest23:ht
 Sample : l2005778-02,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:31:31 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:51 pm
 Operator : pest23:ht
 Sample : l2005778-02,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:31:31 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:51 pm
 Operator : pest23:ht
 Sample : l2005778-02,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:31:31 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

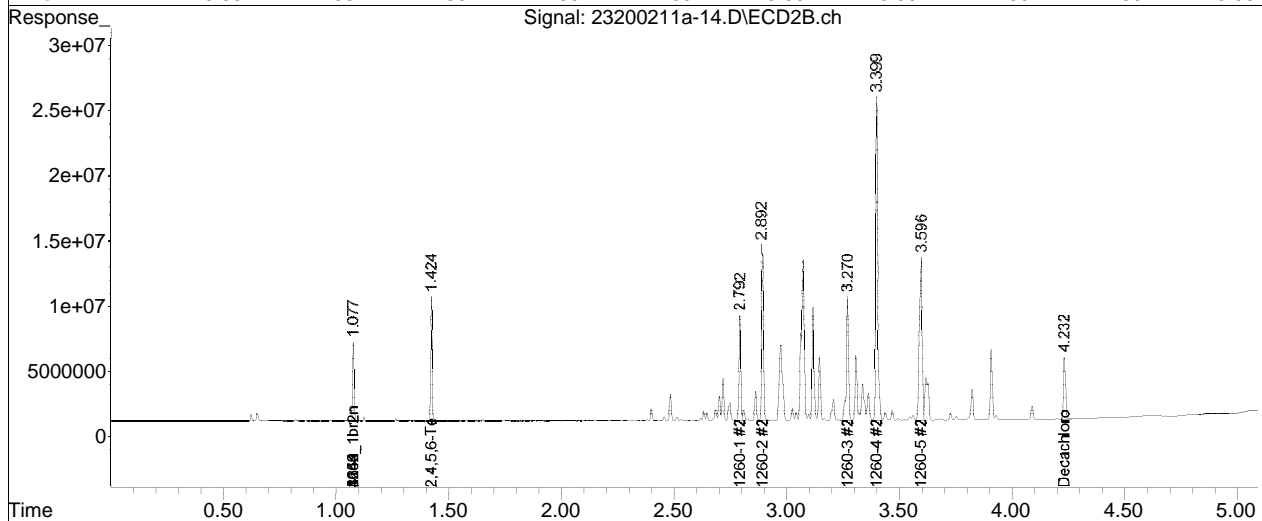
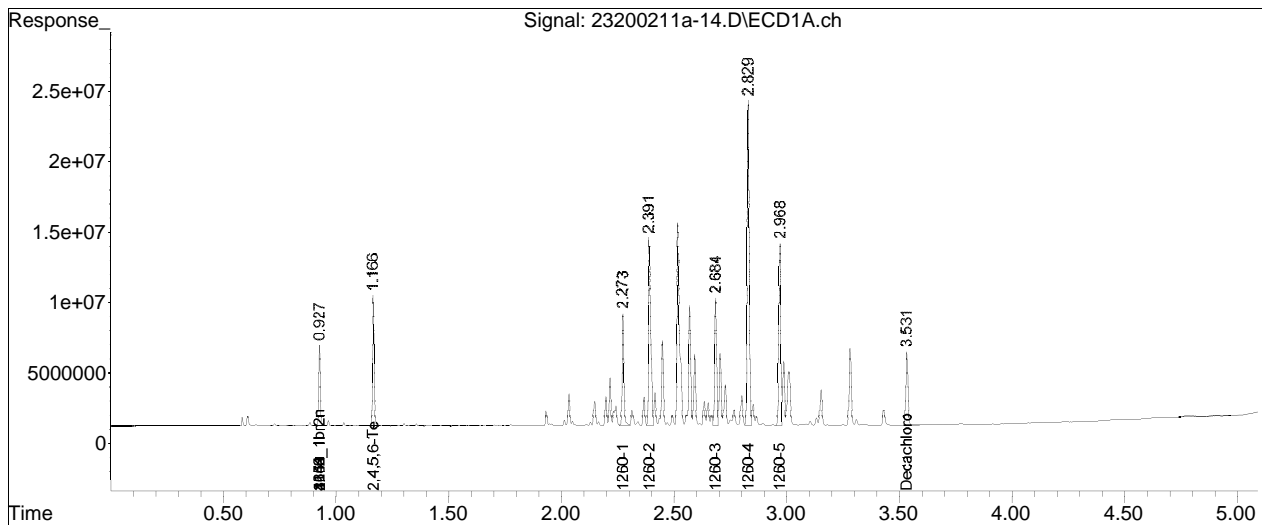
Sub List : Default - All compounds listed11a\23200211a-09.D••

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 03:51 pm
Operator : pest23:ht
Sample : 12005778-02,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:31:31 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-14.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:51 pm Instrument : Pest 23
Sample : 12005778-02,42e,, Quant Date : 2/13/2020 10:19 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:58 pm
 Operator : pest23:ht
 Sample : l2005778-03,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:32:01 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.927	1.077	26378576	25576058	250.000	250.000
Standard Area 1 : #1 = 21862497				Recovery =		120.66%
Standard Area 1 : #2 = 21444520				Recovery =		119.27%
14) i 2154_1br2nb	0.927	1.077	26378576	25576058	250.000	250.000
23) i 4268_1br2nb	0.927	1.077	26378576	25576058	250.000	250.000
34) i 1248_1br2nb	0.927	1.077	26378576	25576058	250.000	250.000
40) i 3262_1br2nb	0.927	1.077	26378576	25576058	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.166	1.424	41215754	38962732	255.605	275.633
Spiked Amount 500.000	Range 30 - 150	Recovery =			51.12%	55.13%
3) s Decachlorobi	3.531	4.232	32173775	29590878	290.421	231.951
Spiked Amount 500.000	Range 30 - 150	Recovery =			58.08%	46.39%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.273	2.792	7368547	6889888	923.227	878.101
10) l2 1260-2	2.391	2.893	13883583	10643388	1139.347	1149.289
11) l2 1260-3	2.684	3.270	8140751	9262058	1078.811	1176.522
12) l2 1260-4	2.828	3.399	18670029	19420308	1156.699	1199.061
13) l2 1260-5	2.969	3.596	11058576	14425159	1285.257	1257.150
Sum 1260-1			59121487	60640802	5583.341	5660.123
Average 1260-1					1116.668	1132.025

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:58 pm
 Operator : pest23:ht
 Sample : l2005778-03,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:32:01 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:58 pm
 Operator : pest23:ht
 Sample : l2005778-03,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:32:01 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 03:58 pm
 Operator : pest23:ht
 Sample : l2005778-03,42e,,
 Misc : wg1339514,wg1339142,ical16474
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:32:01 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

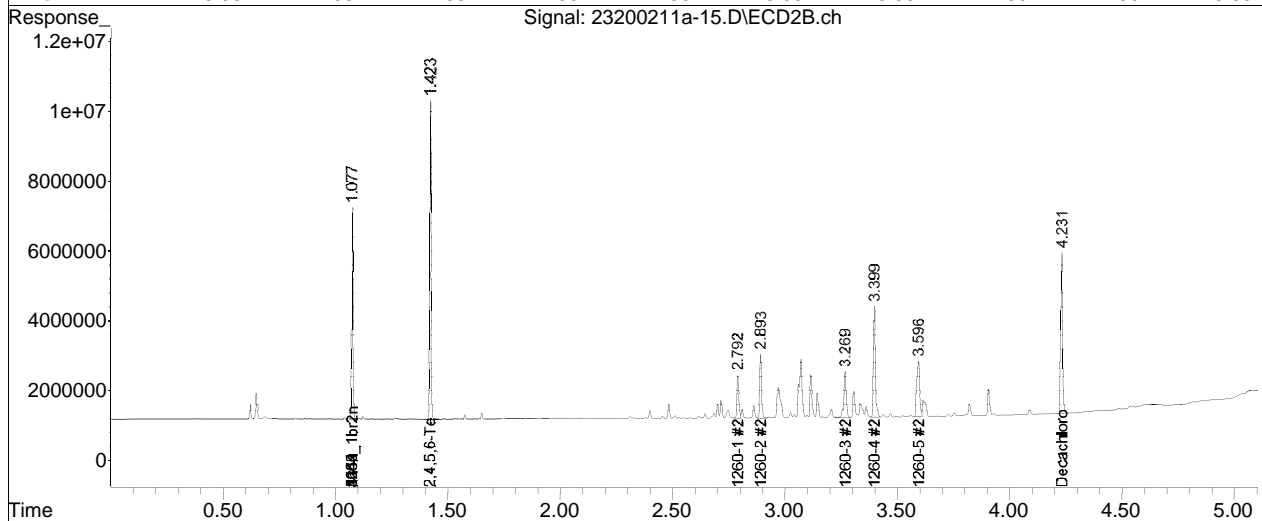
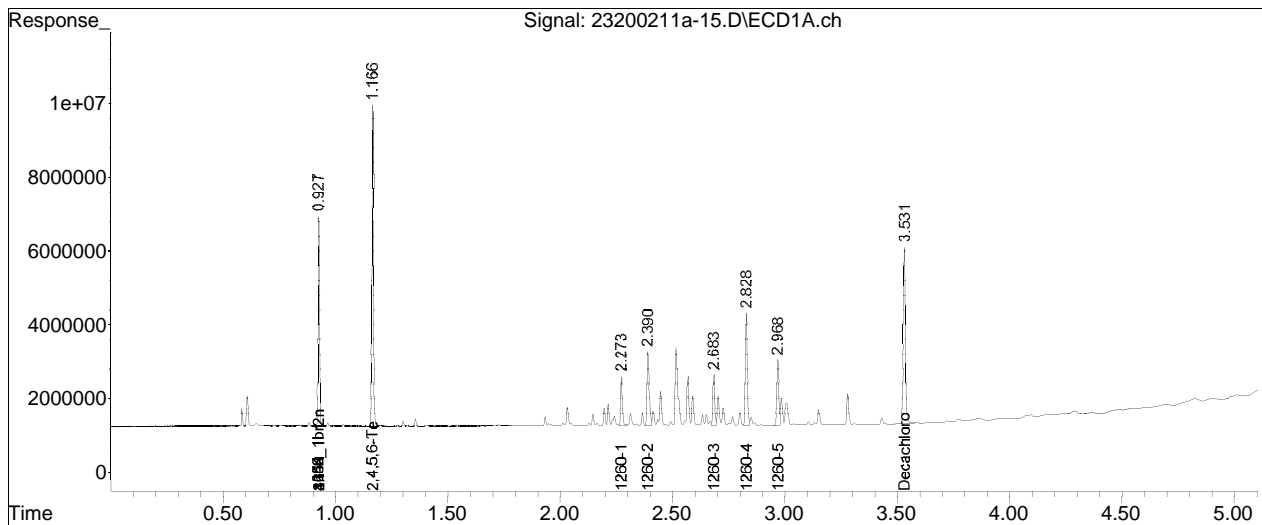
Sub List : Default - All compounds listed11a\23200211a-09.D**

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 03:58 pm
Operator : pest23:ht
Sample : 12005778-03,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:32:01 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-15.D Operator : pest23:ht
Date Inj'd : 2/11/2020 3:58 pm Instrument : Pest 23
Sample : 12005778-03,42e,, Quant Date : 2/13/2020 10:19 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:05 pm
 Operator : pest23:ht
 Sample : l2005778-04,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:32:27 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.927	1.077	27841666	26921165	250.000	250.000
Standard Area 1 : #1 = 21862497					Recovery =	127.35%
Standard Area 1 : #2 = 21444520					Recovery =	125.54%
14) i 2154_1br2nb	0.927	1.077	27841666	26921165	250.000	250.000
23) i 4268_1br2nb	0.927	1.077	27841666	26921165	250.000	250.000
34) i 1248_1br2nb	0.927	1.077	27841666	26921165	250.000	250.000
40) i 3262_1br2nb	0.927	1.077	27841666	26921165	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.166	1.424	37790482	35727430	222.047	240.117
Spiked Amount 500.000	Range 30 - 150				Recovery =	44.41%
3) s Decachlorobi	3.530	4.232	24635082	22708735	207.426	169.111
Spiked Amount 500.000	Range 30 - 150				Recovery =	41.49%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.273	2.792	1970398	1849980	233.904	223.995
10) l2 1260-2	2.391	2.892	3616472	2596348	281.187	266.350
11) l2 1260-3	2.683	3.269	2412641	2300048	302.921	277.568
12) l2 1260-4	2.828	3.399	4838476	4808057	284.014	282.029
13) l2 1260-5	2.968	3.596	2765786	3473920	304.555	287.625
Sum 1260-1			15603774	15028354	1406.581	1337.567
Average 1260-1					281.316	267.513

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:05 pm
 Operator : pest23:ht
 Sample : l2005778-04,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:32:27 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:05 pm
 Operator : pest23:ht
 Sample : l2005778-04,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:32:27 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:05 pm
 Operator : pest23:ht
 Sample : l2005778-04,42e,,
 Misc : wg1339514,wg1339142,ical16474
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:32:27 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

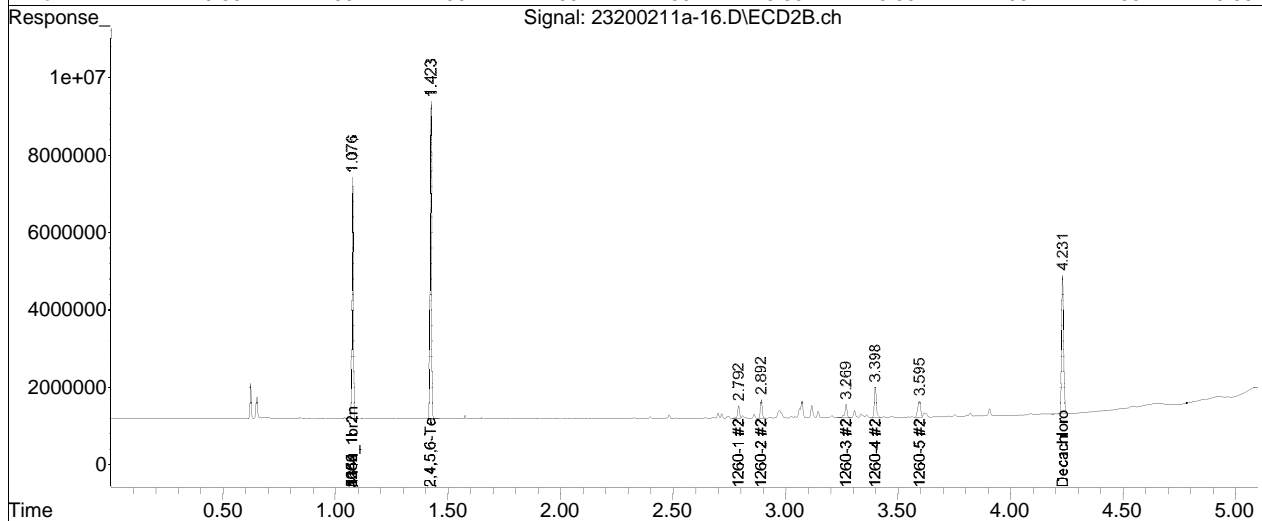
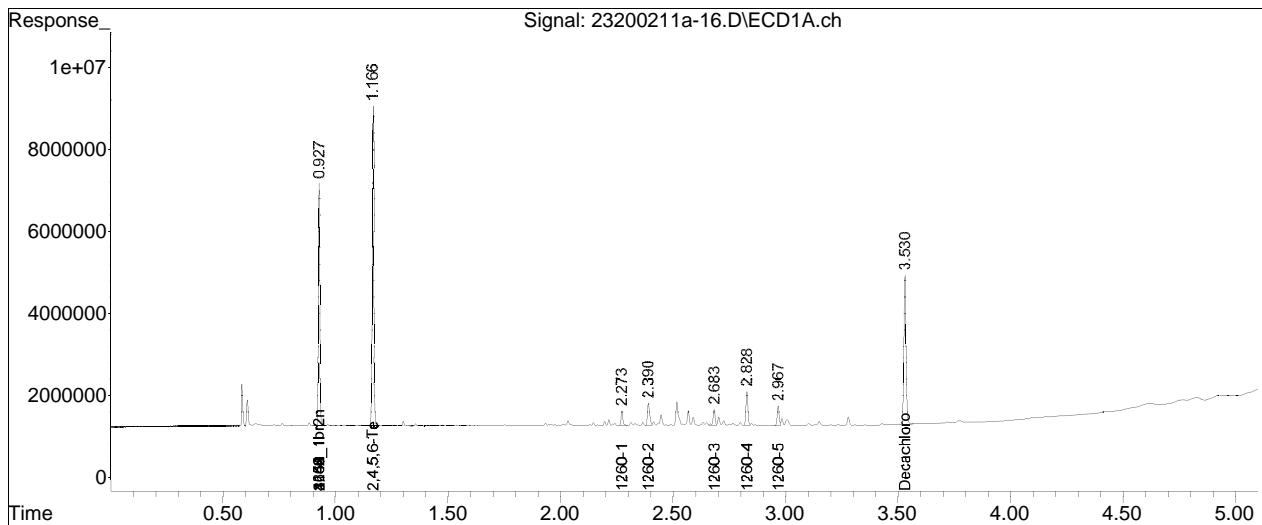
Sub List : Default - All compounds listed11a\23200211a-09.D**

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 04:05 pm
Operator : pest23:ht
Sample : 12005778-04,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:32:27 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-16.D Operator : pest23:ht
Date Inj'd : 2/11/2020 4:05 pm Instrument : Pest 23
Sample : 12005778-04,42e,, Quant Date : 2/13/2020 10:19 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:11 pm
 Operator : pest23:ht
 Sample : l2005778-05,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:32:57 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.927	1.077	26573573	25663326	250.000	250.000
Standard Area 1 : #1 = 21862497				Recovery =		121.55%
Standard Area 1 : #2 = 21444520				Recovery =		119.67%
14) i 2154_1br2nb	0.927	1.077	26573573	25663326	250.000	250.000
23) i 4268_1br2nb	0.927	1.077	26573573	25663326	250.000	250.000
34) i 1248_1br2nb	0.927	1.077	26573573	25663326	250.000	250.000
40) i 3262_1br2nb	0.927	1.077	26573573	25663326	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.166	1.423	27296576	25528159	168.041	179.979
Spiked Amount 500.000	Range 30 - 150	Recovery =			33.61%	36.00%
3) s Decachlorobi	3.529	4.231	22476900	20928547	197.762	163.493
Spiked Amount 500.000	Range 30 - 150	Recovery =			39.55%	32.70%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.273	2.792	4941569	4526092	614.600	574.879
10) l2 1260-2	2.390	2.892	9566667	7290758	779.322	784.590
11) l2 1260-3	2.683	3.269	5776525	6216377	759.887	786.956
12) l2 1260-4	2.828	3.398	13449473	13543000	827.146	833.337
13) l2 1260-5	2.967	3.595	7719548	9950240	890.603	864.213
Sum 1260-1			41453782	41526466	3871.557	3843.974
Average 1260-1					774.311	768.795

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:11 pm
 Operator : pest23:ht
 Sample : l2005778-05,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:32:57 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:11 pm
 Operator : pest23:ht
 Sample : l2005778-05,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:32:57 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:11 pm
 Operator : pest23:ht
 Sample : l2005778-05,42e,,
 Misc : wg1339514,wg1339142,ical16474
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:32:57 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

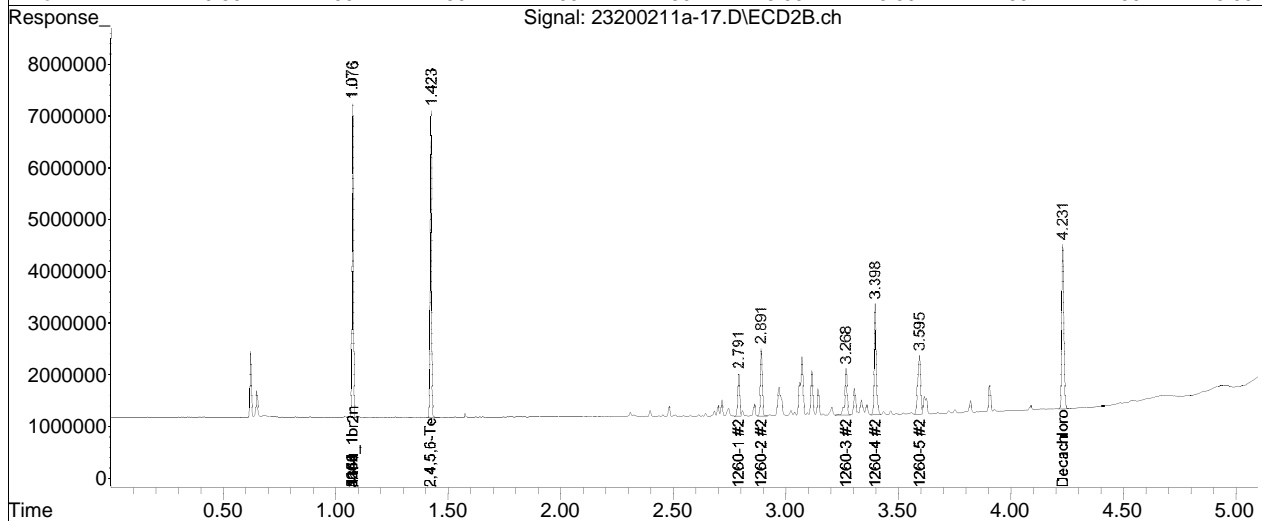
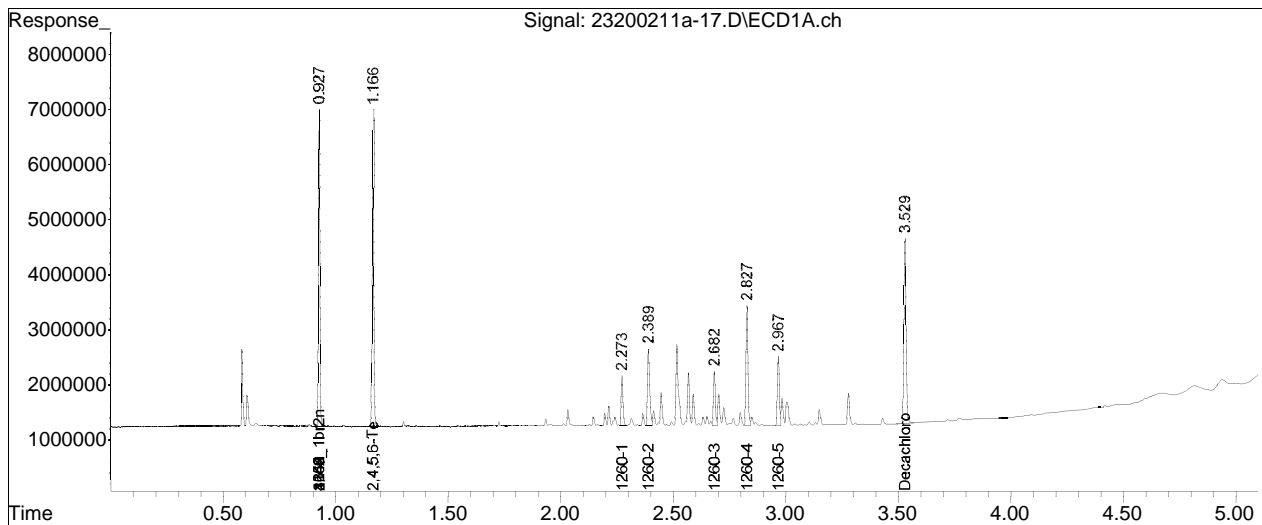
Sub List : Default - All compounds listed11a\23200211a-09.D••

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 04:11 pm
Operator : pest23:ht
Sample : l2005778-05,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:32:57 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-17.D Operator : pest23:ht
Date Inj'd : 2/11/2020 4:11 pm Instrument : Pest 23
Sample : 12005778-05,42e,, Quant Date : 2/13/2020 10:19 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:18 pm
 Operator : pest23:ht
 Sample : l2005778-06,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:33:24 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.927	1.077	27750118	26717256	250.000	250.000
Standard Area 1 : #1 = 21862497					Recovery =	126.93%
Standard Area 1 : #2 = 21444520					Recovery =	124.59%
14) i 2154_1br2nb	0.927	1.077	27750118	26717256	250.000	250.000
23) i 4268_1br2nb	0.927	1.077	27750118	26717256	250.000	250.000
34) i 1248_1br2nb	0.927	1.077	27750118	26717256	250.000	250.000
40) i 3262_1br2nb	0.927	1.077	27750118	26717256	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.166	1.424	42499307	40595815	250.539	274.919
Spiked Amount 500.000	Range 30 - 150				Recovery =	50.11%
3) s Decachlorobi	3.530	4.231	33160902	31069590	284.297	233.140
Spiked Amount 500.000	Range 30 - 150				Recovery =	56.86%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.273	2.792	5006397	4516552	596.264	551.037
10) l2 1260-2	2.390	2.892	9202209	6829628	717.849	705.973
11) l2 1260-3	2.683	3.269	5393223	5666418	679.385	689.038
12) l2 1260-4	2.827	3.398	12419880	12073592	731.441	713.614
13) l2 1260-5	2.967	3.595	6955033	9032060	768.381	753.520
Sum 1260-1			38976742	38118249	3493.319	3413.182
Average 1260-1					698.664	682.636

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:18 pm
 Operator : pest23:ht
 Sample : l2005778-06,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:33:24 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:18 pm
 Operator : pest23:ht
 Sample : l2005778-06,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:33:24 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:18 pm
 Operator : pest23:ht
 Sample : l2005778-06,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:33:24 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

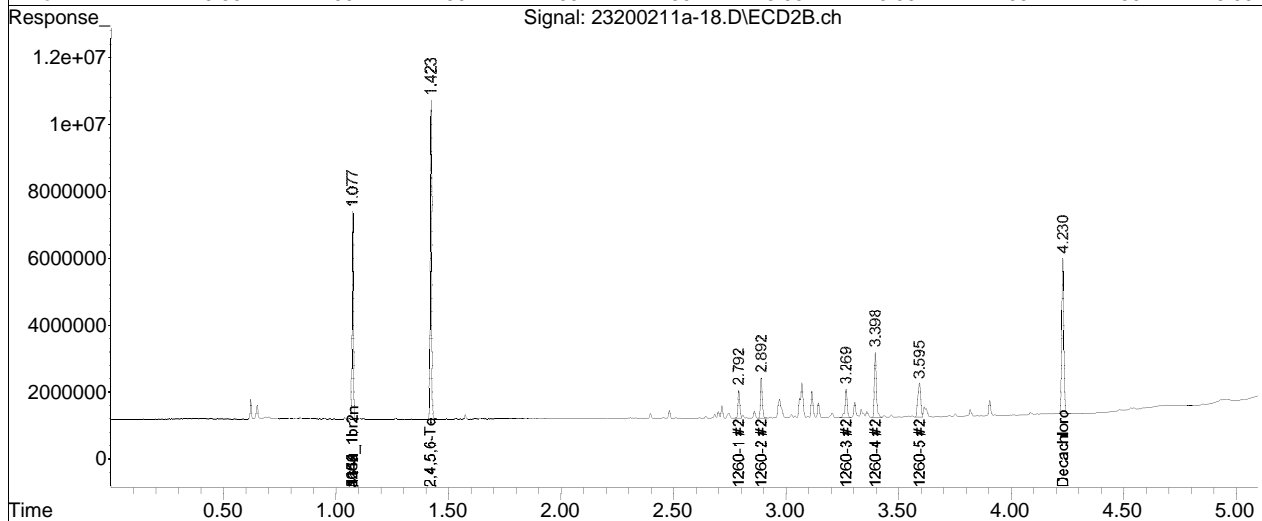
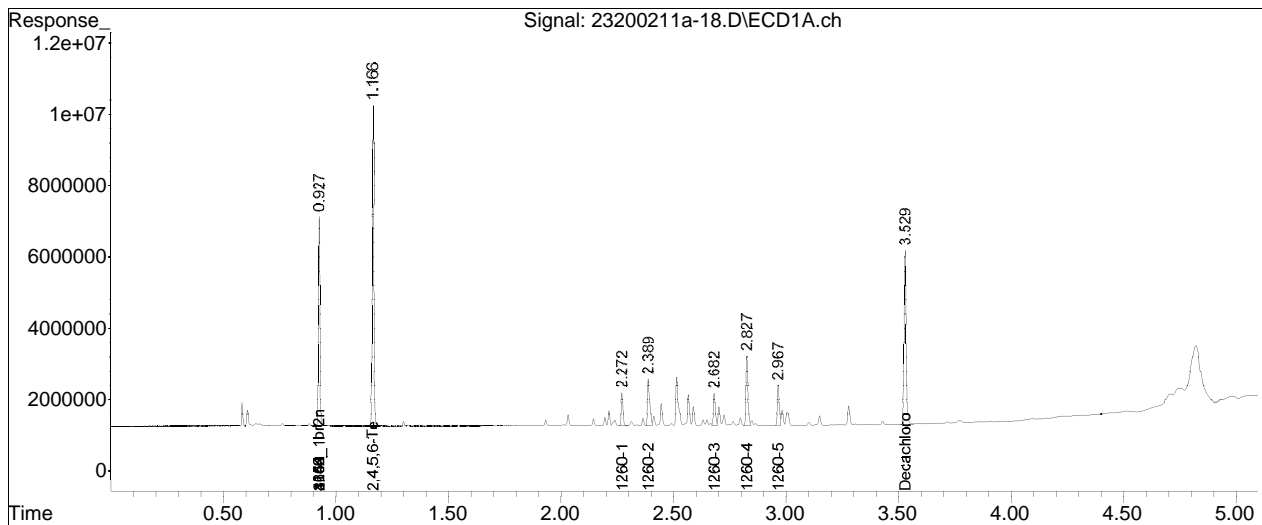
Sub List : Default - All compounds listed11a\23200211a-09.D**

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 04:18 pm
Operator : pest23:ht
Sample : l2005778-06,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:33:24 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-18.D Operator : pest23:ht
Date Inj'd : 2/11/2020 4:18 pm Instrument : Pest 23
Sample : 12005778-06,42e,, Quant Date : 2/13/2020 10:19 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:39 pm
 Operator : pest23:ht
 Sample : l2005778-11,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:34:44 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.928	1.077	27068139	25898135	250.000	250.000
Standard Area 1 : #1 = 21862497					Recovery =	123.81%
Standard Area 1 : #2 = 21444520					Recovery =	120.77%
14) i 2154_1br2nb	0.928	1.077	27068139	25898135	250.000	250.000
23) i 4268_1br2nb	0.928	1.077	27068139	25898135	250.000	250.000
34) i 1248_1br2nb	0.928	1.077	27068139	25898135	250.000	250.000
40) i 3262_1br2nb	0.928	1.077	27068139	25898135	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.167	1.423	40729523	38751228	246.155	270.728
Spiked Amount 500.000	Range 30 - 150				Recovery =	49.23%
3) s Decachlorobi	3.529	4.230	31890146	29460781	280.123	228.060
Spiked Amount 500.000	Range 30 - 150				Recovery =	56.02%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.273	2.791	13400757	12848089	1636.247	1617.096
10) l2 1260-2	2.390	2.891	24892520	19369996	1990.749	2065.589
11) l2 1260-3	2.682	3.268	15107626	16979238	1951.058	2129.982
12) l2 1260-4	2.827	3.398	35981441	36989682	2172.435	2255.437
13) l2 1260-5	2.966	3.594	20622639	27015359	2335.758	2325.103
Sum 1260-1			110.0E6	113.2E6	10086.247	10393.208
Average 1260-1					2017.249	2078.642

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:39 pm
 Operator : pest23:ht
 Sample : l2005778-11,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:34:44 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:39 pm
 Operator : pest23:ht
 Sample : l2005778-11,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:34:44 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:39 pm
 Operator : pest23:ht
 Sample : l2005778-11,42e,,
 Misc : wg1339514,wg1339142,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:34:44 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

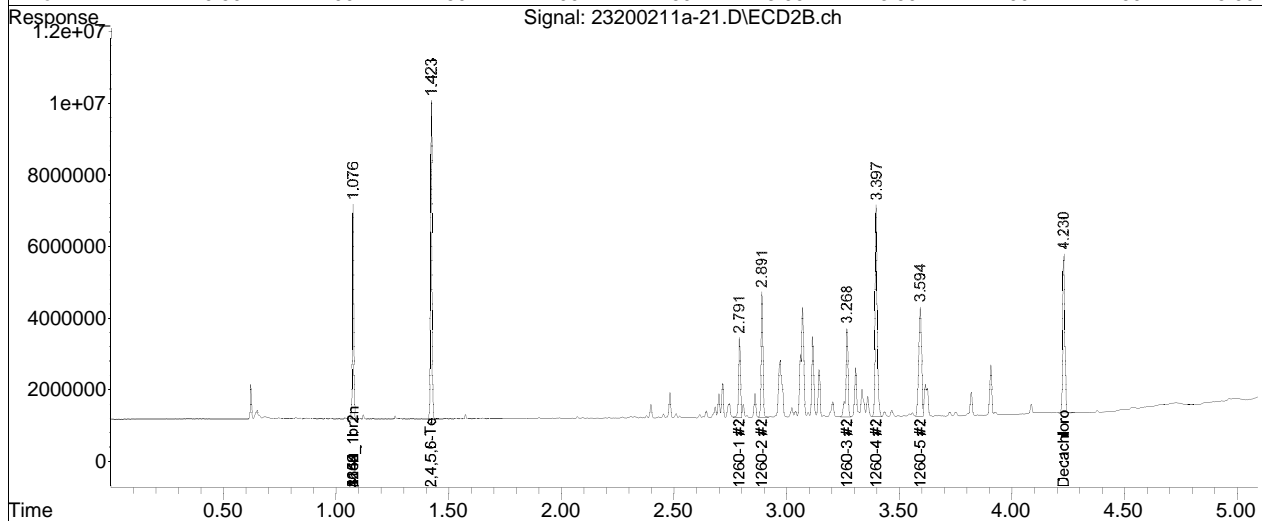
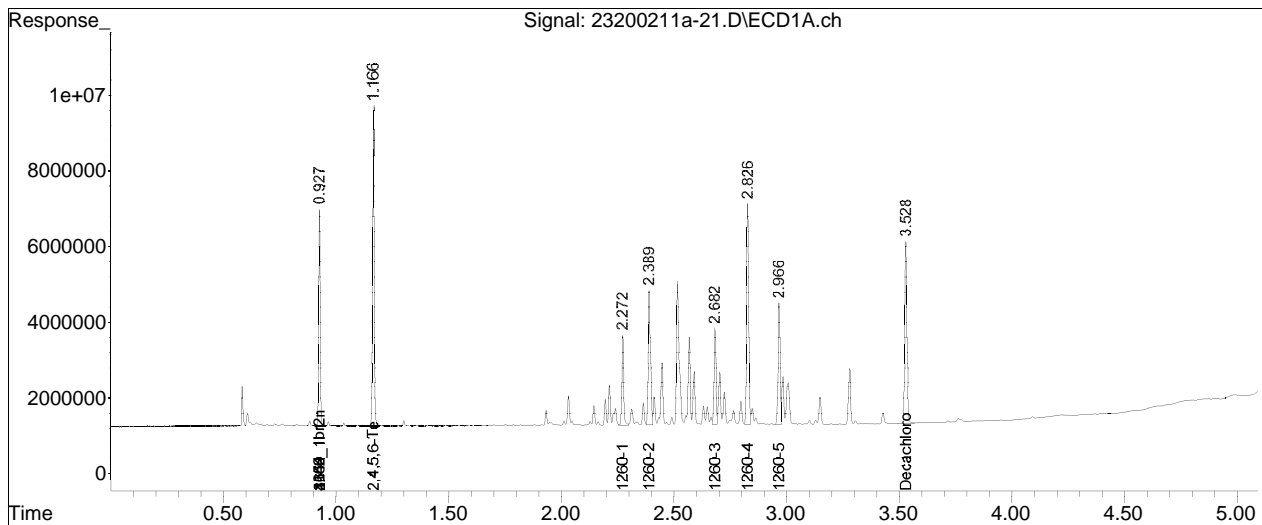
Sub List : Default - All compounds listed11a\23200211a-09.D**

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 04:39 pm
Operator : pest23:ht
Sample : 12005778-11,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:34:44 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-21.D Operator : pest23:ht
Date Inj'd : 2/11/2020 4:39 pm Instrument : Pest 23
Sample : 12005778-11,42e,, Quant Date : 2/13/2020 10:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:45 pm
 Operator : pest23:ht
 Sample : l2005778-12,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:35:11 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.927	1.077	27398244	26163529	250.000	250.000
Standard Area 1 : #1 = 21862497					Recovery =	125.32%
Standard Area 1 : #2 = 21444520					Recovery =	122.01%
14) i 2154_1br2nb	0.927	1.077	27398244	26163529	250.000	250.000
23) i 4268_1br2nb	0.927	1.077	27398244	26163529	250.000	250.000
34) i 1248_1br2nb	0.927	1.077	27398244	26163529	250.000	250.000
40) i 3262_1br2nb	0.927	1.077	27398244	26163529	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.166	1.423	27493018	25840108	164.156	178.695
Spiked Amount 500.000	Range 30 - 150				Recovery =	32.83%
3) s Decachlorobi	3.530	4.231	21400904	19554120	181.718	149.836
Spiked Amount 500.000	Range 30 - 150				Recovery =	36.34%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.273	2.791	8782377	8187536	1059.418	1020.053
10) l2 1260-2	2.390	2.891	18094928	13869439	1429.684	1464.015
11) l2 1260-3	2.683	3.268	10705348	11823018	1365.873	1468.109
12) l2 1260-4	2.827	3.397	26000281	26074317	1550.894	1573.748
13) l2 1260-5	2.967	3.594	15244336	19241192	1705.799	1639.214
Sum 1260-1			78827270	79195502	7111.668	7165.139
Average 1260-1					1422.334	1433.028

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:45 pm
 Operator : pest23:ht
 Sample : l2005778-12,42e,,
 Misc : wg1339514,wg1339142,ical16474
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:35:11 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:45 pm
 Operator : pest23:ht
 Sample : l2005778-12,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:35:11 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:45 pm
 Operator : pest23:ht
 Sample : l2005778-12,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:35:11 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

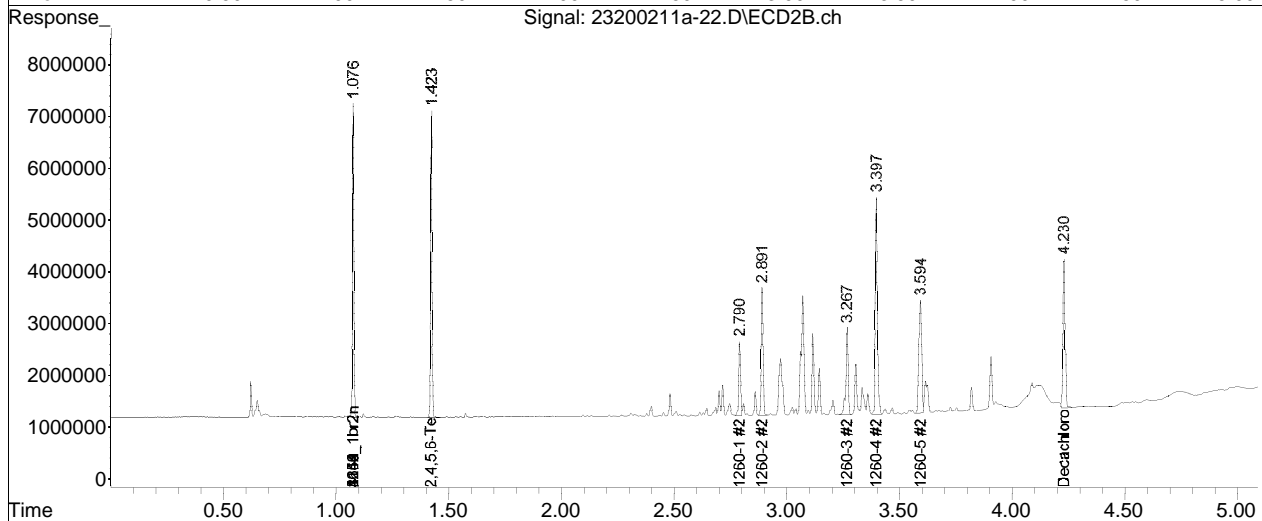
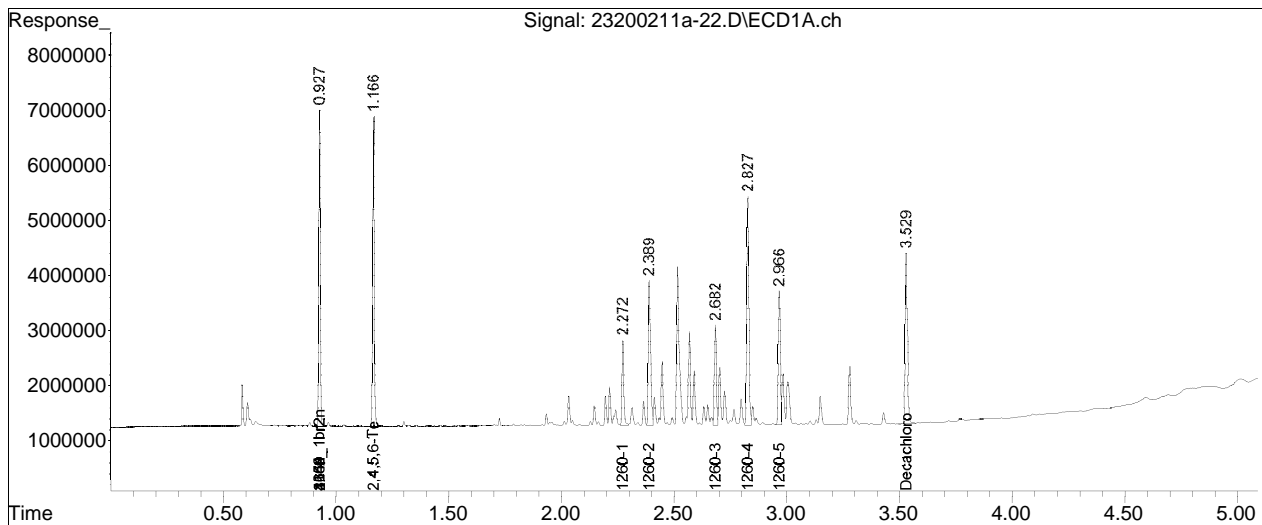
Sub List : Default - All compounds listed11a\23200211a-09.D**

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 04:45 pm
Operator : pest23:ht
Sample : 12005778-12,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:35:11 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-22.D Operator : pest23:ht
Date Inj'd : 2/11/2020 4:45 pm Instrument : Pest 23
Sample : 12005778-12,42e,, Quant Date : 2/13/2020 10:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-23.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:52 pm
 Operator : pest23:ht
 Sample : l2005778-13,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:35:38 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.928	1.077	27175570	25820337	250.000	250.000
Standard Area 1 : #1 = 21862497					Recovery =	124.30%
Standard Area 1 : #2 = 21444520					Recovery =	120.41%
14) i 2154_1br2nb	0.928	1.077	27175570	25820337	250.000	250.000
23) i 4268_1br2nb	0.928	1.077	27175570	25820337	250.000	250.000
34) i 1248_1br2nb	0.928	1.077	27175570	25820337	250.000	250.000
40) i 3262_1br2nb	0.928	1.077	27175570	25820337	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.167	1.423	24931847	23165447	150.084	162.328
Spiked Amount 500.000	Range 30 - 150				Recovery =	30.02%
3) s Decachlorobi	3.531	4.232	21587768	19107986	185.009	148.363
Spiked Amount 500.000	Range 30 - 150				Recovery =	37.00%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.273	2.791	22252453	21248513	2706.308	2682.456
10) l2 1260-2	2.390	2.892	46052697	37065767	3668.448	3964.550
11) l2 1260-3	2.684	3.269	27600279	31885063	3550.317	4011.915
12) l2 1260-4	2.828	3.398	71360525	74810153	4291.470	4575.276
13) l2 1260-5	2.967	3.595	41635617	54572445	4697.085	4710.983
Sum 1260-1			208.9E6	219.6E6	18913.627	19945.179
Average 1260-1					3782.725	3989.036

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-23.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:52 pm
 Operator : pest23:ht
 Sample : l2005778-13,42e,,
 Misc : wg1339514,wg1339142,ical16474
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:35:38 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-23.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:52 pm
 Operator : pest23:ht
 Sample : l2005778-13,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:35:38 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-23.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 04:52 pm
 Operator : pest23:ht
 Sample : l2005778-13,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:35:38 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

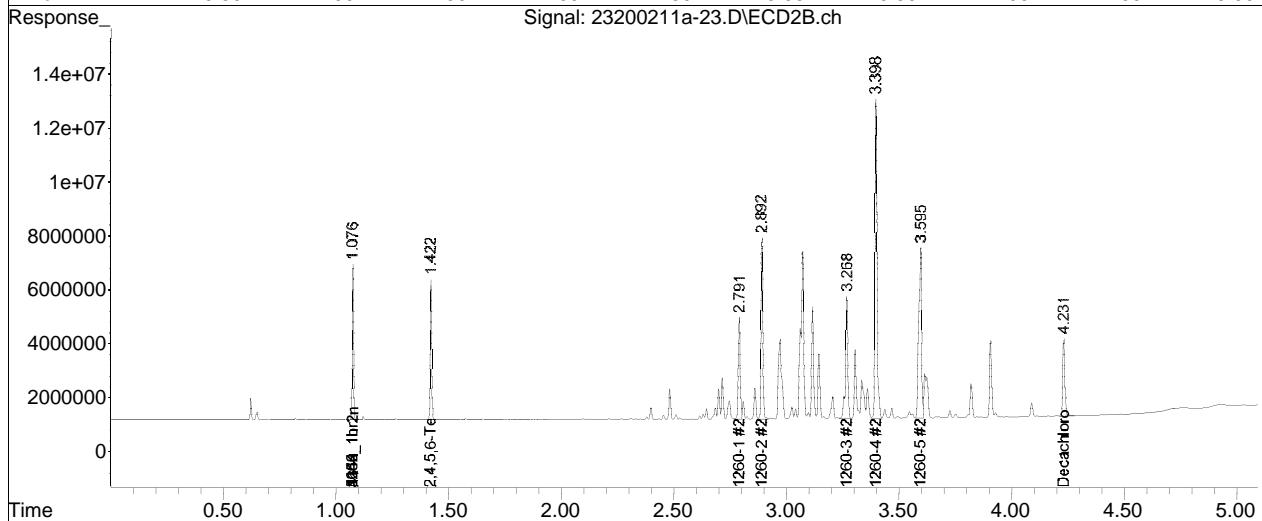
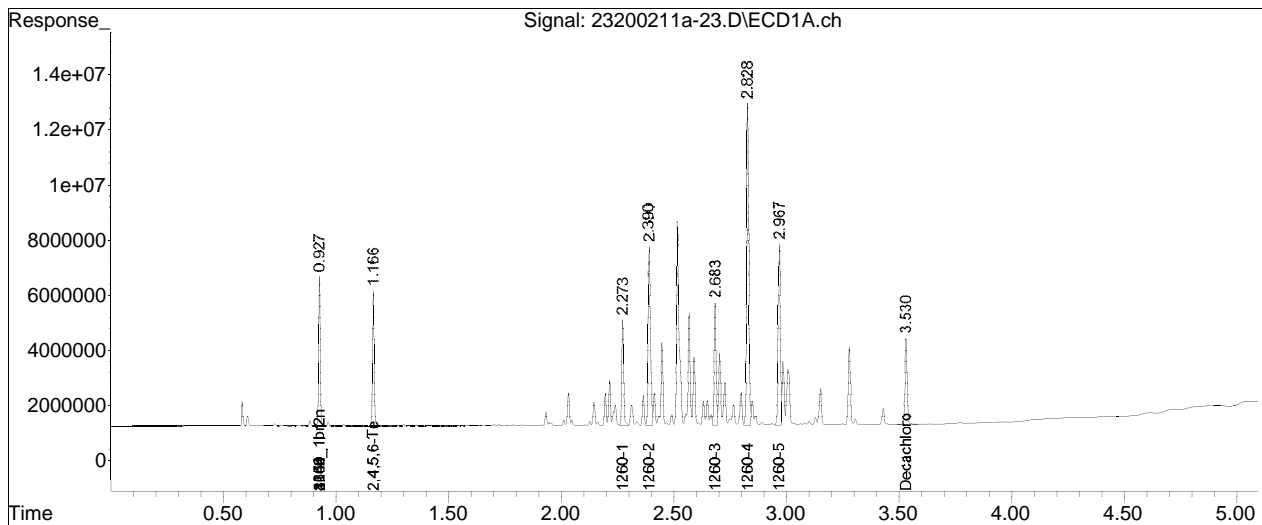
Sub List : Default - All compounds listed11a\23200211a-09.D••

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 04:52 pm
Operator : pest23:ht
Sample : 12005778-13,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:35:38 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-23.D Operator : pest23:ht
Date Inj'd : 2/11/2020 4:52 pm Instrument : Pest 23
Sample : 12005778-13,42e,, Quant Date : 2/13/2020 10:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-26.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 05:12 pm
 Operator : pest23:ht
 Sample : l2005778-19,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:36:35 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.927	1.076	28611766	27299055	250.000	250.000
Standard Area 1 : #1 = 21862497					Recovery =	130.87%
Standard Area 1 : #2 = 21444520					Recovery =	127.30%
14) i 2154_1br2nb	0.927	1.076	28611766	27299055	250.000	250.000
23) i 4268_1br2nb	0.927	1.076	28611766	27299055	250.000	250.000
34) i 1248_1br2nb	0.927	1.076	28611766	27299055	250.000	250.000
40) i 3262_1br2nb	0.927	1.076	28611766	27299055	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.166	1.423	27377421	25349710	156.533	168.012
Spiked Amount 500.000	Range 30 - 150				Recovery =	31.31%
3) s Decachlorobi	3.530	4.231	22550361	19965520	183.464	146.624
Spiked Amount 500.000	Range 30 - 150				Recovery =	36.69%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.273	2.791	2754999	2654081	318.240	316.907
10) l2 1260-2	2.390	2.892	4580983	3187751	346.593	322.492
11) l2 1260-3	2.683	3.268	2729825	3243597	333.520	386.016
12) l2 1260-4	2.827	3.398	5786835	5090435	330.539	294.460
13) l2 1260-5	2.967	3.594	3062625	3614015	328.164	295.082
Sum 1260-1			18915267	17789878	1657.057	1614.958
Average 1260-1					331.411	322.992

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-26.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 05:12 pm
 Operator : pest23:ht
 Sample : l2005778-19,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:36:35 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-26.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 05:12 pm
 Operator : pest23:ht
 Sample : l2005778-19,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:36:35 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-26.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 05:12 pm
 Operator : pest23:ht
 Sample : l2005778-19,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:36:35 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

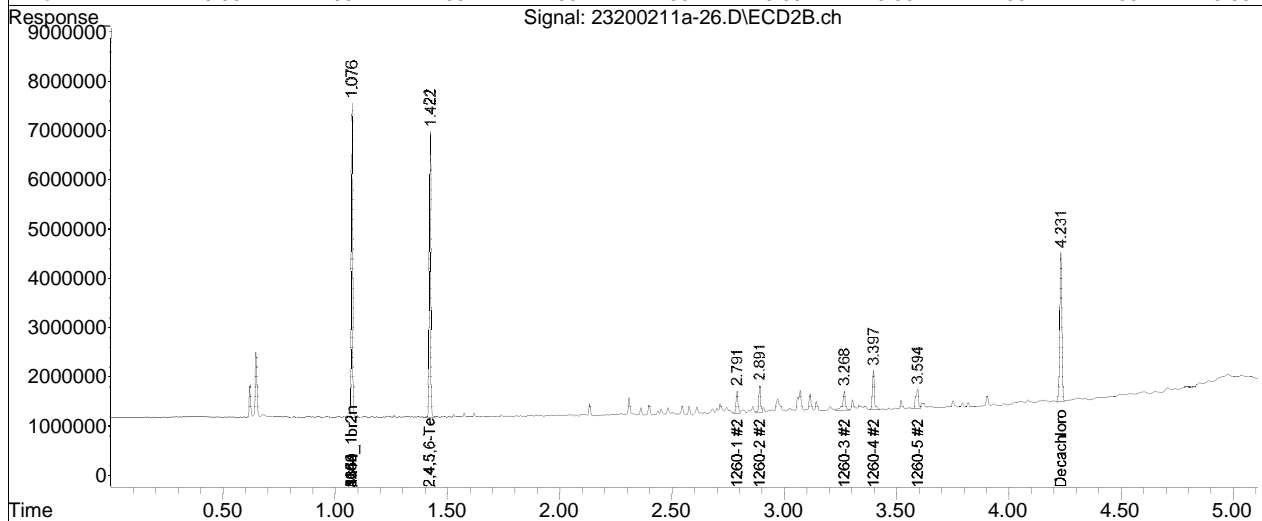
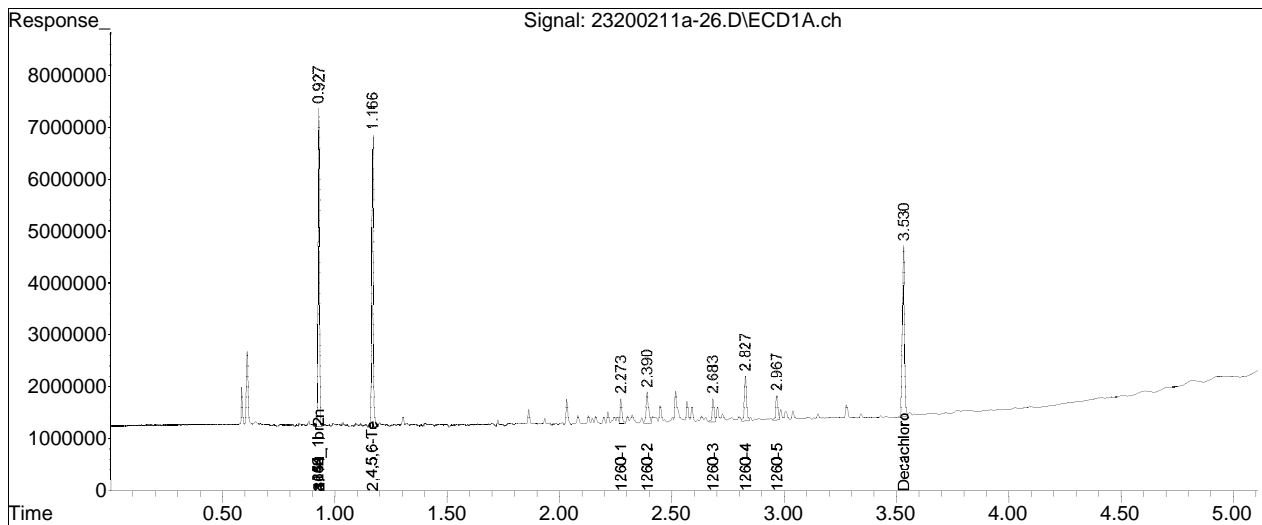
Sub List : Default - All compounds listed11a\23200211a-09.D**

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 05:12 pm
Operator : pest23:ht
Sample : l2005778-19,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:36:35 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-26.D Operator : pest23:ht
Date Inj'd : 2/11/2020 5:12 pm Instrument : Pest 23
Sample : 12005778-19,42e,, Quant Date : 2/13/2020 10:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 05:46 pm
 Operator : pest23:ht
 Sample : l2005778-20,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:39:01 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-30.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.931	1.079	26729616	25505186	250.000	250.000
Standard Area 1 : #1 = 22948728					Recovery =	116.48%
Standard Area 1 : #2 = 21526734					Recovery =	118.48%
14) i 2154_1br2nb	0.931	1.079	26729616	25505186	250.000	250.000
23) i 4268_1br2nb	0.931	1.079	26729616	25505186	250.000	250.000
34) i 1248_1br2nb	0.931	1.079	26729616	25505186	250.000	250.000
40) i 3262_1br2nb	0.931	1.079	26729616	25505186	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.168	1.424	24194144	22036658	148.073	156.327
Spiked Amount 500.000	Range 30 - 150				Recovery =	29.61%# 31.27%
3) s Decachlorobi	3.528	4.229	22299777	20604034	194.896	161.956
Spiked Amount 500.000	Range 30 - 150				Recovery =	38.98% 32.39%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.273	2.790	26257396	25403312	3246.661	3246.592
10) l2 1260-2	2.390	2.890	41834351	32915317	3388.022	3564.120
11) l2 1260-3	2.682	3.267	25578567	28466282	3345.151	3626.006
12) l2 1260-4	2.827	3.396	56166144	59016869	3434.066	3653.981
13) l2 1260-5	2.965	3.593	31093696	41875935	3566.331M4	3659.620
Sum 1260-1			180.9E6	187.7E6	16980.232	17750.321
Average 1260-1					3396.046	3550.064

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 05:46 pm
 Operator : pest23:ht
 Sample : l2005778-20,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:39:01 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-30.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 05:46 pm
 Operator : pest23:ht
 Sample : l2005778-20,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:39:01 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-30.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 05:46 pm
 Operator : pest23:ht
 Sample : l2005778-20,42e,,
 Misc : wg1339514,wg1339142,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:39:01 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-30.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

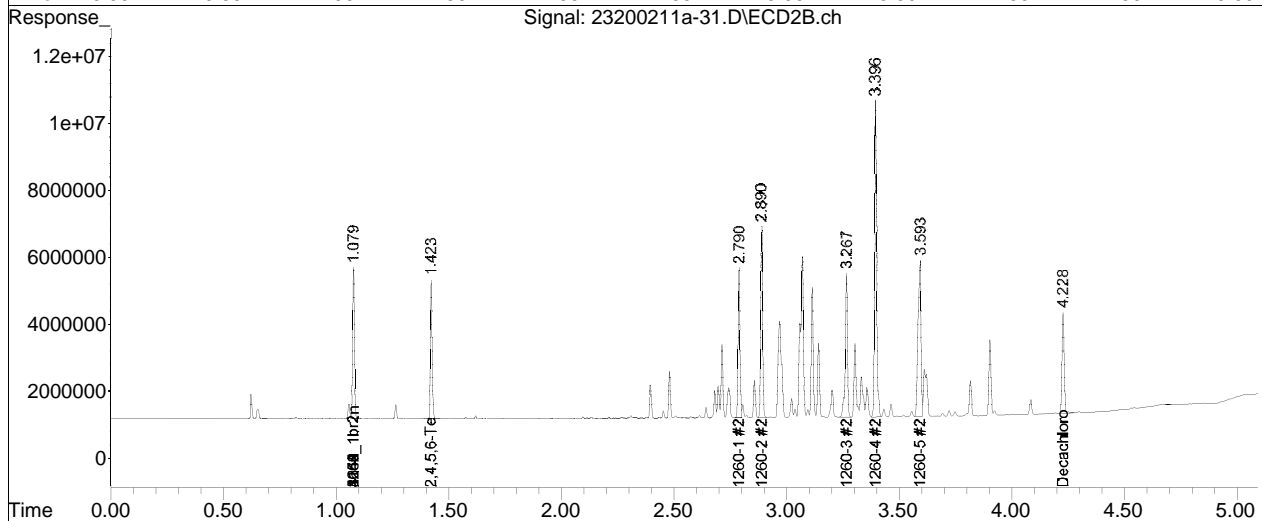
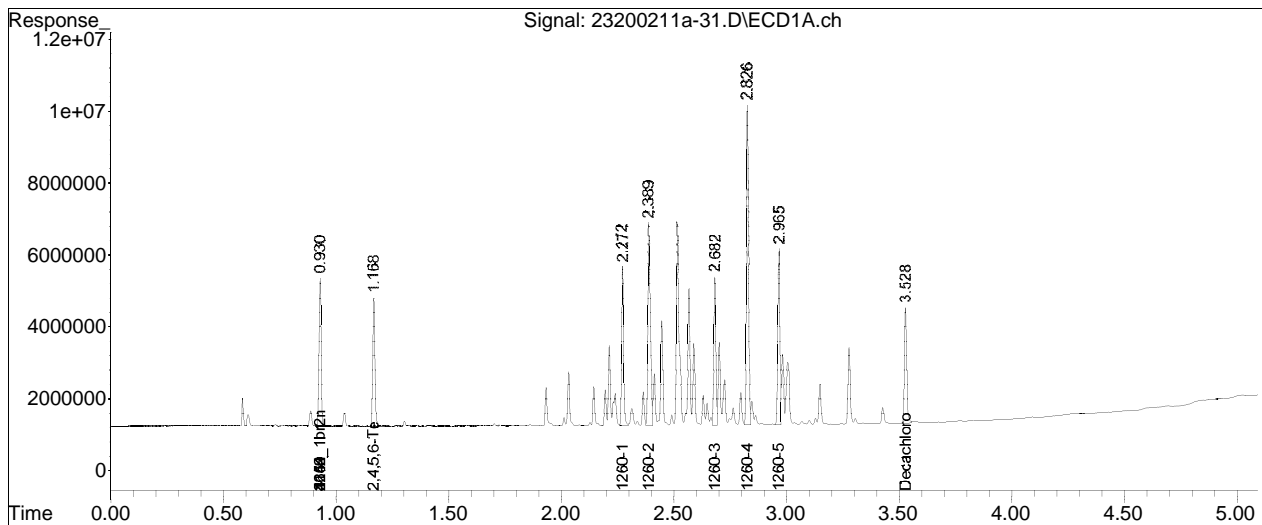
Sub List : Default - All compounds listed11a\23200211a-30.D**

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-31.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 05:46 pm
Operator : pest23:ht
Sample : l2005778-20,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:39:01 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

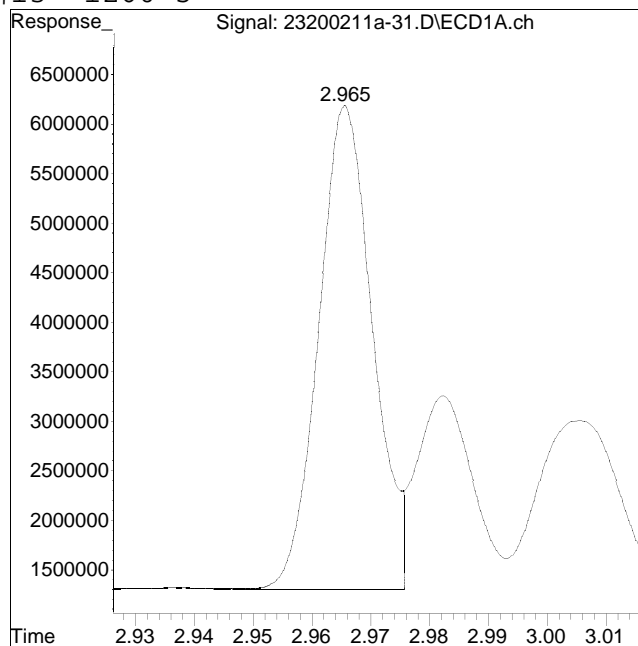
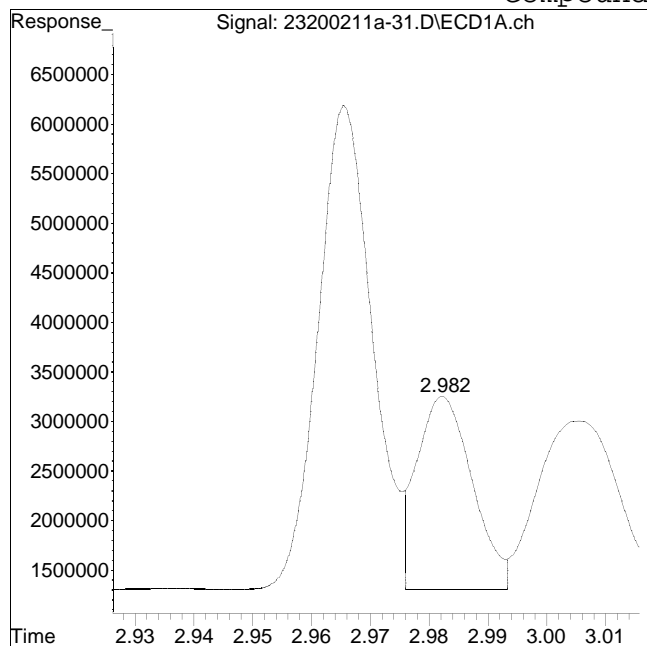
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-31.D Operator : pest23:ht
Date Inj'd : 2/11/2020 5:46 pm Instrument : Pest 23
Sample : 12005778-20,42e,, Quant Date : 2/13/2020 10:20 pm

Compound #13: 1260-5



Original Peak Response = 12976858

Manual Peak Response = 31093696 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 06:07 pm
 Operator : pest23:ht
 Sample : l2005778-23,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:39:49 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-30.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.927	1.076	29836502	28372738	250.000	250.000
Standard Area 1 : #1 = 22948728					Recovery =	130.01%
Standard Area 1 : #2 = 21526734					Recovery =	131.80%
14) i 2154_1br2nb	0.927	1.076	29836502	28372738	250.000	250.000
23) i 4268_1br2nb	0.927	1.076	29836502	28372738	250.000	250.000
34) i 1248_1br2nb	0.927	1.076	29836502	28372738	250.000	250.000
40) i 3262_1br2nb	0.927	1.076	29836502	28372738	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.166	1.422	43574249	41735824	238.913	266.148
Spiked Amount 500.000	Range 30 - 150				Recovery =	47.78%
3) s Decachlorobi	3.527	4.228	36935155	34542277	294.938	244.075
Spiked Amount 500.000	Range 30 - 150				Recovery =	58.99%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.790	934059	856737	103.468	98.427
10) l2 1260-2	2.388	2.890	1738088	1231470	126.104	119.869
11) l2 1260-3	2.681	3.266	995103	1145854	116.588	131.206
12) l2 1260-4	2.825	3.396	2278081	2198141	124.781	122.341
13) l2 1260-5	2.965	3.592	1324246	1528322	136.070	120.064
Sum 1260-1			7269576	6960524	607.010	591.907
Average 1260-1					121.402	118.381

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 06:07 pm
 Operator : pest23:ht
 Sample : l2005778-23,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:39:49 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-30.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 06:07 pm
 Operator : pest23:ht
 Sample : l2005778-23,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:39:49 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-30.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 06:07 pm
 Operator : pest23:ht
 Sample : l2005778-23,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:39:49 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-30.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

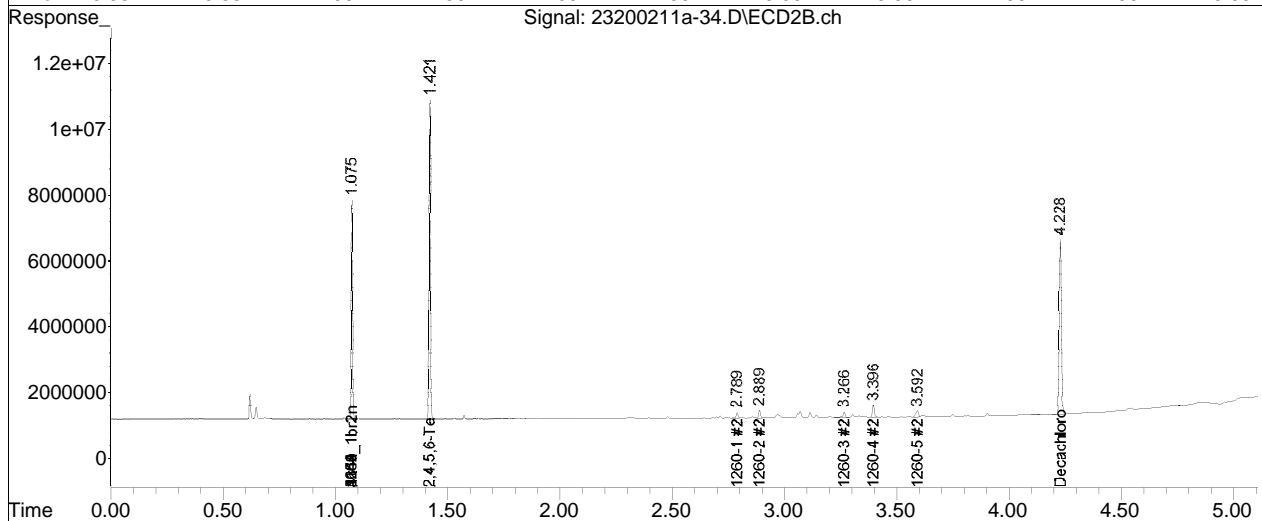
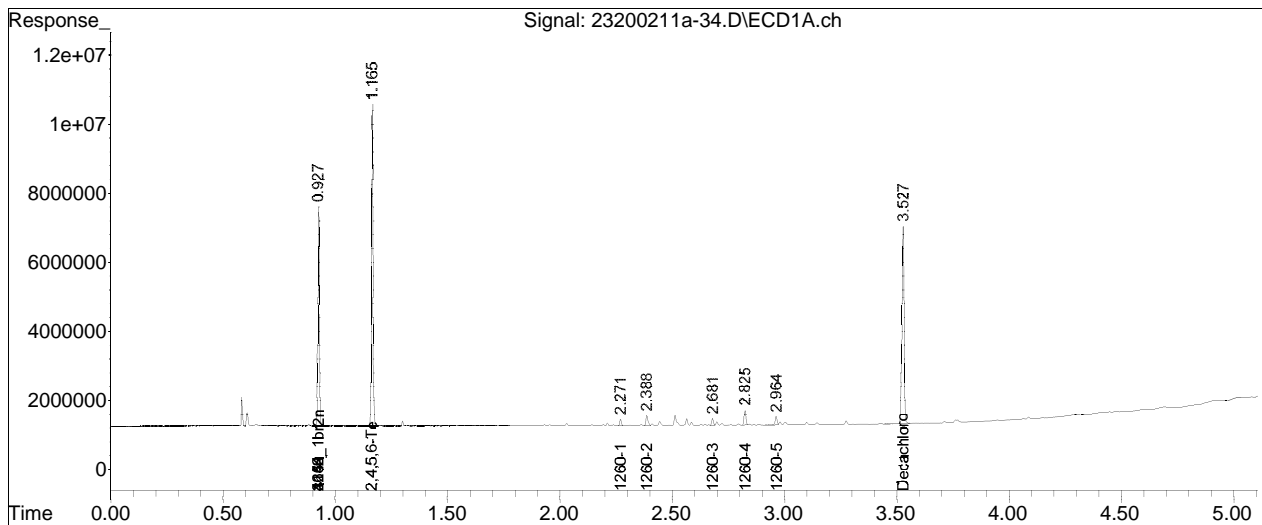
Sub List : Default - All compounds listed11a\23200211a-30.D**

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-34.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 06:07 pm
Operator : pest23:ht
Sample : l2005778-23,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:39:49 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-34.D Operator : pest23:ht
Date Inj'd : 2/11/2020 6:07 pm Instrument : Pest 23
Sample : 12005778-23,42e,, Quant Date : 2/13/2020 10:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 06:14 pm
 Operator : pest23:ht
 Sample : l2005778-24,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:40:19 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-30.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.929	1.077	28311865	26929491	250.000	250.000
Standard Area 1 : #1 = 22948728					Recovery =	123.37%
Standard Area 1 : #2 = 21526734					Recovery =	125.10%
14) i 2154_1br2nb	0.929	1.077	28311865	26929491	250.000	250.000
23) i 4268_1br2nb	0.929	1.077	28311865	26929491	250.000	250.000
34) i 1248_1br2nb	0.929	1.077	28311865	26929491	250.000	250.000
40) i 3262_1br2nb	0.929	1.077	28311865	26929491	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.167	1.423	42441027	40378759	245.231	271.294
Spiked Amount 500.000	Range 30 - 150				Recovery =	49.05%
3) s Decachlorobi	3.528	4.229	36020938	32914865	303.457	245.040
Spiked Amount 500.000	Range 30 - 150				Recovery =	60.69%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.789	12156683	11434121	1419.138	1384.014
10) l2 1260-2	2.389	2.890	21718719	16590916	1660.625	1701.473
11) l2 1260-3	2.681	3.267	12297849	13702152	1518.424	1653.054
12) l2 1260-4	2.826	3.396	29010944	29803018	1674.635	1747.635
13) l2 1260-5	2.965	3.593	17564977	22056210	1902.047	1825.588
Sum 1260-1			92749172	93586417	8174.868	8311.764
Average 1260-1					1634.974	1662.353

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 06:14 pm
 Operator : pest23:ht
 Sample : l2005778-24,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:40:19 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-30.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 06:14 pm
 Operator : pest23:ht
 Sample : l2005778-24,42e,,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:40:19 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-30.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 06:14 pm
 Operator : pest23:ht
 Sample : l2005778-24,42e,,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:40:19 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-30.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

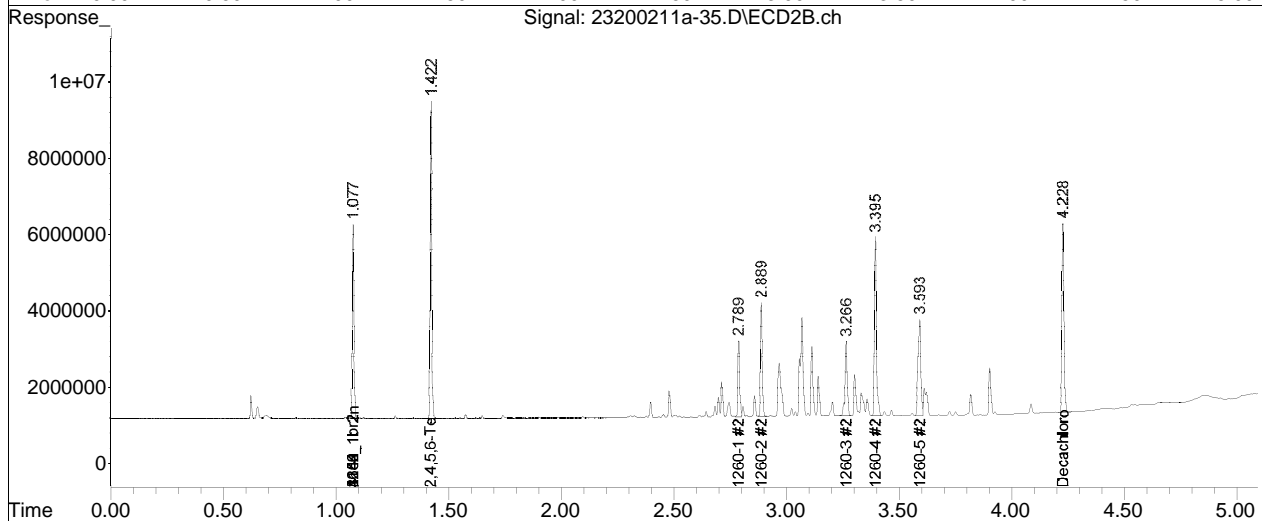
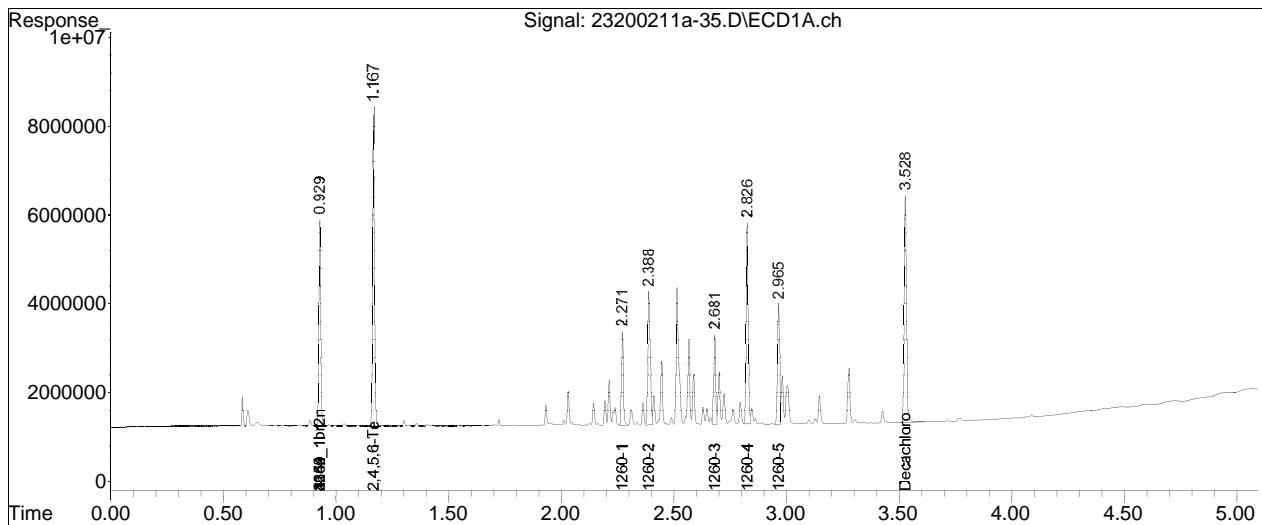
Sub List : Default - All compounds listed11a\23200211a-30.D••

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-35.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 06:14 pm
Operator : pest23:ht
Sample : l2005778-24,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:40:19 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-35.D Operator : pest23:ht
Date Inj'd : 2/11/2020 6:14 pm Instrument : Pest 23
Sample : 12005778-24,42e,, Quant Date : 2/13/2020 10:21 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-42.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 09:00 pm
 Operator : pest23:ht
 Sample : l2005778-17d,42e,20,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:40:52 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-40.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.929	1.075	23709682	22623331	250.000	250.000
Standard Area 1 : #1 = 22507312					Recovery =	105.34%
Standard Area 1 : #2 = 21397584					Recovery =	105.73%
14) i 2154_1br2nb	0.929	1.075	23709682	22623331	250.000	250.000
23) i 4268_1br2nb	0.929	1.075	23709682	22623331	250.000	250.000
34) i 1248_1br2nb	0.929	1.075	23709682	22623331	250.000	250.000
40) i 3262_1br2nb	0.929	1.075	23709682	22623331	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.275	2.789	16973255	17141354	2366.014	2469.758
10) l2 1260-2	2.392	2.889	26545769	20551661	2423.681	2508.841
11) l2 1260-3	2.685	3.266	16560285	17283217	2441.599	2481.958
12) l2 1260-4	2.830	3.396	34866724	35874017	2403.323	2504.045
13) l2 1260-5	2.969	3.592	19162884	25873758	2477.862	2549.194
Sum 1260-1			114.1E6	116.7E6	12112.480	12513.796
Average 1260-1					2422.496	2502.759

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-42.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 09:00 pm
 Operator : pest23:ht
 Sample : l2005778-17d,42e,20,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:40:52 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-40.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-42.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 09:00 pm
 Operator : pest23:ht
 Sample : l2005778-17d,42e,20,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:40:52 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-40.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-42.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 09:00 pm
 Operator : pest23:ht
 Sample : l2005778-17d,42e,20,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:40:52 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-40.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

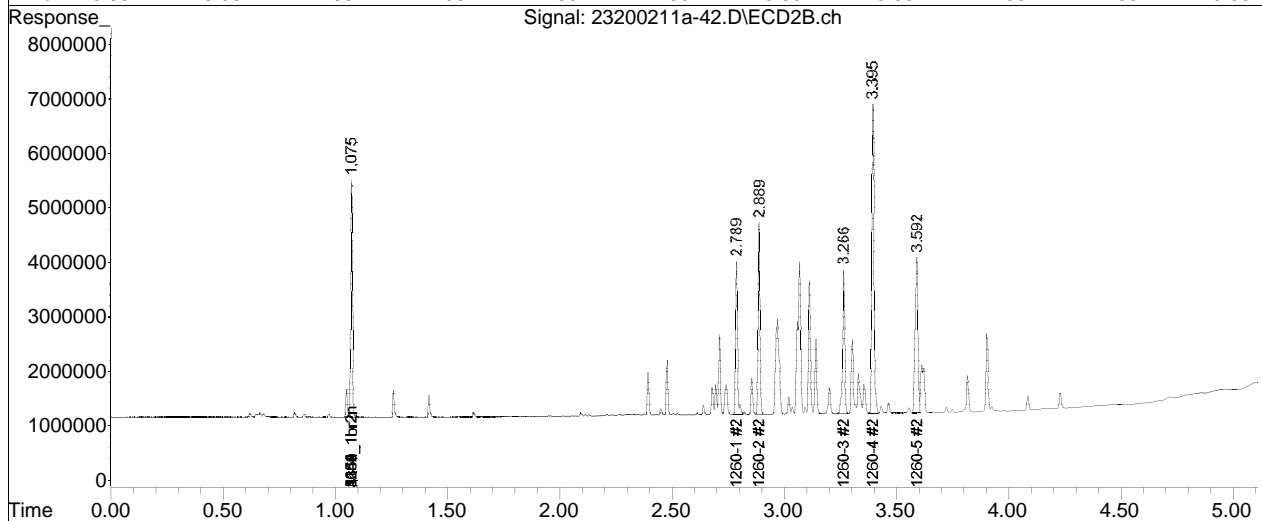
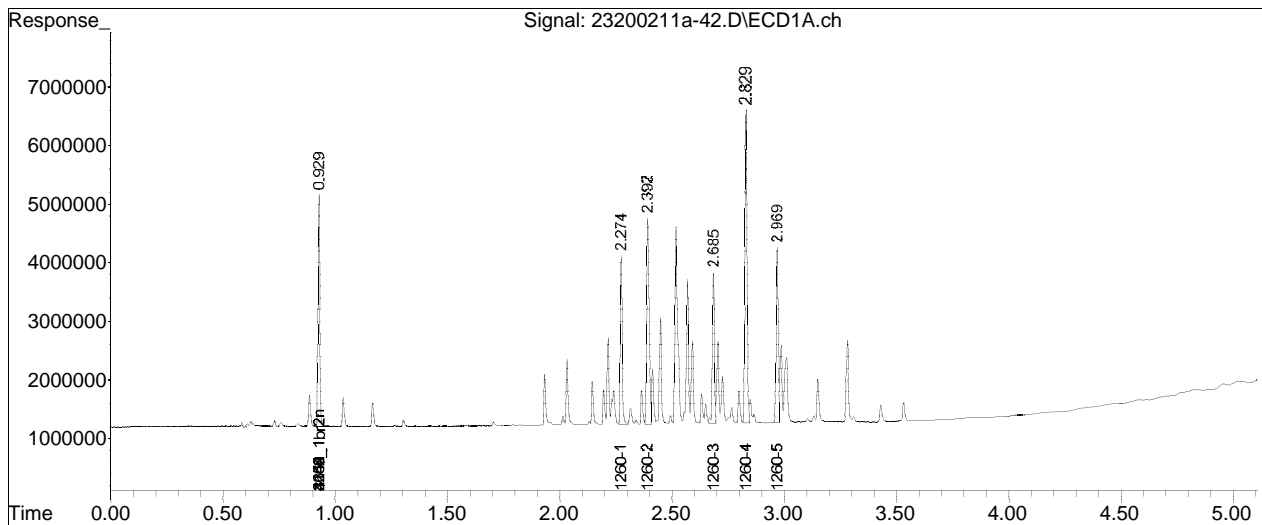
Sub List : Default - All compounds listed11a\23200211a-40.D**

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-42.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 09:00 pm
Operator : pest23:ht
Sample : l2005778-17d,42e,20,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:40:52 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-42.D Operator : pest23:ht
Date Inj'd : 2/11/2020 9:00 pm Instrument : Pest 23
Sample : 12005778-17d,42e,20, Quant Date : 2/13/2020 10:21 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-43.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 09:06 pm
 Operator : pest23:ht
 Sample : l2005778-21d,42e,20,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:41:19 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-40.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.928	1.076	23023746	22056879	250.000	250.000
Standard Area 1 : #1 = 22507312					Recovery =	102.29%
Standard Area 1 : #2 = 21397584					Recovery =	103.08%
14) i 2154_1br2nb	0.928	1.076	23023746	22056879	250.000	250.000
23) i 4268_1br2nb	0.928	1.076	23023746	22056879	250.000	250.000
34) i 1248_1br2nb	0.928	1.076	23023746	22056879	250.000	250.000
40) i 3262_1br2nb	0.928	1.076	23023746	22056879	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.273	2.789	16091153	15335544	2309.879	2266.319
10) l2 1260-2	2.391	2.889	25893090	19932234	2434.523	2495.713
11) l2 1260-3	2.683	3.266	15392875	16955235	2337.093	2497.388
12) l2 1260-4	2.828	3.395	33453582	34592579	2374.616	2476.610
13) l2 1260-5	2.967	3.592	18848800	24884180	2509.861	2514.660
Sum 1260-1			109.7E6	111.7E6	11965.972	12250.690
Average 1260-1					2393.194	2450.138

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-43.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 09:06 pm
 Operator : pest23:ht
 Sample : l2005778-21d,42e,20,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:41:19 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-40.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-43.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 09:06 pm
 Operator : pest23:ht
 Sample : l2005778-21d,42e,20,
 Misc : wgl1339514,wgl1339142,ical16474
 ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:41:19 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-40.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-43.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 09:06 pm
 Operator : pest23:ht
 Sample : l2005778-21d,42e,20,
 Misc : wgl339514,wgl339142,ical16474
 ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:41:19 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-40.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

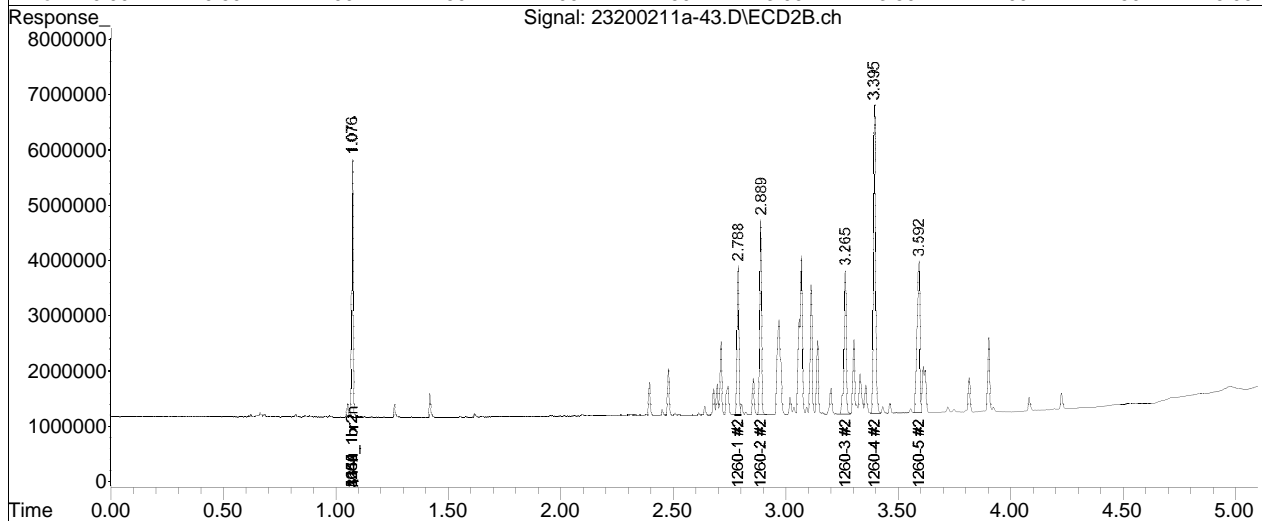
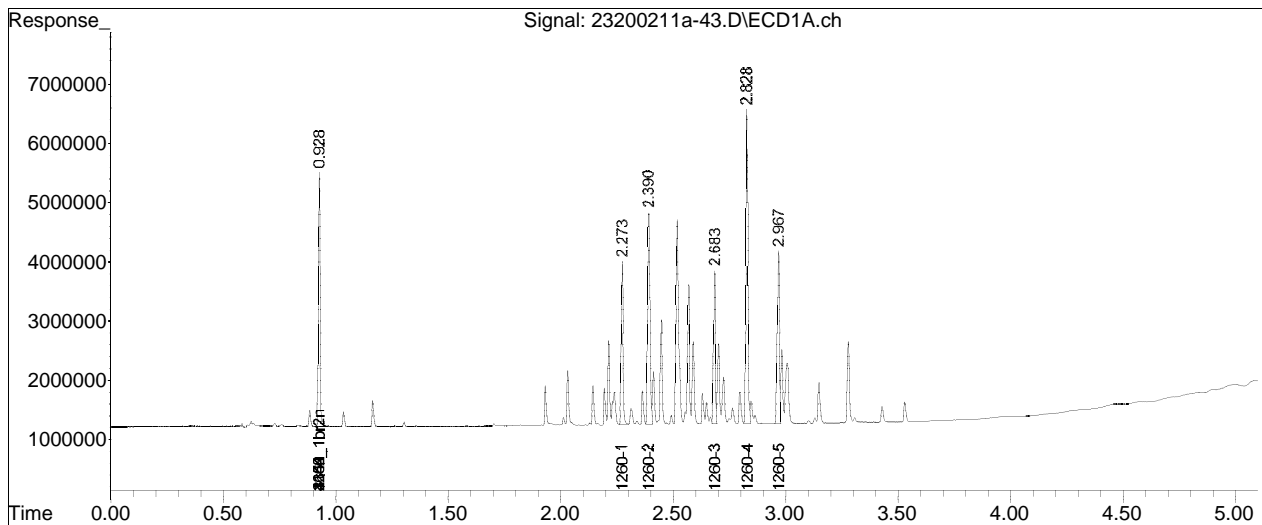
Sub List : Default - All compounds listed11a\23200211a-40.D••

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-43.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 09:06 pm
Operator : pest23:ht
Sample : l2005778-21d,42e,20,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:41:19 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-43.D Operator : pest23:ht
Date Inj'd : 2/11/2020 9:06 pm Instrument : Pest 23
Sample : 12005778-21d,42e,20, Quant Date : 2/13/2020 10:21 pm

There are no manual integrations or false positives in this file.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200211a\
 Data File : 21200211a-04.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 02:37 pm
 Operator : pest21:cw
 Sample : wg1339310-1,42e,,
 Misc : wg1339459,wg1339310,ical16334
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 11 17:47:14 2020
 Quant Method : I:\Pest21\data\2020\21200211a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Sat Feb 01 10:52:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200211a\21200211a-01.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.201	2.296	149.2E6	280.6E6	250.000	250.000
Standard Area 1 : #1 = 136985077					Recovery =	108.93%
Standard Area 1 : #2 = 264093848					Recovery =	106.26%
14) i 2154_1br2nb	2.201	2.296	149.2E6	280.6E6	250.000	250.000
23) i 4268_1br2nb	2.201	2.296	149.2E6	280.6E6	250.000	250.000
34) i 1248_1br2nb	2.201	2.296	149.2E6	280.6E6	250.000	250.000
40) i 3262_1br2nb	2.201	2.296	149.2E6	280.6E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.695	2.938	223.0E6	422.8E6	359.594	362.153
Spiked Amount 500.000 Range 30 - 150					Recovery =	71.92%
3) s Decachlorobi	6.732f	7.357f	131.3E6	228.5E6	258.451	284.875M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	51.69%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200211a\
 Data File : 21200211a-04.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 02:37 pm
 Operator : pest21:cw
 Sample : wg1339310-1,42e,,
 Misc : wg1339459,wg1339310,ical16334
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 11 17:47:14 2020
 Quant Method : I:\Pest21\data\2020\21200211a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Sat Feb 01 10:52:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200211a\21200211a-01.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200211a\
 Data File : 21200211a-04.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 02:37 pm
 Operator : pest21:cw
 Sample : wg1339310-1,42e,,
 Misc : wg1339459,wg1339310,ical16334
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 11 17:47:14 2020
 Quant Method : I:\Pest21\data\2020\21200211a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Sat Feb 01 10:52:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200211a\21200211a-01.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200211a\
 Data File : 21200211a-04.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 02:37 pm
 Operator : pest21:cw
 Sample : wg1339310-1,42e,,
 Misc : wg1339459,wg1339310,ical16334
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 11 17:47:14 2020
 Quant Method : I:\Pest21\data\2020\21200211a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Sat Feb 01 10:52:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200211a\21200211a-01.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

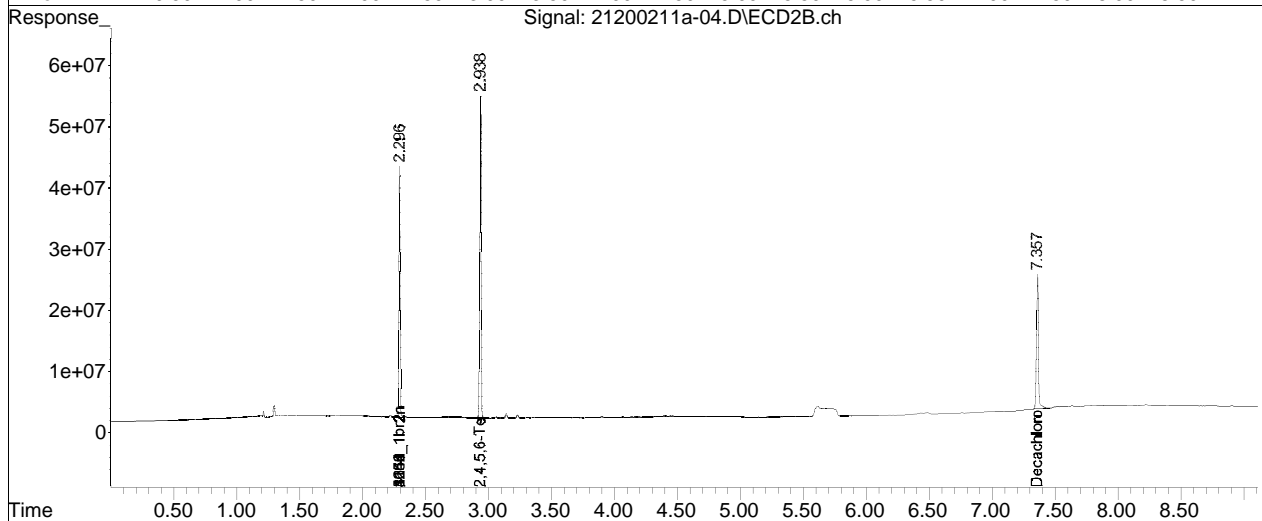
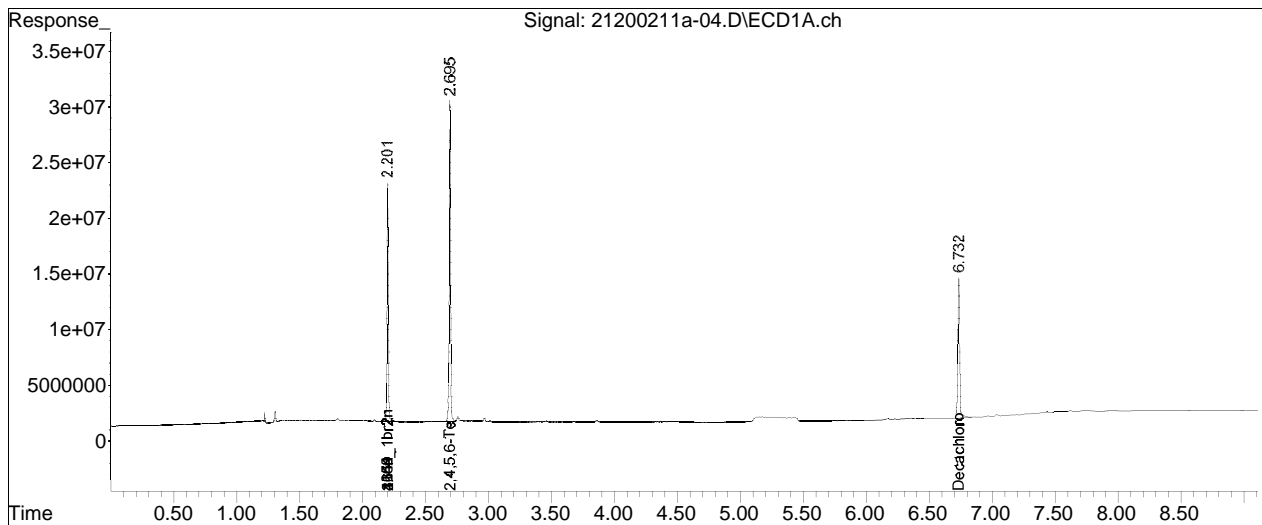
Sub List : Default - All compounds listed11a\21200211a-01.D••

Data Path : I:\Pest21\data\2020\21200211a\
Data File : 21200211a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 02:37 pm
Operator : pest21:cw
Sample : wg1339310-1,42e,,
Misc : wg1339459,wg1339310,ical16334
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 11 17:47:14 2020
Quant Method : I:\Pest21\data\2020\21200211a\P21_pcb_11_25_19_ugL_ICAL16334
... .m

Quant Title : pcb
QLast Update : Sat Feb 01 10:52:25 2020
Response via : Initial Calibration
Integrator: ChemStation

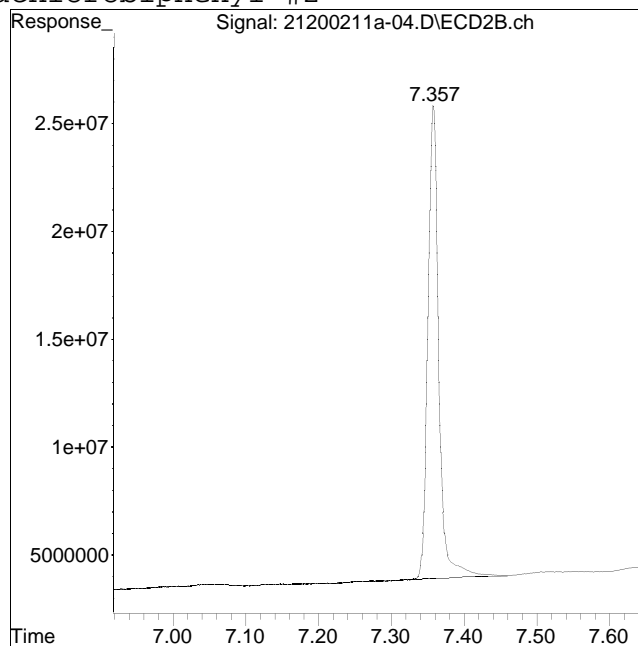
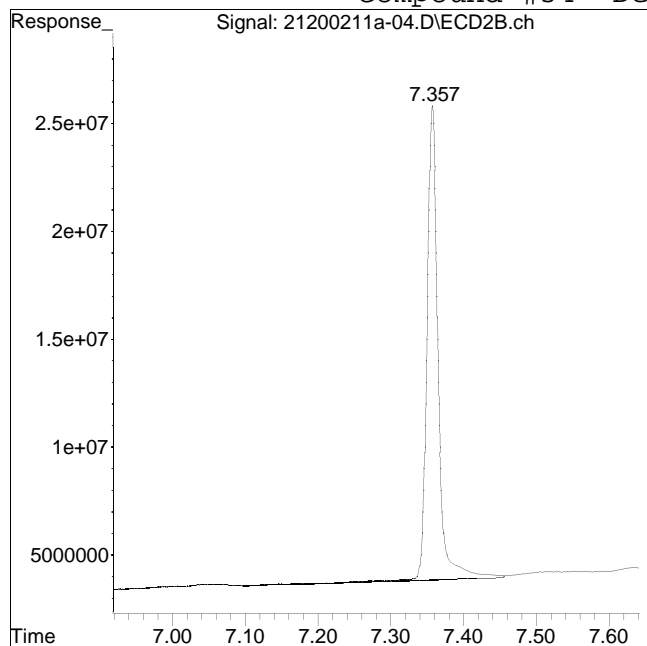
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200211a-04.D Operator : pest21:cw
Date Inj'd : 2/11/2020 2:37 pm Instrument : Pest 21
Sample : wg1339310-1,42e,, Quant Date : 2/11/2020 5:35 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 237383399

Manual Peak Response = 228458602 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-27.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 05:19 pm
 Operator : pest23:ht
 Sample : wg1339142-1,42e,,
 Misc : wg1339514,wg1339142,ical16474
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:36:54 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.927	1.076	28568799	26868472	250.000	250.000
Standard Area 1 : #1 = 21862497					Recovery =	130.67%
Standard Area 1 : #2 = 21444520					Recovery =	125.29%
14) i 2154_1br2nb	0.927	1.076	28568799	26868472	250.000	250.000
23) i 4268_1br2nb	0.927	1.076	28568799	26868472	250.000	250.000
34) i 1248_1br2nb	0.927	1.076	28568799	26868472	250.000	250.000
40) i 3262_1br2nb	0.927	1.076	28568799	26868472	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.166	1.422	46000889	44048630	263.410	296.623
Spiked Amount 500.000	Range 30 - 150				Recovery =	52.68%
3) s Decachlorobi	3.530	4.229	36196884	32504827	302.148	242.537
Spiked Amount 500.000	Range 30 - 150				Recovery =	60.43%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-27.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 05:19 pm
 Operator : pest23:ht
 Sample : wg1339142-1,42e,,
 Misc : wg1339514,wg1339142,ical16474
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:36:54 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19 1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-27.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 05:19 pm
 Operator : pest23:ht
 Sample : wg1339142-1,42e,,
 Misc : wg1339514,wg1339142,ical16474
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:36:54 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200211a\
 Data File : 23200211a-27.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2020 05:19 pm
 Operator : pest23:ht
 Sample : wg1339142-1,42e,,
 Misc : wg1339514,wg1339142,ical16474
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 22:36:54 2020
 Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 22:18:23 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200211a\23200211a-09.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

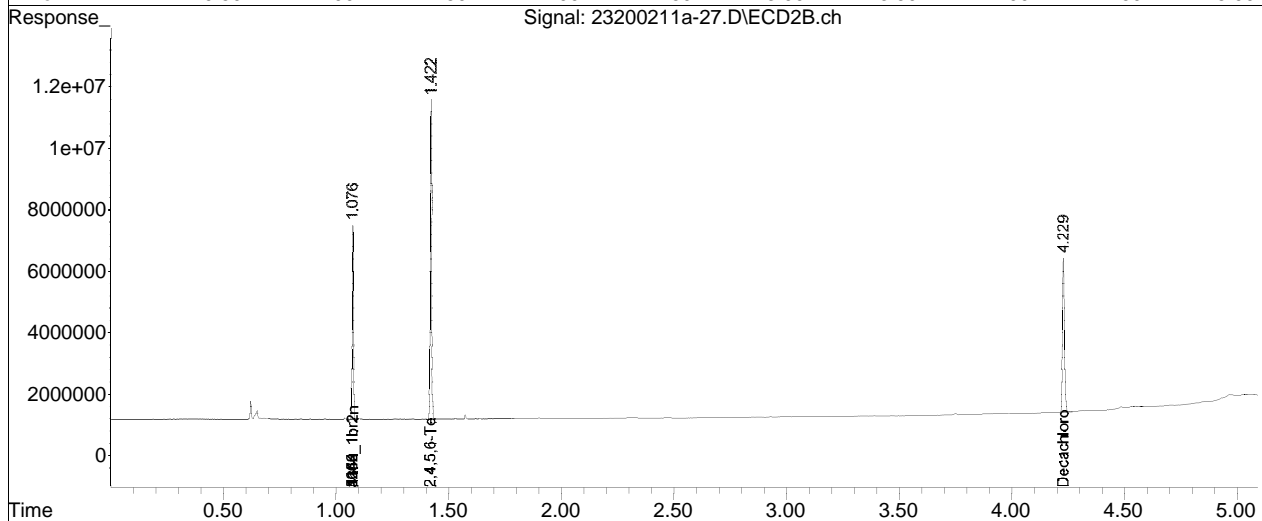
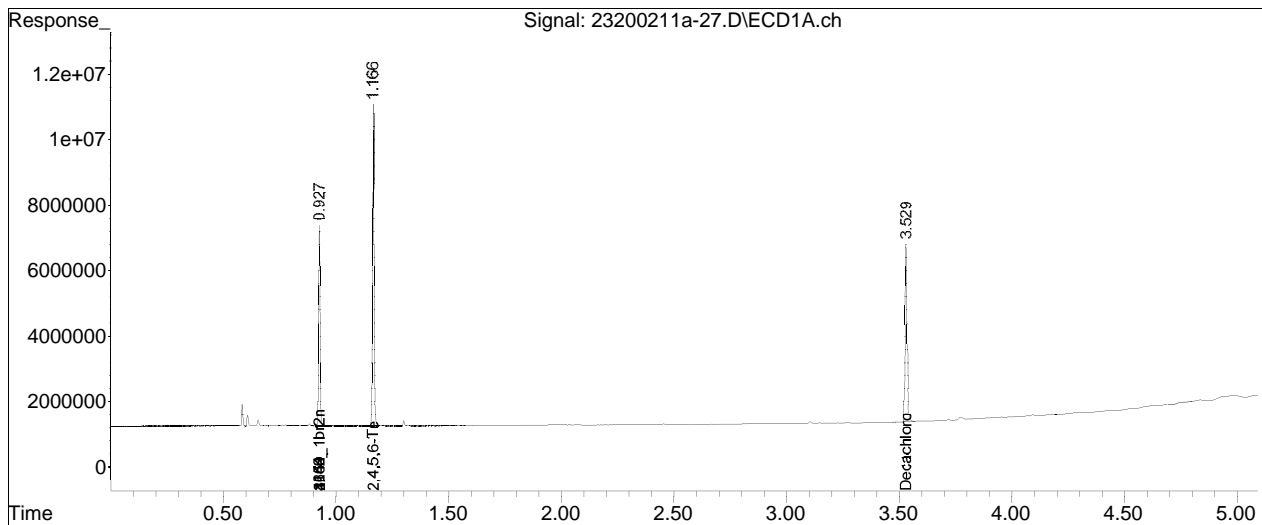
Sub List : Default - All compounds listed11a\23200211a-09.D**

Data Path : I:\Pest23\data\2020\23200211a\
Data File : 23200211a-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2020 05:19 pm
Operator : pest23:ht
Sample : wg1339142-1,42e,,
Misc : wg1339514,wg1339142,ical16474
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 22:36:54 2020
Quant Method : I:\Pest23\data\2020\23200211a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 22:18:23 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200211a-27.D Operator : pest23:ht
Date Inj'd : 2/11/2020 5:19 pm Instrument : Pest 23
Sample : wg1339142-1,42e,, Quant Date : 2/13/2020 10:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:23 am
 Operator : pest19:aws
 Sample : wg1340606-1,42e,,
 Misc : wg1340785,wg1340606,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 14:56:22 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.991	1.034	31553392	43446605	250.000	250.000
Standard Area 1 : #1 = 26726149					Recovery =	118.06%
Standard Area 1 : #2 = 36522977					Recovery =	118.96%
14) i 2154_1br2nb	0.991	1.034	31553392	43446605	250.000	250.000
23) i 4268_1br2nb	0.991	1.034	31553392	43446605	250.000	250.000
34) i 1248_1br2nb	0.991	1.034	31553392	43446605	250.000	250.000
40) i 3262_1br2nb	0.991	1.034	31553392	43446605	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.380	40124900	54318057	243.681	244.783
Spiked Amount 500.000	Range 30 - 150				Recovery =	48.74%
3) s Decachlorobi	4.005	4.516	26479538	38482691	200.477M2	205.600M2
Spiked Amount 500.000	Range 30 - 150				Recovery =	40.10%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	3.048f	0.000	-7504	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:23 am
 Operator : pest19:aws
 Sample : wg1340606-1,42e,,
 Misc : wg1340785,wg1340606,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 14:56:22 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:23 am
 Operator : pest19:aws
 Sample : wg1340606-1,42e,,
 Misc : wg1340785,wg1340606,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 14:56:22 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	3.048f	0.000	-7504	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:23 am
 Operator : pest19:aws
 Sample : wg1340606-1,42e,,
 Misc : wg1340785,wg1340606,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 14:56:22 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

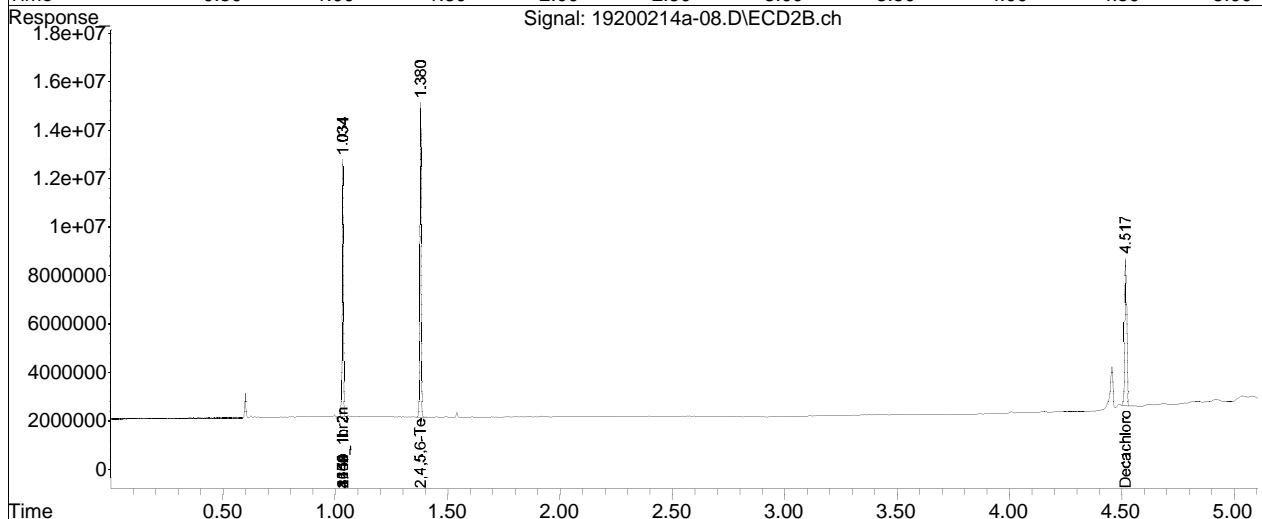
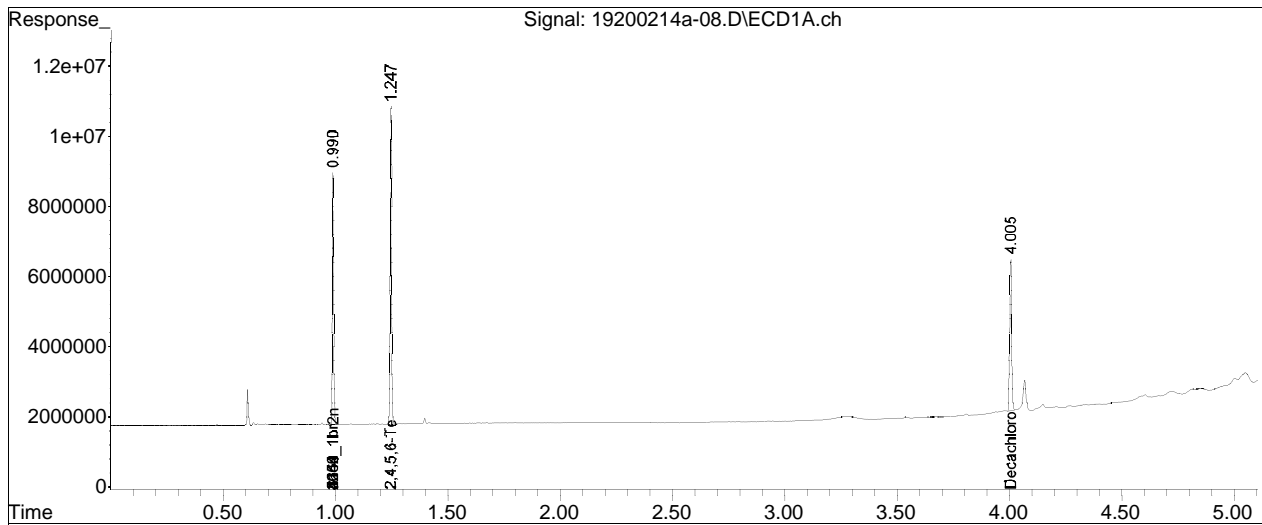
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 11:23 am
Operator : pest19:aws
Sample : wg1340606-1,42e,,
Misc : wg1340785,wg1340606,ical16321
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 14 14:56:22 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sat Feb 01 09:36:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

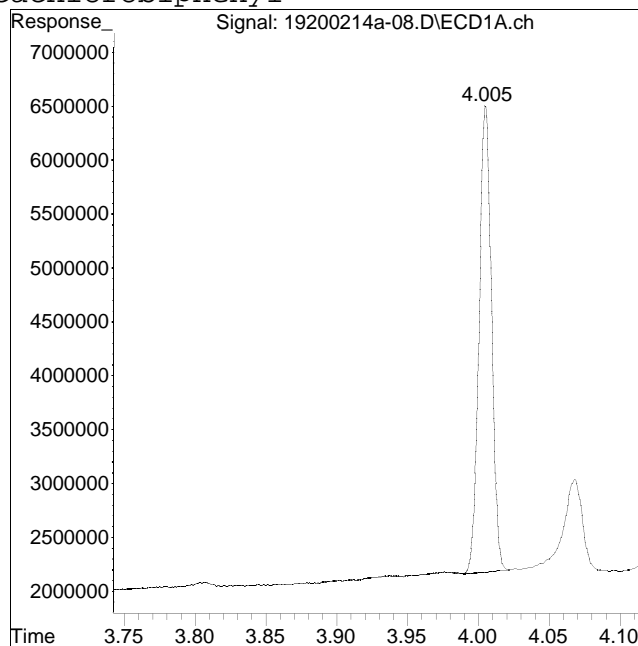
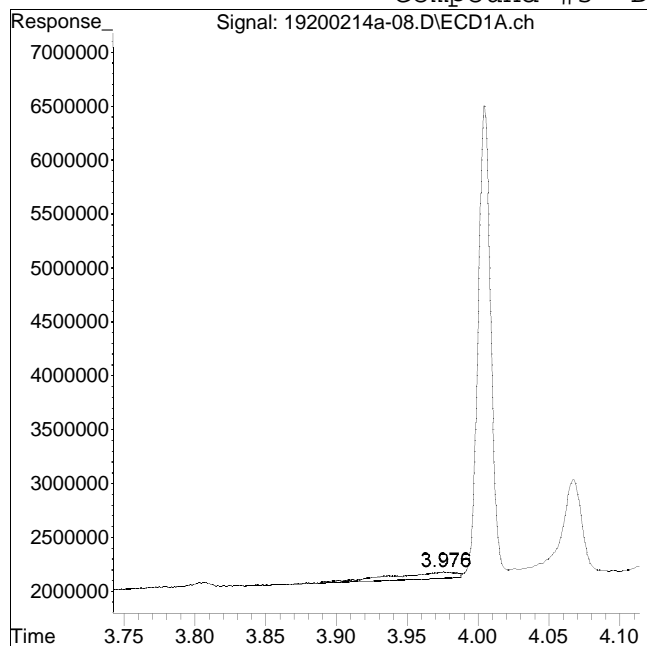


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-08.D
Date Inj'd : 2/14/2020 11:23 am
Sample : wg1340606-1,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 2066824

Manual Peak Response = 26479538 M2

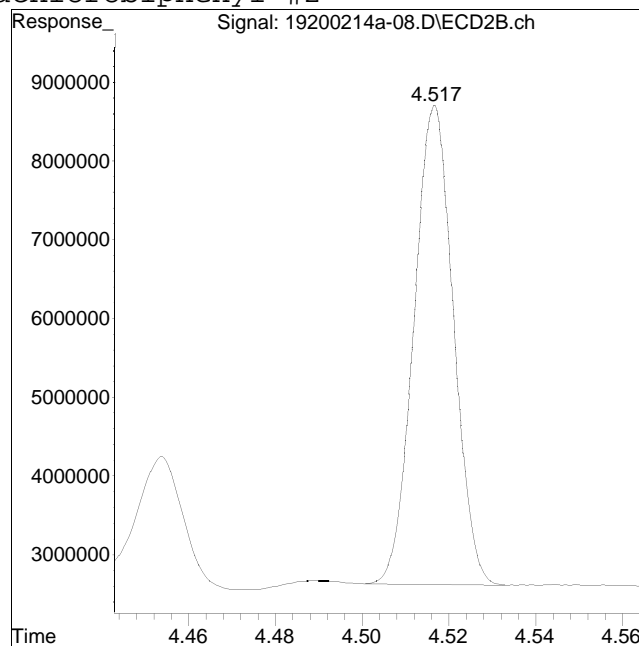
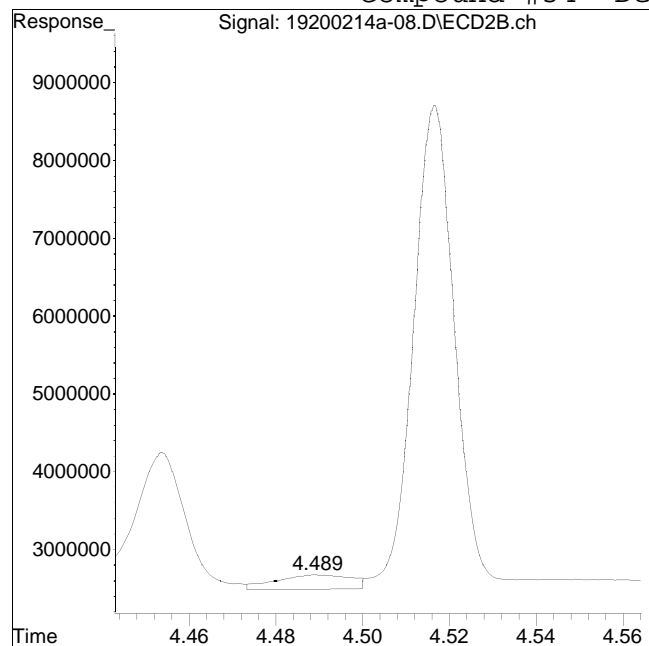
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-08.D
Date Inj'd : 2/14/2020 11:23 am
Sample : wg1340606-1,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 2227262

Manual Peak Response = 38482691 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200217A\
 Data File : P7200217a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 3:20 pm
 Operator : pest7:aws
 Sample : wg1341282-1,42e,,nyb
 Misc : wg1341557,wg1341282,ical15997
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:02:47 2020
 Quant Method : I:\Pest7\200217A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200217A\P7200217a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.908	1.951	462.6E6	361.0E6	250.000	250.000
Standard Area 1 : #1 = 465477409					Recovery =	99.38%
Standard Area 1 : #2 = 361231292					Recovery =	99.93%
14) i 2154_1br2nb	1.908	1.951	462.6E6	361.0E6	250.000	250.000
23) i 4268_1br2nb	1.908	1.951	462.6E6	361.0E6	250.000	250.000
34) i 1248_1br2nb	1.908	1.951	462.6E6	361.0E6	250.000	250.000
40) i 3262_1br2nb	1.908	1.951	462.6E6	361.0E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.340	2.474	796.9E6	633.7E6	350.167	362.885
Spiked Amount 500.000	Range 30 - 150		Recovery =		70.03%	72.58%
3) s Decachlorobi	6.248	6.669	595.1E6	456.8E6	393.874	435.187
Spiked Amount 500.000	Range 30 - 150		Recovery =		78.77%	87.04%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200217A\
 Data File : P7200217a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 3:20 pm
 Operator : pest7:aws
 Sample : wg1341282-1,42e,,nyb
 Misc : wg1341557,wg1341282,ical15997
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:02:47 2020
 Quant Method : I:\Pest7\200217A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200217A\P7200217a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20)	14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200217A\
 Data File : P7200217a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 3:20 pm
 Operator : pest7:aws
 Sample : wg1341282-1,42e,,nyb
 Misc : wg1341557,wg1341282,ical15997
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:02:47 2020
 Quant Method : I:\Pest7\200217A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200217A\P7200217a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

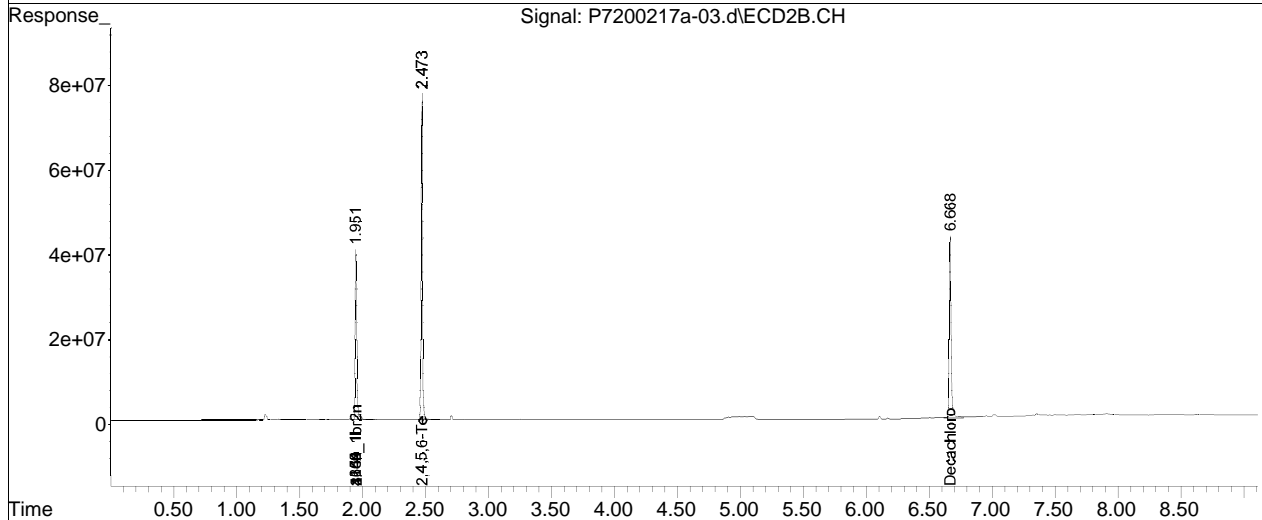
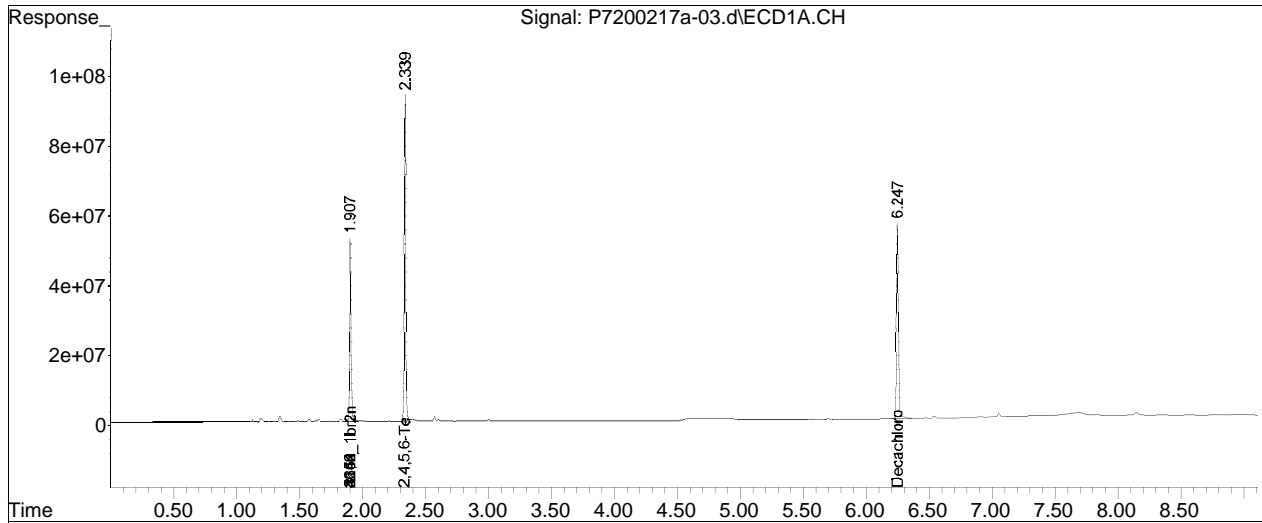
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest7\200217A\
 Data File : P7200217a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 3:20 pm
 Operator : pest7:aws
 Sample : wg1341282-1,42e,,nyb
 Misc : wg1341557,wg1341282,ical15997
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:02:47 2020
 Quant Method : I:\Pest7\200217A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest7\200217A\ Data File	: P7200217a-03.d	QMethod	: P7_pcb_07_28_19_ugL_ICAL
Date Inj'd	: 2/17/2020 3:20 pm		Operator	: pest7:aws
Sample	: wg1341282-1,42e,,nyb		Instrument	: Pest 7
			Quant Date	: 2/19/2020 6:02 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 11:42 am
 Operator : pest2:aws
 Sample : wg1339313-1,42e,,
 Misc : wg1339494,wg1339313,ical16010
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 11 13:34:16 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200211A\P2200211a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.087	2.275	99102739	72162543	25.000	25.000
Standard Area 1 : #1 = 79154571					Recovery =	125.20%
Standard Area 1 : #2 = 59085668					Recovery =	122.13%
14) i 2154_1br2nb	2.087	2.275	99102739	72162543	25.000	25.000
23) i 4268_1br2nb	2.087	2.275	99102739	72162543	25.000	25.000
34) i 1248_1br2nb	2.087	2.275	99102739	72162543	25.000	25.000
40) i 3262_1br2nb	2.087	2.275	99102739	72162543	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.566	2.917	57098780	42795032	14.042	14.075
Spiked Amount 20.000	Range 30 - 150				Recovery =	70.21% 70.38%
3) s Decachlorobi	6.566	7.259	48614476	35368556	12.454	14.880
Spiked Amount 20.000	Range 30 - 150				Recovery =	62.27% 74.40%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 11:42 am
 Operator : pest2:aws
 Sample : wg1339313-1,42e,,
 Misc : wg1339494,wg1339313,ical16010
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 11 13:34:16 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200211A\P2200211a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D.	N.D.
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14	1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D.	N.D.
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 11:42 am
 Operator : pest2:aws
 Sample : wg1339313-1,42e,,
 Misc : wg1339494,wg1339313,ical16010
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 11 13:34:16 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200211A\P2200211a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

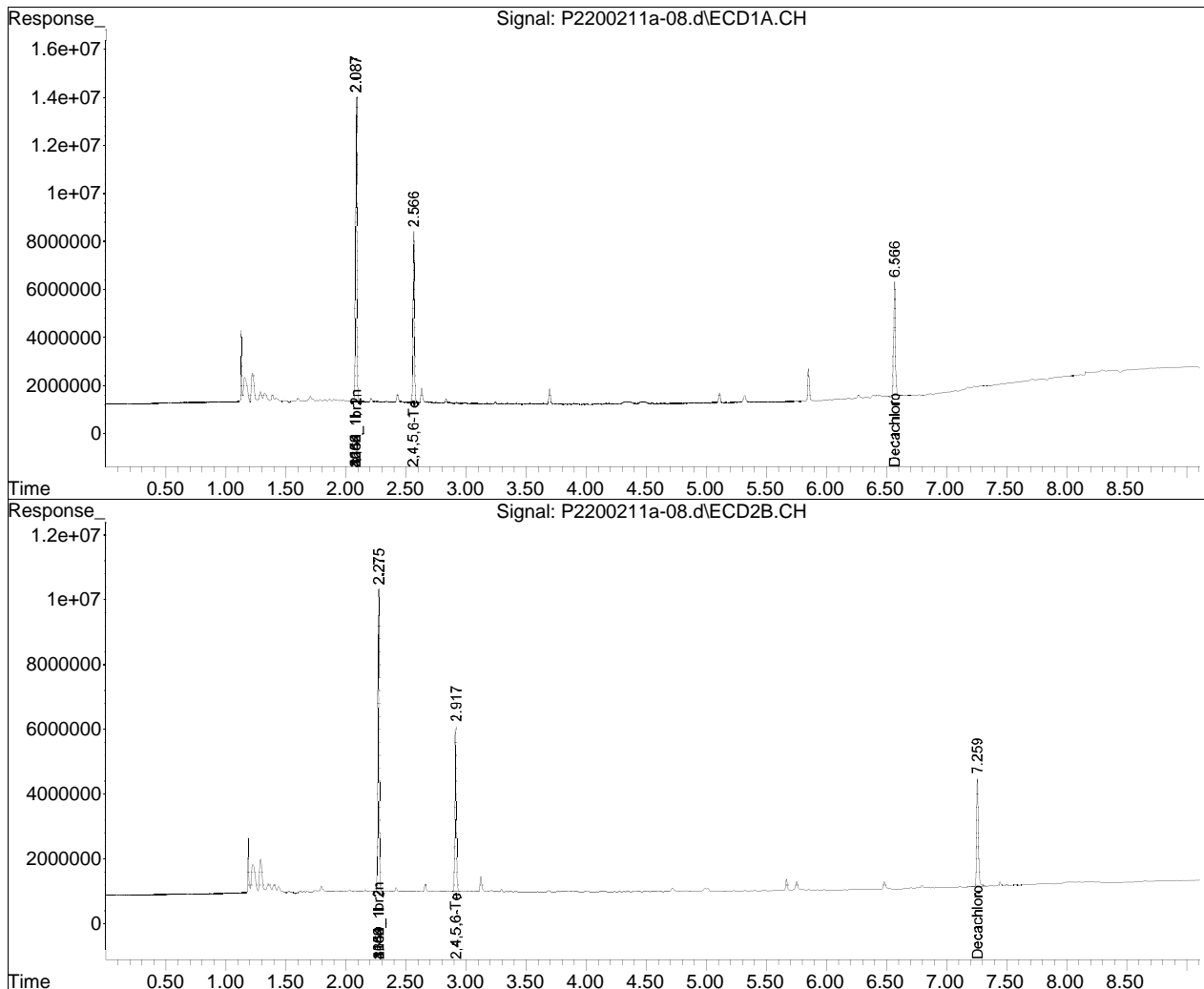
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200211A\
Data File : P2200211a-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Feb 2020 11:42 am
Operator : pest2:aws
Sample : wg1339313-1,42e,,
Misc : wg1339494,wg1339313,ical16010
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 11 13:34:16 2020
Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Mon Feb 03 12:53:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest2\200211A\ Data File	: P2200211a-08.d	QMethod	: P2_pcb_08_06_19_LVI_ugL_
Date Inj'd	: 2/11/2020 11:42 am		Operator	: pest2:aws
Sample	: wg1339313-1,42e,,		Instrument	: PEST 2
			Quant Date	: 2/11/2020 1:21 pm

There are no manual integrations or false positives in this file.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-01	Date Collected : 02/06/20 09:34
Client ID : E-187-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339020.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-02	Date Collected : 02/06/20 09:50
Client ID : E-187-1.5-2.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339020.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 91
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-03	Date Collected : 02/06/20 10:15
Client ID : E-186-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339020.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 91
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-04	Date Collected : 02/06/20 10:21
Client ID : E-186-1.5-2.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339020.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	84.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-05	Date Collected : 02/06/20 10:42
Client ID : E-178-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339020.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-06	Date Collected : 02/06/20 12:08
Client ID : E-178-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339020.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 92
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	92.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-08	Date Collected : 02/06/20 12:32
Client ID : E-161-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339020.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-10	Date Collected : 02/06/20 13:24
Client ID : E-160-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339020.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-11	Date Collected : 02/06/20 13:28
Client ID : E-160-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339020.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 92
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	92.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-12	Date Collected : 02/06/20 13:58
Client ID : E-171-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339020.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-13	Date Collected : 02/06/20 14:04
Client ID : E-171-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339020.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-14	Date Collected : 02/06/20 00:00
Client ID : X01-020620	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-16	Date Collected : 02/07/20 09:20
Client ID : E-121-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-17	Date Collected : 02/07/20 09:38
Client ID : E-121-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-19	Date Collected : 02/07/20 10:23
Client ID : E-123-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-20	Date Collected : 02/07/20 10:34
Client ID : E-123-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-21	Date Collected : 02/07/20 10:40
Client ID : E-123-3.0-3.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-22	Date Collected : 02/07/20 12:03
Client ID : E-119-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-23	Date Collected : 02/07/20 12:10
Client ID : E-119-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 93
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	92.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-24	Date Collected : 02/07/20 12:20
Client ID : E-119-3.0-3.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 93
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	92.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-26	Date Collected : 02/07/20 12:46
Client ID : E-124-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	77.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-27	Date Collected : 02/07/20 13:02
Client ID : E-124-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-28	Date Collected : 02/07/20 13:35
Client ID : E-126-0.5-1.0	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 75
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	75.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-29	Date Collected : 02/07/20 13:39
Client ID : E-126-2.0-2.5	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005778-32	Date Collected : 02/07/20 00:00
Client ID : X-2-0207202	Date Received : 02/07/20
Sample Location : TRENTON	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 71
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	71.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005778
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1339061-1	Date Collected : 02/06/20 00:00
Client ID : X01-020620DUP	Date Received : 02/07/20
Sample Location :	Date Analyzed : 02/10/20 10:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : PR
Lab File ID : WG1339061.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.1	0.100	NA	



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005778
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: X01-020620	Matrix	: SOIL
Lab Sample ID	: L2005778-14	Analysis Date	: 02/10/20 10:46
Dup Sample ID	: WG1339061-1	DUP Analysis Date	: 02/10/20 10:46

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	83.8	85.1	2	20





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Lab Number: L2005946

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

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**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0008.06		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2005946		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/10/2020		Date of Last Sample Receipt: 02/10/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-179-0.5-1.0	L2005946-01	AMTRAK-EAST BARRACKS	02/10/2020 09:39
E-179-2.0-2.5	L2005946-02	AMTRAK-EAST BARRACKS	02/10/2020 09:47
E-179-3.0-3.5	L2005946-03	AMTRAK-EAST BARRACKS	02/10/2020 09:54
E-162-0.5-1.0	L2005946-04	AMTRAK-EAST BARRACKS	02/10/2020 10:12
E-162-2.0-2.5	L2005946-05	AMTRAK-EAST BARRACKS	02/10/2020 10:16
E-172-0.5-1.0	L2005946-06	AMTRAK-EAST BARRACKS	02/10/2020 10:37
E-172-2.0-2.5	L2005946-07	AMTRAK-EAST BARRACKS	02/10/2020 10:45
E-122-0.5-1.0	L2005946-08	AMTRAK-EAST BARRACKS	02/10/2020 11:53
E-122-2.0-2.5	L2005946-09	AMTRAK-EAST BARRACKS	02/10/2020 12:07
E-122-3.0-3.5	L2005946-10	AMTRAK-EAST BARRACKS	02/10/2020 12:15
E-127-0.5-1.0	L2005946-11	AMTRAK-EAST BARRACKS	02/10/2020 12:37
E-127-2.0-2.5	L2005946-12	AMTRAK-EAST BARRACKS	02/10/2020 12:51
X-3-02102020	L2005946-13	AMTRAK-EAST BARRACKS	02/10/2020 00:00
E-139-0.5-1.0	L2005946-14	AMTRAK-EAST BARRACKS	02/10/2020 13:28
E-140-0.5-1.0	L2005946-15	AMTRAK-EAST BARRACKS	02/10/2020 13:58
EB-3-021020	L2005946-16	AMTRAK-EAST BARRACKS	02/10/2020 14:30

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Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0008.06	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2005946	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/10/2020	Date of Last Sample Receipt: 02/10/2020

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.

Technical Director/Representative (Typed) Melissa Sturgis	02/18/20
Technical Director/Representative (Signature) <i>Melissa Sturgis</i>	

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E-127-2.0-2.5 (L2005946-12D) Analyzed: 02/14/20 19:59 Chan. A&B	213
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Chain of Custody



ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 18 2020, 04:46 pm

Login Number: L2005946

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0008.06

Received: 10FEB20 Due Date: 18FEB20

Sample #	Client ID	Mat PR Collected
L2005946-01	E-179-0.5-1.0	3 S0 10FEB20 09:39
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 02/18/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2005946-02	E-179-2.0-2.5	3 S0 10FEB20 09:47
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/18/20		
NJ-8082,TS		
L2005946-03	E-179-3.0-3.5	3 S0 10FEB20 09:54
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/18/20		
HOLD-8082		
L2005946-04	E-162-0.5-1.0	3 S0 10FEB20 10:12
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/18/20		
NJ-8082,TS		
L2005946-05	E-162-2.0-2.5	3 S0 10FEB20 10:16
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/18/20		
HOLD-8082		
L2005946-06	E-172-0.5-1.0	3 S0 10FEB20 10:37
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/18/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 18 2020, 04:46 pm

Login Number: L2005946

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 10FEB20 Due Date: 18FEB20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2005946-07 E-172-2.0-2.5 3 S0 10FEB20 10:45

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/18/20

NJ-8082,TS

L2005946-08 E-122-0.5-1.0 3 S0 10FEB20 11:53

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/18/20

NJ-8082,TS

L2005946-09 E-122-2.0-2.5 3 S0 10FEB20 12:07

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/18/20

NJ-8082,TS

L2005946-10 E-122-3.0-3.5 3 S0 10FEB20 12:15

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/18/20

HOLD-8082

L2005946-11 E-127-0.5-1.0 3 S0 10FEB20 12:37

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/18/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 18 2020, 04:46 pm

Login Number: L2005946

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 10FEB20 Due Date: 18FEB20

Sample #	Client ID	Mat PR Collected
L2005946-12	E-127-2.0-2.5	3 S0 10FEB20 12:51
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/18/20		
NJ-8082,TS		
L2005946-13	X-3-02102020	3 S0 10FEB20 00:00
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/18/20		
NJ-8082,TS		
L2005946-14	E-139-0.5-1.0	3 S0 10FEB20 13:28
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/18/20		
NJ-8082,TS		
L2005946-15	E-140-0.5-1.0	3 S0 10FEB20 13:58
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/18/20		
NJ-8082,TS		
L2005946-16	EB-3-021020	1 S0 10FEB20 14:30
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/18/20		
NJ-8082-LVI		

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005946-01A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S2-D CUSTODY	W13-S2-D CUSTODY	Phillip Renaud
L2005946-01A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ilan Grossman
L2005946-01A	Glass-A.06	INTACT	11-FEB-20		W11-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-01A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W11-S3-D CUSTODY	W11-S3-D CUSTODY	Sam Bardsley
L2005946-01A	Glass-A.06	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2005946-01A	Glass-A.06	INTACT	11-FEB-20		W12-S3-C CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-01A	Glass-A.06	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C CUSTODY	W12-S3-C CUSTODY	Phillip Renaud
L2005946-01A	Glass-A.06	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-02A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S2-D CUSTODY	W13-S2-D CUSTODY	Phillip Renaud
L2005946-02A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ilan Grossman
L2005946-02A	Glass-A.06	INTACT	11-FEB-20		W11-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-02A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W11-S3-D CUSTODY	W11-S3-D CUSTODY	Sam Bardsley
L2005946-02A	Glass-A.06	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2005946-02A	Glass-A.06	INTACT	11-FEB-20		W12-S3-C CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-02A	Glass-A.06	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C CUSTODY	W12-S3-C CUSTODY	Phillip Renaud
L2005946-02A	Glass-A.06	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-03A	Glass-A.25	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S2-D CUSTODY	W13-S2-D CUSTODY	Phillip Renaud
L2005946-03A	Glass-A.25	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ilan Grossman
L2005946-03A	Glass-A.25	INTACT	11-FEB-20		W11-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-03A	Glass-A.25	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W11-S3-D CUSTODY	W11-S3-D CUSTODY	Sam Bardsley
L2005946-03A	Glass-A.25	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2005946-03A	Glass-A.25	INTACT	11-FEB-20		W12-S3-C CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-03A	Glass-A.25	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C CUSTODY	W12-S3-C CUSTODY	Phillip Renaud
L2005946-03A	Glass-A.25	INTACT	11-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-04A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S2-D CUSTODY	W13-S2-D CUSTODY	Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005946-04A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ilan Grossman
L2005946-04A	Glass-A.06	INTACT	11-FEB-20		W11-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-04A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W11-S3-D CUSTODY	W11-S3-D CUSTODY	Sam Bardsley
L2005946-04A	Glass-A.06	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2005946-04A	Glass-A.06	INTACT	11-FEB-20		W12-S3-C CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-04A	Glass-A.06	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C CUSTODY	W12-S3-C CUSTODY	Phillip Renaud
L2005946-04A	Glass-A.06	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-05A	Glass-A.25	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S2-D CUSTODY	W13-S2-D CUSTODY	Phillip Renaud
L2005946-05A	Glass-A.25	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ilan Grossman
L2005946-05A	Glass-A.25	INTACT	11-FEB-20		W11-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-05A	Glass-A.25	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W11-S3-D CUSTODY	W11-S3-D CUSTODY	Sam Bardsley
L2005946-05A	Glass-A.25	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2005946-05A	Glass-A.25	INTACT	11-FEB-20		W12-S3-C CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-05A	Glass-A.25	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C CUSTODY	W12-S3-C CUSTODY	Phillip Renaud
L2005946-05A	Glass-A.25	INTACT	11-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-06A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S2-D CUSTODY	W13-S2-D CUSTODY	Phillip Renaud
L2005946-06A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ilan Grossman
L2005946-06A	Glass-A.06	INTACT	11-FEB-20		W11-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-06A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W11-S3-D CUSTODY	W11-S3-D CUSTODY	Sam Bardsley
L2005946-06A	Glass-A.06	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2005946-06A	Glass-A.06	INTACT	11-FEB-20		W12-S3-C CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-06A	Glass-A.06	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C CUSTODY	W12-S3-C CUSTODY	Phillip Renaud
L2005946-06A	Glass-A.06	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-07A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S2-D CUSTODY	W13-S2-D CUSTODY	Phillip Renaud
L2005946-07A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ilan Grossman

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005946-07A	Glass-A.06	INTACT	11-FEB-20		W11-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-07A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W11-S3-D CUSTODY	W11-S3-D CUSTODY	Sam Bardsley
L2005946-07A	Glass-A.06	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2005946-07A	Glass-A.06	INTACT	11-FEB-20		W12-S3-C CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-07A	Glass-A.06	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C CUSTODY	W12-S3-C CUSTODY	Phillip Renaud
L2005946-07A	Glass-A.06	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-08A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W12-S3-D CUSTODY	W12-S3-D CUSTODY	Sam Bardsley
L2005946-08A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Steven Marengo
L2005946-08A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	W13-S2-D CUSTODY	Michael Lamb	ORGPREP	ORGPREP	Michael Lamb
L2005946-08A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S2-D CUSTODY	W13-S2-D CUSTODY	Phillip Renaud
L2005946-08A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ilan Grossman
L2005946-08A	Glass-A.06	INTACT	11-FEB-20		W11-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-08A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W11-S3-D CUSTODY	W11-S3-D CUSTODY	Sam Bardsley
L2005946-08A	Glass-A.06	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2005946-08A	Glass-A.06	INTACT	11-FEB-20		W12-S3-C CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-08A	Glass-A.06	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C CUSTODY	W12-S3-C CUSTODY	Phillip Renaud
L2005946-08A	Glass-A.06	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-09A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S2-D CUSTODY	W13-S2-D CUSTODY	Phillip Renaud
L2005946-09A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ilan Grossman
L2005946-09A	Glass-A.06	INTACT	11-FEB-20		W11-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-09A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W11-S3-D CUSTODY	W11-S3-D CUSTODY	Sam Bardsley
L2005946-09A	Glass-A.06	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2005946-09A	Glass-A.06	INTACT	11-FEB-20		W12-S3-C CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-09A	Glass-A.06	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C CUSTODY	W12-S3-C CUSTODY	Phillip Renaud
L2005946-09A	Glass-A.06	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005946-10A	Glass-A.25	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S2-D	CUSTODY W13-S2-D	CUSTODY Phillip Renaud
L2005946-10A	Glass-A.25	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Ilan Grossman
L2005946-10A	Glass-A.25	INTACT	11-FEB-20		W11-S3-D	CUSTODY Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-10A	Glass-A.25	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W11-S3-D	CUSTODY W11-S3-D	CUSTODY Sam Bardsley
L2005946-10A	Glass-A.25	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2005946-10A	Glass-A.25	INTACT	11-FEB-20		W12-S3-C	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-10A	Glass-A.25	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C	CUSTODY W12-S3-C	CUSTODY Phillip Renaud
L2005946-10A	Glass-A.25	INTACT	11-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-11A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S2-D	CUSTODY W13-S2-D	CUSTODY Phillip Renaud
L2005946-11A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Ilan Grossman
L2005946-11A	Glass-A.06	INTACT	11-FEB-20		W11-S3-D	CUSTODY Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-11A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W11-S3-D	CUSTODY W11-S3-D	CUSTODY Sam Bardsley
L2005946-11A	Glass-A.06	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2005946-11A	Glass-A.06	INTACT	11-FEB-20		W12-S3-C	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-11A	Glass-A.06	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C	CUSTODY W12-S3-C	CUSTODY Phillip Renaud
L2005946-11A	Glass-A.06	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-12A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S2-D	CUSTODY W13-S2-D	CUSTODY Phillip Renaud
L2005946-12A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Ilan Grossman
L2005946-12A	Glass-A.06	INTACT	11-FEB-20		W11-S3-D	CUSTODY Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-12A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W11-S3-D	CUSTODY W11-S3-D	CUSTODY Sam Bardsley
L2005946-12A	Glass-A.06	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2005946-12A	Glass-A.06	INTACT	11-FEB-20		W12-S3-C	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-12A	Glass-A.06	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C	CUSTODY W12-S3-C	CUSTODY Phillip Renaud
L2005946-12A	Glass-A.06	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-13A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W13-S2-D	CUSTODY W13-S2-D	CUSTODY Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005946-13A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ilan Grossman
L2005946-13A	Glass-A.06	INTACT	11-FEB-20		W11-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-13A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W11-S3-D CUSTODY	W11-S3-D CUSTODY	Sam Bardsley
L2005946-13A	Glass-A.06	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2005946-13A	Glass-A.06	INTACT	11-FEB-20		W12-S3-C CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-13A	Glass-A.06	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C CUSTODY	W12-S3-C CUSTODY	Phillip Renaud
L2005946-13A	Glass-A.06	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-14A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S2-D CUSTODY	W13-S2-D CUSTODY	Phillip Renaud
L2005946-14A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ilan Grossman
L2005946-14A	Glass-A.06	INTACT	11-FEB-20		W11-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-14A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W11-S3-D CUSTODY	W11-S3-D CUSTODY	Sam Bardsley
L2005946-14A	Glass-A.06	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2005946-14A	Glass-A.06	INTACT	11-FEB-20		W12-S3-C CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-14A	Glass-A.06	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C CUSTODY	W12-S3-C CUSTODY	Phillip Renaud
L2005946-14A	Glass-A.06	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-15A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W13-S2-D CUSTODY	W13-S2-D CUSTODY	Phillip Renaud
L2005946-15A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Ilan Grossman
L2005946-15A	Glass-A.06	INTACT	11-FEB-20		W11-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2005946-15A	Glass-A.06	INTACT	11-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W11-S3-D CUSTODY	W11-S3-D CUSTODY	Sam Bardsley
L2005946-15A	Glass-A.06	INTACT	11-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2005946-15A	Glass-A.06	INTACT	11-FEB-20		W12-S3-C CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2005946-15A	Glass-A.06	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W12-S3-C CUSTODY	W12-S3-C CUSTODY	Phillip Renaud
L2005946-15A	Glass-A.06	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2005946-16A	Amber-A.120	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W24-S2-A CUSTODY	W24-S2-A CUSTODY	Phillip Renaud
L2005946-16A	Amber-A.120	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2005946-16B Amber-A.120	EMPTY	11-FEB-20		ORGPREP	Michael Plante	CUSTODY	CUSTODY	Michael Plante
L2005946-16B Amber-A.120	INTACT	11-FEB-20		W24-S2-A CUSTODY	Michael Plante	ORGPREP	ORGPREP	Michael Plante
L2005946-16B Amber-A.120	INTACT	11-FEB-20		CUSTODY	Phillip Renaud	W24-S2-A CUSTODY	W24-S2-A CUSTODY	Phillip Renaud
L2005946-16B Amber-A.120	INTACT	10-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi

Methodology Review

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2005946
Report Date: 02/18/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler **Custody Seal**
 A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2005946-01A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJ-8082(14),TS(7)
L2005946-02A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJ-8082(14),TS(7)
L2005946-03A	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-8082(14)
L2005946-04A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJ-8082(14),TS(7)
L2005946-05A	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-8082(14)
L2005946-06A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJ-8082(14),TS(7)
L2005946-07A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJ-8082(14),TS(7)
L2005946-08A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJ-8082(14),TS(7)
L2005946-09A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJ-8082(14),TS(7)
L2005946-10A	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		HOLD-8082(14)
L2005946-11A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJ-8082(14),TS(7)
L2005946-12A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJ-8082(14),TS(7)
L2005946-13A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJ-8082(14),TS(7)
L2005946-14A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJ-8082(14),TS(7)
L2005946-15A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NJ-8082(14),TS(7)
L2005946-16A	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NJ-8082-LVI(7)
L2005946-16B	Amber 120ml unpreserved	A	7	7	3.2	Y	Absent		NJ-8082-LVI(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2005946
Report Date: 02/18/20

**NJ DEP Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^{\circ} \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	NO

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2005946
Report Date: 02/18/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2005946
Report Date: 02/18/20

Case Narrative (continued)

Report Submission

February 18, 2020: This final report includes the results of all requested analyses.

February 17, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

L2005946-11, -13, -14, and -15: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

L2005946-11, -13, -14, and -15: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Melissa Sturgis*

Report Date: 02/18/20

Title: Technical Director/Representative



Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2005946
Report Date: 02/18/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2005946
Report Date: 02/18/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Organics



**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-01	Date Collected : 02/10/20 09:39
Client ID : E-179-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 16:08
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200213a-28	Analyst : CW
Sample Amount : 15.27 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 91
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0358	0.00318	U
11104-28-2	Aroclor 1221	ND	0.0358	0.00359	U
11141-16-5	Aroclor 1232	ND	0.0358	0.00759	U
53469-21-9	Aroclor 1242	ND	0.0358	0.00483	U
12672-29-6	Aroclor 1248	ND	0.0358	0.00537	U
11097-69-1	Aroclor 1254	ND	0.0358	0.00392	U
11096-82-5	Aroclor 1260	0.0481	0.0358	0.00662	
37324-23-5	Aroclor 1262	ND	0.0358	0.00455	U
11100-14-4	Aroclor 1268	ND	0.0358	0.00371	U
1336-36-3	PCBs, Total	0.0481	0.0358	0.00318	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2005946-02 Client ID : E-179-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200213a-29 Sample Amount : 15.9 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005946 Project Number : 277710568.0008.06 Date Collected : 02/10/20 09:47 Date Received : 02/10/20 Date Analyzed : 02/13/20 16:15 Date Extracted : 02/11/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-Pesticide %Solids : 94 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0334	0.00297	U
11104-28-2	Aroclor 1221	ND	0.0334	0.00335	U
11141-16-5	Aroclor 1232	ND	0.0334	0.00709	U
53469-21-9	Aroclor 1242	ND	0.0334	0.00451	U
12672-29-6	Aroclor 1248	ND	0.0334	0.00502	U
11097-69-1	Aroclor 1254	ND	0.0334	0.00366	U
11096-82-5	Aroclor 1260	ND	0.0334	0.00618	U
37324-23-5	Aroclor 1262	ND	0.0334	0.00425	U
11100-14-4	Aroclor 1268	ND	0.0334	0.00346	U
1336-36-3	PCBs, Total	ND	0.0334	0.00297	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-04	Date Collected : 02/10/20 10:12
Client ID : E-162-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 16:21
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200213a-30	Analyst : CW
Sample Amount : 15.26 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0375	0.00333	U
11104-28-2	Aroclor 1221	ND	0.0375	0.00376	U
11141-16-5	Aroclor 1232	ND	0.0375	0.00795	U
53469-21-9	Aroclor 1242	ND	0.0375	0.00505	U
12672-29-6	Aroclor 1248	ND	0.0375	0.00562	U
11097-69-1	Aroclor 1254	ND	0.0375	0.00410	U
11096-82-5	Aroclor 1260	0.00774	0.0375	0.00693	J
37324-23-5	Aroclor 1262	ND	0.0375	0.00476	U
11100-14-4	Aroclor 1268	ND	0.0375	0.00388	U
1336-36-3	PCBs, Total	0.00774	0.0375	0.00333	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-06	Date Collected : 02/10/20 10:37
Client ID : E-172-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 16:28
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200213a-31	Analyst : CW
Sample Amount : 15.59 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 82
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0390	0.00346	U
11104-28-2	Aroclor 1221	ND	0.0390	0.00390	U
11141-16-5	Aroclor 1232	ND	0.0390	0.00826	U
53469-21-9	Aroclor 1242	ND	0.0390	0.00525	U
12672-29-6	Aroclor 1248	ND	0.0390	0.00584	U
11097-69-1	Aroclor 1254	ND	0.0390	0.00426	U
11096-82-5	Aroclor 1260	0.0654	0.0390	0.00720	
37324-23-5	Aroclor 1262	ND	0.0390	0.00495	U
11100-14-4	Aroclor 1268	ND	0.0390	0.00404	U
1336-36-3	PCBs, Total	0.0654	0.0390	0.00346	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-07	Date Collected : 02/10/20 10:45
Client ID : E-172-2.0-2.5	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 16:35
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200213a-32	Analyst : CW
Sample Amount : 15.63 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 90
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0357	0.00317	U
11104-28-2	Aroclor 1221	ND	0.0357	0.00358	U
11141-16-5	Aroclor 1232	ND	0.0357	0.00758	U
53469-21-9	Aroclor 1242	ND	0.0357	0.00482	U
12672-29-6	Aroclor 1248	ND	0.0357	0.00536	U
11097-69-1	Aroclor 1254	ND	0.0357	0.00391	U
11096-82-5	Aroclor 1260	0.0203	0.0357	0.00660	J
37324-23-5	Aroclor 1262	ND	0.0357	0.00454	U
11100-14-4	Aroclor 1268	ND	0.0357	0.00370	U
1336-36-3	PCBs, Total	0.0203	0.0357	0.00317	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-08	Date Collected : 02/10/20 11:53
Client ID : E-122-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 20:50
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-50	Analyst : CW
Sample Amount : 15.43 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 77
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0420	0.00373	U
11104-28-2	Aroclor 1221	ND	0.0420	0.00420	U
11141-16-5	Aroclor 1232	ND	0.0420	0.00890	U
53469-21-9	Aroclor 1242	ND	0.0420	0.00566	U
12672-29-6	Aroclor 1248	ND	0.0420	0.00630	U
11097-69-1	Aroclor 1254	ND	0.0420	0.00459	U
11096-82-5	Aroclor 1260	0.709	0.0420	0.00776	
37324-23-5	Aroclor 1262	ND	0.0420	0.00533	U
11100-14-4	Aroclor 1268	ND	0.0420	0.00435	U
1336-36-3	PCBs, Total	0.709	0.0420	0.00373	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-09	Date Collected : 02/10/20 12:07
Client ID : E-122-2.0-2.5	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 16:49
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200213a-34	Analyst : CW
Sample Amount : 15.34 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 91
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0358	0.00318	U
11104-28-2	Aroclor 1221	ND	0.0358	0.00358	U
11141-16-5	Aroclor 1232	ND	0.0358	0.00758	U
53469-21-9	Aroclor 1242	ND	0.0358	0.00482	U
12672-29-6	Aroclor 1248	ND	0.0358	0.00537	U
11097-69-1	Aroclor 1254	ND	0.0358	0.00391	U
11096-82-5	Aroclor 1260	0.0970	0.0358	0.00661	
37324-23-5	Aroclor 1262	ND	0.0358	0.00454	U
11100-14-4	Aroclor 1268	ND	0.0358	0.00371	U
1336-36-3	PCBs, Total	0.0970	0.0358	0.00318	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-11D	Date Collected : 02/10/20 12:37
Client ID : E-127-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 19:53
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 23200214b-18	Analyst : CW
Sample Amount : 15.38 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.754	0.0670	U
11104-28-2	Aroclor 1221	ND	0.754	0.0756	U
11141-16-5	Aroclor 1232	ND	0.754	0.160	U
53469-21-9	Aroclor 1242	ND	0.754	0.102	U
12672-29-6	Aroclor 1248	ND	0.754	0.113	U
11097-69-1	Aroclor 1254	ND	0.754	0.0825	U
37324-23-5	Aroclor 1262	ND	0.754	0.0958	U
11100-14-4	Aroclor 1268	ND	0.754	0.0781	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2005946-11D Client ID : E-127-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200214b-18 Sample Amount : 15.38 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005946 Project Number : 277710568.0008.06 Date Collected : 02/10/20 12:37 Date Received : 02/10/20 Date Analyzed : 02/14/20 19:53 Date Extracted : 02/11/20 Dilution Factor : 20 Analyst : CW Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 86 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	6.27	0.754	0.139	
1336-36-3	PCBs, Total	6.27	0.754	0.0670	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005946
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2005946-12D	Date Collected	: 02/10/20 12:51
Client ID	: E-127-2.0-2.5	Date Received	: 02/10/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/14/20 19:59
Sample Matrix	: SOIL	Date Extracted	: 02/11/20
Analytical Method	: 1,8082A	Dilution Factor	: 5
Lab File ID	: 23200214b-19	Analyst	: CW
Sample Amount	: 15.36 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 82
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.200	0.0177	U
11104-28-2	Aroclor 1221	ND	0.200	0.0200	U
11141-16-5	Aroclor 1232	ND	0.200	0.0423	U
53469-21-9	Aroclor 1242	ND	0.200	0.0269	U
12672-29-6	Aroclor 1248	ND	0.200	0.0300	U
11097-69-1	Aroclor 1254	ND	0.200	0.0218	U
37324-23-5	Aroclor 1262	ND	0.200	0.0254	U
11100-14-4	Aroclor 1268	ND	0.200	0.0207	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2005946-12D Client ID : E-127-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200214b-19 Sample Amount : 15.36 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005946 Project Number : 277710568.0008.06 Date Collected : 02/10/20 12:51 Date Received : 02/10/20 Date Analyzed : 02/14/20 19:59 Date Extracted : 02/11/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 82 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	2.20	0.200	0.0369	
1336-36-3	PCBs, Total	2.20	0.200	0.0177	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-13D	Date Collected : 02/10/20 00:00
Client ID : X-3-02102020	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 20:06
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 23200214b-20	Analyst : CW
Sample Amount : 15.54 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.741	0.0658	U
11104-28-2	Aroclor 1221	ND	0.741	0.0743	U
11141-16-5	Aroclor 1232	ND	0.741	0.157	U
53469-21-9	Aroclor 1242	ND	0.741	0.0999	U
12672-29-6	Aroclor 1248	ND	0.741	0.111	U
11097-69-1	Aroclor 1254	ND	0.741	0.0811	U
37324-23-5	Aroclor 1262	ND	0.741	0.0942	U
11100-14-4	Aroclor 1268	ND	0.741	0.0768	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2005946-13D Client ID : X-3-02102020 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200214b-20 Sample Amount : 15.54 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005946 Project Number : 277710568.0008.06 Date Collected : 02/10/20 00:00 Date Received : 02/10/20 Date Analyzed : 02/14/20 20:06 Date Extracted : 02/11/20 Dilution Factor : 20 Analyst : CW Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 87 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	5.65	0.741	0.137	
1336-36-3	PCBs, Total	5.65	0.741	0.0658	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2005946-14D Client ID : E-139-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200214b-21 Sample Amount : 15.51 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2005946 Project Number : 277710568.0008.06 Date Collected : 02/10/20 13:28 Date Received : 02/10/20 Date Analyzed : 02/14/20 20:13 Date Extracted : 02/11/20 Dilution Factor : 500 Analyst : CW Instrument ID : PEST23 GC Column : CLP-Pesticide %Solids : 82 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	19.8	1.75	U
11104-28-2	Aroclor 1221	ND	19.8	1.98	U
11141-16-5	Aroclor 1232	ND	19.8	4.19	U
53469-21-9	Aroclor 1242	ND	19.8	2.66	U
12672-29-6	Aroclor 1248	ND	19.8	2.96	U
11097-69-1	Aroclor 1254	ND	19.8	2.16	U
11096-82-5	Aroclor 1260	64.3	19.8	3.65	
37324-23-5	Aroclor 1262	ND	19.8	2.51	U
11100-14-4	Aroclor 1268	ND	19.8	2.05	U
1336-36-3	PCBs, Total	64.3	19.8	1.75	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-15D	Date Collected : 02/10/20 13:58
Client ID : E-140-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 20:20
Sample Matrix : SOIL	Date Extracted : 02/11/20
Analytical Method : 1,8082A	Dilution Factor : 1000
Lab File ID : 23200214b-22	Analyst : CW
Sample Amount : 15.07 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 82
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	40.4	3.58	U
11104-28-2	Aroclor 1221	ND	40.4	4.04	U
11141-16-5	Aroclor 1232	ND	40.4	8.56	U
53469-21-9	Aroclor 1242	ND	40.4	5.44	U
12672-29-6	Aroclor 1248	ND	40.4	6.05	U
11097-69-1	Aroclor 1254	ND	40.4	4.42	U
11096-82-5	Aroclor 1260	120.	40.4	7.46	
37324-23-5	Aroclor 1262	ND	40.4	5.13	U
11100-14-4	Aroclor 1268	ND	40.4	4.18	U
1336-36-3	PCBs, Total	120.	40.4	3.58	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005946
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2005946-16	Date Collected	: 02/10/20 14:30
Client ID	: EB-3-021020	Date Received	: 02/10/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/12/20 15:18
Sample Matrix	: WATER	Date Extracted	: 02/11/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: P2200212a-15	Analyst	: CW
Sample Amount	: 140 ml	Instrument ID	: PEST2
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005946
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: WG1339313-1	Date Collected	: NA
Client ID	: WG1339313-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/11/20 11:42
Sample Matrix	: WATER	Date Extracted	: 02/11/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: P2200211a-08	Analyst	: AWS
Sample Amount	: 140 ml	Instrument ID	: PEST2
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005946
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: WG1339677-1	Date Collected	: NA
Client ID	: WG1339677-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/13/20 15:34
Sample Matrix	: SOIL	Date Extracted	: 02/11/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 23200213a-23	Analyst	: CW
Sample Amount	: 15.57 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0321	0.00285	U
11104-28-2	Aroclor 1221	ND	0.0321	0.00322	U
11141-16-5	Aroclor 1232	ND	0.0321	0.00681	U
53469-21-9	Aroclor 1242	ND	0.0321	0.00433	U
12672-29-6	Aroclor 1248	ND	0.0321	0.00482	U
11097-69-1	Aroclor 1254	ND	0.0321	0.00351	U
11096-82-5	Aroclor 1260	ND	0.0321	0.00593	U
37324-23-5	Aroclor 1262	ND	0.0321	0.00408	U
11100-14-4	Aroclor 1268	ND	0.0321	0.00333	U
1336-36-3	PCBs, Total	ND	0.0321	0.00285	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005946
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: WG1340551-1	Date Collected	: NA
Client ID	: WG1340551-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/14/20 16:42
Sample Matrix	: SOIL	Date Extracted	: 02/13/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200214a-20	Analyst	: CW
Sample Amount	: 15.21 g	Instrument ID	: PEST13
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0329	0.00292	U
11104-28-2	Aroclor 1221	ND	0.0329	0.00329	U
11141-16-5	Aroclor 1232	ND	0.0329	0.00697	U
53469-21-9	Aroclor 1242	ND	0.0329	0.00443	U
12672-29-6	Aroclor 1248	ND	0.0329	0.00493	U
11097-69-1	Aroclor 1254	ND	0.0329	0.00360	U
11096-82-5	Aroclor 1260	ND	0.0329	0.00607	U
37324-23-5	Aroclor 1262	ND	0.0329	0.00417	U
11100-14-4	Aroclor 1268	ND	0.0329	0.00340	U
1336-36-3	PCBs, Total	ND	0.0329	0.00292	U



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1339313-1	Lab File ID : P2200211a-08
Matrix : WATER	Extraction Date : 02/11/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/11/20 11:42	Analysis Date (2) : 02/11/20 11:42
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1339313-2LCS	WG1339313-2	02/11/20 11:56	02/11/20 11:56
WG1339313-3LCSD	WG1339313-3	02/11/20 12:09	02/11/20 12:09
EB-3-021020	L2005946-16	02/12/20 15:18	02/12/20 15:18



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1339677-1	Lab File ID : 23200213a-23
Matrix : SOIL	Extraction Date : 02/11/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/13/20 15:34	Analysis Date (2) : 02/13/20 15:34
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1339677-2LCS	WG1339677-2	02/13/20 15:41	02/13/20 15:41
WG1339677-3LCSD	WG1339677-3	02/13/20 15:48	02/13/20 15:48
E-179-0.5-1.0	L2005946-01	02/13/20 16:08	02/13/20 16:08
E-179-2.0-2.5	L2005946-02	02/13/20 16:15	02/13/20 16:15
E-162-0.5-1.0	L2005946-04	02/13/20 16:21	02/13/20 16:21
E-172-0.5-1.0	L2005946-06	02/13/20 16:28	02/13/20 16:28
E-172-2.0-2.5	L2005946-07	02/13/20 16:35	02/13/20 16:35
E-122-2.0-2.5	L2005946-09	02/13/20 16:49	02/13/20 16:49
E-127-0.5-1.0	L2005946-11D	02/14/20 19:53	02/14/20 19:53
E-127-2.0-2.5	L2005946-12D	02/14/20 19:59	02/14/20 19:59
X-3-02102020	L2005946-13D	02/14/20 20:06	02/14/20 20:06
E-139-0.5-1.0	L2005946-14D	02/14/20 20:13	02/14/20 20:13
E-140-0.5-1.0	L2005946-15D	02/14/20 20:20	02/14/20 20:20



**Method Blank Summary
Form 4
PCBs**

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005946
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: WG1340551-1	Lab File ID	: 13200214a-20
Matrix	: SOIL	Extraction Date	: 02/13/20
Sulfur Cleanup	: Y		
Analysis Date (1)	: 02/14/20 16:42	Analysis Date (2)	: 02/14/20 16:42
Instrument ID (1)	: PEST13	Instrument ID (2)	: PEST13

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1340551-2LCS	WG1340551-2	02/14/20 16:54	02/14/20 16:54
WG1340551-3LCSD	WG1340551-3	02/14/20 17:06	02/14/20 17:06
E-122-0.5-1.0	L2005946-08	02/14/20 20:50	02/14/20 20:50



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVIIi-17.d 2 =P2190806LVIIi-03.d 3 =P2190806LVIIi-04.d 4 =P2190806LVIIi-08.d
 5 =P2190806LVIIi-06.d 6 =P2190806LVIIi-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD	
-----ISTD-----									
1) i 1660_lbr2nb									
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52	
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76	
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34	
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92	
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51	
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85	
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45	
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50	
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47	
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23	
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52	
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03	
-----ISTD-----									
14) i 2154_lbr2nb									
15) 13 1221-2				0.011				0.011	0.00
16) 13 1221-3				0.007				0.007	0.00
17) 13 1221-4				0.026				0.026	0.00
18) 14 1254-1				0.041				0.041	0.00
19) 14 1254-2				0.047				0.047	0.00
20) 14 1254-3				0.071				0.071	0.00
21) 14 1254-4				0.046				0.046	0.00
22) 14 1254-5				0.070				0.070	0.00
-----ISTD-----									
23) i 4268_lbr2nb									
24) 16 1242-1				0.015				0.015	0.00
25) 16 1242-2				0.037				0.037	0.00
26) 16 1242-3				0.025				0.025	0.00
27) 16 1242-4				0.022				0.022	0.00
28) 16 1242-5				0.021				0.021	0.00
29) 19 1268-1				0.135				0.135	0.00
30) 19 1268-2				0.143				0.143	0.00
31) 19 1268-3				0.091				0.091	0.00
32) 19 1268-4				0.049				0.049	0.00
33) 19 1268-5				0.259				0.259	0.00
-----ISTD-----									
34) i 1248_lbr2nb									
35) 17 1248-1				0.022				0.022	0.00
36) 17 1248-2				0.028				0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005946
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST13 **Ical Ref** : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09

Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.008	1.056	1.128	1.166	1.076	1.175	1.101	5.98
3) s Decachlorobip	0.843	0.811	0.866	0.872	0.822	0.885	0.850	3.47
4) 11 1016-1	0.020	0.019	0.019	0.018	0.016	0.017	0.018	9.50
5) 11 1016-2	0.045	0.042	0.042	0.040	0.035	0.038	0.040	9.15
6) 11 1016-3	0.084	0.083	0.088	0.089	0.082	0.087	0.086	3.55
7) 11 1016-4	0.037	0.037	0.037	0.036	0.033	0.035	0.036	4.48
8) 11 1016-5	0.039	0.039	0.040	0.039	0.037	0.040	0.039	3.28
9) 12 1260-1	0.060	0.057	0.059	0.059	0.055	0.059	0.058	3.19
10) 12 1260-2	0.087	0.085	0.088	0.089	0.083	0.089	0.087	2.80
11) 12 1260-3	0.058	0.054	0.057	0.057	0.053	0.057	0.056	3.34
12) 12 1260-4	0.118	0.118	0.126	0.133	0.118	0.133	0.124	5.92
13) 12 1260-5	0.080	0.081	0.084	0.086	0.081	0.089	0.083	4.14
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.012	0.012	0.011	0.011	0.010	0.010	0.011	8.71
16) 13 1221-3	0.008	0.007	0.007	0.007	0.006	0.006	0.007	11.17
17) 13 1221-4	0.031	0.028	0.026	0.027	0.024	0.021	0.026	13.29
18) 14 1254-1	0.047	0.042	0.041	0.044	0.041	0.039	0.042	7.30
19) 14 1254-2	0.079	0.072	0.070	0.077	0.071	0.068	0.073	5.87
20) 14 1254-3	0.073	0.070	0.069	0.077	0.071	0.068	0.071	4.46
21) 14 1254-4	0.054	0.052	0.051	0.057	0.054	0.053	0.054	4.12
22) 14 1254-5	0.076	0.074	0.073	0.081	0.076	0.074	0.076	3.75
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.017	0.015	0.015	0.014	0.013	0.012	0.015	11.59
25) 16 1242-2	0.039	0.035	0.034	0.031	0.030	0.028	0.033	11.49
26) 16 1242-3	0.071	0.068	0.069	0.068	0.068	0.066	0.068	2.28
27) 16 1242-4	0.036	0.033	0.033	0.032	0.030	0.030	0.032	7.35
28) 16 1242-5	0.022	0.022	0.022	0.022	0.021	0.022	0.022	1.06
29) 19 1268-1	0.159	0.149	0.155	0.156	0.153	0.147	0.153	2.94
30) 19 1268-2	0.160	0.153	0.163	0.164	0.162	0.158	0.160	2.47
31) 19 1268-3	0.103	0.097	0.102	0.103	0.104	0.101	0.102	2.38
32) 19 1268-4	0.048	0.047	0.048	0.049	0.049	0.050	0.049	1.80
33) 19 1268-5	0.283	0.286	0.299	0.303	0.295	0.280	0.291	3.20
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.027	0.027	0.027	0.028	0.026	0.027	0.027	1.53
36) 17 1248-2	0.042	0.041	0.037	0.039	0.037	0.037	0.039	5.36



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09	

Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.063	0.061	0.060	0.059	0.057	0.057	0.060	4.17
38) 17 1248-4	0.046	0.049	0.049	0.052	0.050	0.051	0.050	3.90
39) 17 1248-5	0.047	0.050	0.046	0.047	0.045	0.045	0.047	3.61
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.022	0.021	0.020	0.019	0.017	0.017	0.019	10.32
42) 15 1232-2	0.022	0.020	0.019	0.018	0.017	0.017	0.019	10.86
43) 15 1232-3	0.038	0.039	0.039	0.038	0.038	0.039	0.039	0.99
44) 15 1232-4	0.017	0.018	0.017	0.016	0.015	0.016	0.017	5.41
45) 15 1232-5	0.010	0.011	0.011	0.011	0.011	0.012	0.011	4.58
46) 18 1262-1	0.055	0.054	0.054	0.054	0.054	0.055	0.054	1.12
47) 18 1262-2	0.070	0.069	0.070	0.069	0.069	0.070	0.069	0.80
48) 18 1262-3	0.061	0.060	0.062	0.062	0.062	0.063	0.062	1.70
49) 18 1262-4	0.118	0.115	0.118	0.120	0.118	0.118	0.118	1.36
50) 18 1262-5	0.034	0.037	0.038	0.038	0.038	0.040	0.038	5.27



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005946
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST13	Ical Ref	: ICAL16298
Calibration dates	: 11/14/19 02:11 11/14/19 13:09		

Signal #2 Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.923	1.003	1.045	1.067	0.995	1.068	1.017	5.47
3) s Decachlorobip	0.540	0.533	0.546	0.545	0.513	0.558	0.539	2.83
4) 11 1016-1	0.018	0.017	0.017	0.016	0.015	0.015	0.017	7.66
5) 11 1016-2	0.041	0.040	0.039	0.037	0.034	0.035	0.038	7.57
6) 11 1016-3	0.078	0.077	0.079	0.078	0.072	0.075	0.076	3.61
7) 11 1016-4	0.025	0.028	0.029	0.028	0.026	0.028	0.027	6.03
8) 11 1016-5	0.024	0.024	0.024	0.024	0.022	0.024	0.024	3.27
9) 12 1260-1	0.046	0.045	0.045	0.045	0.042	0.045	0.045	3.40
10) 12 1260-2	0.052	0.053	0.054	0.053	0.049	0.053	0.052	3.15
11) 12 1260-3	0.040	0.042	0.043	0.043	0.040	0.043	0.042	3.62
12) 12 1260-4	0.080	0.085	0.088	0.089	0.083	0.089	0.086	4.40
13) 12 1260-5	0.054	0.055	0.057	0.057	0.054	0.059	0.056	3.83
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.011	0.011	0.010	0.010	0.009	0.009	0.010	7.69
16) 13 1221-3	0.007	0.007	0.006	0.006	0.006	0.005	0.006	9.99
17) 13 1221-4	0.027	0.025	0.023	0.023	0.021	0.019	0.023	11.22
18) 14 1254-1	0.042	0.038	0.037	0.038	0.036	0.035	0.037	6.54
19) 14 1254-2	0.057	0.044	0.041	0.043	0.040	0.038	0.044	15.19
20) 14 1254-3	0.058	0.062	0.055	0.058	0.054	0.052	0.057	6.04
21) 14 1254-4	0.043	0.042	0.041	0.043	0.040	0.039	0.041	3.63
22) 14 1254-5	0.059	0.058	0.056	0.059	0.056	0.055	0.057	3.31
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.015	0.014	0.014	0.013	0.012	0.011	0.013	10.58
25) 16 1242-2	0.033	0.032	0.031	0.029	0.028	0.026	0.030	9.84
26) 16 1242-3	0.067	0.062	0.062	0.059	0.058	0.055	0.060	6.37
27) 16 1242-4	0.021	0.020	0.020	0.018	0.019	0.018	0.019	6.57
28) 16 1242-5	0.020	0.019	0.019	0.018	0.018	0.017	0.018	5.35
29) 19 1268-1	0.109	0.104	0.107	0.103	0.104	0.099	0.104	3.52
30) 19 1268-2	0.110	0.108	0.112	0.109	0.111	0.105	0.109	2.15
31) 19 1268-3	0.070	0.067	0.069	0.068	0.070	0.067	0.068	1.97
32) 19 1268-4	0.033	0.031	0.031	0.031	0.032	0.031	0.032	2.45
33) 19 1268-5	0.182	0.180	0.189	0.185	0.188	0.176	0.183	2.75
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.024	0.024	0.024	0.024	0.023	0.023	0.024	2.05
36) 17 1248-2	0.032	0.031	0.030	0.029	0.028	0.028	0.030	4.82



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09	

Signal #2 Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.037	0.037	0.036	0.036	0.035	0.035	0.036	2.53
38) 17 1248-4	0.040	0.041	0.040	0.040	0.039	0.039	0.040	1.71
39) 17 1248-5	0.046	0.046	0.044	0.044	0.044	0.044	0.045	2.11
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.019	0.019	0.018	0.017	0.015	0.015	0.017	10.01
42) 15 1232-2	0.017	0.019	0.018	0.017	0.016	0.016	0.017	7.40
43) 15 1232-3	0.036	0.035	0.034	0.034	0.033	0.032	0.034	3.79
44) 15 1232-4	0.010	0.010	0.010	0.010	0.010	0.010	0.010	3.94
45) 15 1232-5	0.009	0.010	0.009	0.009	0.009	0.009	0.009	3.17
46) 18 1262-1	0.036	0.037	0.036	0.035	0.034	0.035	0.036	3.06
47) 18 1262-2	0.050	0.053	0.052	0.048	0.047	0.048	0.050	4.51
48) 18 1262-3	0.045	0.047	0.046	0.045	0.044	0.044	0.045	2.72
49) 18 1262-4	0.081	0.086	0.086	0.085	0.083	0.082	0.084	2.61
50) 18 1262-5	0.024	0.026	0.027	0.027	0.027	0.028	0.027	4.38



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005946
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Ical Ref** : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.580	1.358	1.329	1.239	1.126	1.195	1.305	12.25
3) s Decachlorobiphenyl	1.366	1.092	1.055	0.972	0.874	0.920	1.047	16.84
4) 11 1016-1	0.030	0.027	0.026	0.023	0.020	0.021	0.025	15.05
5) 11 1016-2	0.063	0.058	0.056	0.049	0.043	0.045	0.052	14.74
6) 11 1016-3	0.132	0.115	0.110	0.100	0.090	0.094	0.107	14.46
7) 11 1016-4	0.058	0.050	0.047	0.042	0.037	0.038	0.045	17.00
8) 11 1016-5	0.057	0.052	0.050	0.045	0.039	0.040	0.047	14.50
9) 12 1260-1	0.082	0.071	0.068	0.061	0.055	0.057	0.066	15.59
10) 12 1260-2	0.123	0.106	0.102	0.092	0.084	0.087	0.099	14.62
11) 12 1260-3	0.078	0.071	0.066	0.060	0.054	0.058	0.064	14.14
12) 12 1260-4	0.160	0.144	0.139	0.128	0.118	0.124	0.136	11.47
13) 12 1260-5	0.093	0.111	0.107	0.097	0.089	0.091	0.098	9.07
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.020	0.017	0.015	0.015	0.013	0.012	0.015	17.65
16) 13 1221-3	0.011	0.011	0.010	0.010	0.008	0.008	0.010	13.69
17) 13 1221-4	0.042	0.038	0.034	0.033	0.029	0.027	0.034	16.48
18) 14 1254-1	0.062	0.055	0.049	0.047	0.042	0.040	0.049	16.73
19) 14 1254-2	0.106	0.096	0.086	0.083	0.073	0.071	0.086	15.76
20) 14 1254-3	0.110	0.090	0.082	0.080	0.072	0.070	0.084	17.30
21) 14 1254-4	0.083	0.072	0.065	0.063	0.057	0.055	0.066	15.49
22) 14 1254-5	0.118	0.101	0.092	0.089	0.079	0.077	0.093	16.35
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.025	0.022	0.021	0.018	0.017	0.015	0.020	18.24
25) 16 1242-2	0.055	0.048	0.044	0.039	0.036	0.033	0.042	18.86
26) 16 1242-3	0.111	0.093	0.087	0.077	0.075	0.070	0.086	17.57
27) 16 1242-4	0.050	0.043	0.041	0.037	0.035	0.031	0.039	16.54
28) 16 1242-5	0.037	0.031	0.030	0.026	0.025	0.023	0.029	17.46
29) 19 1268-1	0.229	0.190	0.181	0.166	0.163	0.151	0.180	15.35
30) 19 1268-2	0.231	0.194	0.186	0.168	0.166	0.153	0.183	15.09
31) 19 1268-3	0.160	0.133	0.126	0.115	0.113	0.105	0.125	15.67
32) 19 1268-4	0.089	0.068	0.065	0.059	0.057	0.053	0.065	19.71
33) 19 1268-5	0.421	0.356	0.348	0.321	0.319	0.290	0.343	13.13
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.043	0.039	0.036	0.033	0.030	0.029	0.035	16.12
36) 17 1248-2	0.049	0.048	0.044	0.039	0.036	0.034	0.042	14.96



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.078	0.073	0.065	0.060	0.058	0.070	16.34
38) 17 1248-4	0.071	0.067	0.061	0.057	0.052	0.050	0.060	13.60
39) 17 1248-5	0.062	0.061	0.055	0.049	0.046	0.044	0.053	14.64
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.030	0.029	0.027	0.024	0.022	0.021	0.025	15.00
42) 15 1232-2	0.028	0.028	0.026	0.023	0.021	0.020	0.024	13.93
43) 15 1232-3	0.059	0.055	0.052	0.046	0.044	0.043	0.050	12.96
44) 15 1232-4	0.024	0.024	0.022	0.020	0.019	0.018	0.021	11.43
45) 15 1232-5	0.016	0.018	0.016	0.014	0.014	0.013	0.015	12.09
46) 18 1262-1	0.081	0.072	0.069	0.061	0.059	0.056	0.066	14.22
47) 18 1262-2	0.107	0.090	0.084	0.074	0.072	0.068	0.083	17.55
48) 18 1262-3	0.087	0.080	0.077	0.069	0.068	0.064	0.074	11.54
49) 18 1262-4	0.169	0.150	0.144	0.133	0.131	0.125	0.142	11.28
50) 18 1262-5	0.060	0.057	0.054	0.049	0.047	0.044	0.052	11.69



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.481	1.319	1.295	1.217	1.125	1.224	1.277	9.48
3) s Decachlorobip	1.275	1.122	1.094	1.019	0.936	1.017	1.077	10.84
4) 11 1016-1	0.028	0.025	0.025	0.022	0.020	0.021	0.023	13.02
5) 11 1016-2	0.056	0.057	0.056	0.048	0.043	0.045	0.051	11.93
6) 11 1016-3	0.116	0.106	0.108	0.098	0.089	0.096	0.102	9.45
7) 11 1016-4	0.046	0.044	0.045	0.039	0.034	0.036	0.041	11.95
8) 11 1016-5	0.036	0.036	0.035	0.032	0.028	0.030	0.033	10.17
9) 12 1260-1	0.075	0.071	0.070	0.065	0.059	0.063	0.067	9.23
10) 12 1260-2	0.090	0.082	0.082	0.076	0.069	0.074	0.079	9.36
11) 12 1260-3	0.075	0.074	0.072	0.066	0.061	0.065	0.069	8.28
12) 12 1260-4	0.167	0.150	0.147	0.138	0.128	0.139	0.145	9.27
13) 12 1260-5	0.113	0.106	0.104	0.097	0.088	0.095	0.101	8.80
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.016	0.014	0.014	0.012	0.011	0.014	11.49
16) 13 1221-3	0.009	0.010	0.009	0.009	0.008	0.007	0.009	11.04
17) 13 1221-4	0.034	0.035	0.032	0.033	0.029	0.027	0.031	10.09
18) 14 1254-1	0.064	0.056	0.053	0.052	0.047	0.045	0.053	12.85
19) 14 1254-2	0.071	0.066	0.062	0.060	0.054	0.051	0.061	12.28
20) 14 1254-3	0.103	0.088	0.081	0.082	0.074	0.072	0.083	13.26
21) 14 1254-4	0.074	0.065	0.060	0.060	0.054	0.052	0.061	12.82
22) 14 1254-5	0.116	0.099	0.091	0.092	0.082	0.079	0.093	14.34
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.021	0.019	0.017	0.016	0.015	0.018	12.72
25) 16 1242-2	0.048	0.044	0.042	0.039	0.035	0.033	0.040	13.60
26) 16 1242-3	0.098	0.087	0.083	0.076	0.072	0.069	0.081	13.09
27) 16 1242-4	0.031	0.029	0.028	0.026	0.024	0.023	0.027	11.68
28) 16 1242-5	0.032	0.031	0.029	0.026	0.024	0.023	0.028	13.65
29) 19 1268-1	0.223	0.199	0.188	0.180	0.173	0.166	0.188	10.92
30) 19 1268-2	0.221	0.216	0.191	0.181	0.175	0.167	0.192	11.50
31) 19 1268-3	0.155	0.135	0.129	0.123	0.119	0.114	0.129	11.34
32) 19 1268-4	0.076	0.071	0.067	0.063	0.059	0.057	0.065	10.84
33) 19 1268-5	0.427	0.373	0.365	0.355	0.344	0.324	0.365	9.61
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.034	0.032	0.029	0.029	0.033	12.92
36) 17 1248-2	0.047	0.044	0.041	0.038	0.036	0.034	0.040	12.71



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.056	0.052	0.049	0.045	0.044	0.051	10.97
38) 17 1248-4	0.061	0.063	0.058	0.054	0.051	0.050	0.056	9.27
39) 17 1248-5	0.069	0.070	0.064	0.060	0.057	0.056	0.063	9.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.027	0.025	0.023	0.021	0.021	0.024	13.92
42) 15 1232-2	0.030	0.026	0.026	0.023	0.022	0.021	0.024	13.66
43) 15 1232-3	0.052	0.051	0.048	0.044	0.042	0.041	0.046	10.00
44) 15 1232-4	0.015	0.015	0.015	0.014	0.014	0.013	0.014	7.89
45) 15 1232-5	0.016	0.015	0.015	0.014	0.014	0.013	0.014	8.16
46) 18 1262-1	0.060	0.060	0.058	0.053	0.053	0.050	0.055	7.71
47) 18 1262-2	0.090	0.087	0.082	0.075	0.074	0.071	0.080	9.98
48) 18 1262-3	0.082	0.080	0.080	0.072	0.072	0.068	0.076	7.32
49) 18 1262-4	0.160	0.150	0.149	0.138	0.138	0.132	0.144	6.99
50) 18 1262-5	0.058	0.059	0.054	0.050	0.048	0.047	0.053	10.11



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Instrument ID : PEST23 Calibration dates : 01/29/20 18:49 01/30/20 22:53	Lab Number : L2005946 Project Number : 277710568.0008.06 Ical Ref : ICAL16474
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Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.840	1.624	1.528	1.377	1.453	1.347	1.528	11.98
3) s Decachlorobiphenyl	1.781	1.325	1.193	1.042	1.073	0.983	*L	0.9974
4) 11 1016-1	0.036	0.031	0.030	0.026	0.026	0.023	0.029	16.24
5) 11 1016-2	0.082	0.069	0.065	0.055	0.055	0.049	0.062	19.00
6) 11 1016-3	0.149	0.129	0.121	0.107	0.110	0.100	0.119	15.01
7) 11 1016-4	0.061	0.057	0.054	0.046	0.048	0.043	0.052	13.27
8) 11 1016-5	0.068	0.058	0.056	0.049	0.050	0.044	0.054	15.63
9) 12 1260-1	0.102	0.082	0.076	0.066	0.067	0.061	0.076	19.85
10) 12 1260-2	0.154	0.126	0.116	0.101	0.103	0.093	0.115	19.31
11) 12 1260-3	0.090	0.078	0.073	0.064	0.065	0.059	0.072	15.91
12) 12 1260-4	0.200	0.162	0.150	0.135	0.141	0.131	0.153	16.62
13) 12 1260-5	0.104	0.088	0.082	0.072	0.074	0.068	0.082	16.17
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.023	0.018	0.017	0.015		0.019	15.21
16) 13 1221-2	0.010	0.014	0.011	0.010	0.010		0.011	17.65
17) 13 1221-3	0.047	0.053	0.043	0.037	0.034		0.043	18.02
18) 14 1254-1	0.074	0.078	0.060	0.051	0.048	0.041	*Q	0.9949
19) 14 1254-2	0.137	0.134	0.103	0.088	0.083	0.071	*Q	0.9953
20) 14 1254-3	0.121	0.125	0.097	0.085	0.081	0.070	*Q	0.9960
21) 14 1254-4	0.096	0.101	0.079	0.069	0.065	0.056	*Q	0.9960
22) 14 1254-5	0.140	0.139	0.109	0.095	0.090	0.078	*Q	0.9963
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.030	0.025	0.025	0.023	0.020	0.018	0.024	17.63
25) 16 1242-2	0.133	0.107	0.105	0.094	0.084	0.079	0.100	19.34
26) 16 1242-3	0.042	0.046	0.046	0.043	0.037	0.035	0.042	11.40
27) 16 1242-4	0.063	0.050	0.050	0.046	0.040	0.037	0.048	19.65
28) 16 1242-5	0.042	0.035	0.035	0.032	0.028	0.026	0.033	17.07
29) 19 1268-1	0.321	0.224	0.215	0.197	0.180	0.172	*L	0.9970
30) 19 1268-2	0.313	0.225	0.216	0.198	0.180	0.172	*L	0.9969
31) 19 1268-3	0.215	0.156	0.149	0.136	0.123	0.117	*L	0.9964
32) 19 1268-4	0.108	0.082	0.079	0.071	0.064	0.060	*L	0.9950
33) 19 1268-5	0.618	0.415	0.402	0.377	0.347	0.333	*L	0.9980
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.041	0.039	0.036	0.029	0.033	0.027	0.034	16.16
36) 17 1248-2	0.057	0.056	0.049	0.041	0.044	0.038	0.048	16.77



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.082	0.072	0.062	0.066	0.058	0.071	16.56
38) 17 1248-4	0.068	0.069	0.060	0.051	0.055	0.049	0.059	14.86
39) 17 1248-5	0.061	0.066	0.057	0.047	0.051	0.045	0.055	14.70
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.040	0.036	0.036	0.030	0.027	0.025	0.032	18.07
42) 15 1232-2	0.041	0.035	0.035	0.030	0.027	0.024	0.032	19.55
43) 15 1232-3	0.077	0.067	0.066	0.056	0.052	0.048	0.061	17.45
44) 15 1232-4	0.034	0.029	0.029	0.026	0.023	0.021	0.027	16.56
45) 15 1232-5	0.024	0.020	0.020	0.018	0.016	0.015	0.019	17.06
46) 18 1262-1	0.112	0.096	0.090	0.076	0.070		*L	0.9920
47) 18 1262-2	0.173	0.126	0.113	0.093	0.087		*L	0.9923
48) 18 1262-3	0.127	0.104	0.098	0.082	0.077		*L	0.9932
49) 18 1262-4	0.241	0.191	0.180	0.156	0.150		*L	0.9966
50) 18 1262-5	0.086	0.073	0.069	0.059	0.055		*L	0.9931



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2005946
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST23	Ical Ref	: ICAL16474
Calibration dates	: 01/29/20 18:49 01/30/20 22:53		

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.593	1.421	1.332	1.261	1.378	1.307	1.382	8.51
3) s Decachlorobip	1.681	1.312	1.188	1.080	1.145	1.076	1.247	18.42
4) 11 1016-1	0.031	0.028	0.027	0.024	0.025	0.022	0.026	11.60
5) 11 1016-2	0.072	0.064	0.059	0.053	0.055	0.050	0.059	13.55
6) 11 1016-3	0.138	0.118	0.114	0.104	0.111	0.103	0.115	11.12
7) 11 1016-4	0.055	0.047	0.045	0.041	0.043	0.039	0.045	12.58
8) 11 1016-5	0.045	0.038	0.038	0.035	0.036	0.033	0.038	11.16
9) 12 1260-1	0.099	0.079	0.076	0.068	0.071	0.066	0.077	15.38
10) 12 1260-2	0.117	0.095	0.088	0.080	0.084	0.079	0.091	15.45
11) 12 1260-3	0.096	0.080	0.076	0.069	0.073	0.068	0.077	13.68
12) 12 1260-4	0.193	0.162	0.153	0.142	0.154	0.147	0.158	11.41
13) 12 1260-5	0.137	0.116	0.111	0.101	0.107	0.101	0.112	12.25
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.021	0.016	0.015	0.014		0.017	16.92
16) 13 1221-2	0.013	0.013	0.011	0.010	0.009		0.011	15.13
17) 13 1221-3	0.047	0.048	0.039	0.035	0.033		0.040	17.44
18) 14 1254-1	0.074	0.079	0.063	0.056	0.054	0.050	*L	0.9924
19) 14 1254-2	0.092	0.094	0.072	0.064	0.062	0.057	*L	0.9920
20) 14 1254-3	0.114	0.120	0.096	0.085	0.084	0.079	*L	0.9945
21) 14 1254-4	0.087	0.092	0.072	0.065	0.064	0.060	*L	0.9940
22) 14 1254-5	0.124	0.132	0.105	0.094	0.092	0.086	*L	0.9940
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.027	0.022	0.023	0.021	0.019	0.017	0.022	16.41
25) 16 1242-2	0.063	0.051	0.051	0.048	0.042	0.039	0.049	17.68
26) 16 1242-3	0.123	0.095	0.096	0.090	0.082	0.079	0.094	16.48
27) 16 1242-4	0.042	0.033	0.033	0.033	0.028	0.026	0.033	16.88
28) 16 1242-5	0.039	0.032	0.033	0.031	0.028	0.026	0.031	13.91
29) 19 1268-1	0.301	0.217	0.218	0.205	0.193	0.190	*L	0.9992
30) 19 1268-2	0.287	0.215	0.217	0.203	0.190	0.187	*L	0.9989
31) 19 1268-3	0.200	0.149	0.147	0.138	0.129	0.127	*L	0.9989
32) 19 1268-4	0.110	0.077	0.077	0.073	0.066	0.064	*L	0.9978
33) 19 1268-5	0.589	0.413	0.413	0.403	0.382	0.382	*L	0.9997
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.032	0.029	0.031	0.028	0.033	13.55
36) 17 1248-2	0.050	0.048	0.043	0.037	0.040	0.035	0.042	13.89



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.061	0.059	0.053	0.045	0.049	0.044	0.052	13.69
38) 17 1248-4	0.065	0.064	0.058	0.050	0.056	0.050	0.057	11.36
39) 17 1248-5	0.072	0.072	0.064	0.056	0.061	0.056	0.063	11.30
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.039	0.033	0.032	0.028	0.026	0.024	0.030	18.61
42) 15 1232-2	0.039	0.034	0.034	0.029	0.027	0.025	0.031	17.27
43) 15 1232-3	0.071	0.059	0.060	0.053	0.050	0.047	0.057	15.18
44) 15 1232-4	0.023	0.020	0.019	0.017	0.016	0.015	0.018	15.25
45) 15 1232-5	0.021	0.019	0.018	0.017	0.016	0.015	0.017	13.01
46) 18 1262-1	0.090	0.077	0.074	0.064	0.060		0.073	16.26
47) 18 1262-2	0.127	0.106	0.102	0.088	0.085		0.102	16.62
48) 18 1262-3	0.121	0.101	0.097	0.085	0.081		0.097	16.30
49) 18 1262-4	0.219	0.185	0.178	0.159	0.156		0.179	14.09
50) 18 1262-5	0.079	0.068	0.068	0.058	0.056		0.066	14.02



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/11/20 09:36
Lab File ID : P2200211a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1339494-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	101	-.02
2,4,5,6-Tetrachloro-m-xylene	16	15.699	-	1.9	20	100	-.01
Decachlorobiphenyl	32	27.137	-	15.2	20	90	-.01
1016-1	250	261.259	-	-4.5	20	109	-.01
1016-2	250	253.435	-	-1.4	20	103	-.01
1016-3	250	246.139	-	1.5	20	106	-.01
1016-4	250	259.804	-	-3.9	20	106	-.01
1016-5	250	269.827	-	-7.9	20	109	-.01
1260-1	250	238.256	-	4.7	20	100	-.02
1260-2	250	246.638	-	1.3	20	102	-.02
1260-3	250	231.616	-	7.4	20	97	-.02
1260-4	250	239.619	-	4.2	20	100	-.02
1260-5	250	208.502	-	16.6	20	93	-.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/11/20 09:36
Lab File ID : P2200211a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1339494-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	89	-.01
2,4,5,6-Tetrachloro-m-xylene	16	16.179	-	-1.1	20	95	-.01
Decachlorobiphenyl #2	32	30.669	-	4.2	20	94	-.02
1016-1 #2	250	252.689	-	-1.1	20	96	-.02
1016-2 #2	250	260.969	-	-4.4	20	98	-.02
1016-3 #2	250	244.673	-	2.1	20	92	-.02
1016-4 #2	250	259.615	-	-3.8	20	95	-.02
1016-5 #2	250	254.21	-	-1.7	20	96	-.02
1260-1 #2	250	248.058	-	0.8	20	100	-.02
1260-2 #2	250	256.409	-	-2.6	20	101	-.02
1260-3 #2	250	248.357	-	0.7	20	97	-.02
1260-4 #2	250	249.488	-	0.2	20	96	-.02
1260-5 #2	250	230.687	-	7.7	20	94	-.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/11/20 09:49
Lab File ID : P2200211a-03	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1339494-2	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	98	-.01
2154_1br2nb	25	25	-	0	20	101	-.01
1221-2	250	289.791	-	-15.9	20	117	-.02
1221-3	250	303.226	-	-21.3*	20	122	-.02
1221-4	250	282.351	-	-12.9	20	114	-.02
1254-1	250	273.555	-	-9.4	20	110	-.03
1254-2	250	271.108	-	-8.4	20	109	-.03
1254-3	250	268.849	-	-7.5	20	108	-.03
1254-4	250	273.443	-	-9.4	20	110	-.03
1254-5	250	260.809	-	-4.3	20	105	-.03
4268_1br2nb	25	25	-	0	20	99	-.01
1248_1br2nb	25	25	-	0	20	102	-.01
3262_1br2nb	25	25	-	0	20	98	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/11/20 09:49
Lab File ID : P2200211a-03	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1339494-2	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	86	0
2154_1br2nb	25	25	-	0	20	88	0
1221-2	250	299.721	-	-19.9	20	105	-.02
1221-3	250	294.071	-	-17.6	20	103	-.02
1221-4	250	286.657	-	-14.7	20	101	-.02
1254-1	250	292.915	-	-17.2	20	103	-.02
1254-2	250	294.264	-	-17.7	20	103	-.02
1254-3	250	297.548	-	-19	20	105	-.02
1254-4	250	308.808	-	-23.5*	20	108	-.02
1254-5	250	283.377	-	-13.4	20	100	-.02
4268_1br2nb	25	25	-	0	20	86	0
1248_1br2nb	25	25	-	0	20	89	0
3262_1br2nb	25	25	-	0	20	86	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/11/20 10:03
Lab File ID : P2200211a-04	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1339494-3	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	103	-.01
2154_1br2nb	25	25	-	0	20	106	-.01
4268_1br2nb	25	25	-	0	20	104	-.01
1242-1	250	266.631	-	-6.7	20	111	0
1242-2	250	256.135	-	-2.5	20	106	-.01
1242-3	250	259.275	-	-3.7	20	107	-.01
1242-4	250	261.634	-	-4.7	20	108	-.01
1242-5	250	271.264	-	-8.5	20	112	-.01
1268-1	250	224.031	-	10.4	20	93	-.01
1268-2	250	214.498	-	14.2	20	89	-.01
1268-3	250	218.297	-	12.7	20	90	-.01
1268-4	250	227.713	-	8.9	20	94	-.01
1268-5	250	219.154	-	12.3	20	91	-.02
1248_1br2nb	25	25	-	0	20	107	-.01
3262_1br2nb	25	25	-	0	20	103	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/11/20 10:03
Lab File ID : P2200211a-04	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1339494-3	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	90	0
2154_1br2nb	25	25	-	0	20	92	0
4268_1br2nb	25	25	-	0	20	90	0
1242-1	250	262.4	-	-5	20	95	-.01
1242-2	250	251.993	-	-0.8	20	91	-.01
1242-3	250	259.982	-	-4	20	94	-.01
1242-4	250	257.497	-	-3	20	93	-.01
1242-5	250	255.847	-	-2.3	20	92	-.01
1268-1	250	257.804	-	-3.1	20	93	-.02
1268-2	250	280.2	-	-12.1	20	101	-.02
1268-3	250	275.838	-	-10.3	20	100	-.02
1268-4	250	257.144	-	-2.9	20	93	-.02
1268-5	250	267.476	-	-7	20	97	-.02
1248_1br2nb	25	25	-	0	20	93	0
3262_1br2nb	25	25	-	0	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/11/20 10:16
Lab File ID : P2200211a-05	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1339494-4	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	103	-.01
2154_1br2nb	25	25	-	0	20	106	-.01
4268_1br2nb	25	25	-	0	20	104	-.01
1242-1	250	266.631	-	-6.7	20	111	0
1242-2	250	256.135	-	-2.5	20	106	-.01
1242-3	250	259.275	-	-3.7	20	107	-.01
1242-4	250	261.634	-	-4.7	20	108	-.01
1242-5	250	271.264	-	-8.5	20	112	-.01
1268-1	250	224.031	-	10.4	20	93	-.01
1268-2	250	214.498	-	14.2	20	89	-.01
1268-3	250	218.297	-	12.7	20	90	-.01
1268-4	250	227.713	-	8.9	20	94	-.01
1268-5	250	219.154	-	12.3	20	91	-.02
1248_1br2nb	25	25	-	0	20	107	-.01
3262_1br2nb	25	25	-	0	20	103	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/11/20 10:16
Lab File ID : P2200211a-05	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1339494-4	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	90	0
2154_1br2nb	25	25	-	0	20	92	0
4268_1br2nb	25	25	-	0	20	90	0
1242-1	250	262.4	-	-5	20	95	-.01
1242-2	250	251.993	-	-0.8	20	91	-.01
1242-3	250	259.982	-	-4	20	94	-.01
1242-4	250	257.497	-	-3	20	93	-.01
1242-5	250	255.847	-	-2.3	20	92	-.01
1268-1	250	257.804	-	-3.1	20	93	-.02
1268-2	250	280.2	-	-12.1	20	101	-.02
1268-3	250	275.838	-	-10.3	20	100	-.02
1268-4	250	257.144	-	-2.9	20	93	-.02
1268-5	250	267.476	-	-7	20	97	-.02
1248_1br2nb	25	25	-	0	20	93	0
3262_1br2nb	25	25	-	0	20	90	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/12/20 10:05
Lab File ID : P2200212a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1339983-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	94	-.01
2,4,5,6-Tetrachloro-m-xylene	16	15.884	-	0.7	20	95	0
Decachlorobiphenyl	32	28.409	-	11.2	20	88	-.01
1016-1	250	264.812	-	-5.9	20	104	0
1016-2	250	256.124	-	-2.4	20	98	0
1016-3	250	245.194	-	1.9	20	99	-.01
1016-4	250	262.742	-	-5.1	20	101	-.01
1016-5	250	276.334	-	-10.5	20	105	-.01
1260-1	250	238.465	-	4.6	20	94	-.01
1260-2	250	247.015	-	1.2	20	96	-.01
1260-3	250	237.386	-	5	20	94	-.01
1260-4	250	243.718	-	2.5	20	96	-.01
1260-5	250	225.059	-	10	20	94	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/12/20 10:05
Lab File ID : P2200212a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1339983-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	85	0
2,4,5,6-Tetrachloro-m-xylen	16	16.124	-	-0.8	20	90	-.01
Decachlorobiphenyl #2	32	31.5	-	1.6	20	92	0
1016-1 #2	250	254.779	-	-1.9	20	92	-.01
1016-2 #2	250	265.258	-	-6.1	20	95	-.01
1016-3 #2	250	243.964	-	2.4	20	88	-.02
1016-4 #2	250	266.492	-	-6.6	20	92	-.02
1016-5 #2	250	252.569	-	-1	20	91	-.02
1260-1 #2	250	247.142	-	1.1	20	94	-.02
1260-2 #2	250	251.301	-	-0.5	20	94	-.02
1260-3 #2	250	249.972	-	0	20	93	-.02
1260-4 #2	250	249.902	-	0	20	92	-.02
1260-5 #2	250	234.549	-	6.2	20	91	-.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/13/20 14:56
Lab File ID : 23200213a-22	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1340369-2	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	82	0
2,4,5,6-Tetrachloro-m-xylene	160	157.637	-	1.5	15	89	0
Decachlorobiphenyl	320	351.318	-	-9.8	15	90	.02
1016-1	2500	2746.049	-	-9.8	15	98	0
1016-2	2500	2481.881	-	0.7	15	92	0
1016-3	2500	2458.837	-	1.6	15	90	.01
1016-4	2500	2391.965	-	4.3	15	88	.01
1016-5	2500	2546.12	-	-1.8	15	91	.02
1260-1	2500	2505.224	-	-0.2	15	94	.03
1260-2	2500	2423.46	-	3.1	15	91	.03
1260-3	2500	2422.598	-	3.1	15	89	.03
1260-4	2500	2464.883	-	1.4	15	92	.03
1260-5	2500	2450.865	-	2	15	90	.03

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/13/20 14:56
Lab File ID : 23200213a-22	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1340369-2	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	90	0
2,4,5,6-Tetrachloro-m-xylene	160	165.181	-	-3.2	15	101	0
Decachlorobiphenyl #2	320	267.733	-	16.3*	15	87	.01
1016-1 #2	2500	2690.205	-	-7.6	15	104	0
1016-2 #2	2500	2644.624	-	-5.8	15	105	0
1016-3 #2	2500	2593.979	-	-3.8	15	103	.01
1016-4 #2	2500	2625.039	-	-5	15	103	.02
1016-5 #2	2500	2607.158	-	-4.3	15	101	.02
1260-1 #2	2500	2529.99	-	-1.2	15	102	.02
1260-2 #2	2500	2493.493	-	0.3	15	101	.02
1260-3 #2	2500	2366.992	-	5.3	15	95	.02
1260-4 #2	2500	2371.516	-	5.1	15	95	.02
1260-5 #2	2500	2333.377	-	6.7	15	93	.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 02/14/20 09:56
Lab File ID : 13200214a-02	Init. Calib. Date(s) : 11/14/19 11/14/19
Sample No : WG1340825-1	Init. Calib. Times : 02:11 13:09
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	105	0
2,4,5,6-Tetrachloro-m-xylene	160	165.88	-	-3.7	20	103	0
Decachlorobiphenyl	320	249.724	-	22*	20	80	0
1016-1	2500	2270.654	-	9.2	20	96	0
1016-2	2500	2493.846	-	0.2	20	106	0
1016-3	2500	2558.843	-	-2.4	20	104	0
1016-4	2500	2452.357	-	1.9	20	103	0
1016-5	2500	2421.978	-	3.1	20	101	0
1260-1	2500	2357.738	-	5.7	20	98	0
1260-2	2500	2428.638	-	2.9	20	100	0
1260-3	2500	1903.087	-	23.9*	20	79	0
1260-4	2500	1808.097	-	27.7*	20	71	0
1260-5	2500	1949.54	-	22*	20	80	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 02/14/20 09:56
Lab File ID : 13200214a-02	Init. Calib. Date(s) : 11/14/19 11/14/19
Sample No : WG1340825-1	Init. Calib. Times : 02:11 13:09
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	144	0
2,4,5,6-Tetrachloro-m-xylene	160	176.942	-	-10.6	20	151	0
Decachlorobiphenyl #2	320	332.738	-	-4	20	148	0
1016-1 #2	2500	2518.822	-	-0.8	20	146	0
1016-2 #2	2500	2788.54	-	-11.5	20	162	0
1016-3 #2	2500	2856.129	-	-14.2	20	161	0
1016-4 #2	2500	2957.226	-	-18.3	20	163	0
1016-5 #2	2500	2891.802	-	-15.7	20	163	0
1260-1 #2	2500	3152.853	-	-26.1*	20	180	0
1260-2 #2	2500	2565.564	-	-2.6	20	145	0
1260-3 #2	2500	2604.191	-	-4.2	20	146	0
1260-4 #2	2500	2501.528	-	-0.1	20	138	0
1260-5 #2	2500	2398.684	-	4.1	20	134	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/14/20 16:41
Lab File ID : 23200214b-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1340958-1	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	97	0
2,4,5,6-Tetrachloro-m-xylene	160	132.347	-	17.3*	15	89	0
Decachlorobiphenyl	320	288.414	-	9.9	15	88	0
1016-1	2500	2183.014	-	12.7	15	93	0
1016-2	2500	2125.392	-	15	15	94	0
1016-3	2500	2159.039	-	13.6	15	94	0
1016-4	2500	2179.645	-	12.8	15	95	0
1016-5	2500	2186.438	-	12.5	15	93	0
1260-1	2500	2136.832	-	14.5	15	96	0
1260-2	2500	2144.665	-	14.2	15	96	0
1260-3	2500	2170.577	-	13.2	15	95	0
1260-4	2500	2166.919	-	13.3	15	96	0
1260-5	2500	2181.12	-	12.8	15	96	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/14/20 16:41
Lab File ID : 23200214b-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1340958-1	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	106	0
2,4,5,6-Tetrachloro-m-xylene	160	134.037	-	16.2*	15	98	0
Decachlorobiphenyl #2	320	245.892	-	23.2*	15	94	0
1016-1 #2	2500	2231.44	-	10.7	15	103	0
1016-2 #2	2500	2176.478	-	12.9	15	102	0
1016-3 #2	2500	2144.776	-	14.2	15	101	0
1016-4 #2	2500	2172.692	-	13.1	15	101	0
1016-5 #2	2500	2186.807	-	12.5	15	101	0
1260-1 #2	2500	2132.418	-	14.7	15	102	0
1260-2 #2	2500	2123.9	-	15	15	102	0
1260-3 #2	2500	2120.733	-	15.2*	15	101	0
1260-4 #2	2500	2088.558	-	16.5*	15	99	0
1260-5 #2	2500	2033.696	-	18.7*	15	96	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/14/20 18:20
Lab File ID : 19200214a-44	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1340785-3	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	68	0
2,4,5,6-Tetrachloro-m-xylene	160	155.659	-	2.7	20	69	0
Decachlorobiphenyl	320	248.076	-	22.5*	20	57	-.01
1016-1	2500	2391.737	-	4.3	20	69	-.01
1016-2	2500	2352.649	-	5.9	20	68	-.01
1016-3	2500	2374.484	-	5	20	69	-.01
1016-4	2500	2361.576	-	5.5	20	69	-.01
1016-5	2500	2410.263	-	3.6	20	68	-.01
1260-1	2500	2252.874	-	9.9	20	66	-.01
1260-2	2500	2268.784	-	9.2	20	66	-.01
1260-3	2500	2212.748	-	11.5	20	65	-.01
1260-4	2500	2259.278	-	9.6	20	65	-.01
1260-5	2500	2269.862	-	9.2	20	62	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/14/20 18:20
Lab File ID : 19200214a-44	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1340785-3	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	103	0
2,4,5,6-Tetrachloro-m-xylene	160	150.547	-	5.9	20	101	0
Decachlorobiphenyl #2	320	228.679	-	28.5*	20	77	-.01
1016-1 #2	2500	2377.868	-	4.9	20	102	0
1016-2 #2	2500	2347.935	-	6.1	20	103	0
1016-3 #2	2500	2389.364	-	4.4	20	102	0
1016-4 #2	2500	2335.232	-	6.6	20	101	0
1016-5 #2	2500	2324.604	-	7	20	98	-.01
1260-1 #2	2500	2134.444	-	14.6	20	91	-.01
1260-2 #2	2500	2193.934	-	12.2	20	94	-.01
1260-3 #2	2500	2147.354	-	14.1	20	92	-.01
1260-4 #2	2500	2107.307	-	15.7	20	91	-.01
1260-5 #2	2500	1953.096	-	21.9*	20	83	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005946
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279800-1	01/29/20 18:49
1242/1268 L2	R1279800-2	01/29/20 18:56
1242/1268 L3	R1279800-4	01/29/20 19:02
1242/1268 L4	R1279800-3	01/29/20 19:09
1242/1268 L5	R1279800-6	01/29/20 19:16
1242/1268 L6	R1279800-5	01/29/20 19:23
1232/1262 L1	R1279800-7	01/29/20 19:30
1232/1262 L2	R1279800-8	01/29/20 19:37
1232/1262 L3	R1279800-9	01/29/20 19:43
1232/1262 L4	R1279800-10	01/29/20 19:50
1232/1262 L5	R1279800-12	01/29/20 19:57
1232 L6	R1279800-11	01/29/20 20:04
1248 L1	R1279800-14	01/29/20 20:10
1248 L2	R1279800-13	01/29/20 20:17
1248 L3	R1279800-16	01/29/20 20:24
1248 L4	R1279800-15	01/29/20 20:31
1248 L5	R1279800-18	01/29/20 20:37
1248 L6	R1279800-17	01/29/20 20:44
1221/1254 L1	R1279800-19	01/29/20 20:51
1221/1254 L2	R1279800-20	01/29/20 20:58
1221/1254 L4	R1279800-22	01/29/20 21:11
1221/1254 L5	R1279800-23	01/29/20 21:18
1254 L6	R1279800-21	01/29/20 21:25
1016/1260 L1	R1279800-24	01/29/20 21:32
1016/1260 L2	R1279800-25	01/29/20 21:38
1016/1260 L3	R1279800-27	01/29/20 21:45
1016/1260 L4	R1279800-26	01/29/20 21:52
1016/1260 L5	R1279800-28	01/29/20 21:58
1016/1260 L6	R1279800-29	01/29/20 22:05
R1279800-30 ICV	R1279800-30	01/29/20 22:12
R1279800-31 ICV	R1279800-31	01/29/20 22:19
R1279800-33 ICV	R1279800-33	01/29/20 22:25
R1279800-32 ICV	R1279800-32	01/29/20 22:39
1221/1254 L3	R1279800-35	01/30/20 22:53
R1279800-34 ICV	R1279800-34	01/30/20 23:00
WG1340369-2 CCAL	WG1340369-2	02/13/20 14:56
WG1339677-1 BLANK	WG1339677-1	02/13/20 15:34
WG1339677-2 LCS	WG1339677-2	02/13/20 15:41
WG1339677-3 LCSD	WG1339677-3	02/13/20 15:48
E-179-0.5-1.0	L2005946-01	02/13/20 16:08
E-179-2.0-2.5	L2005946-02	02/13/20 16:15
E-162-0.5-1.0	L2005946-04	02/13/20 16:21



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005946
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
E-172-0.5-1.0	L2005946-06	02/13/20 16:28
E-172-2.0-2.5	L2005946-07	02/13/20 16:35
E-122-2.0-2.5	L2005946-09	02/13/20 16:49
WG1340958-1 CCAL	WG1340958-1	02/14/20 16:41
E-127-0.5-1.0	L2005946-11 D	02/14/20 19:53
E-127-2.0-2.5	L2005946-12 D	02/14/20 19:59
X-3-02102020	L2005946-13 D	02/14/20 20:06
E-139-0.5-1.0	L2005946-14 D	02/14/20 20:13
E-140-0.5-1.0	L2005946-15 D	02/14/20 20:20



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2005946
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1339494-1 CCAL	WG1339494-1	02/11/20 09:36
WG1339494-2 CCAL	WG1339494-2	02/11/20 09:49
WG1339494-3 CCAL	WG1339494-3	02/11/20 10:03
WG1339494-4 CCAL	WG1339494-4	02/11/20 10:16
WG1339313-1 BLANK	WG1339313-1	02/11/20 11:42
WG1339313-2 LCS	WG1339313-2	02/11/20 11:56
WG1339313-3 LCSD	WG1339313-3	02/11/20 12:09
WG1339983-1 CCAL	WG1339983-1	02/12/20 10:05
EB-3-021020	L2005946-16	02/12/20 15:18



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005946
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1258780-12	11/20/19 11:11
1242/1268 L2	R1258780-13	11/20/19 11:18
1242/1268 L3	R1258780-14	11/20/19 11:25
1242/1268 L4	R1258780-15	11/20/19 11:32
1242/1268 L5	R1258780-16	11/20/19 11:39
1242/1268 L6	R1258780-17	11/20/19 11:46
1232/1262 L1	R1258780-18	11/20/19 11:53
1232/1262 L2	R1258780-21	11/20/19 12:00
1232/1262 L3	R1258780-19	11/20/19 12:07
1232/1262 L4	R1258780-20	11/20/19 12:13
1232/1262 L5	R1258780-22	11/20/19 12:20
1232/1262 L6	R1258780-23	11/20/19 12:27
1221/1254 L1	R1258780-24	11/20/19 12:34
1221/1254 L2	R1258780-25	11/20/19 12:41
1221/1254 L3	R1258780-28	11/20/19 12:48
1221/1254 L4	R1258780-27	11/20/19 12:55
1221/1254 L5	R1258780-26	11/20/19 13:02
1221/1254 L6	R1258780-30	11/20/19 13:08
1016/1260 L1	R1258780-29	11/20/19 13:15
1016/1260 L2	R1258780-31	11/20/19 13:22
1016/1260 L3	R1258780-33	11/20/19 13:29
1016/1260 L4	R1258780-32	11/20/19 13:36
1016/1260 L5	R1258780-34	11/20/19 13:43
1016/1260 L6	R1258780-35	11/20/19 13:50
1248 L1	R1258780-1	11/20/19 13:57
1248 L2	R1258780-2	11/20/19 14:04
1248 L3	R1258780-3	11/20/19 14:11
1248 L4	R1258780-4	11/20/19 14:17
1248 L5	R1258780-5	11/20/19 14:24
1248 L6	R1258780-8	11/20/19 14:31
R1258780-7 ICV	R1258780-7	11/20/19 14:38
R1258780-6 ICV	R1258780-6	11/20/19 14:45
R1258780-10 ICV	R1258780-10	11/20/19 14:52
R1258780-9 ICV	R1258780-9	11/20/19 14:59
R1258780-11 ICV	R1258780-11	11/22/19 16:02
WG1340785-3 CCAL	WG1340785-3	02/14/20 18:20
E-122-0.5-1.0	L2005946-08	02/14/20 20:50



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2005946
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST13 **Initial Calib. Date(s)** : 11/14/19 11/14/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1254379-1	11/14/19 02:11
1242/1268 L2	R1254379-2	11/14/19 02:23
1242/1268 L3	R1254379-3	11/14/19 02:35
1242/1268 L4	R1254379-4	11/14/19 02:48
1242/1268 L5	R1254379-5	11/14/19 03:00
1242/1268 L6	R1254379-7	11/14/19 03:12
1332/1262 L1	R1254379-6	11/14/19 03:24
1332/1262 L2	R1254379-9	11/14/19 03:36
1332/1262 L3	R1254379-8	11/14/19 03:49
1332/1262 L4	R1254379-10	11/14/19 04:01
1332/1262 L5	R1254379-11	11/14/19 04:13
1332/1262 L6	R1254379-13	11/14/19 04:25
1248 L1	R1254379-12	11/14/19 04:37
1248 L2	R1254379-14	11/14/19 04:49
1248 L3	R1254379-15	11/14/19 05:01
1248 L4	R1254379-16	11/14/19 05:13
1248 L5	R1254379-17	11/14/19 05:26
1248 L6	R1254379-18	11/14/19 05:38
1221/1254 L1	R1254379-19	11/14/19 05:50
1221/1254 L2	R1254379-20	11/14/19 06:02
1221/1254 L3	R1254379-21	11/14/19 06:14
1221/1254 L4	R1254379-23	11/14/19 06:26
1221/1254 L5	R1254379-24	11/14/19 06:38
1221/1254 L6	R1254379-22	11/14/19 06:51
R1254379-25 ICV	R1254379-25	11/14/19 08:16
R1254379-27 ICV	R1254379-27	11/14/19 08:40
1016/1260 L1	R1254379-26	11/14/19 12:08
1016/1260 L2	R1254379-28	11/14/19 12:20
1016/1260 L3	R1254379-29	11/14/19 12:33
1016/1260 L4	R1254379-30	11/14/19 12:45
1016/1260 L5	R1254379-31	11/14/19 12:57
1016/1260 L6	R1254379-32	11/14/19 13:09
R1254379-34 ICV	R1254379-34	11/14/19 13:21
R1254379-33 ICV	R1254379-33	11/14/19 15:32
R1254379-35 ICV	R1254379-35	11/14/19 15:45
WG1340825-1 CCAL	WG1340825-1	02/14/20 09:56
WG1340551-1 BLANK	WG1340551-1	02/14/20 16:42
WG1340551-2 LCS	WG1340551-2	02/14/20 16:54
WG1340551-3 LCSD	WG1340551-3	02/14/20 17:06



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2005946
 Project Number: 277710568.0008.06
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-3-021020 (L2005946-16)	84	85	50	58			0
WG1339313-1BLANK	70	70	62	74			0
WG1339313-2LCS	86	84	76	88			0
WG1339313-3LCSD	83	79	72	84			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2005946
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-179-0.5-1.0 (L2005946-01)	57	64	64	51			0
E-179-2.0-2.5 (L2005946-02)	63	71	70	57			0
E-162-0.5-1.0 (L2005946-04)	59	67	62	48			0
E-172-0.5-1.0 (L2005946-06)	52	57	63	49			0
E-172-2.0-2.5 (L2005946-07)	65	74	76	62			0
E-122-0.5-1.0 (L2005946-08)	69	67	70	78			0
E-122-2.0-2.5 (L2005946-09)	51	56	60	48			0
E-127-0.5-1.0 (L2005946-11D)	0*	0*	0*	0*			4
E-127-2.0-2.5 (L2005946-12D)	52	53	57	53			0
X-3-02102020 (L2005946-13D)	0*	0*	0*	0*			4
E-139-0.5-1.0 (L2005946-14D)	0*	0*	0*	0*			4
E-140-0.5-1.0 (L2005946-15D)	0*	0*	0*	0*			4
WG1339677-1BLANK	73	82	91	69			0
WG1339677-2LCS	69	77	84	64			0
WG1339677-3LCSD	72	81	86	66			0
WG1340551-1BLANK	66	70	47	64			0
WG1340551-2LCS	68	72	45	60			0
WG1340551-3LCSD	73	78	50	65			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2005946
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : WATER
 LCS Sample ID : WG1339313-2 Analysis Date : 02/11/20 11:56 File ID : P2200211a-09
 LCSD Sample ID : WG1339313-3 Analysis Date : 02/11/20 12:09 File ID : P2200211a-10

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	1.27	71	1.78	1.53	86	19	40-140	20
Aroclor 1260	1.78	1.12	63	1.78	1.23	69	9	40-140	20



**Laboratory Control Sample Summary
Form 3
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2005946
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1339677-2 Analysis Date : 02/13/20 15:41 File ID : 23200213a-24
 LCSD Sample ID : WG1339677-3 Analysis Date : 02/13/20 15:48 File ID : 23200213a-25

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.198	0.174	88	0.198	0.186	94	7	40-140	30
Aroclor 1260	0.198	0.161	81	0.198	0.165	83	2	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2005946
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1340551-2 Analysis Date : 02/14/20 16:54 File ID : 13200214a-21
 LCSD Sample ID : WG1340551-3 Analysis Date : 02/14/20 17:06 File ID : 13200214a-22

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.199	0.124	62	0.199	0.139	70	12	40-140	30
Aroclor 1260	0.199	0.0873	44	0.199	0.0983	49	11	40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005946-01	
Client ID : E-179-0.5-1.0	
Date Analyzed (1) : 02/13/20 16:08	Date Analyzed (2) : 02/13/20 16:08
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.25	2.35	0.0374		
	2	2.39	2.36	2.46	0.0484		
COLUMN 1	3	2.68	2.66	2.76	0.0462		
	4	2.83	2.80	2.90	0.0523		
	5	2.96	2.94	3.04	0.0564	0.0481	
COLUMN 2	1	2.79	2.75	2.85	0.035		
	2	2.89	2.85	2.95	0.0466		
	3	3.26	3.23	3.33	0.0444		
	4	3.39	3.36	3.46	0.0483		
	5	3.59	3.55	3.65	0.0504	0.0449	7



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005946-04	
Client ID : E-162-0.5-1.0	
Date Analyzed (1) : 02/13/20 16:21	Date Analyzed (2) : 02/13/20 16:21
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.25	2.35	0.00627		
	2	2.39	2.36	2.46	0.00843		
COLUMN 1	3	2.68	2.66	2.76	0.00686		
	4	2.82	2.80	2.90	0.00866		
	5	2.96	2.94	3.04	0.00851	0.00774J	
COLUMN 2	1	2.79	2.75	2.85	0.00574		
	2	2.89	2.85	2.95	0.00768		
	3	3.26	3.23	3.33	0.00726		
	4	3.39	3.36	3.46	0.00755		
	5	3.59	3.55	3.65	0.00746	0.00714J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005946-06	
Client ID : E-172-0.5-1.0	
Date Analyzed (1) : 02/13/20 16:28	Date Analyzed (2) : 02/13/20 16:28
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.25	2.35	0.0549		
	2	2.39	2.36	2.46	0.0677		
COLUMN 1	3	2.68	2.66	2.76	0.0623		
	4	2.82	2.80	2.90	0.0676		
	5	2.96	2.94	3.04	0.0746	0.0654	
COLUMN 2	1	2.79	2.75	2.85	0.052		
	2	2.88	2.85	2.95	0.0644		
	3	3.26	3.23	3.33	0.062		
	4	3.39	3.36	3.46	0.0614		
	5	3.59	3.55	3.65	0.0637	0.0607	7



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005946-07	
Client ID : E-172-2.0-2.5	
Date Analyzed (1) : 02/13/20 16:35	Date Analyzed (2) : 02/13/20 16:35
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean	%RPD
			From	To		Concentration	
AROCOR 1260	1	2.27	2.25	2.35	0.0176		
	2	2.39	2.36	2.46	0.0213		
COLUMN 1	3	2.68	2.66	2.76	0.0183		
	4	2.83	2.80	2.90	0.0217		
	5	2.96	2.94	3.04	0.0227	0.0203J	
COLUMN 2	1	2.79	2.75	2.85	0.0151		
	2	2.89	2.85	2.95	0.0201		
	3	3.26	3.23	3.33	0.0185		
	4	3.39	3.36	3.46	0.0193		
	5	3.59	3.55	3.65	0.0194	0.0185J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005946-08	
Client ID : E-122-0.5-1.0	
Date Analyzed (1) : 02/14/20 20:50	Date Analyzed (2) : 02/14/20 20:50
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.59	2.52	2.62	0.583		
	2	2.73	2.66	2.76	0.729		
COLUMN 1	3	3.08	3.01	3.11	0.724		
	4	3.25	3.18	3.28	0.73		
	5	3.41	3.33	3.43	0.781	0.709	
COLUMN 2	1	2.97	2.91	3.01	0.56		
	2	3.08	3.02	3.12	0.744		
	3	3.50	3.44	3.54	0.554		
	4	3.64	3.58	3.68	0.697		
	5	3.85	3.79	3.89	0.708	0.653	8



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005946-09	
Client ID : E-122-2.0-2.5	
Date Analyzed (1) : 02/13/20 16:49	Date Analyzed (2) : 02/13/20 16:49
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.25	2.35	0.0808		
	2	2.39	2.36	2.46	0.097		
COLUMN 1	3	2.68	2.66	2.76	0.0926		
	4	2.83	2.80	2.90	0.105		
	5	2.97	2.94	3.04	0.11	0.097	
COLUMN 2	1	2.79	2.75	2.85	0.073		
	2	2.89	2.85	2.95	0.0961		
	3	3.26	3.23	3.33	0.101		
	4	3.39	3.36	3.46	0.1		
	5	3.59	3.55	3.65	0.1	0.0942	3



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005946-11D	
Client ID : E-127-0.5-1.0	
Date Analyzed (1) : 02/14/20 19:53	Date Analyzed (2) : 02/14/20 19:53
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	4.9		
	2	2.39	2.34	2.44	6.14		
COLUMN 1	3	2.68	2.63	2.73	5.93		
	4	2.83	2.78	2.88	6.71		
	5	2.96	2.92	3.02	7.05	6.14	
COLUMN 2	1	2.79	2.74	2.84	4.89		
	2	2.89	2.84	2.94	6.4		
	3	3.26	3.22	3.32	6.46		
	4	3.39	3.34	3.44	6.78		
	5	3.59	3.54	3.64	6.81	6.27	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005946-12D	
Client ID : E-127-2.0-2.5	
Date Analyzed (1) : 02/14/20 19:59	Date Analyzed (2) : 02/14/20 19:59
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	1.75		
	2	2.39	2.34	2.44	2.11		
COLUMN 1	3	2.68	2.63	2.73	2.06		
	4	2.83	2.78	2.88	2.38		
	5	2.96	2.92	3.02	2.44	2.15	
COLUMN 2	1	2.79	2.74	2.84	1.76		
	2	2.89	2.84	2.94	2.24		
	3	3.26	3.22	3.32	2.24		
	4	3.39	3.34	3.44	2.38		
	5	3.59	3.54	3.64	2.36	2.2	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005946-13D	
Client ID : X-3-02102020	
Date Analyzed (1) : 02/14/20 20:06	Date Analyzed (2) : 02/14/20 20:06
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	4.45		
	2	2.39	2.34	2.44	5.53		
COLUMN 1	3	2.68	2.63	2.73	5.42		
	4	2.83	2.78	2.88	6.1		
	5	2.96	2.92	3.02	6.42	5.58	
COLUMN 2	1	2.79	2.74	2.84	4.43		
	2	2.89	2.84	2.94	5.76		
	3	3.26	3.22	3.32	5.84		
	4	3.39	3.34	3.44	6.1		
	5	3.59	3.54	3.64	6.12	5.65	1



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005946-14D	
Client ID : E-139-0.5-1.0	
Date Analyzed (1) : 02/14/20 20:13	Date Analyzed (2) : 02/14/20 20:13
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.27	2.22	2.32	55.5			
	2	2.39	2.34	2.44	65.			
	COLUMN 1	3	2.68	2.63	2.73	62.4		
		4	2.83	2.78	2.88	66.		
		5	2.96	2.92	3.02	72.6	64.3	
COLUMN 2	1	2.79	2.74	2.84	52.5			
	2	2.89	2.84	2.94	63.8			
	3	3.26	3.22	3.32	64.3			
	4	3.39	3.34	3.44	64.4			
	5	3.59	3.54	3.64	67.5	62.5	3	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2005946-15D	
Client ID : E-140-0.5-1.0	
Date Analyzed (1) : 02/14/20 20:20	Date Analyzed (2) : 02/14/20 20:20
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.27	2.22	2.32	108.			
	2	2.39	2.34	2.44	124.			
	COLUMN 1	3	2.68	2.63	2.73	115.		
		4	2.83	2.78	2.88	122.		
		5	2.97	2.92	3.02	133.	120	
COLUMN 2	1	2.79	2.74	2.84	104.			
	2	2.89	2.84	2.94	122.			
	3	3.26	3.22	3.32	119.			
	4	3.39	3.34	3.44	119.			
	5	3.59	3.54	3.64	123.	117.	2	



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:50 pm
 Operator : pest19:cw
 Sample : L2005946-08,42e,,re
 Misc : wgl1340785,wgl1340551,ical16321
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 14:48:07 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.996	1.034	25630718	36218480	250.000	250.000
Standard Area 1 : #1 = 28172183					Recovery =	90.98%
Standard Area 1 : #2 = 39177472					Recovery =	92.45%
14) i 2154_1br2nb	0.996	1.034	25630718	36218480	250.000	250.000
23) i 4268_1br2nb	0.996	1.034	25630718	36218480	250.000	250.000
34) i 1248_1br2nb	0.996	1.034	25630718	36218480	250.000	250.000
40) i 3262_1br2nb	0.996	1.034	25630718	36218480	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.256	1.381	46105863	62383425	344.706M4	337.234M4
Spiked Amount	500.000	Range	30 - 150	Recovery =	68.94%	67.45%
3) s Decachlorobi	4.027	4.531	37685716	61047983	351.249M3	391.250M3
Spiked Amount	500.000	Range	30 - 150	Recovery =	70.25%	78.25%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.589	2.966	46908313	64987784	6944.122M3	6670.250M3
10) l2 1260-2	2.734	3.081	88197217	101.3E6	8683.433M3	8860.251M3
11) l2 1260-3	3.078	3.499	57021739	65808515	8627.084M3	6603.884M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:50 pm
 Operator : pest19:cw
 Sample : L2005946-08,42e,,re
 Misc : wg1340785,wg1340551,ical16321
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 14:48:07 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12) 12	1260-4	3.249	3.642	120.8E6	174.1E6	8693.659M3	8302.627M3
13) 12	1260-5	3.407	3.854	93469170	122.9E6	9307.237M2	8438.338M3
	Sum 1260-1			406.4E6	529.1E6	42255.535	38875.351
	Average 1260-1					8451.107	7775.070
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D.
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:50 pm
 Operator : pest19:cw
 Sample : L2005946-08,42e,,re
 Misc : wgl1340785,wgl1340551,ical16321
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 14:48:07 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:50 pm
 Operator : pest19:cw
 Sample : L2005946-08,42e,,re
 Misc : wgl1340785,wgl1340551,ical16321
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 14:48:07 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

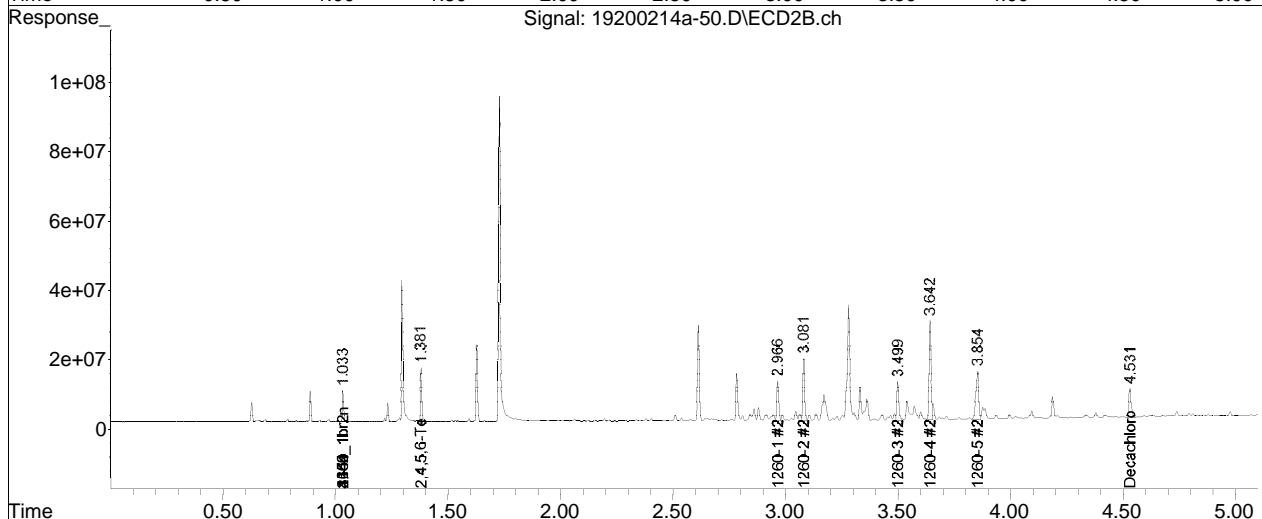
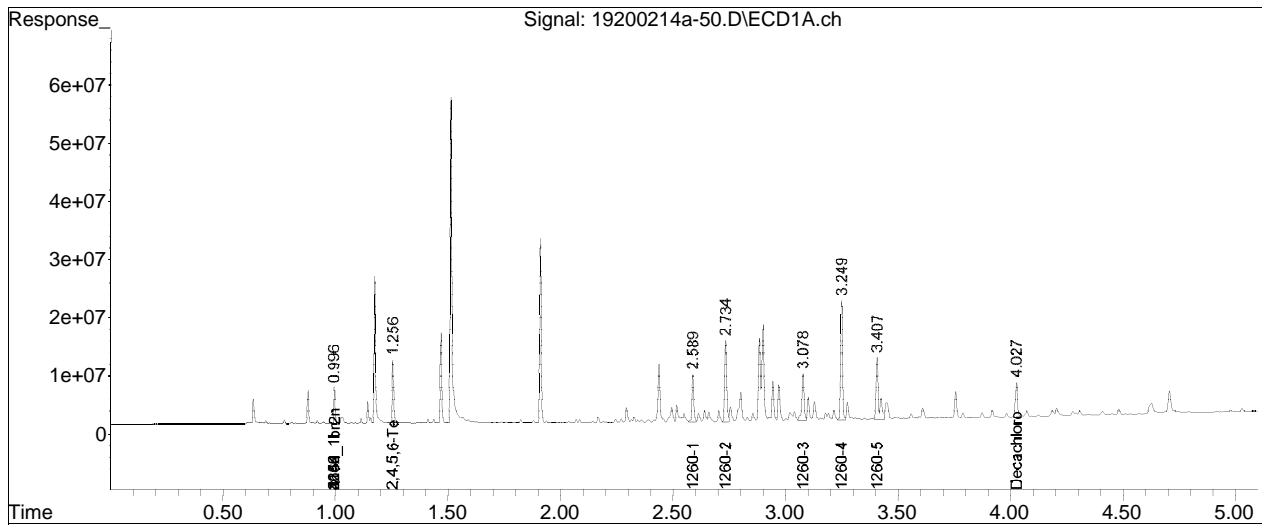
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 08:50 pm
Operator : pest19:cw
Sample : L2005946-08,42e,,re
Misc : wg1340785,wg1340551,ical16321
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 14:48:07 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sat Feb 01 09:36:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

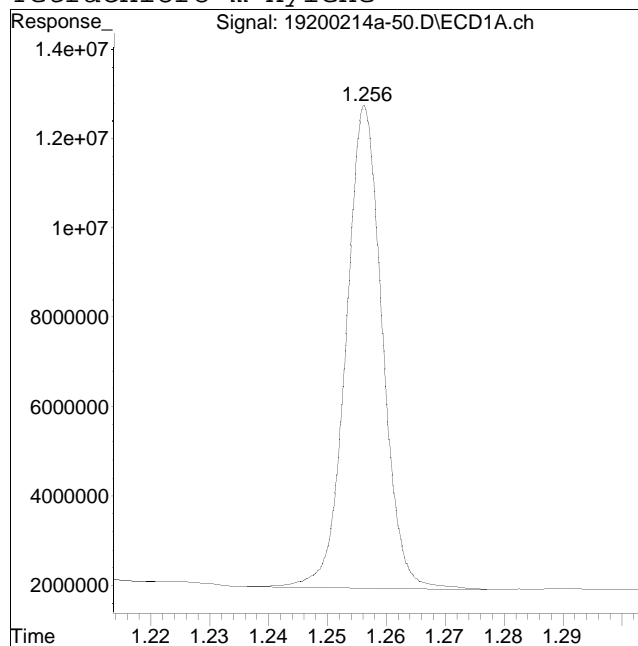
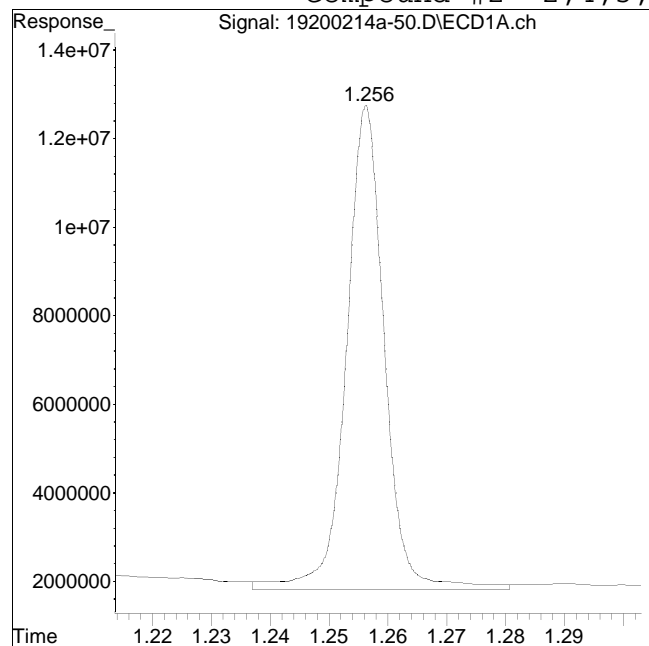


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 49299785

Manual Peak Response = 46105863 M4

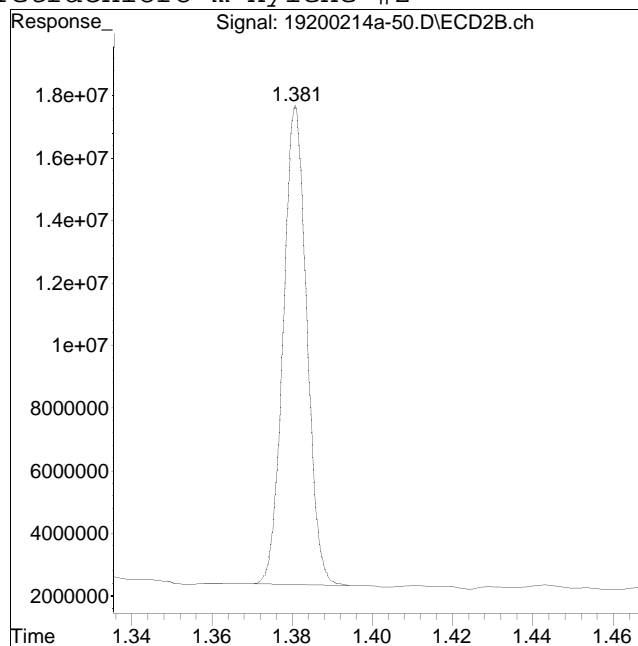
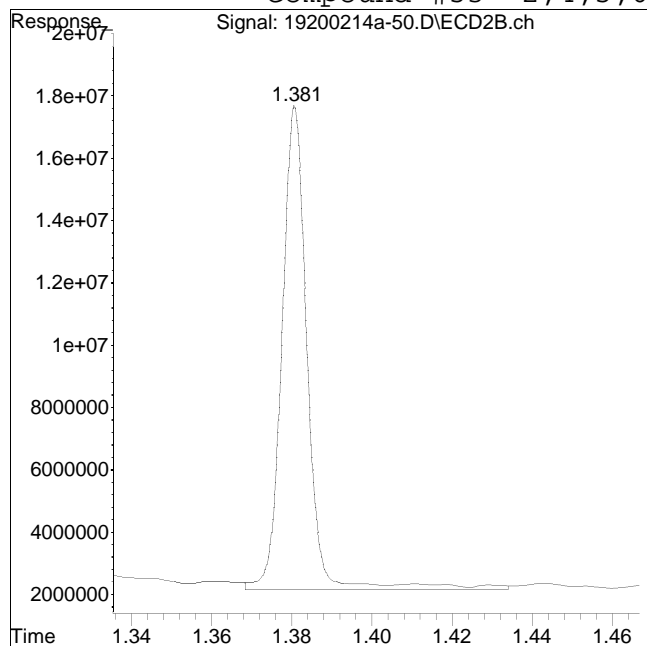
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 68603141

Manual Peak Response = 62383425 M4

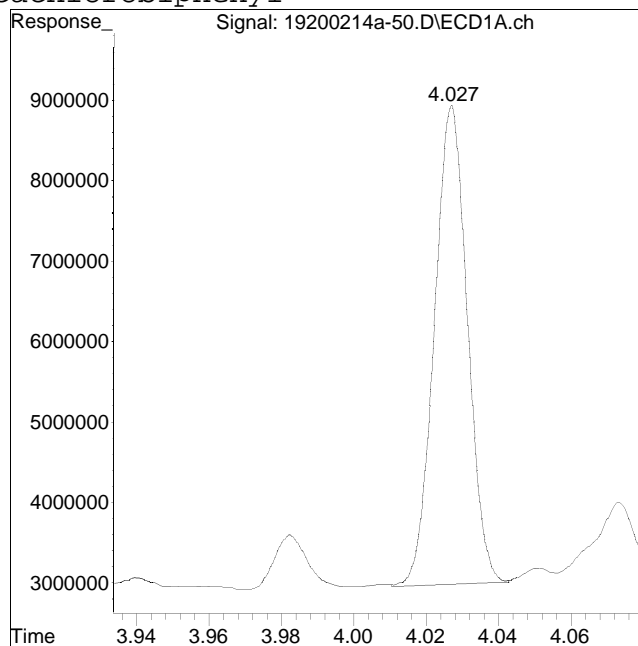
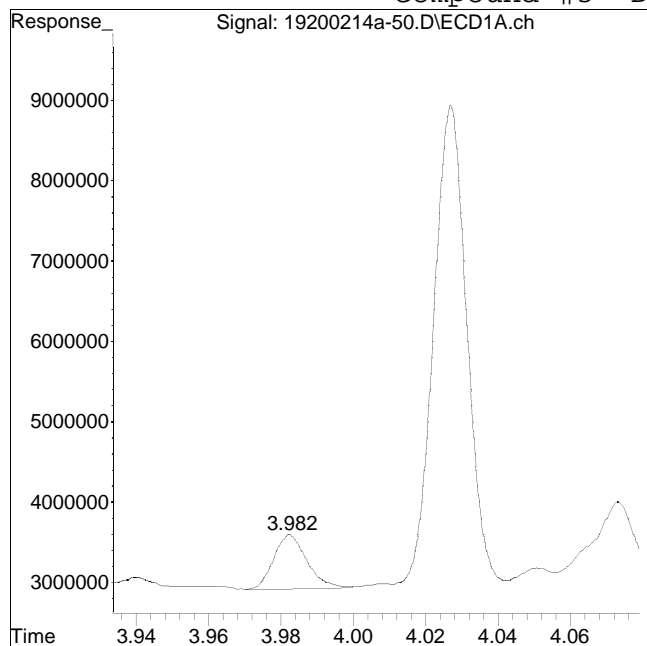
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 4318824

Manual Peak Response = 37685716 M3

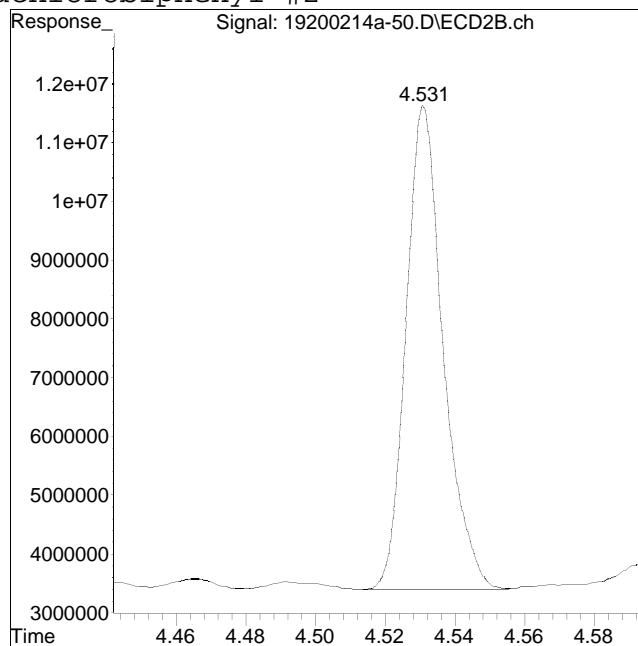
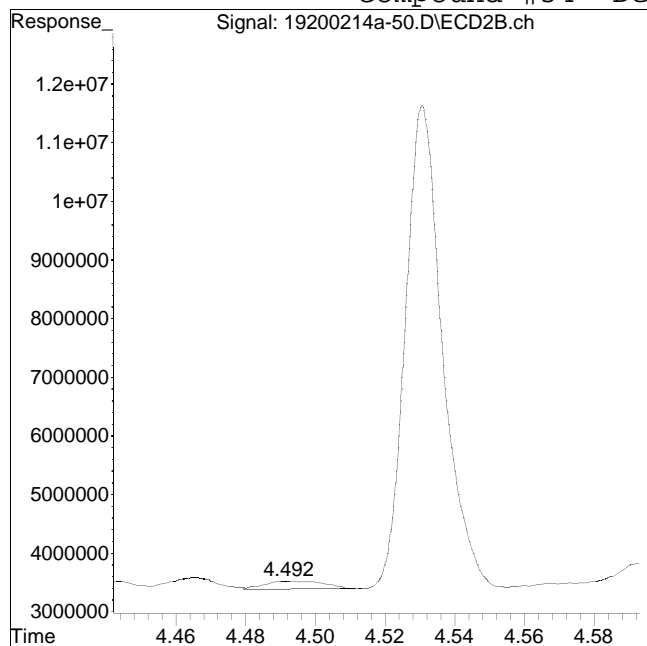
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1639353

Manual Peak Response = 61047983 M3

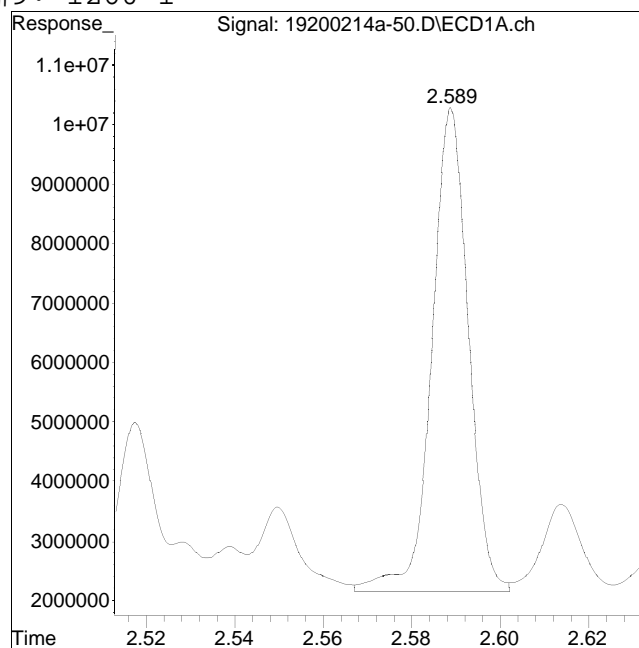
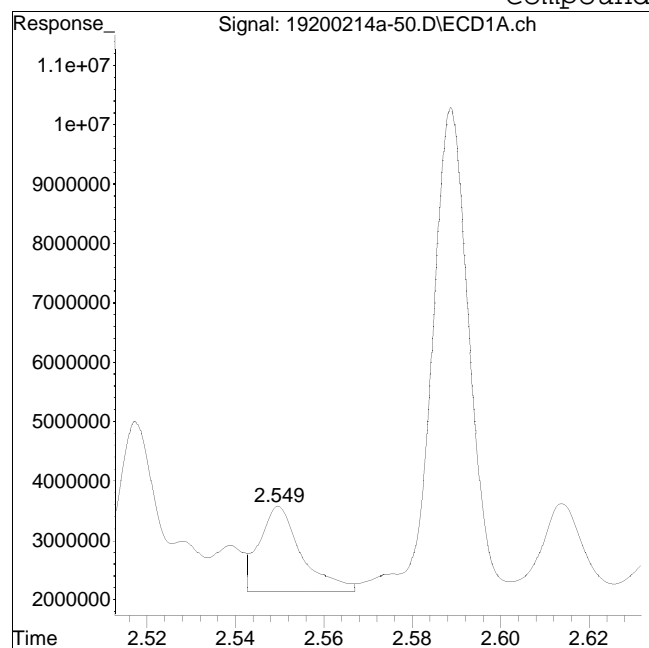
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #9: 1260-1



Original Peak Response = 9795069

Manual Peak Response = 46908313 M3

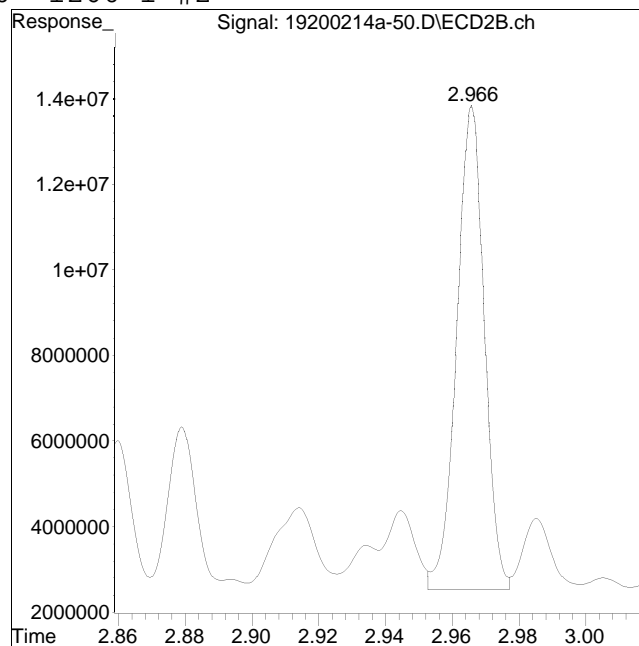
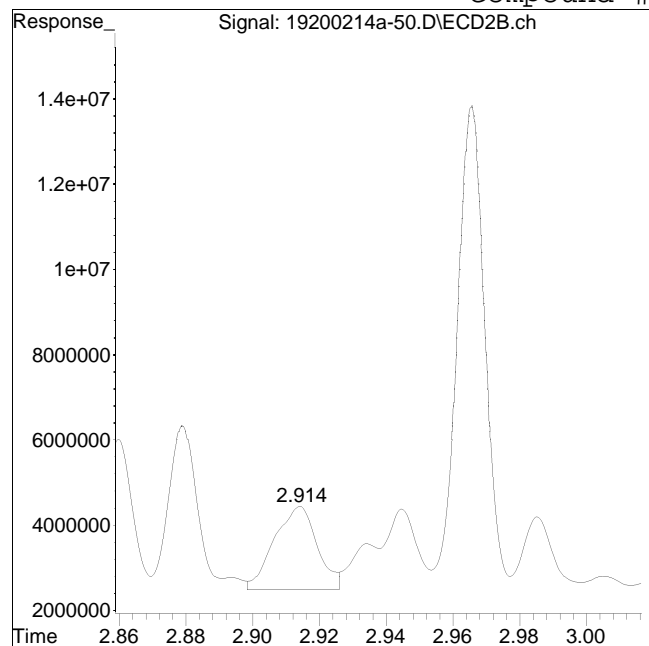
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #60: 1260-1 #2



Original Peak Response = 17352973

Manual Peak Response = 64987784 M3

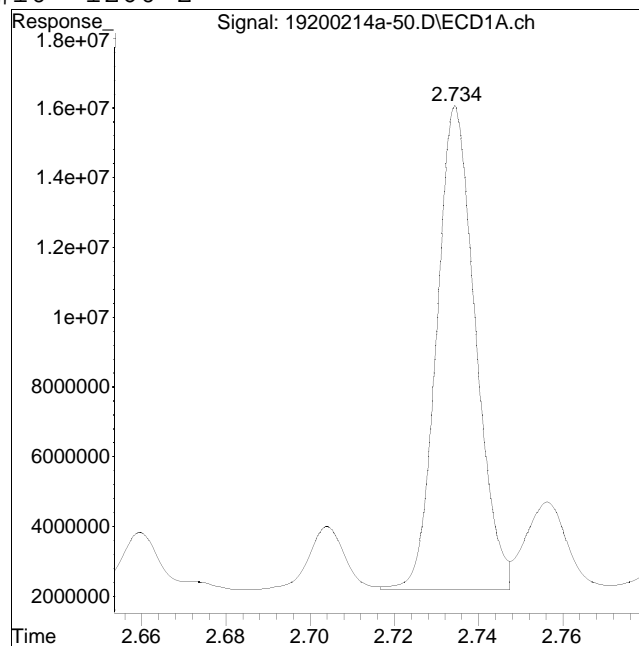
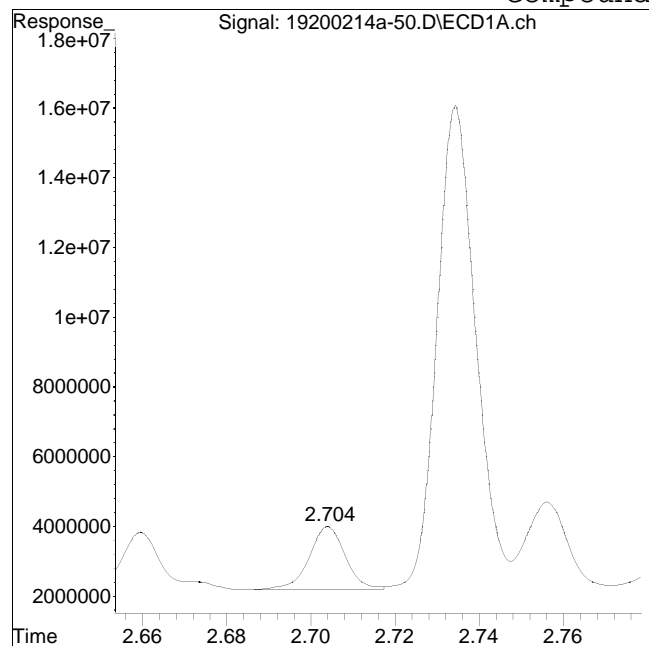
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #10: 1260-2



Original Peak Response = 10701635

Manual Peak Response = 88197217 M3

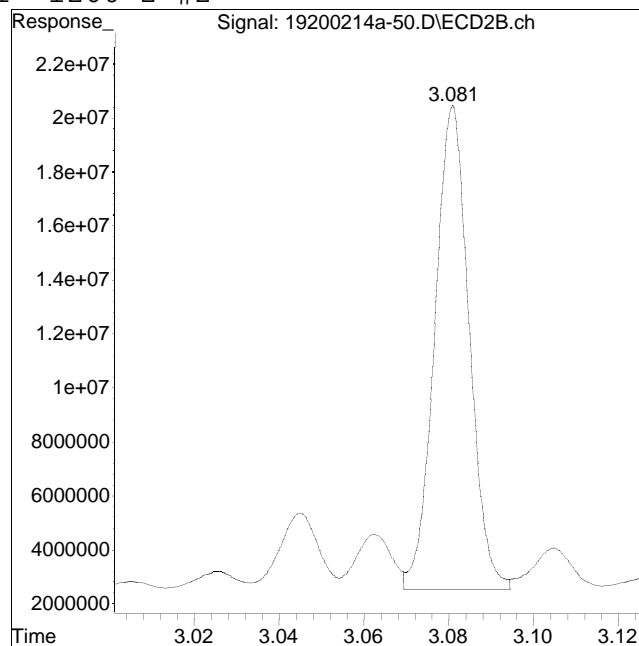
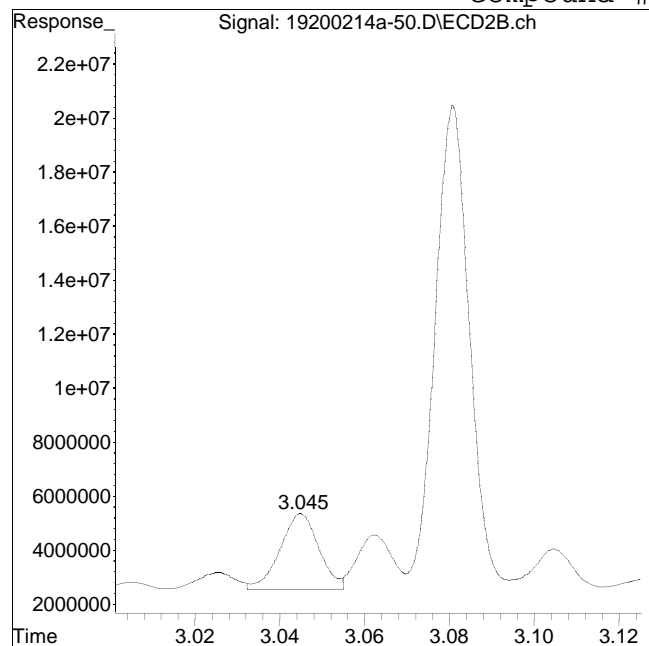
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #61: 1260-2 #2



Original Peak Response = 18013043

Manual Peak Response = 101298251 M3

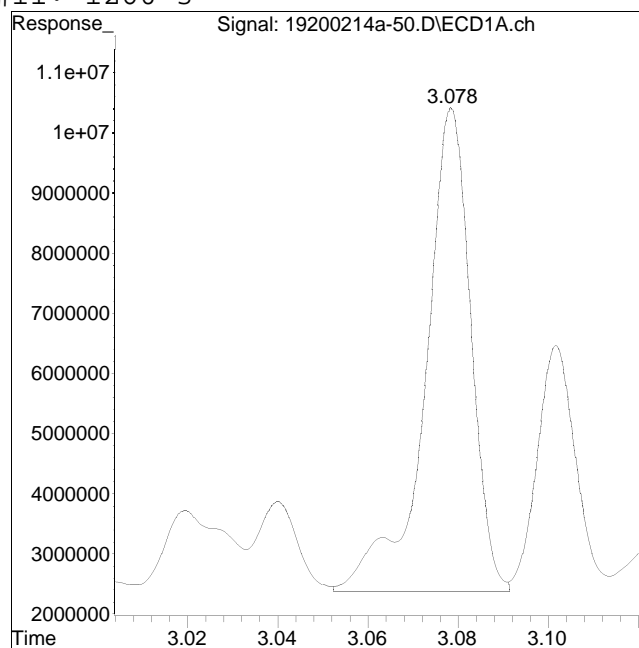
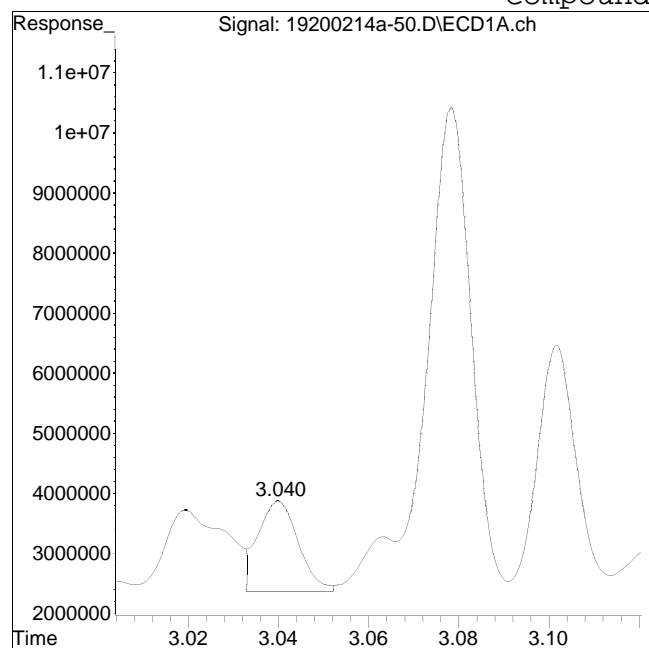
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #11: 1260-3



Original Peak Response = 9607669

Manual Peak Response = 57021739 M3

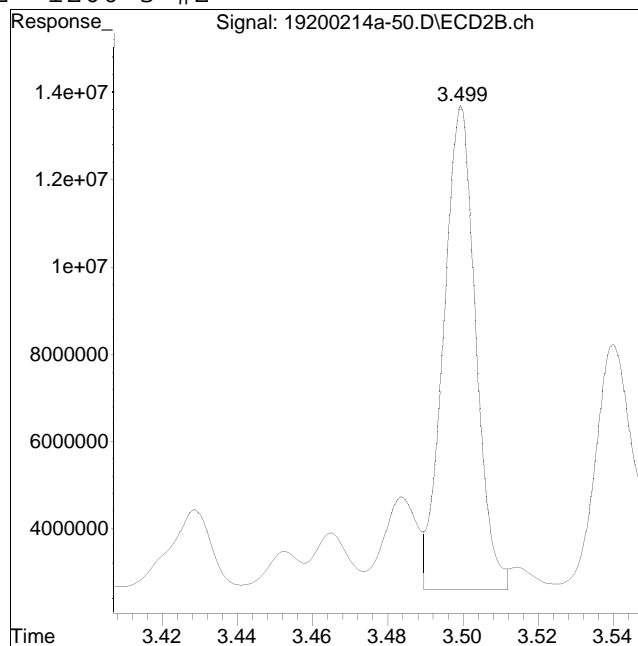
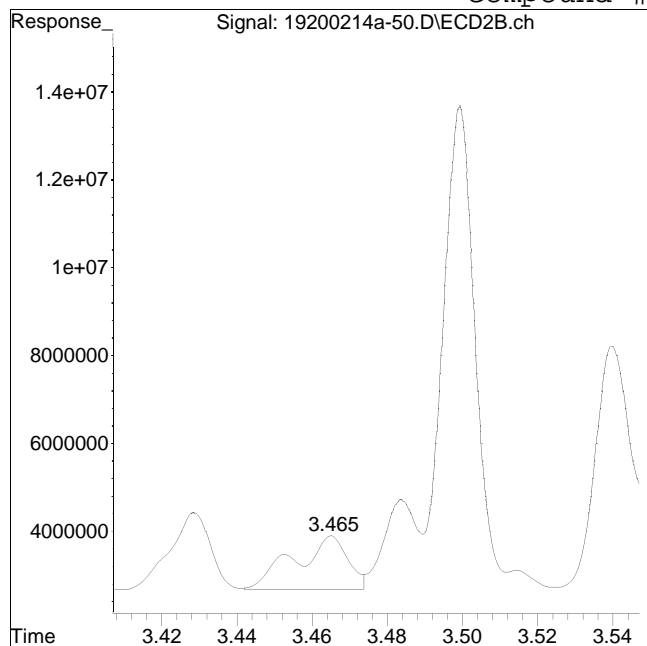
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #62: 1260-3 #2



Original Peak Response = 11815383

Manual Peak Response = 65808515 M3

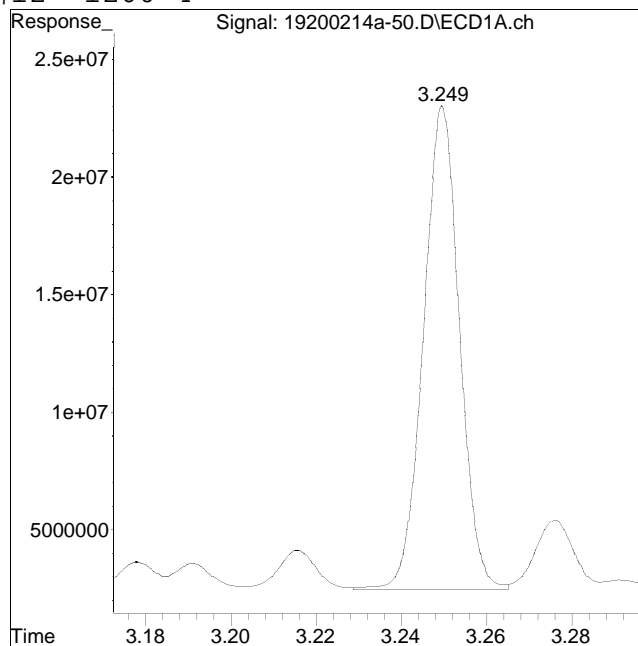
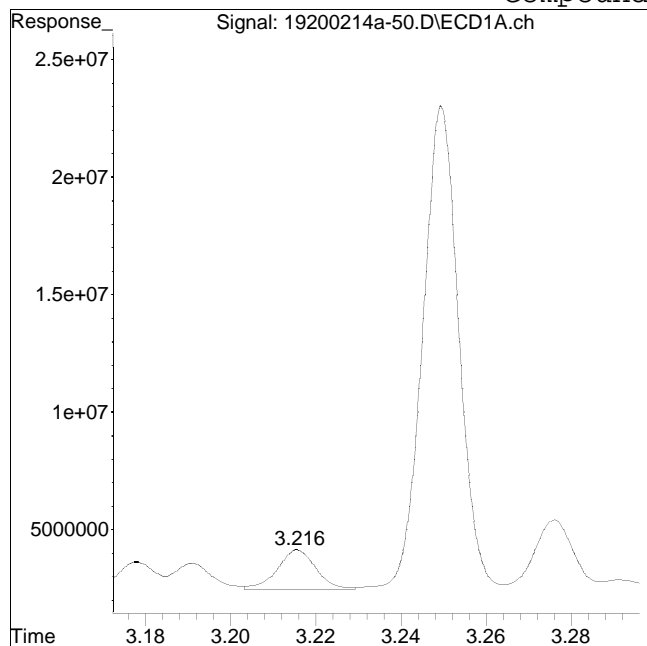
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #12: 1260-4



Original Peak Response = 10676747

Manual Peak Response = 120825994 M3

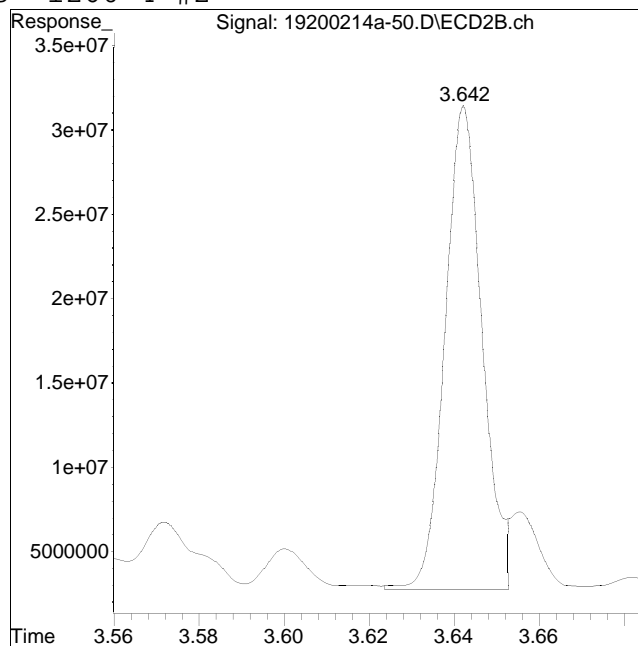
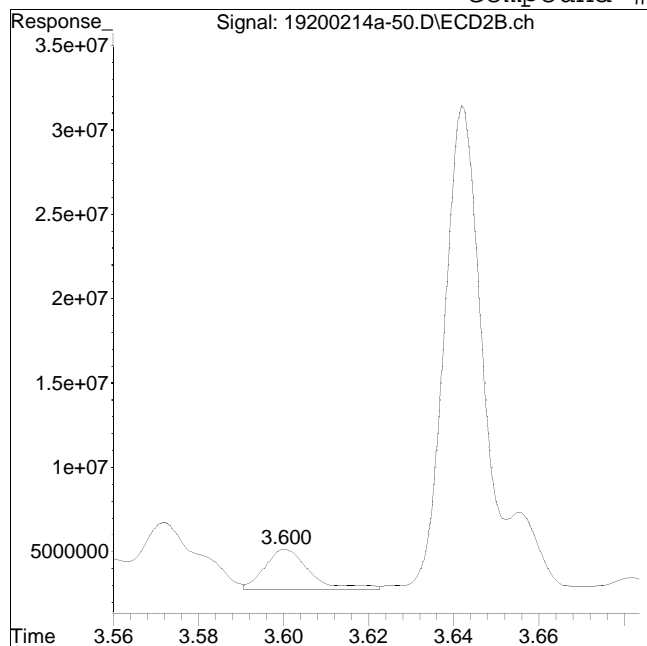
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #63: 1260-4 #2



Original Peak Response = 17547640

Manual Peak Response = 174108071 M3

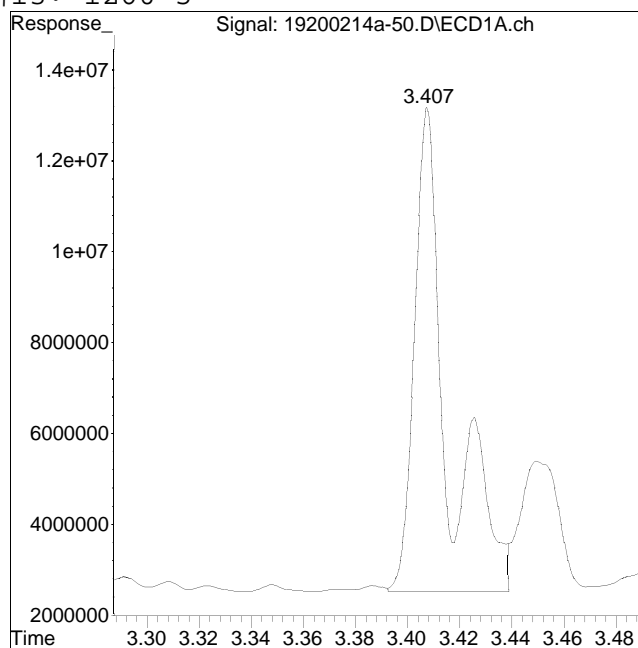
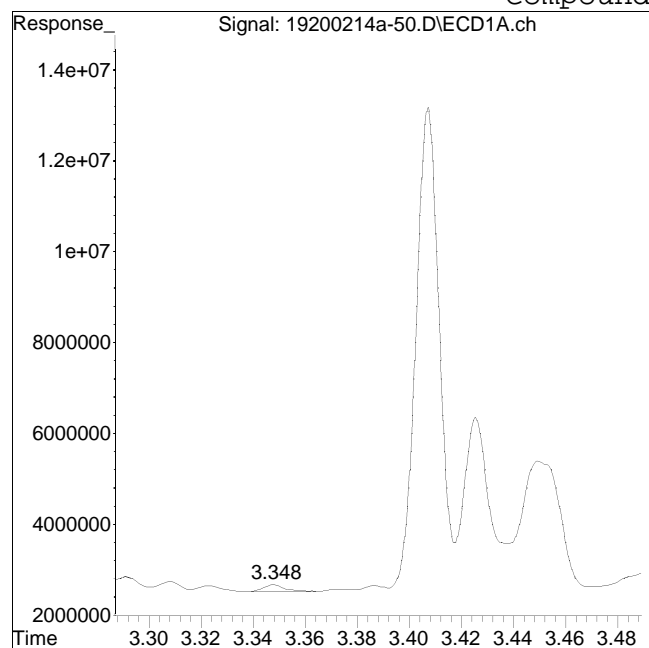
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #13: 1260-5



Original Peak Response = 914192

Manual Peak Response = 93469170 M2

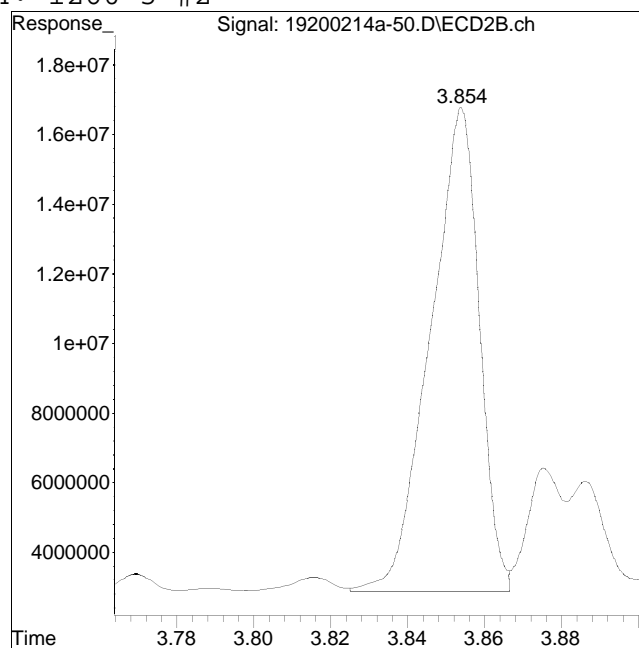
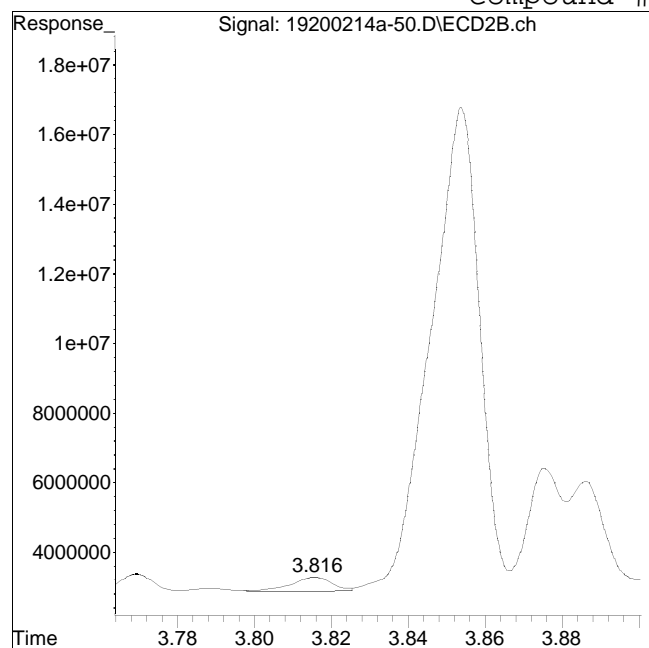
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-50.D
Date Inj'd : 2/14/2020 8:50 pm
Sample : L2005946-08,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/16/2020 2:45 pm

Compound #64: 1260-5 #2



Original Peak Response = 3062257

Manual Peak Response = 122925470 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200212A\
 Data File : P2200212a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 Feb 2020 3:18 pm
 Operator : pest2:cw
 Sample : l2005946-16,42e,,
 Misc : wgl1339983,wgl1339313,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 14:56:01 2020
 Quant Method : I:\Pest2\200212A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200212A\P2200212a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.094	2.284	94393423	68854350	25.000M4	25.000
Standard Area 1 : #1 = 74180448					Recovery = 127.25%	
Standard Area 1 : #2 = 56083908					Recovery = 122.77%	
14) i 2154_1br2nb	2.094	2.284	94393423	68854350	25.000M4	25.000
23) i 4268_1br2nb	2.094	2.284	94393423	68854350	25.000M4	25.000
34) i 1248_1br2nb	2.094	2.284	94393423	68854350	25.000M4	25.000
40) i 3262_1br2nb	2.094	2.284	94393423	68854350	25.000M4	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.574	2.926	65196594	49437076	16.834	17.040
Spiked Amount 20.000	Range 30 - 150				Recovery = 84.17%	85.20%
3) s Decachlorobi	6.572	7.267	37043722	26202319	9.963M4	11.553M4
Spiked Amount 20.000	Range 30 - 150				Recovery = 49.81%	57.77%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200212A\
 Data File : P2200212a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 Feb 2020 3:18 pm
 Operator : pest2:cw
 Sample : 12005946-16,42e,,
 Misc : wgl1339983,wgl1339313,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 14:56:01 2020
 Quant Method : I:\Pest2\200212A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200212A\P2200212a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D.	N.D.
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200212A\
 Data File : P2200212a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 Feb 2020 3:18 pm
 Operator : pest2:cw
 Sample : 12005946-16,42e,,
 Misc : wgl1339983,wgl1339313,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 14:56:01 2020
 Quant Method : I:\Pest2\200212A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200212A\P2200212a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.	
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.	
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.	
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D.	N.D.	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.	
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.	
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.	
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.	
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.	
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200212A\
 Data File : P2200212a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 Feb 2020 3:18 pm
 Operator : pest2:cw
 Sample : l2005946-16,42e,,
 Misc : wg1339983,wg1339313,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 14:56:01 2020
 Quant Method : I:\Pest2\200212A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200212A\P2200212a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

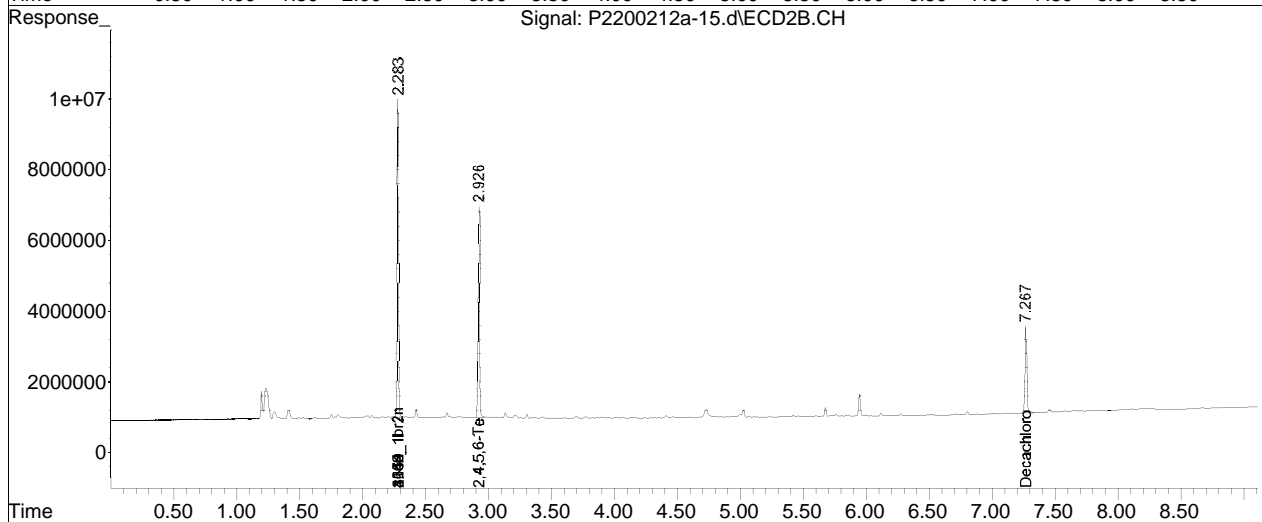
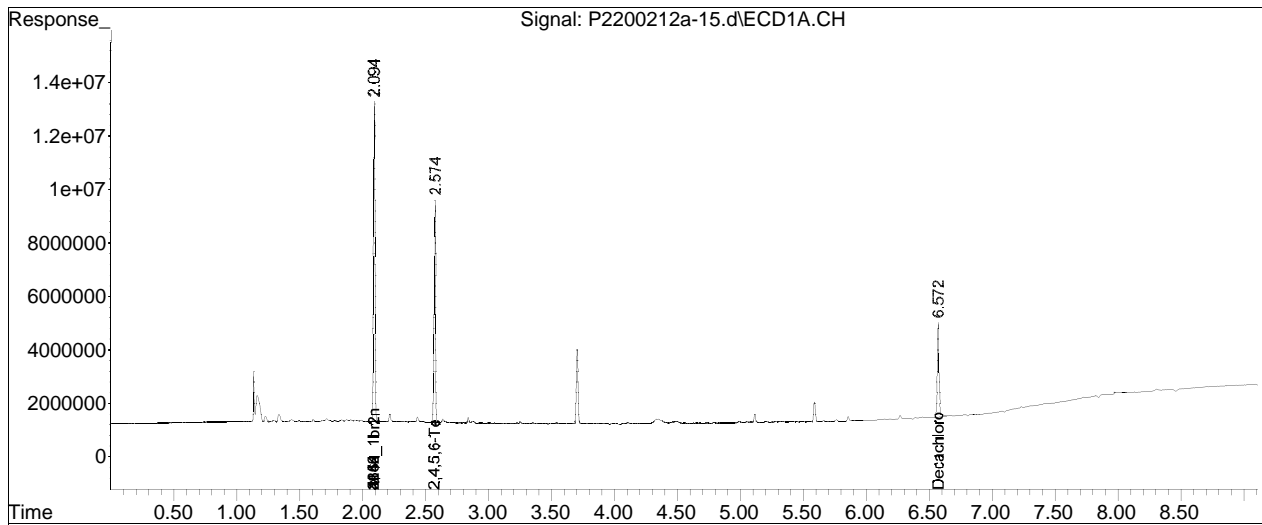
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200212A\
Data File : P2200212a-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Feb 2020 3:18 pm
Operator : pest2:cw
Sample : 12005946-16,42e,,
Misc : wg1339983,wg1339313,ical16010
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 14:56:01 2020
Quant Method : I:\Pest2\200212A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Mon Feb 03 12:53:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

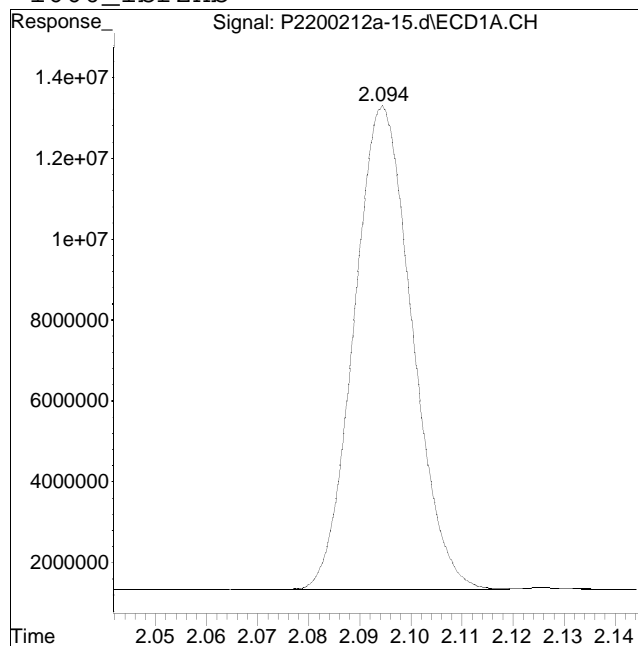
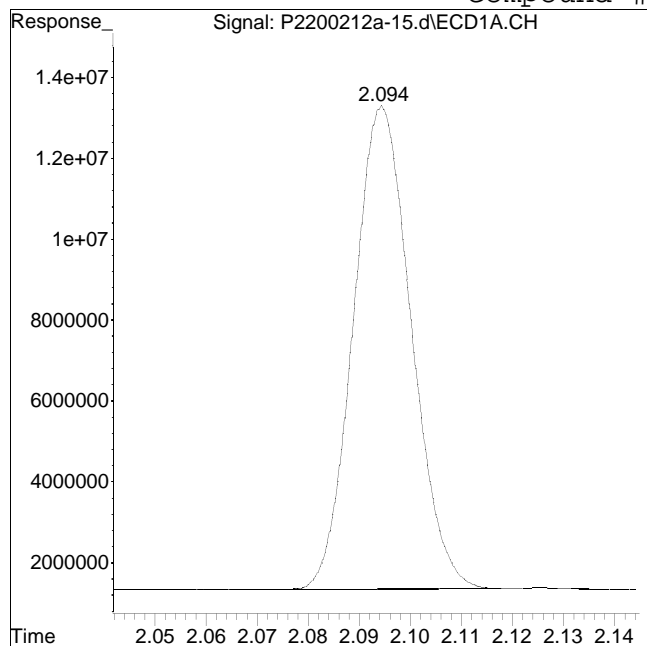


Manual Integration Report

Data Path : I:\Pest2\200212A\
Data File : P2200212a-15.d
Date Inj'd : 2/12/2020 3:18 pm
Sample : 12005946-16,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:cw
Instrument : PEST 2
Quant Date : 2/13/2020 7:50 am

Compound #1: 1660_1br2nb



Original Peak Response = 93929744

Manual Peak Response = 94393423 M4

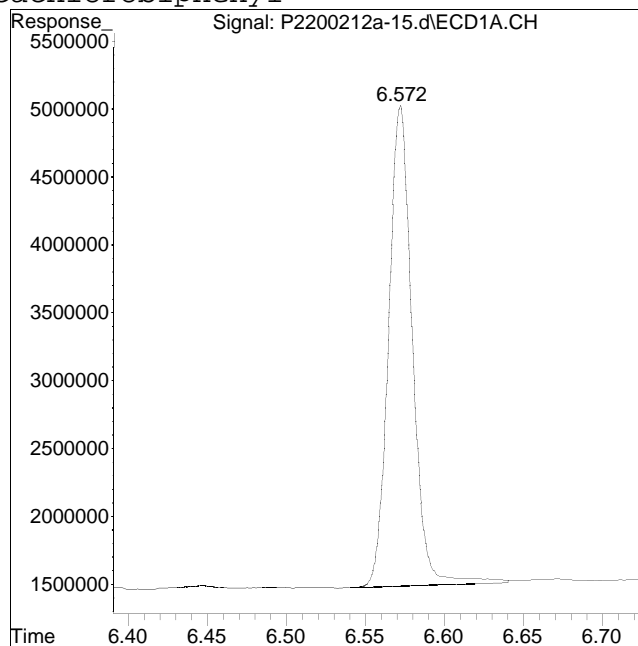
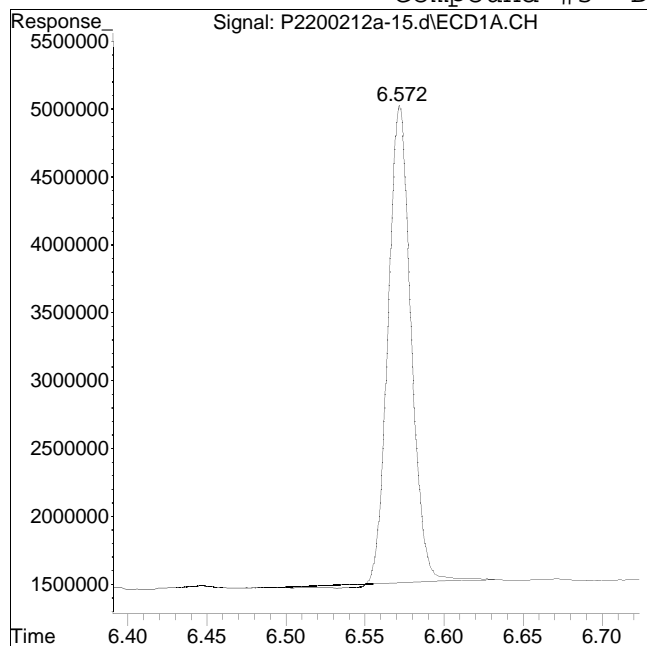
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200212A\
Data File : P2200212a-15.d
Date Inj'd : 2/12/2020 3:18 pm
Sample : 12005946-16,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:cw
Instrument : PEST 2
Quant Date : 2/13/2020 7:50 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 35016560

Manual Peak Response = 37043722 M4

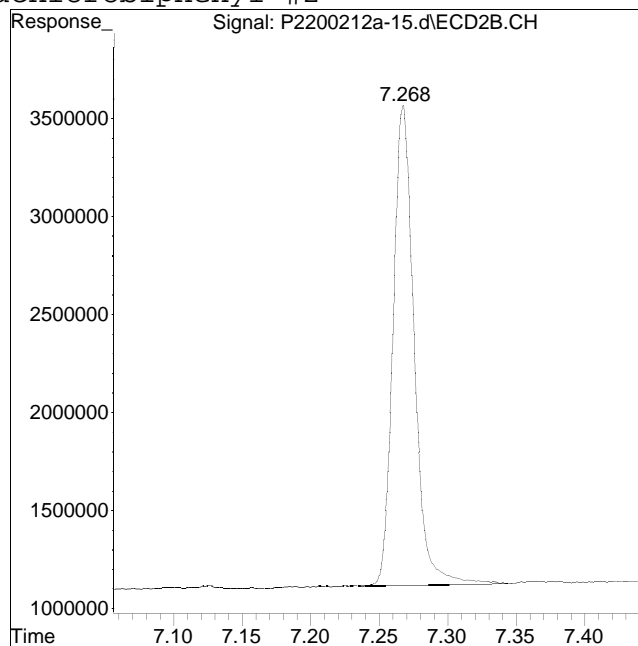
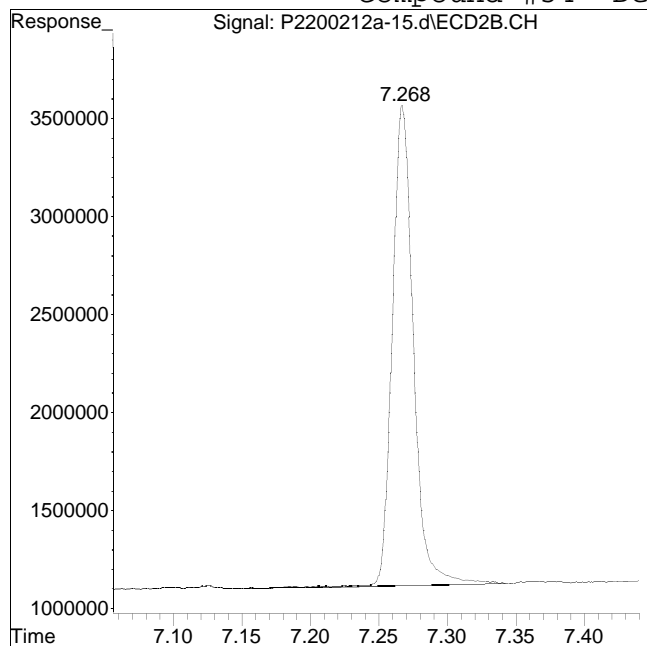
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200212A\
Data File : P2200212a-15.d
Date Inj'd : 2/12/2020 3:18 pm
Sample : 12005946-16,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:cw
Instrument : PEST 2
Quant Date : 2/13/2020 7:50 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 26314634

Manual Peak Response = 26202319 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-28.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:08 pm
 Operator : pest23:cw
 Sample : L2005946-01,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:57:50 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.928	1.076	25599799	26728418	250.000	250.000
Standard Area 1 : #1 = 21191855					Recovery =	120.80%
Standard Area 1 : #2 = 22069319					Recovery =	121.11%
14) i 2154_1br2nb	0.928	1.076	25599799	26728418	250.000	250.000
23) i 4268_1br2nb	0.928	1.076	25599799	26728418	250.000	250.000
34) i 1248_1br2nb	0.928	1.076	25599799	26728418	250.000	250.000
40) i 3262_1br2nb	0.928	1.076	25599799	26728418	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.166	1.420	44287953	47257663	283.014	319.900
Spiked Amount 500.000	Range 30 - 150		Recovery =		56.60%	63.98%
3) s Decachlorobi	3.528	4.224	34325044	34086360	320.445	255.670M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		64.09%	51.13%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.786	4047732	4006382	522.580	488.590
10) l2 1260-2	2.389	2.885	7984095	6295343	675.142	650.472M3
11) l2 1260-3	2.681	3.262	4718319	5101645	644.292M3	620.102M4
12) l2 1260-4	2.825	3.391	11436004	11411429	730.070M4	674.195M3
13) l2 1260-5	2.965	3.588	6573417	8427367	787.221	702.779

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-28.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:08 pm
 Operator : pest23:cw
 Sample : L2005946-01,42e,,
 Misc : wgl340369,wgl339677,ical16474
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:57:50 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			34759568	35242166	3359.306	3136.139
Average	1260-1					671.861	627.228
15)	13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-28.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:08 pm
 Operator : pest23:cw
 Sample : L2005946-01,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:57:50 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-28.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:08 pm
 Operator : pest23:cw
 Sample : L2005946-01,42e,,
 Misc : wgl340369,wgl339677,ical16474
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:57:50 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

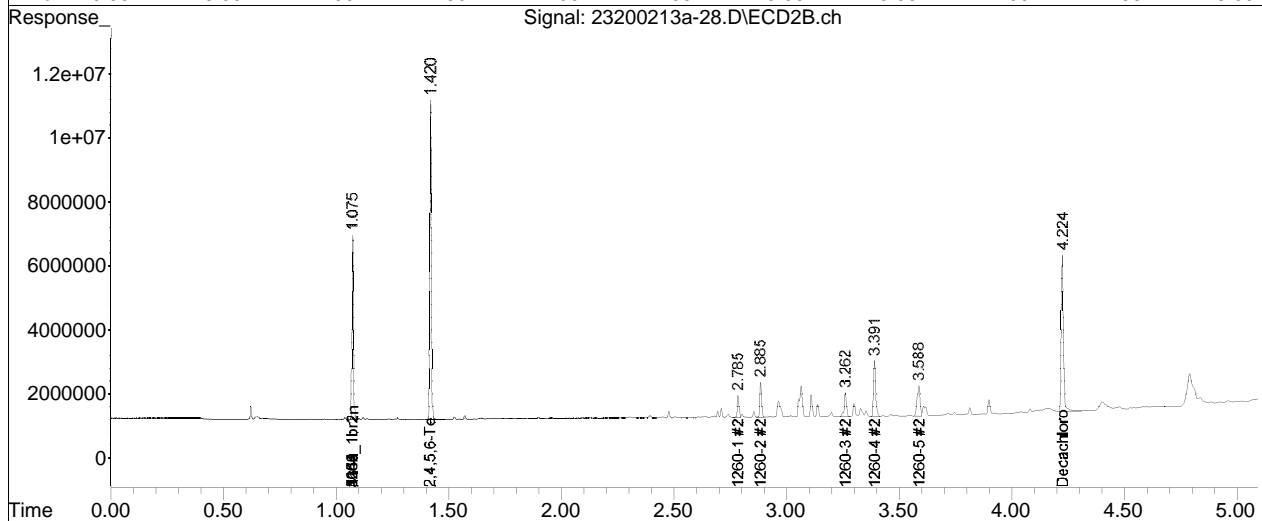
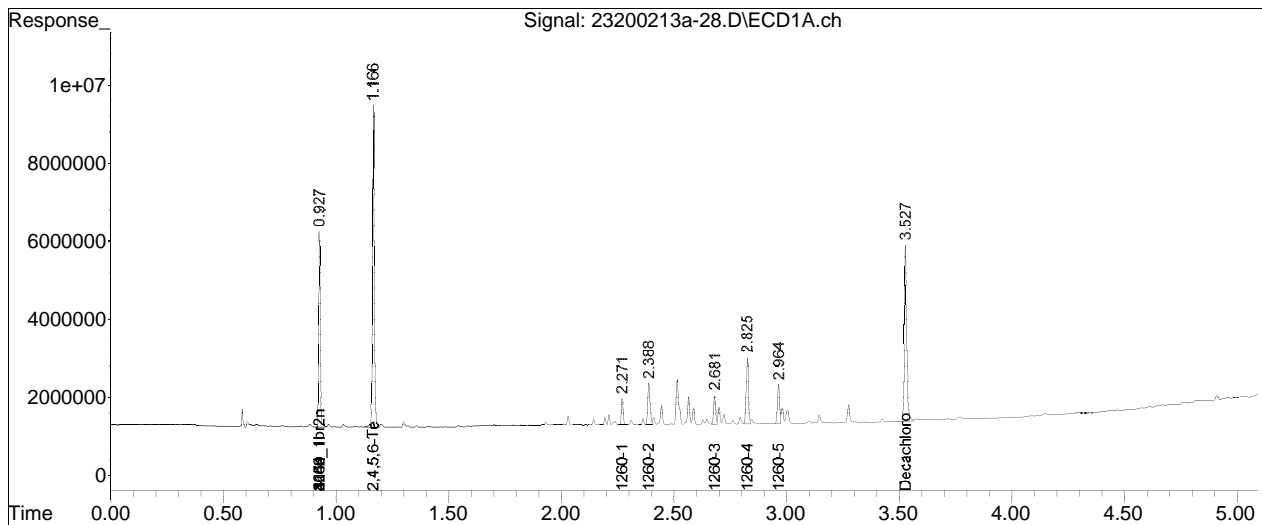
Sub List : Default - All compounds listed13a\23200213a-22.D**

Data Path : I:\Pest23\data\2020\23200213a\
Data File : 23200213a-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Feb 2020 04:08 pm
Operator : pest23:cw
Sample : L2005946-01,42e,,
Misc : wg1340369,wg1339677,ical16474
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 12:57:50 2020
Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Thu Feb 13 21:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

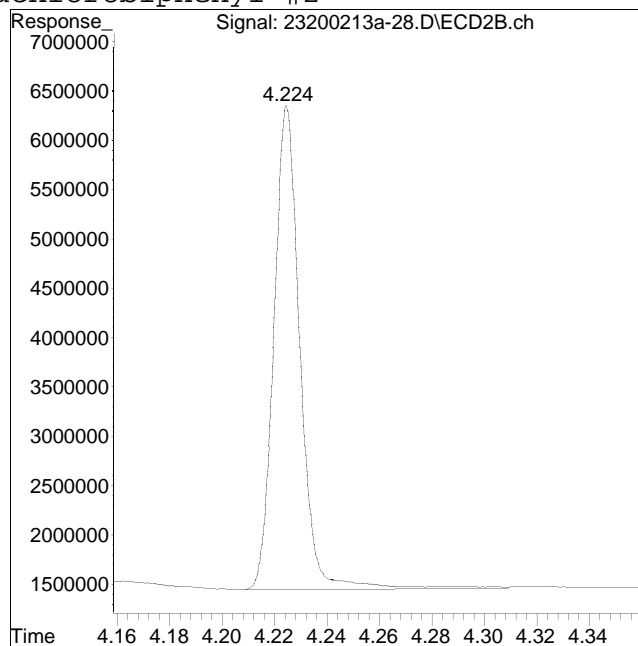
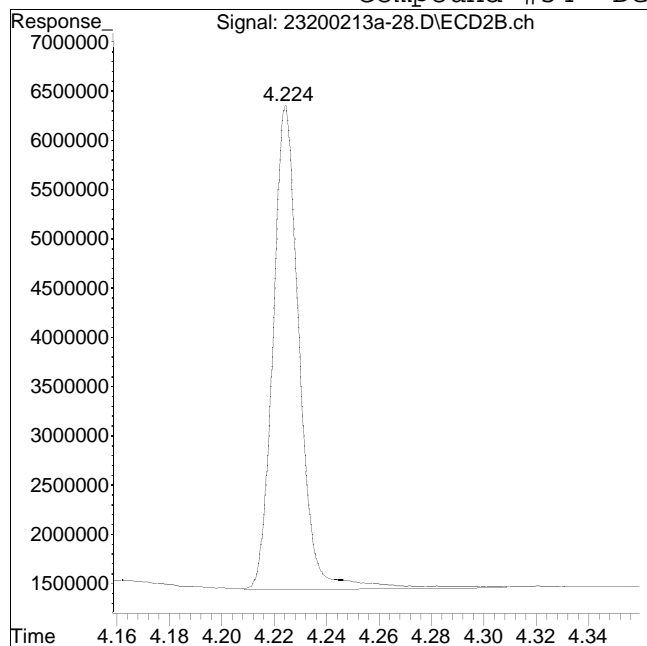
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-28.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:08 pm Instrument : Pest 23
Sample : L2005946-01,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 34490385

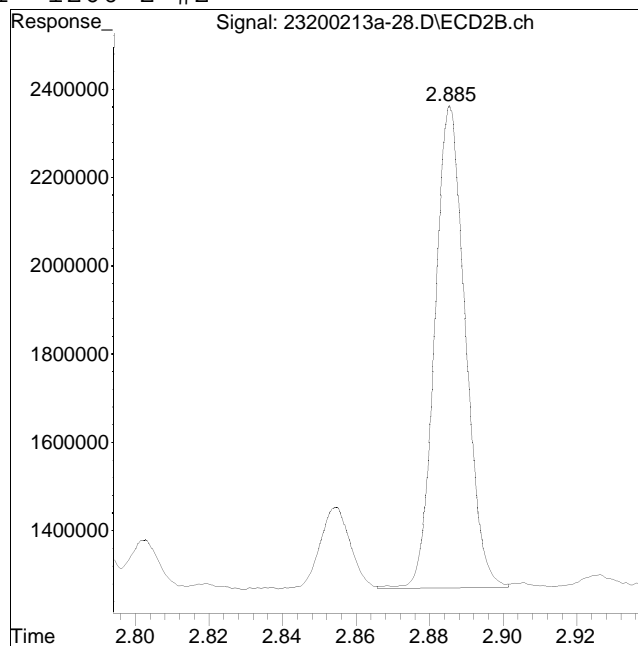
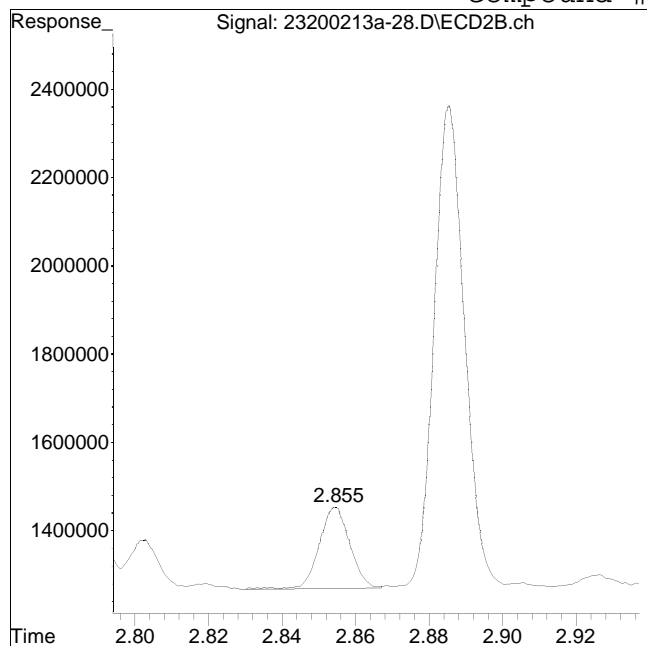
Manual Peak Response = 34086360 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-28.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:08 pm Instrument : Pest 23
Sample : L2005946-01,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #61: 1260-2 #2



Original Peak Response = 1068359

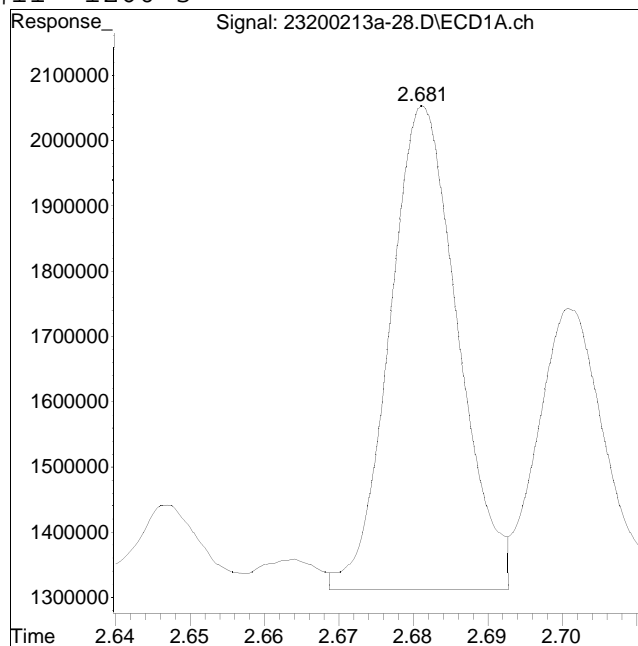
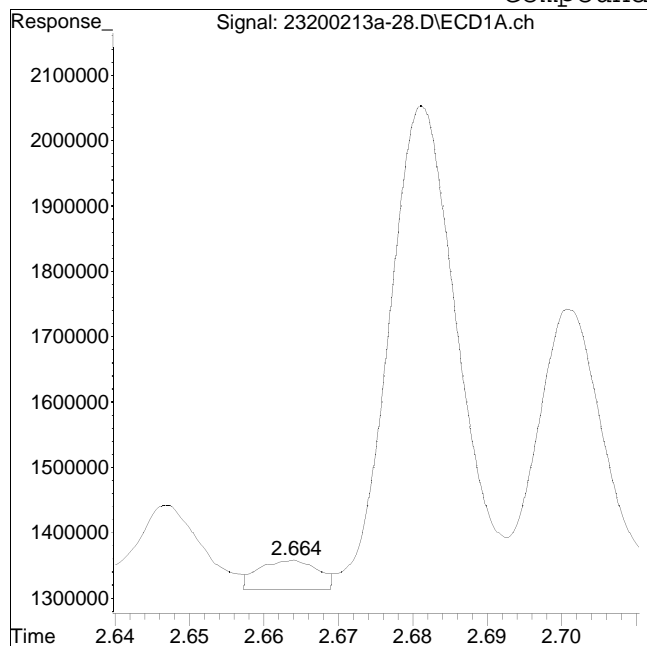
Manual Peak Response = 6295343 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-28.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:08 pm Instrument : Pest 23
Sample : L2005946-01,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #11: 1260-3



Original Peak Response = 244638

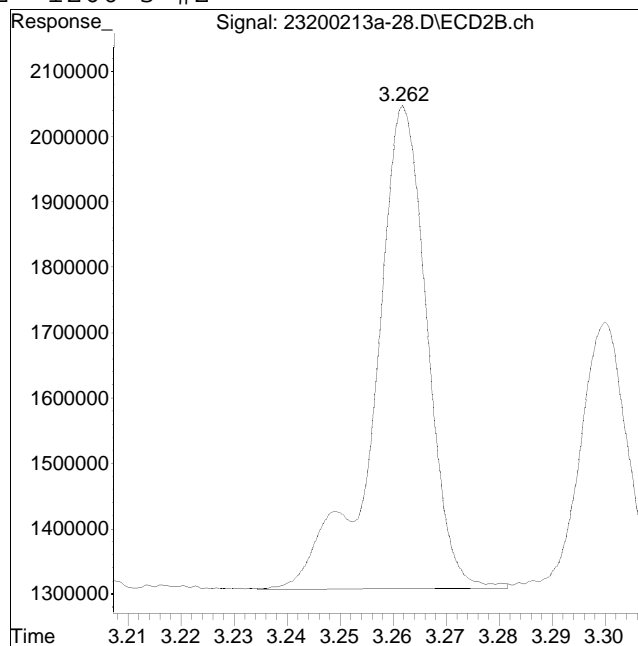
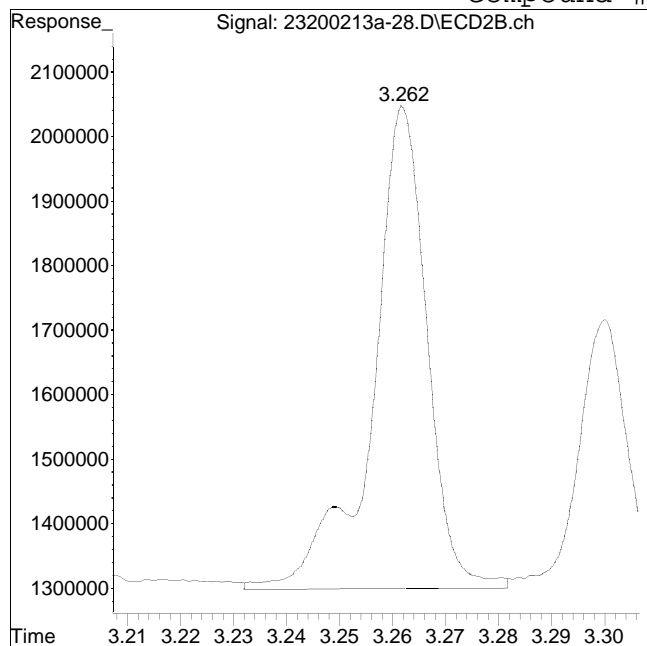
Manual Peak Response = 4718319 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-28.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:08 pm Instrument : Pest 23
Sample : L2005946-01,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #62: 1260-3 #2



Original Peak Response = 5356358

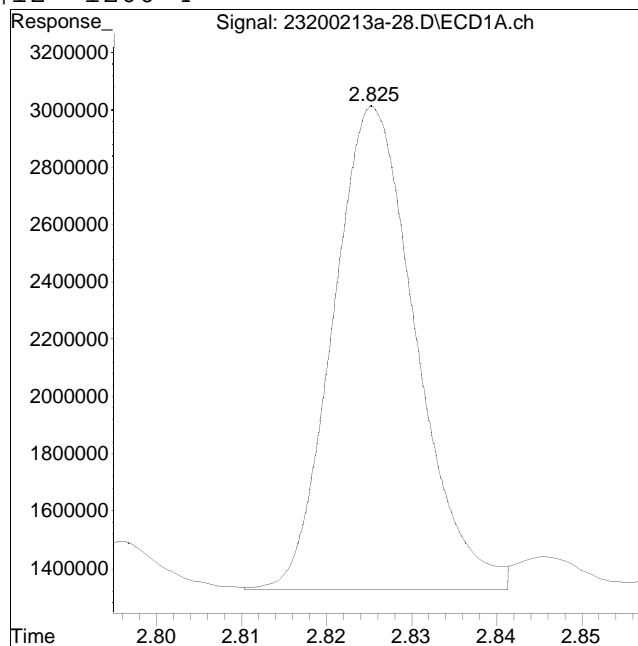
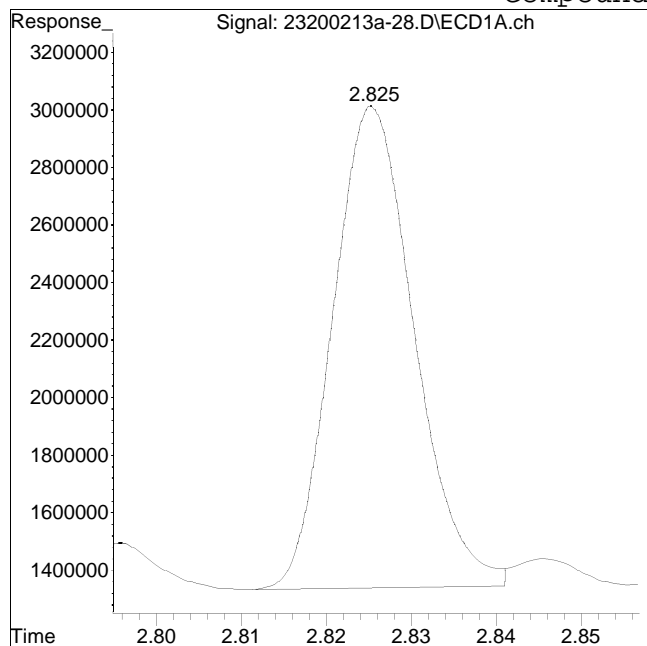
Manual Peak Response = 5101645 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-28.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:08 pm Instrument : Pest 23
Sample : L2005946-01,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #12: 1260-4



Original Peak Response = 11144925

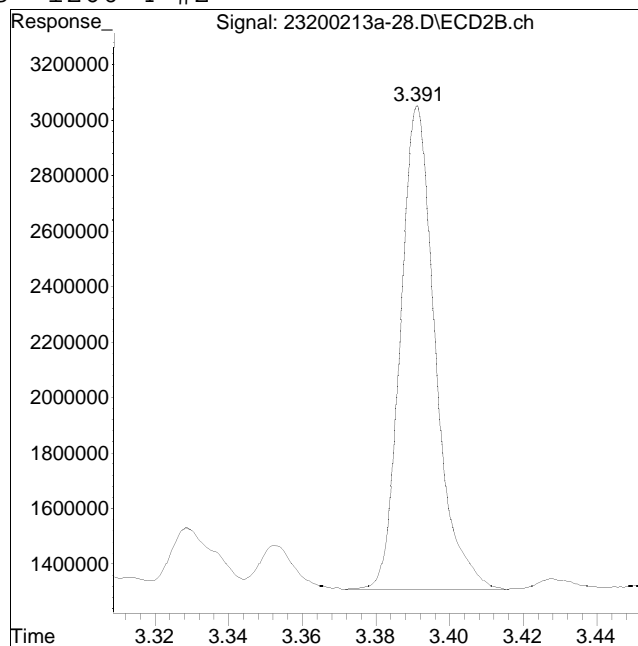
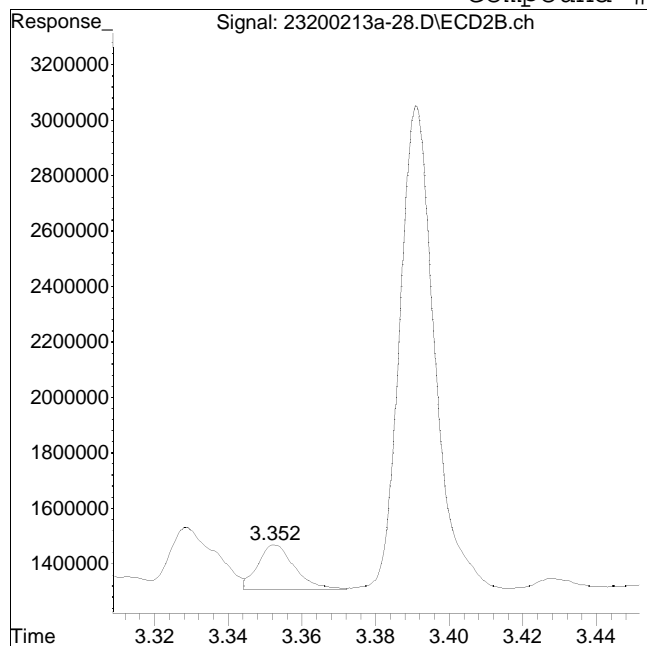
Manual Peak Response = 11436004 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-28.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:08 pm Instrument : Pest 23
Sample : L2005946-01,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #63: 1260-4 #2



Original Peak Response = 1129932

Manual Peak Response = 11411429 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:15 pm
 Operator : pest23:cw
 Sample : L2005946-02,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:58:41 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.927	1.075	26561065	27718087	250.000	250.000
Standard Area 1 : #1 = 21191855					Recovery =	125.34%
Standard Area 1 : #2 = 22069319					Recovery =	125.60%
14) i 2154_1br2nb	0.927	1.075	26561065	27718087	250.000	250.000
23) i 4268_1br2nb	0.927	1.075	26561065	27718087	250.000	250.000
34) i 1248_1br2nb	0.927	1.075	26561065	27718087	250.000	250.000
40) i 3262_1br2nb	0.927	1.075	26561065	27718087	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.166	1.420	50750726	54731137	312.576	357.262
Spiked Amount 500.000	Range 30 - 150				Recovery =	62.52%
3) s Decachlorobi	3.527	4.224	38888380	39359172	351.000	284.679
Spiked Amount 500.000	Range 30 - 150				Recovery =	70.20%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.786	329130	286205	40.954	33.657
10) l2 1260-2	2.388	2.886	680757	450486	55.482	44.885
11) l2 1260-3	2.681	3.262	366675	436737	48.258	51.190
12) l2 1260-4	2.825	3.392	928697	830614	57.142	47.321
13) l2 1260-5	2.963	3.588	477828	596796	55.153M4	47.991
Sum 1260-1			2783087	2600837	256.989	225.044
Average 1260-1					51.398	45.009

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:15 pm
 Operator : pest23:cw
 Sample : L2005946-02,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:58:41 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D.
33) 19 1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:15 pm
 Operator : pest23:cw
 Sample : L2005946-02,42e,,
 Misc : wgl340369,wgl339677,ical16474
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:58:41 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:15 pm
 Operator : pest23:cw
 Sample : L2005946-02,42e,,
 Misc : wgl340369,wgl339677,ical16474
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:58:41 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

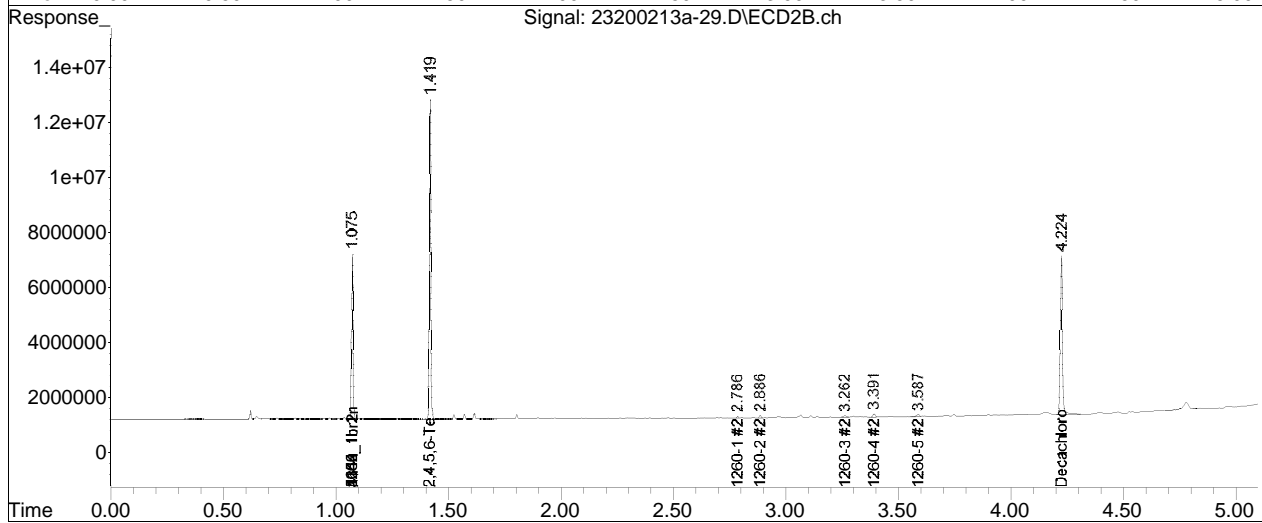
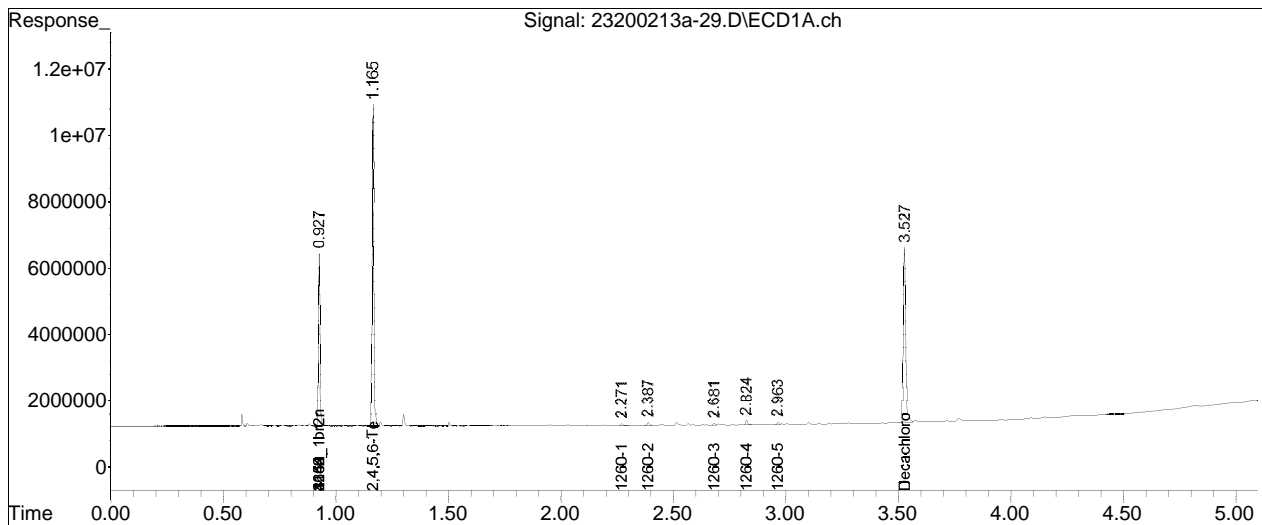
Sub List : Default - All compounds listed13a\23200213a-22.D••

Data Path : I:\Pest23\data\2020\23200213a\
Data File : 23200213a-29.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Feb 2020 04:15 pm
Operator : pest23:cw
Sample : L2005946-02,42e,,
Misc : wg1340369,wg1339677,ical16474
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 12:58:41 2020
Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Thu Feb 13 21:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

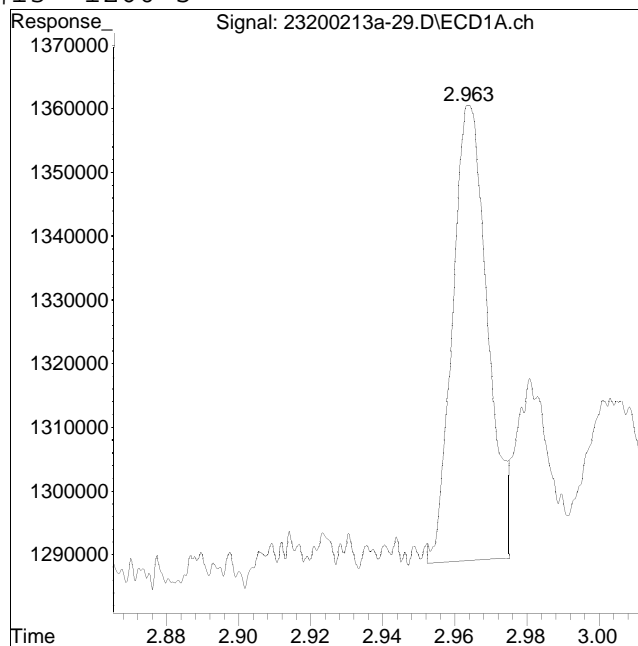
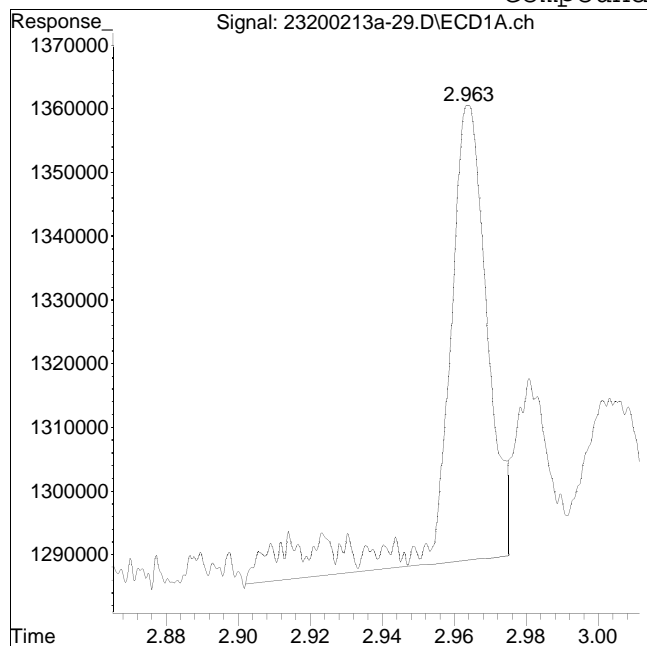
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-29.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:15 pm Instrument : Pest 23
Sample : L2005946-02,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #13: 1260-5



Original Peak Response = 578183

Manual Peak Response = 477828 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:21 pm
 Operator : pest23:cw
 Sample : L2005946-04,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:59:52 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.928	1.076	25689889	26828937	250.000	250.000
Standard Area 1 : #1 = 21191855					Recovery =	121.23%
Standard Area 1 : #2 = 22069319					Recovery =	121.57%
14) i 2154_1br2nb	0.928	1.076	25689889	26828937	250.000	250.000
23) i 4268_1br2nb	0.928	1.076	25689889	26828937	250.000	250.000
34) i 1248_1br2nb	0.928	1.076	25689889	26828937	250.000	250.000
40) i 3262_1br2nb	0.928	1.076	25689889	26828937	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.166	1.420	46666968	49760899	297.170	335.583
Spiked Amount 500.000	Range 30 - 150				Recovery =	59.43%
3) s Decachlorobi	3.528	4.224	33173929	32398873	308.174	242.102M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	61.63%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.786	649648	630322	83.578M4	76.582
10) l2 1260-2	2.388	2.885	1333672	995116	112.381	102.436M3
11) l2 1260-3	2.681	3.263	672118	800126	91.457	96.890
12) l2 1260-4	2.825	3.392	1816795	1711554	115.577M4	100.741
13) l2 1260-5	2.965	3.588	951139	1196993	113.507	99.446
Sum 1260-1			5423372	5334111	516.500	476.095
Average 1260-1					103.300	95.219

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:21 pm
 Operator : pest23:cw
 Sample : L2005946-04,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:59:52 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D.
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D.
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D.
33) 19 1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:21 pm
 Operator : pest23:cw
 Sample : L2005946-04,42e,,
 Misc : wgl340369,wgl339677,ical16474
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:59:52 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:21 pm
 Operator : pest23:cw
 Sample : L2005946-04,42e,,
 Misc : wgl340369,wgl339677,ical16474
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:59:52 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

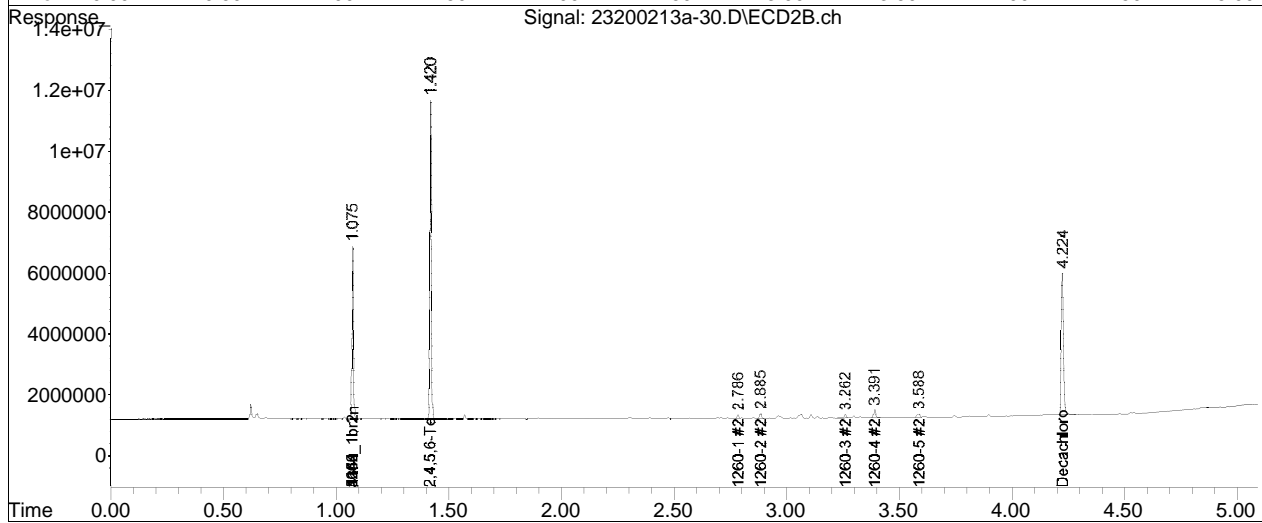
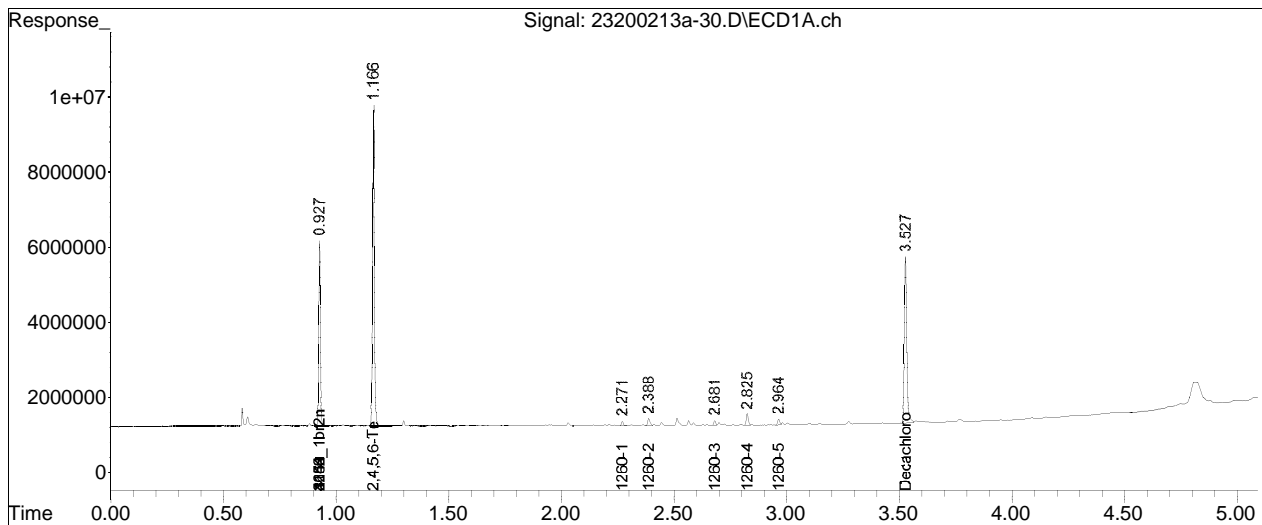
Sub List : Default - All compounds listed13a\23200213a-22.D••

Data Path : I:\Pest23\data\2020\23200213a\
Data File : 23200213a-30.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Feb 2020 04:21 pm
Operator : pest23:cw
Sample : L2005946-04,42e,,
Misc : wg1340369,wg1339677,ical16474
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 12:59:52 2020
Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 21:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

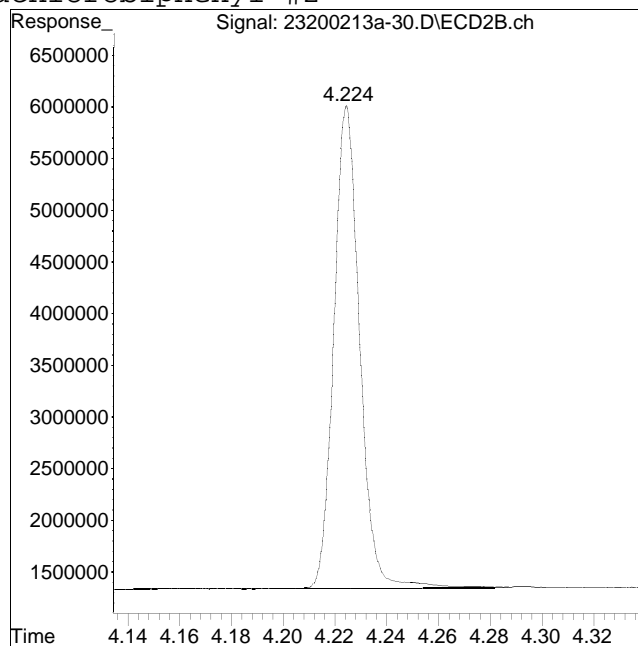
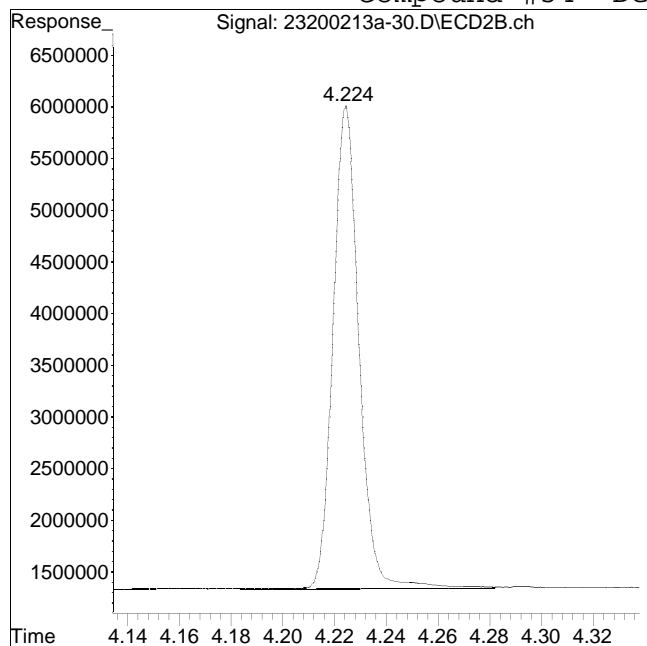
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-30.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:21 pm Instrument : Pest 23
Sample : L2005946-04,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 32722090

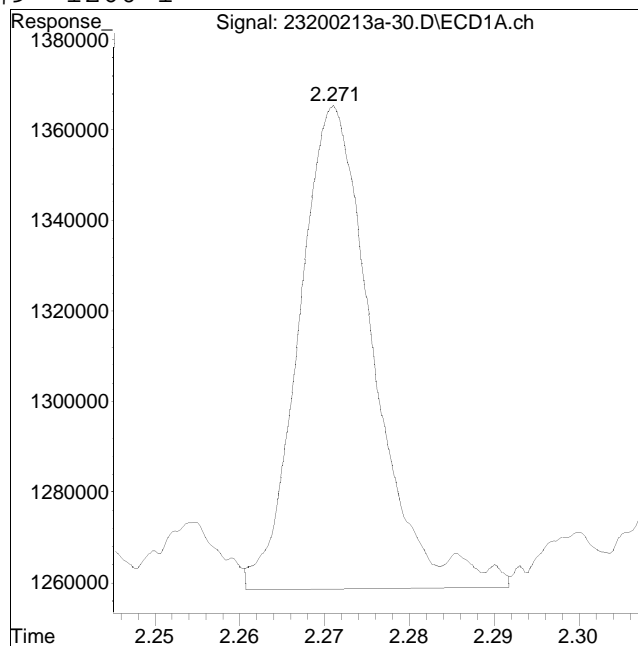
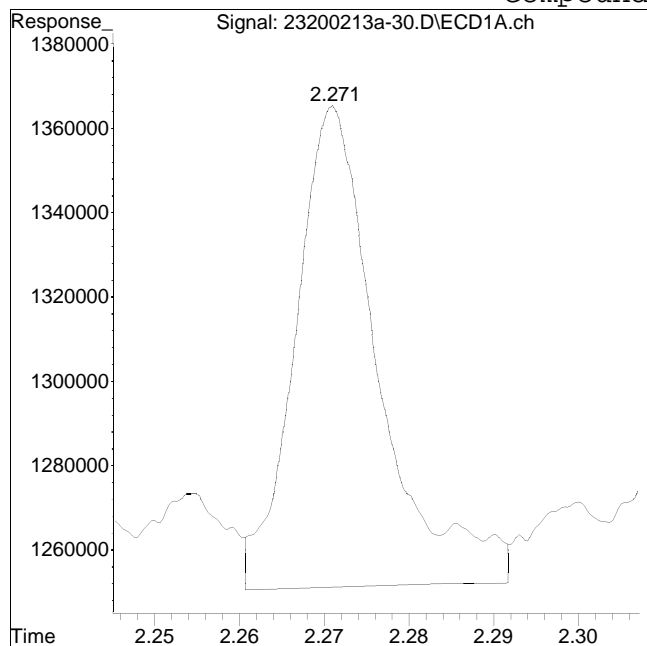
Manual Peak Response = 32398873 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-30.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:21 pm Instrument : Pest 23
Sample : L2005946-04,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #9: 1260-1



Original Peak Response = 786457

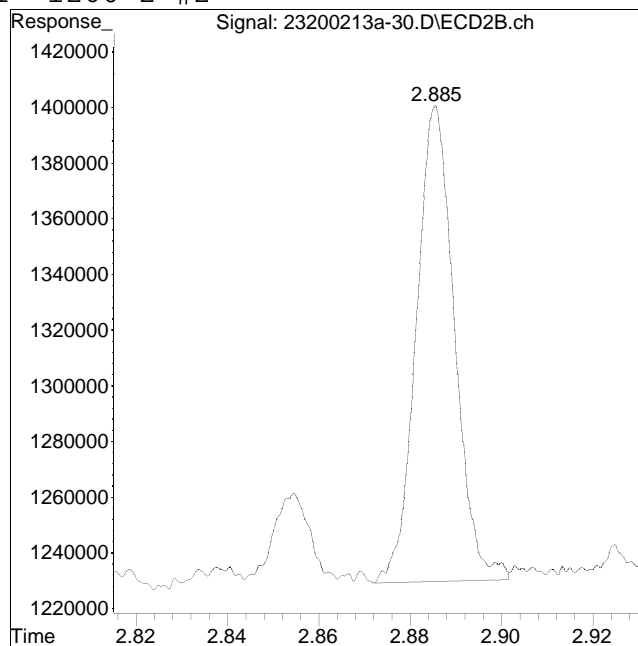
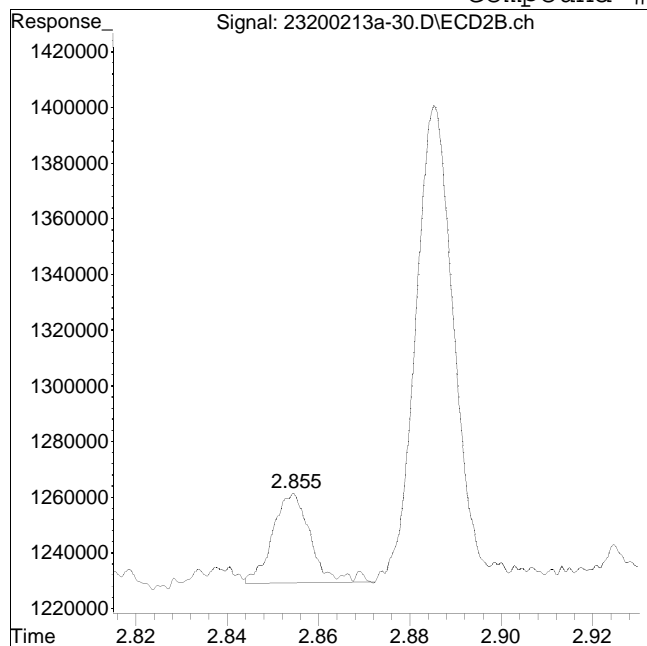
Manual Peak Response = 649648 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-30.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:21 pm Instrument : Pest 23
Sample : L2005946-04,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #61: 1260-2 #2



Original Peak Response = 187380

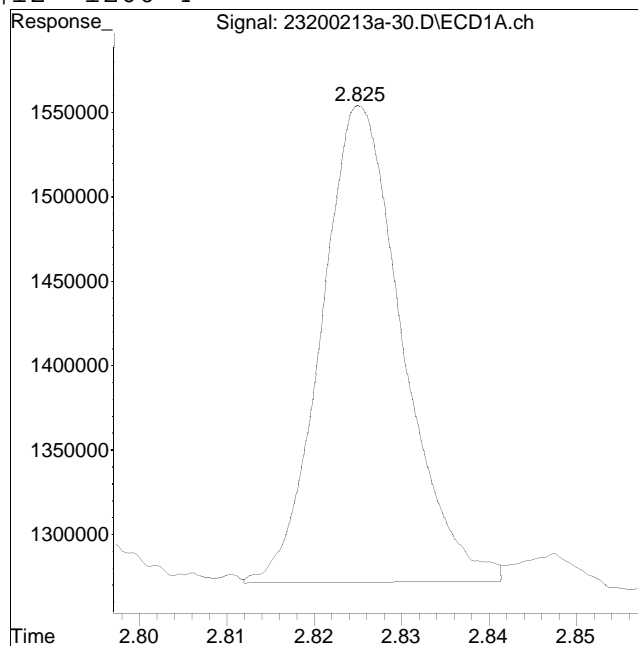
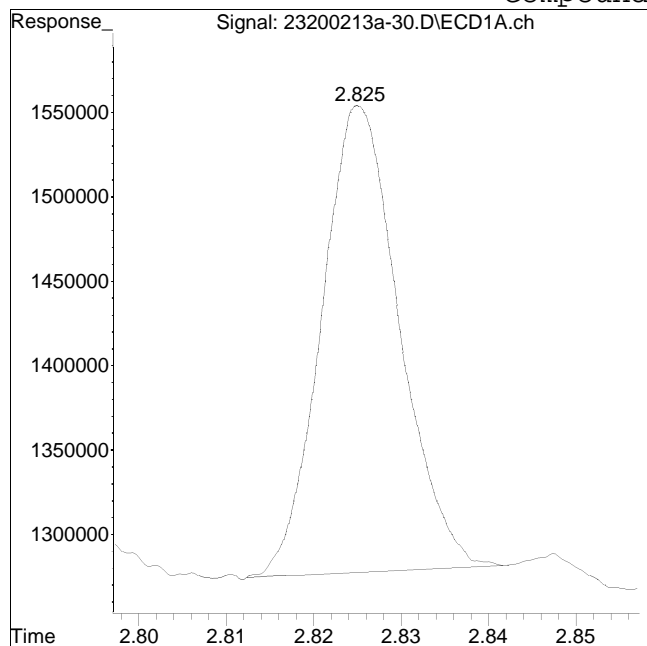
Manual Peak Response = 995116 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-30.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:21 pm Instrument : Pest 23
Sample : L2005946-04,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #12: 1260-4



Original Peak Response = 1705133

Manual Peak Response = 1816795 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:28 pm
 Operator : pest23:cw
 Sample : L2005946-06,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:01:49 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1)	i 1660_1br2nb	0.927	1.075	25545144	27473393	250.000M4	250.000M4
	Standard Area 1 : #1 = 21191855					Recovery = 120.54%	
	Standard Area 1 : #2 = 22069319					Recovery = 124.49%	
14)	i 2154_1br2nb	0.927	1.075	25545144	27473393	250.000M4	250.000M4
23)	i 4268_1br2nb	0.927	1.075	25545144	27473393	250.000M4	250.000M4
34)	i 1248_1br2nb	0.927	1.075	25545144	27473393	250.000M4	250.000M4
40)	i 3262_1br2nb	0.927	1.075	25545144	27473393	250.000M4	250.000M4
System Monitoring Compounds							
2)	s 2,4,5,6-Tetr	1.165	1.420	40388535	43416359	258.647M4	285.928
	Spiked Amount 500.000 Range 30 - 150			Recovery = 51.73%		57.19%	
3)	s Decachlorobi	3.527	4.224	33920198	33713609	317.228	246.017
	Spiked Amount 500.000 Range 30 - 150			Recovery = 63.45%		49.20%	
Target Compounds							
4)	l1 1016-1	0.000	0.000	0	0	N.D. d	N.D.
5)	l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6)	l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7)	l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8)	l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9)	l2 1260-1	2.270	2.786	5444667	5627065	704.435M3	667.629
10)	l2 1260-2	2.388	2.885	10247844	8226074	868.421	826.919M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:28 pm
 Operator : pest23:cw
 Sample : L2005946-06,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:01:49 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) 12 1260-3	2.680	3.262	5841607	6724179	799.385M3	795.158
12) 12 1260-4	2.825	3.391	13557471	13714435	867.355	788.287M3
13) 12 1260-5	2.964	3.588	7980190	10073024	957.738	817.236
Sum 1260-1			43071778	44364777	4197.335	3895.229
Average 1260-1					839.467	779.046
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D.
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:28 pm
 Operator : pest23:cw
 Sample : L2005946-06,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:01:49 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:28 pm
 Operator : pest23:cw
 Sample : L2005946-06,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:01:49 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

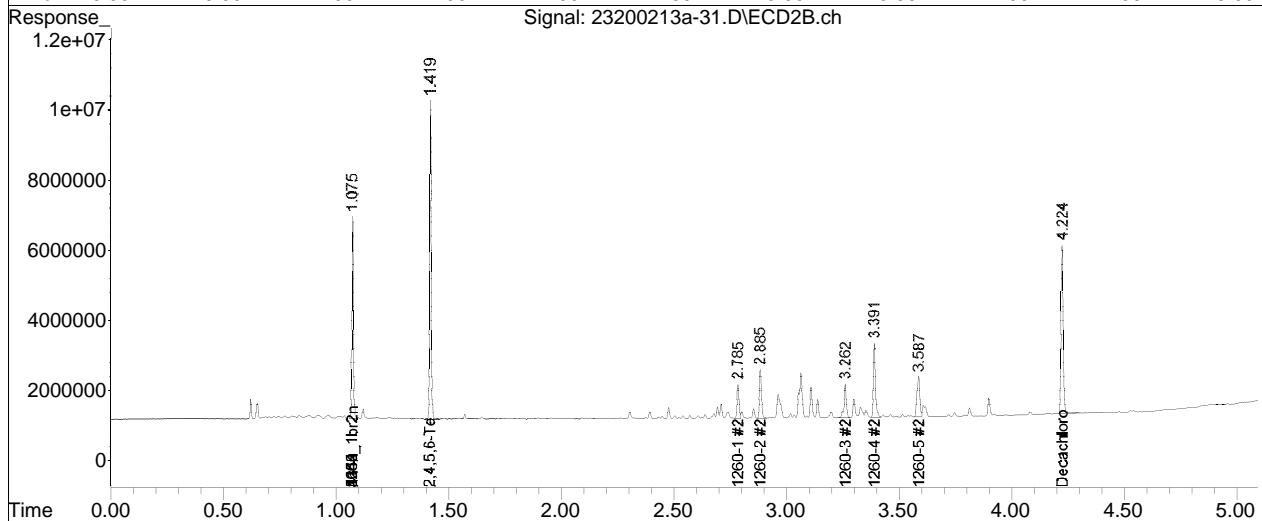
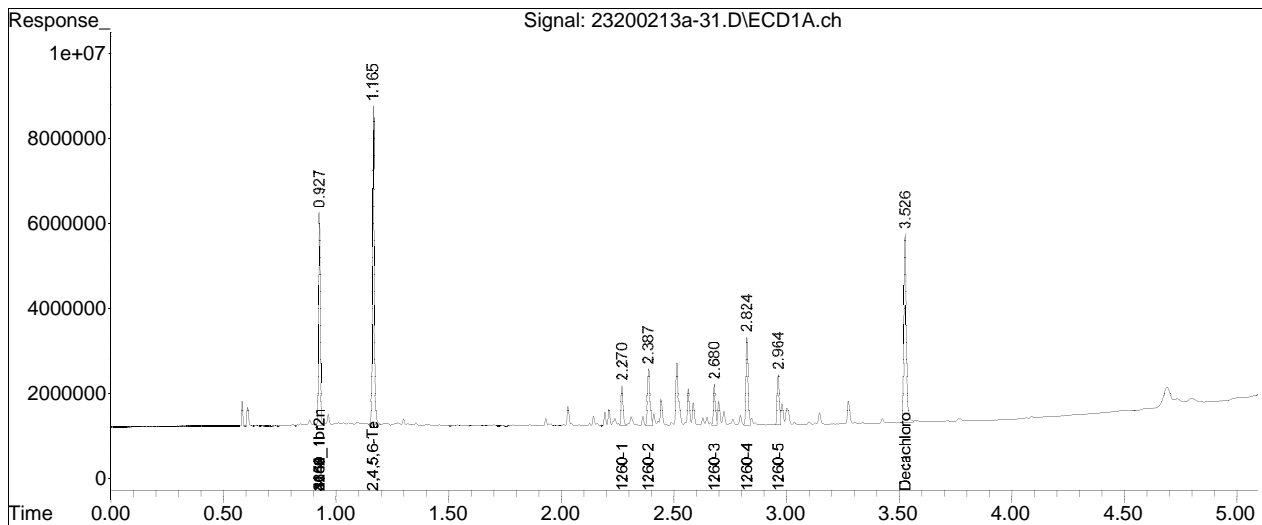
Sub List : Default - All compounds listed13a\23200213a-22.D**

Data Path : I:\Pest23\data\2020\23200213a\
Data File : 23200213a-31.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Feb 2020 04:28 pm
Operator : pest23:cw
Sample : L2005946-06,42e,,
Misc : wg1340369,wg1339677,ical16474
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 13:01:49 2020
Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 21:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

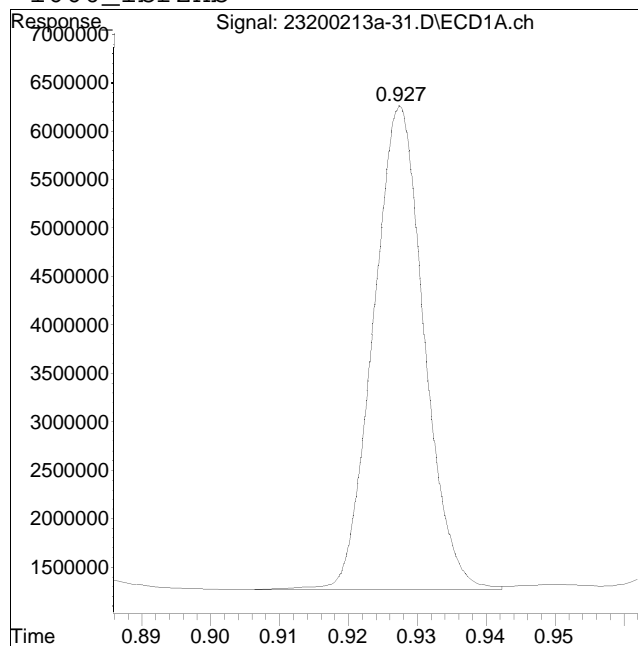
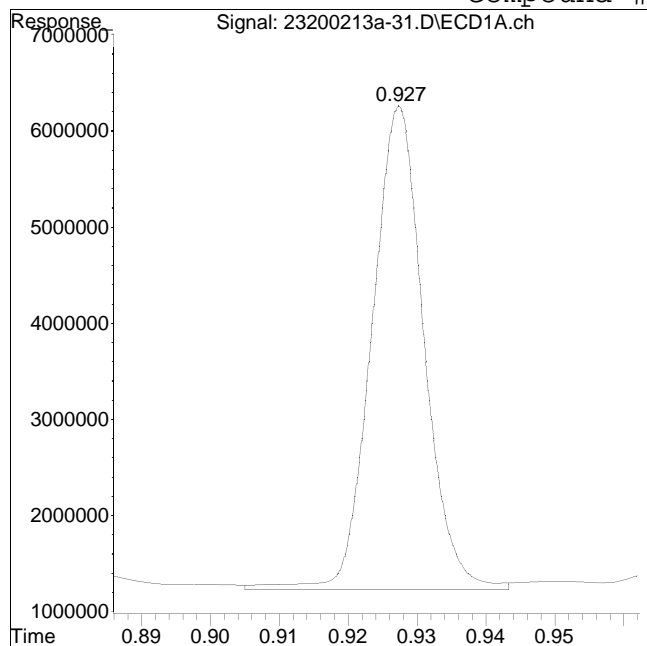
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-31.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:28 pm Instrument : Pest 23
Sample : L2005946-06,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #1: 1660_1br2nb



Original Peak Response = 26539029

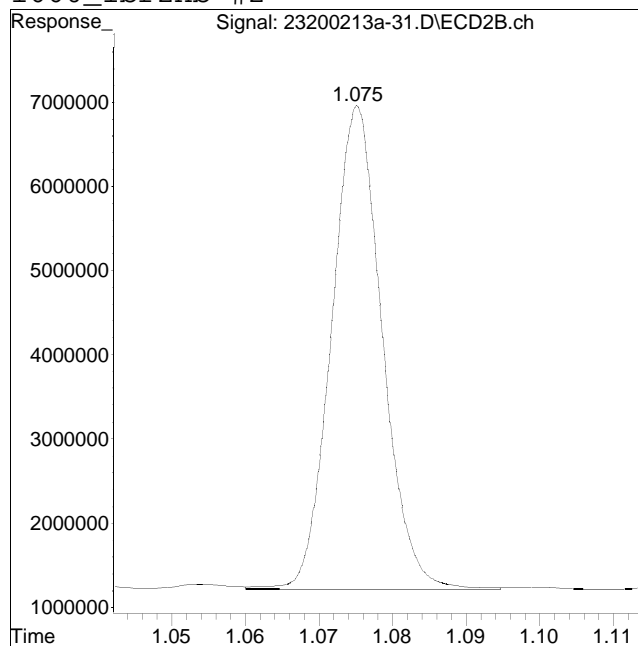
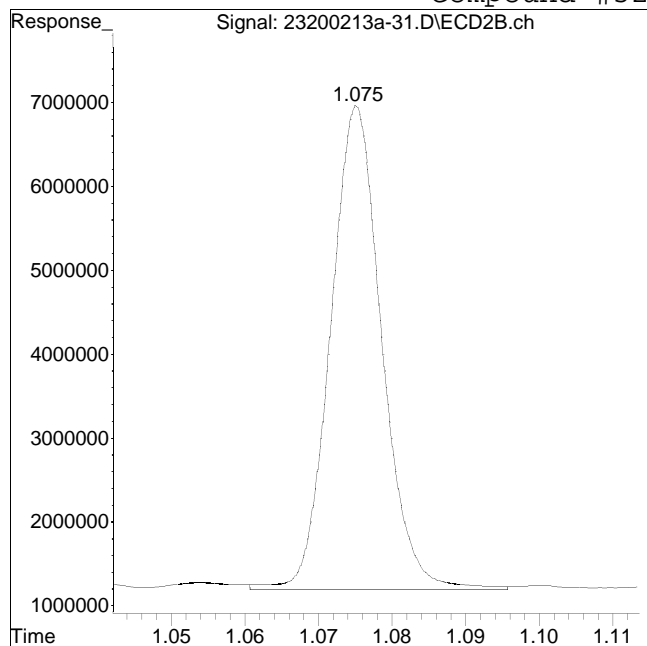
Manual Peak Response = 25545144 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-31.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:28 pm Instrument : Pest 23
Sample : L2005946-06,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 27982756

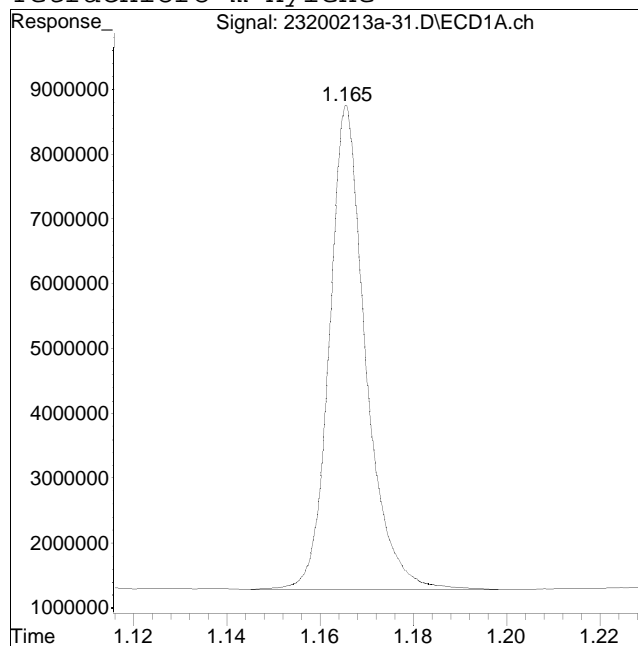
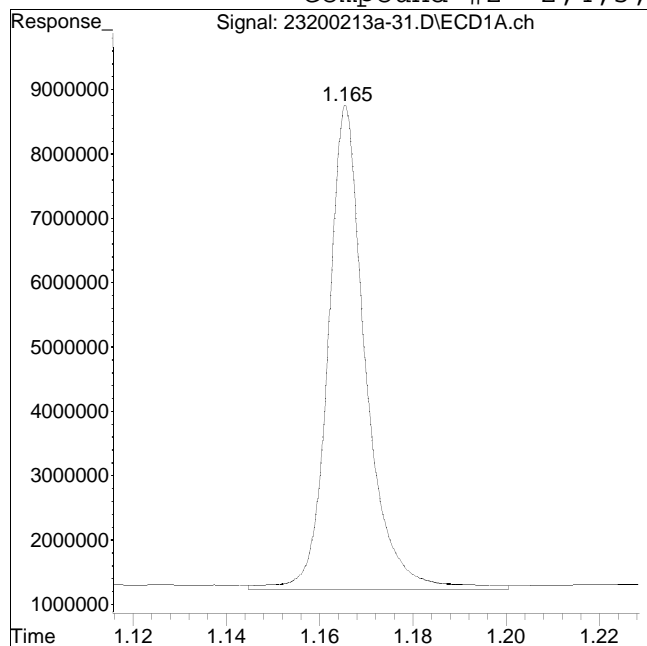
Manual Peak Response = 27473393 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-31.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:28 pm Instrument : Pest 23
Sample : L2005946-06,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 42212014

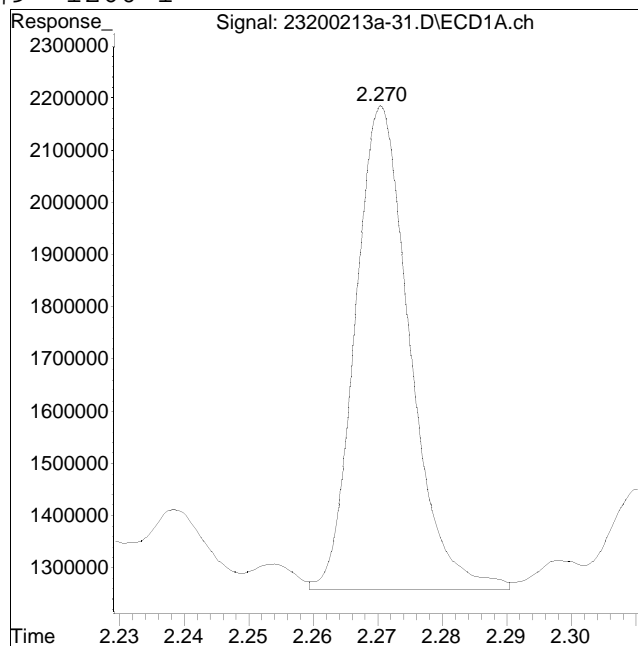
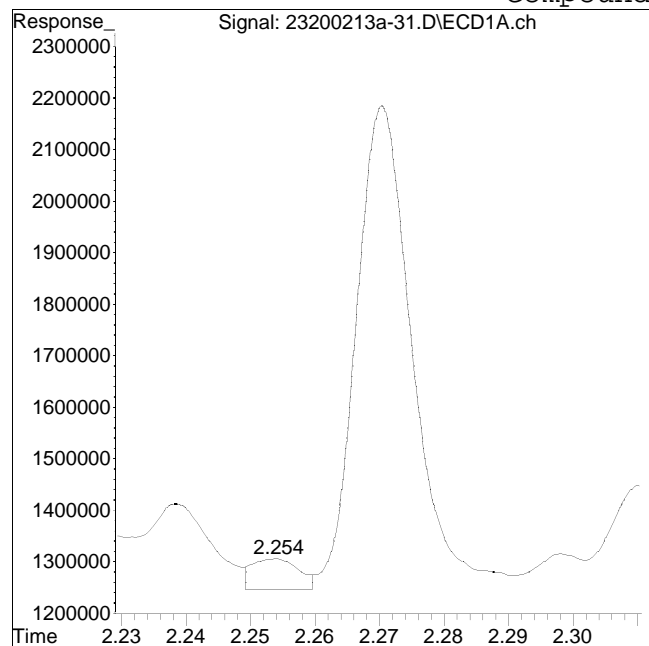
Manual Peak Response = 40388535 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-31.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:28 pm Instrument : Pest 23
Sample : L2005946-06,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #9: 1260-1



Original Peak Response = 301786

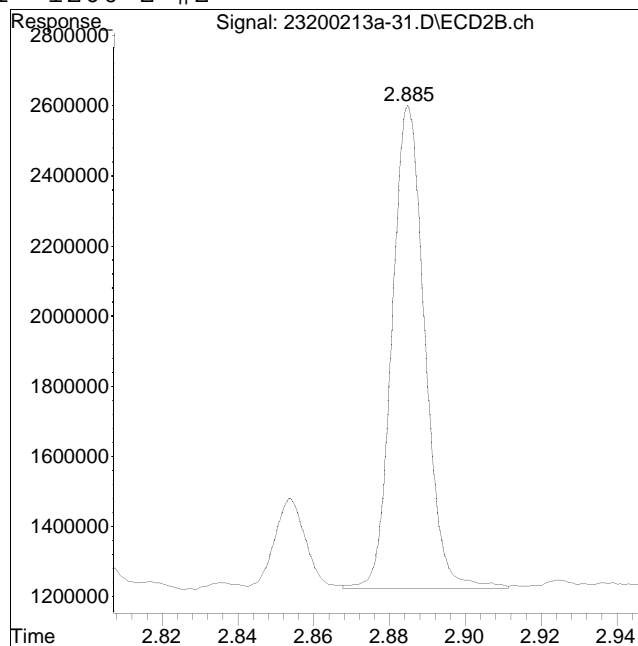
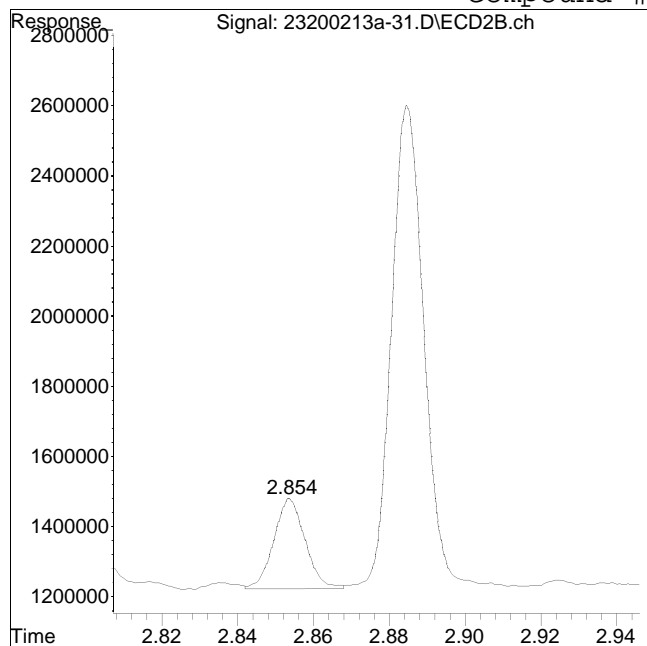
Manual Peak Response = 5444667 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-31.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:28 pm Instrument : Pest 23
Sample : L2005946-06,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #61: 1260-2 #2



Original Peak Response = 1473034

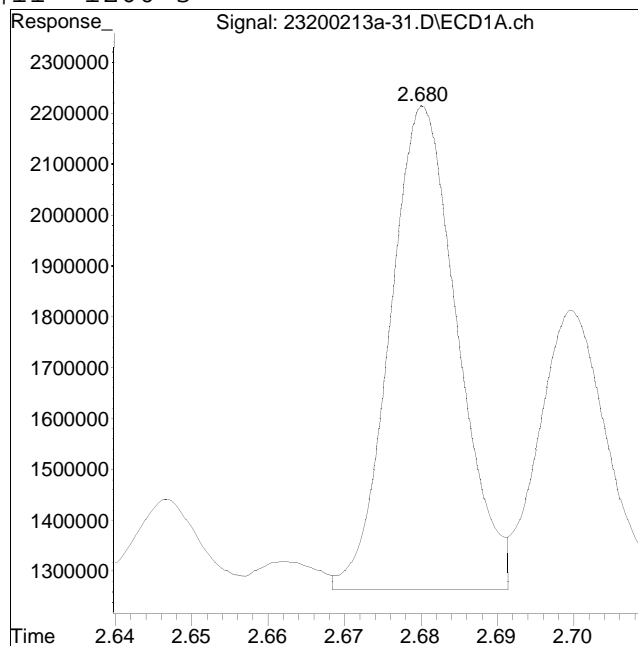
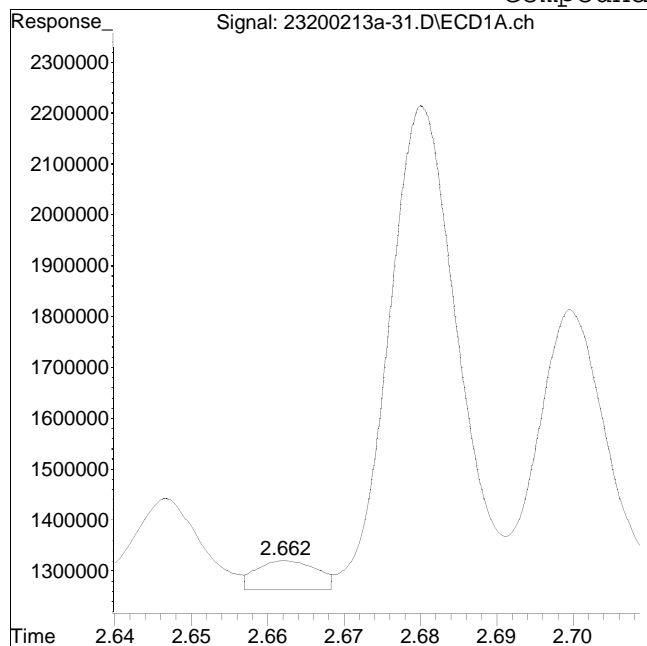
Manual Peak Response = 8226074 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-31.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:28 pm Instrument : Pest 23
Sample : L2005946-06,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #11: 1260-3



Original Peak Response = 311384

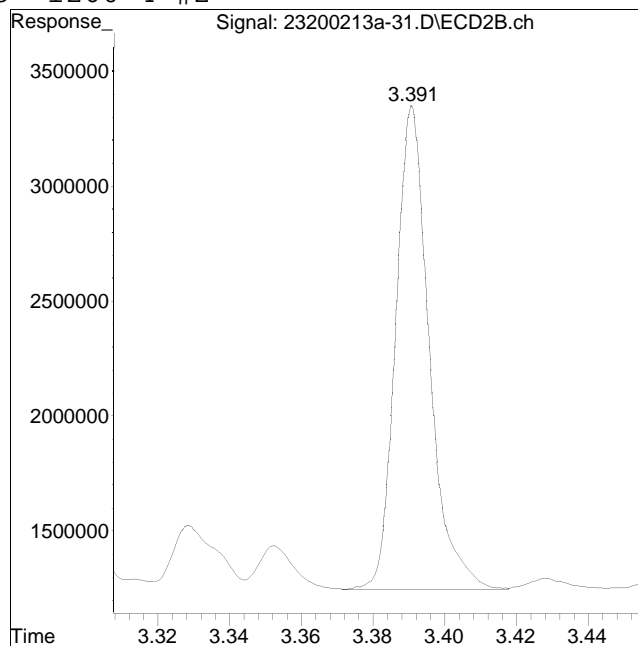
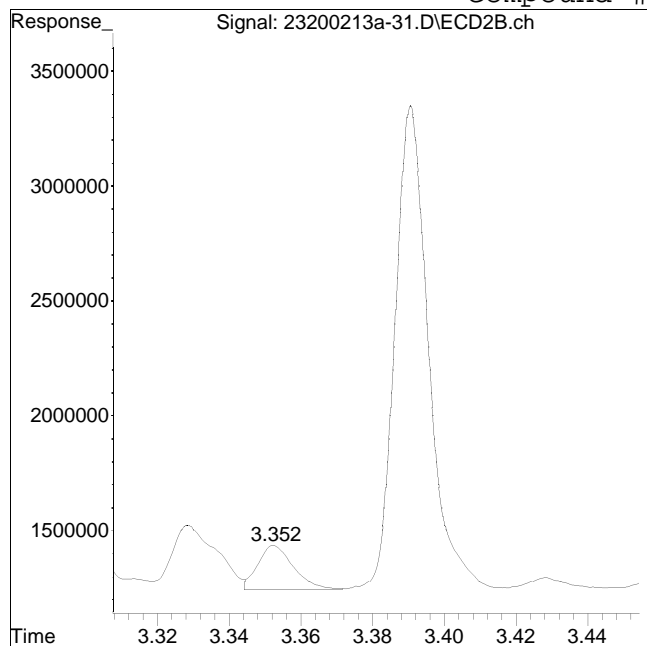
Manual Peak Response = 5841607 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-31.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:28 pm Instrument : Pest 23
Sample : L2005946-06,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #63: 1260-4 #2



Original Peak Response = 1358613

Manual Peak Response = 13714435 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:35 pm
 Operator : pest23:cw
 Sample : L2005946-07,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:03:05 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.929	1.076	24306145	25365121	250.000	250.000
Standard Area 1 : #1 = 21191855					Recovery =	114.70%
Standard Area 1 : #2 = 22069319					Recovery =	114.93%
14) i 2154_1br2nb	0.929	1.076	24306145	25365121	250.000	250.000
23) i 4268_1br2nb	0.929	1.076	24306145	25365121	250.000	250.000
34) i 1248_1br2nb	0.929	1.076	24306145	25365121	250.000	250.000
40) i 3262_1br2nb	0.929	1.076	24306145	25365121	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.167	1.420	48354819	51617127	325.448	368.190
Spiked Amount 500.000	Range 30 - 150				Recovery =	65.09%
73.64%						
3) s Decachlorobi	3.528	4.224	38315972	39255429	378.827	310.267M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	75.77%
62.05%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.786	1816477	1647642	246.997	211.735
10) l2 1260-2	2.389	2.886	3350951	2577957	298.441	280.686M3
11) l2 1260-3	2.682	3.263	1782084	2025547	256.297	259.437
12) l2 1260-4	2.825	3.392	4508945	4333042	303.170M2	269.758
13) l2 1260-5	2.965	3.588	2513139	3087471	316.988M4	271.310
Sum 1260-1			13971596	13671659	1421.892	1292.926
Average 1260-1					284.378	258.585

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:35 pm
 Operator : pest23:cw
 Sample : L2005946-07,42e,,
 Misc : wgl340369,wgl339677,ical16474
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:03:05 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13	1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D.
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:35 pm
 Operator : pest23:cw
 Sample : L2005946-07,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:03:05 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:35 pm
 Operator : pest23:cw
 Sample : L2005946-07,42e,,
 Misc : wgl340369,wgl339677,ical16474
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:03:05 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

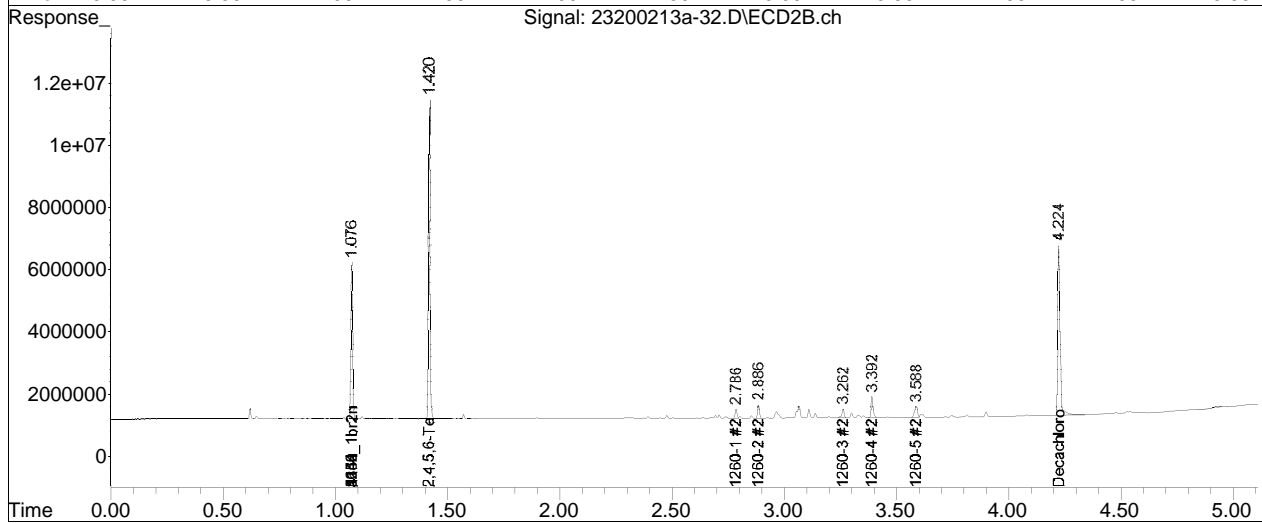
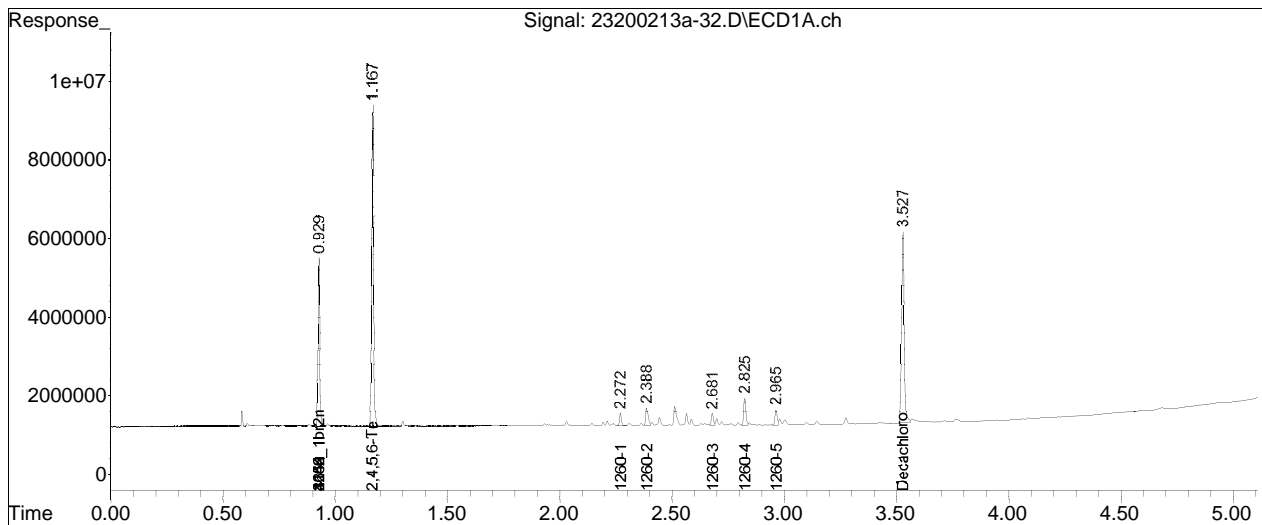
Sub List : Default - All compounds listed13a\23200213a-22.D**

Data Path : I:\Pest23\data\2020\23200213a\
Data File : 23200213a-32.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Feb 2020 04:35 pm
Operator : pest23:cw
Sample : L2005946-07,42e,,
Misc : wg1340369,wg1339677,ical16474
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 13:03:05 2020
Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 21:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

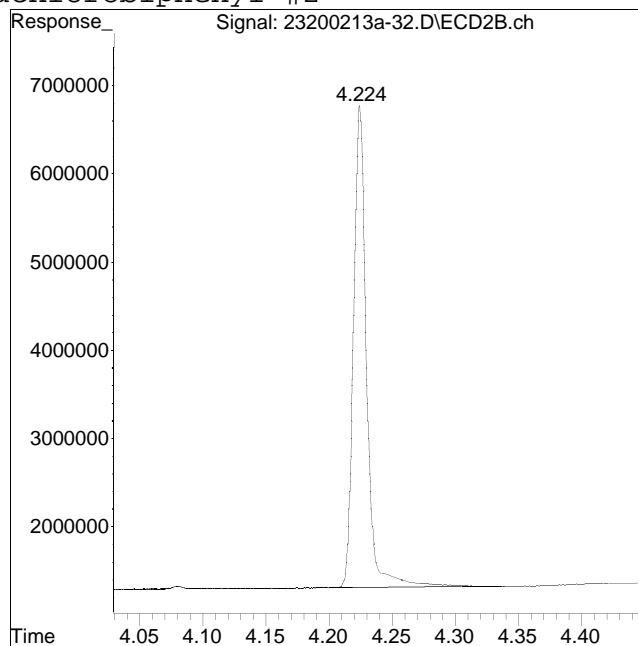
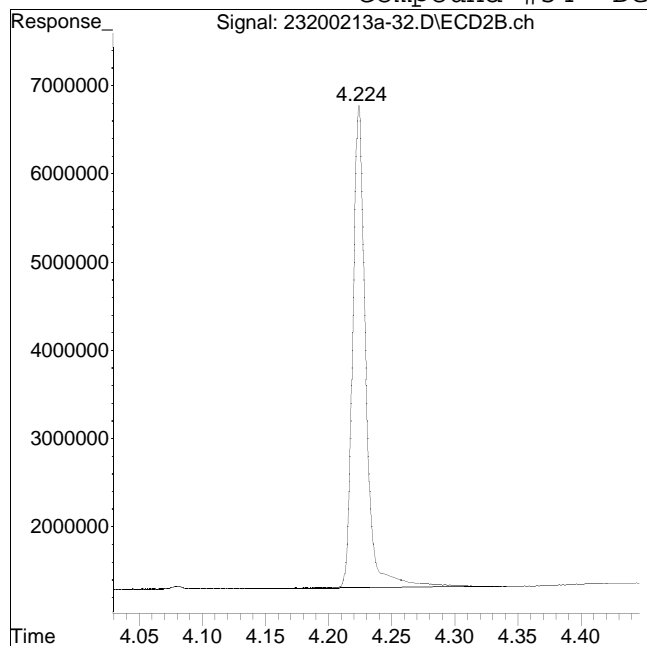
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-32.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:35 pm Instrument : Pest 23
Sample : L2005946-07,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 39482967

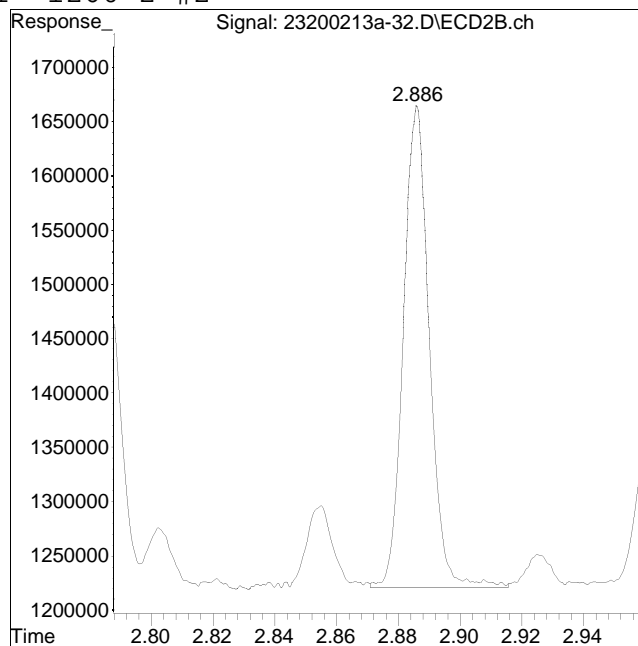
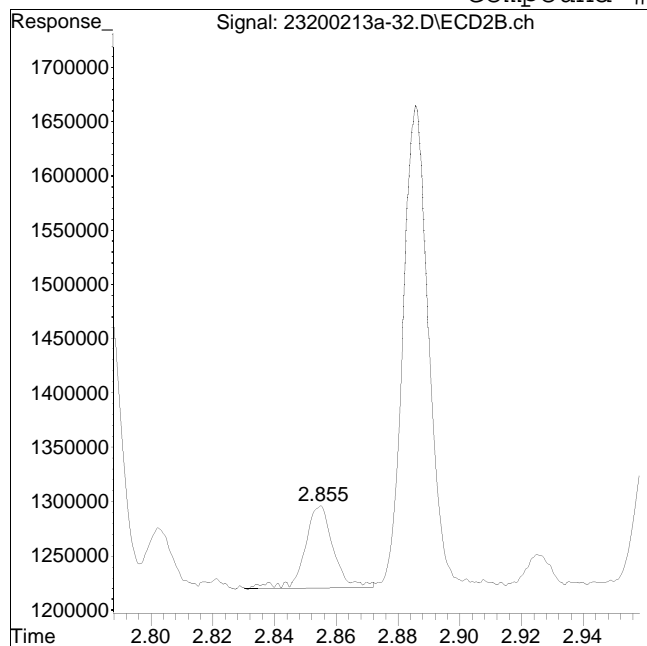
Manual Peak Response = 39255429 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-32.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:35 pm Instrument : Pest 23
Sample : L2005946-07,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #61: 1260-2 #2



Original Peak Response = 474044

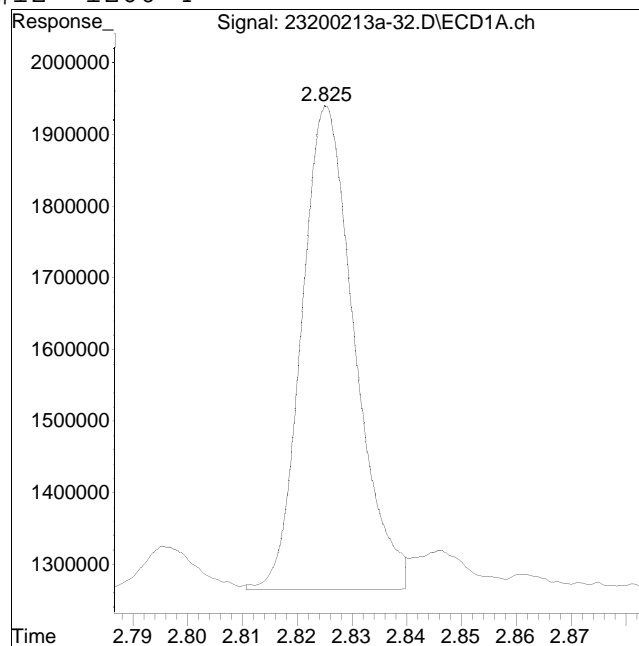
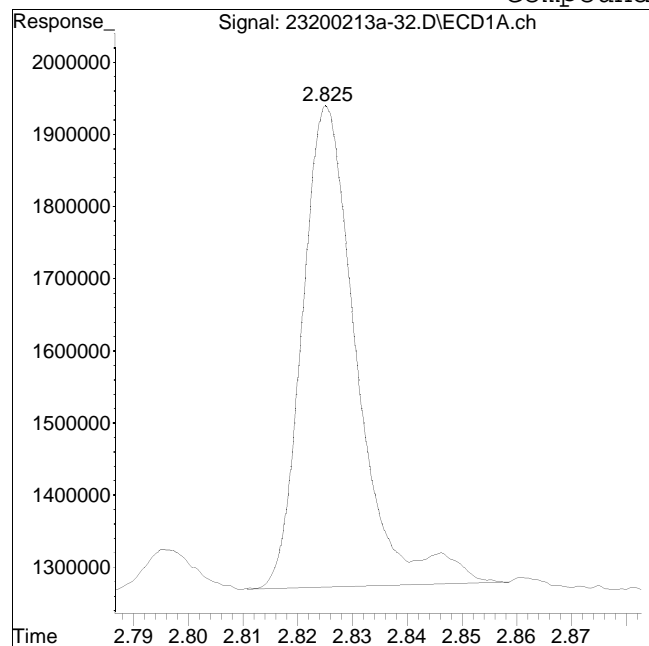
Manual Peak Response = 2577957 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-32.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:35 pm Instrument : Pest 23
Sample : L2005946-07,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #12: 1260-4



Original Peak Response = 4613737

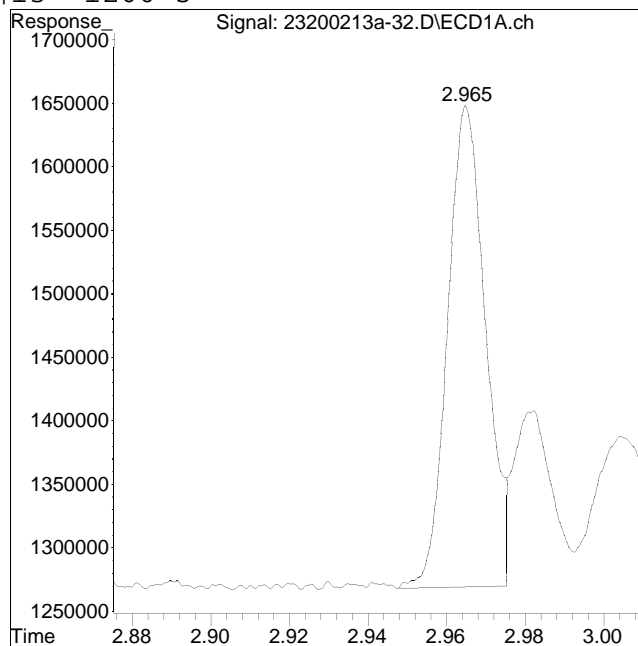
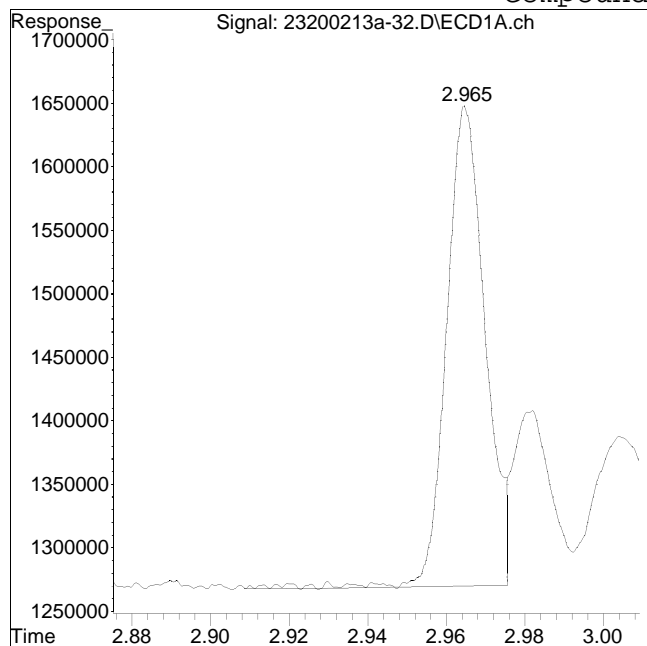
Manual Peak Response = 4508945 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-32.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:35 pm Instrument : Pest 23
Sample : L2005946-07,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #13: 1260-5



Original Peak Response = 2559353

Manual Peak Response = 2513139 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:49 pm
 Operator : pest23:cw
 Sample : L2005946-09,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:03:55 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.930	1.077	25787825	27236550	250.000	250.000
Standard Area 1 : #1 = 21191855					Recovery =	121.69%
Standard Area 1 : #2 = 22069319					Recovery =	123.41%
14) i 2154_1br2nb	0.930	1.077	25787825	27236550	250.000	250.000
23) i 4268_1br2nb	0.930	1.077	25787825	27236550	250.000	250.000
34) i 1248_1br2nb	0.930	1.077	25787825	27236550	250.000	250.000
40) i 3262_1br2nb	0.930	1.077	25787825	27236550	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.168	1.421	39955181	42397756	253.464	281.648
Spiked Amount 500.000	Range 30 - 150				Recovery =	50.69%
3) s Decachlorobi	3.528	4.224	32331977	32738842	298.867	240.982
Spiked Amount 500.000	Range 30 - 150				Recovery =	59.77%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.786	8815925	8525198	1129.877	1020.277
10) l2 1260-2	2.389	2.886	16154414	13245713	1356.071	1343.093
11) l2 1260-3	2.682	3.263	9542501	11877369	1293.540	1416.754
12) l2 1260-4	2.826	3.392	23073585	24161019	1462.268M2	1400.818
13) l2 1260-5	2.965	3.588	12911246	17117367	1534.954	1400.828
Sum 1260-1			70497670	74926665	6776.710	6581.771
Average 1260-1					1355.342	1316.354

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:49 pm
 Operator : pest23:cw
 Sample : L2005946-09,42e,,
 Misc : wgl340369,wgl339677,ical16474
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:03:55 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:49 pm
 Operator : pest23:cw
 Sample : L2005946-09,42e,,
 Misc : wgl1340369,wgl1339677,ical16474
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:03:55 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 04:49 pm
 Operator : pest23:cw
 Sample : L2005946-09,42e,,
 Misc : wgl340369,wgl339677,ical16474
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:03:55 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

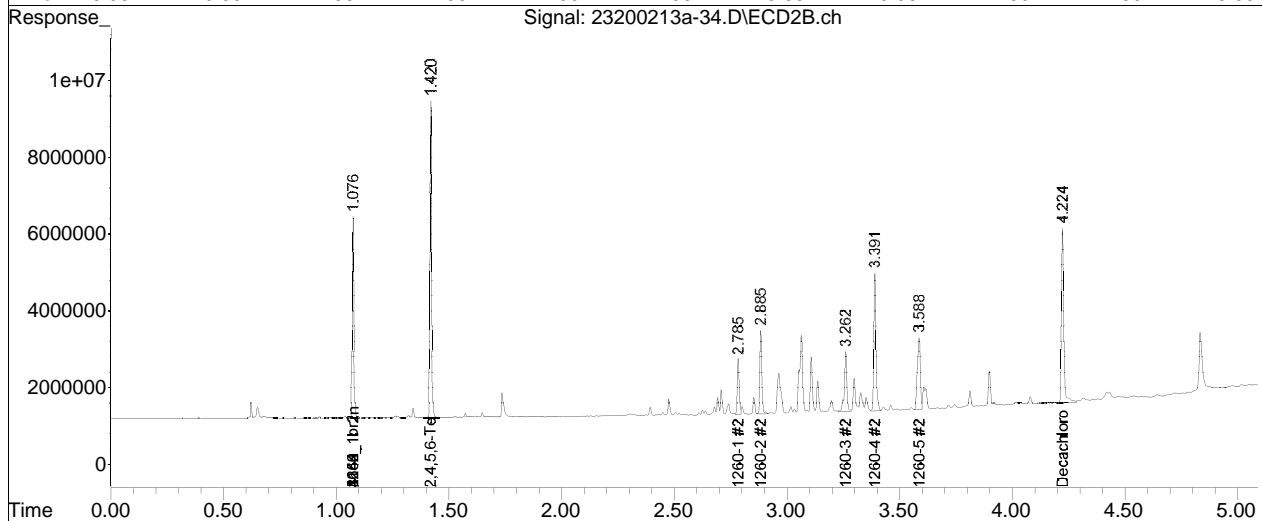
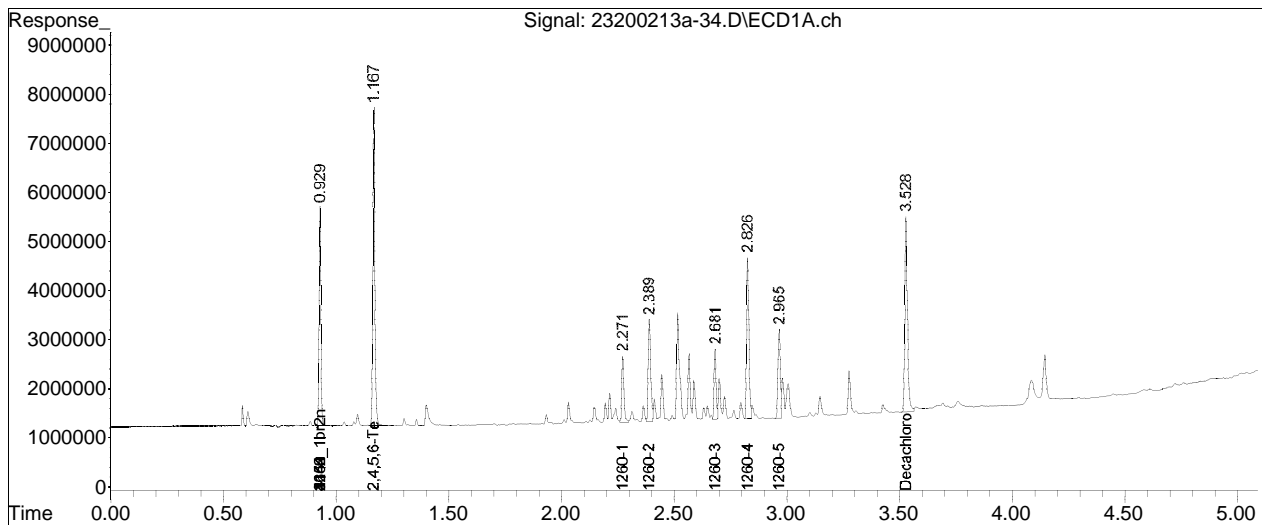
Sub List : Default - All compounds listed13a\23200213a-22.D••

Data Path : I:\Pest23\data\2020\23200213a\
Data File : 23200213a-34.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Feb 2020 04:49 pm
Operator : pest23:cw
Sample : L2005946-09,42e,,
Misc : wg1340369,wg1339677,ical16474
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 13:03:55 2020
Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 21:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

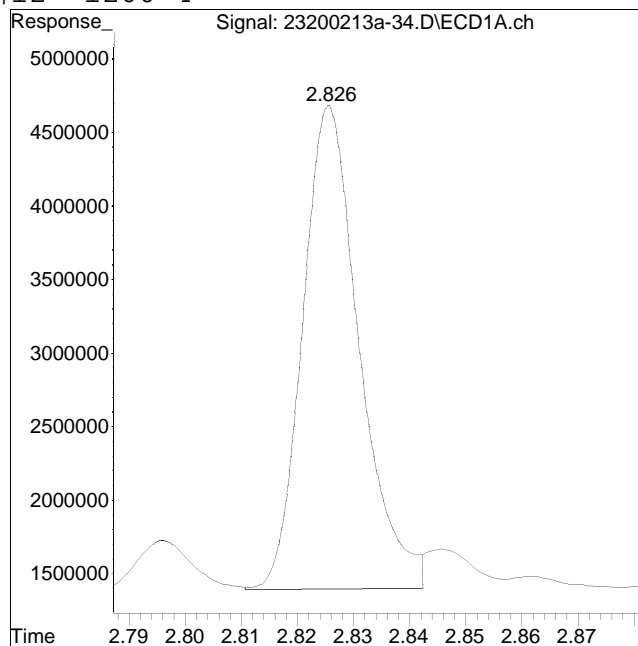
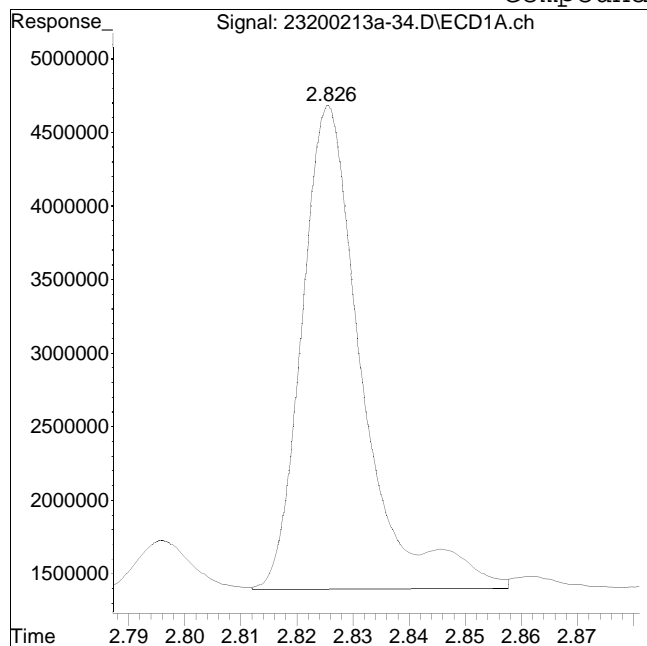
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-34.D Operator : pest23:cw
Date Inj'd : 2/13/2020 4:49 pm Instrument : Pest 23
Sample : L2005946-09,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #12: 1260-4



Original Peak Response = 24643530

Manual Peak Response = 23073585 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 07:53 pm
 Operator : pest23:cw
 Sample : L2005946-11d,42e,20,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:11:31 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.925	1.074	29868915	30760826	250.000	250.000
Standard Area 1 : #1 = 25262581					Recovery =	118.23%
Standard Area 1 : #2 = 26214179					Recovery =	117.34%
14) i 2154_1br2nb	0.925	1.074	29868915	30760826	250.000	250.000
23) i 4268_1br2nb	0.925	1.074	29868915	30760826	250.000	250.000
34) i 1248_1br2nb	0.925	1.074	29868915	30760826	250.000	250.000
40) i 3262_1br2nb	0.925	1.074	29868915	30760826	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.788	29325650	30612855	3244.936M3	3243.932M3
10) l2 1260-2	2.388	2.887	56141622	47265875	4068.848M3	4243.581M3
11) l2 1260-3	2.681	3.264	33589700	40541818	3931.144M3	4281.851M3
12) l2 1260-4	2.826	3.393	81306406	87602062	4448.689M3	4497.126M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 07:53 pm
 Operator : pest23:cw
 Sample : L2005946-11d,42e,20,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:11:31 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) 12	1260-5	2.965	3.590	45514661	62322448	4671.689M3	4515.923M3
	Sum 1260-1			245.9E6	268.3E6	20365.306	20782.412
	Average 1260-1					4073.061	4156.482
15) 13	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 07:53 pm
 Operator : pest23:cw
 Sample : L2005946-11d,42e,20,
 Misc : wgl340958,wgl339677,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:11:31 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D.
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 07:53 pm
 Operator : pest23:cw
 Sample : L2005946-11d,42e,20,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:11:31 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

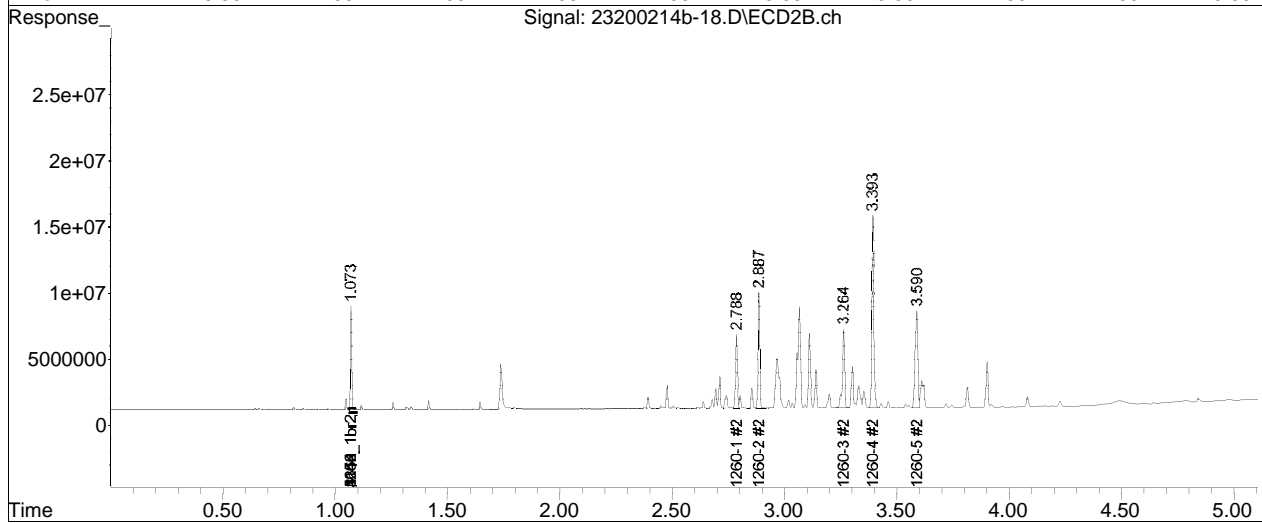
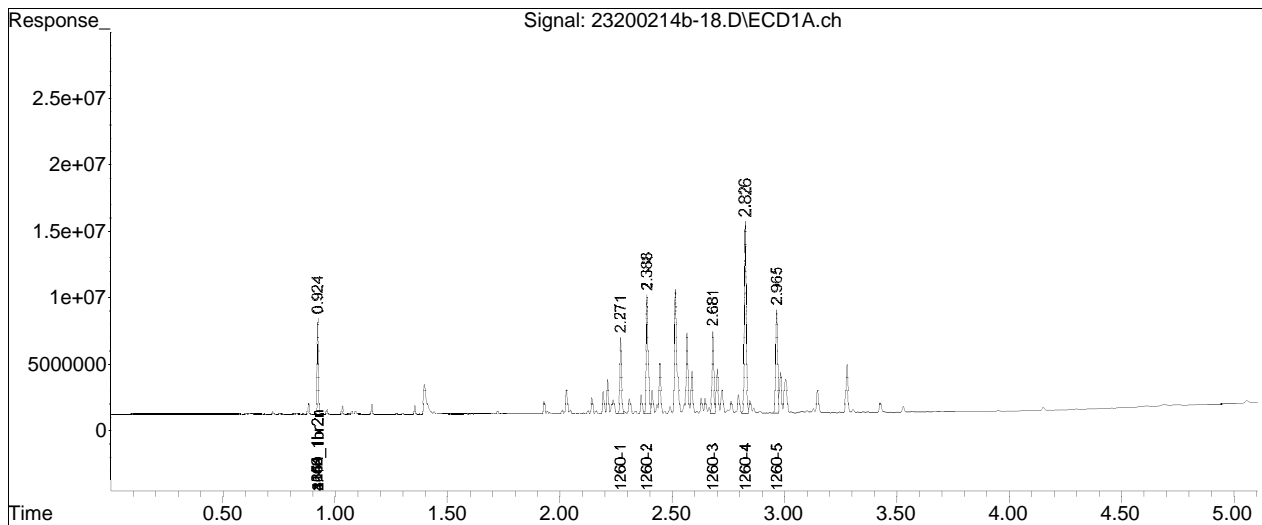
Sub List : Default - All compounds listed14b\23200214b-02.D••

Data Path : I:\Pest23\data\2020\23200214b\
Data File : 23200214b-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 07:53 pm
Operator : pest23:cw
Sample : L2005946-11d,42e,20,
Misc : wg1340958,wg1339677,ical16474
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 13:11:31 2020
Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 21:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

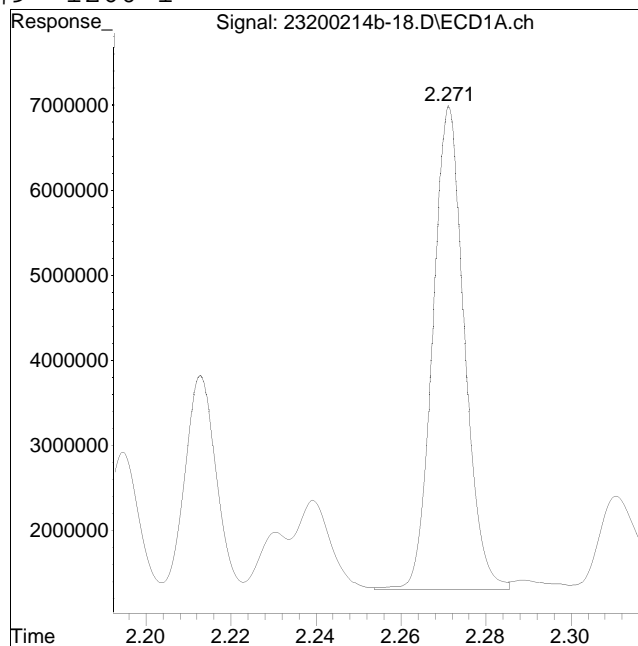
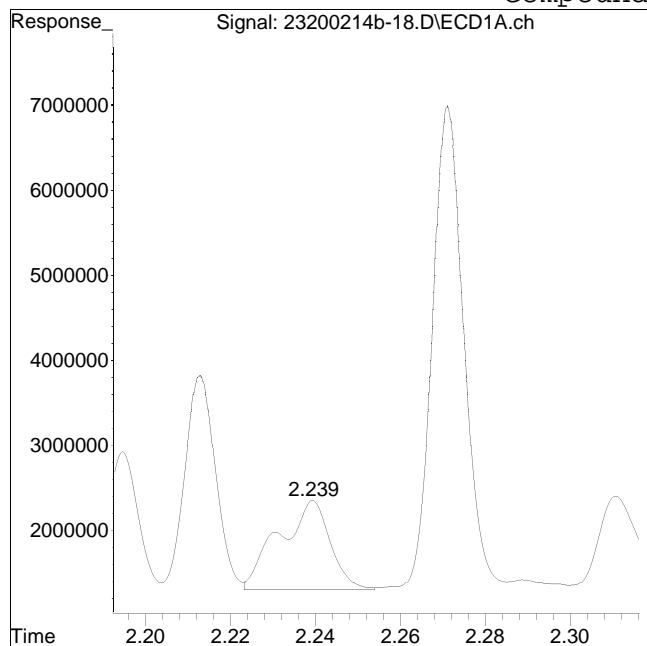
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-18.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:53 pm Instrument : Pest 23
Sample : L2005946-11d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #9: 1260-1



Original Peak Response = 8815952

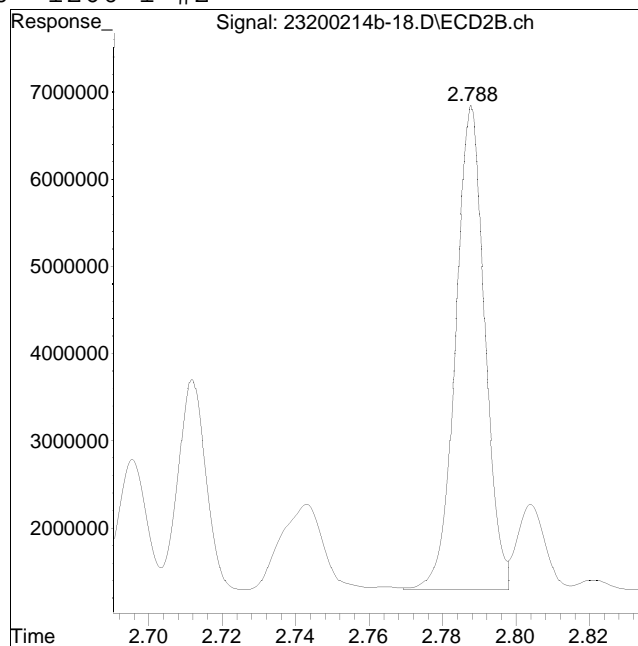
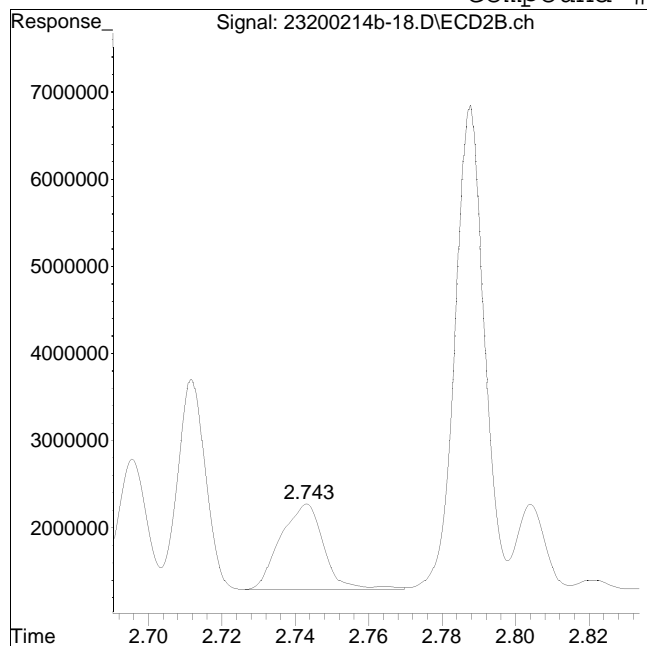
Manual Peak Response = 29325650 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-18.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:53 pm Instrument : Pest 23
Sample : L2005946-11d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #60: 1260-1 #2



Original Peak Response = 8053826

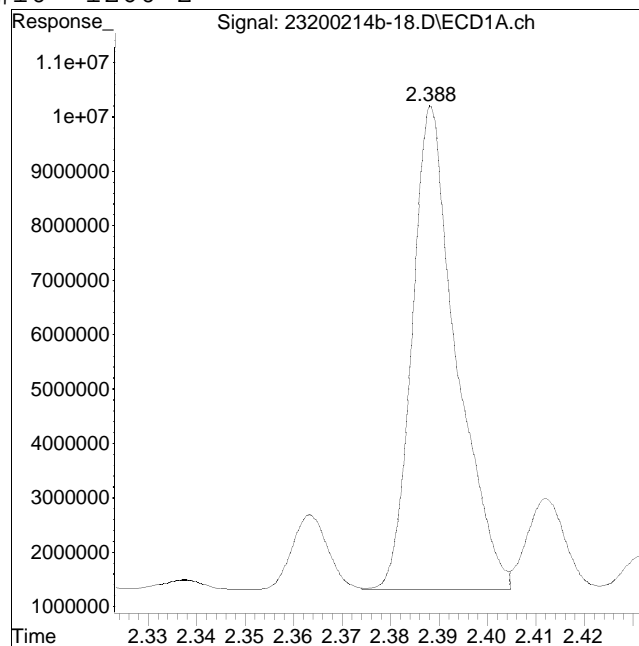
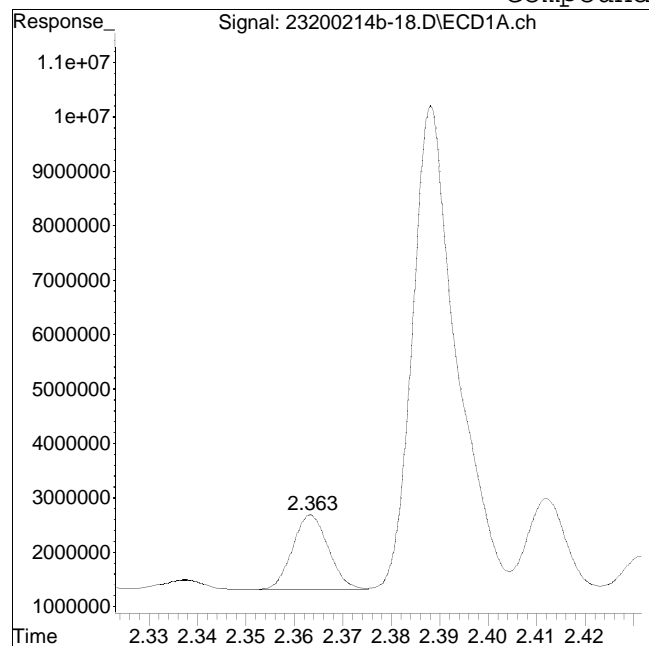
Manual Peak Response = 30612855 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-18.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:53 pm Instrument : Pest 23
Sample : L2005946-11d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #10: 1260-2



Original Peak Response = 7077590

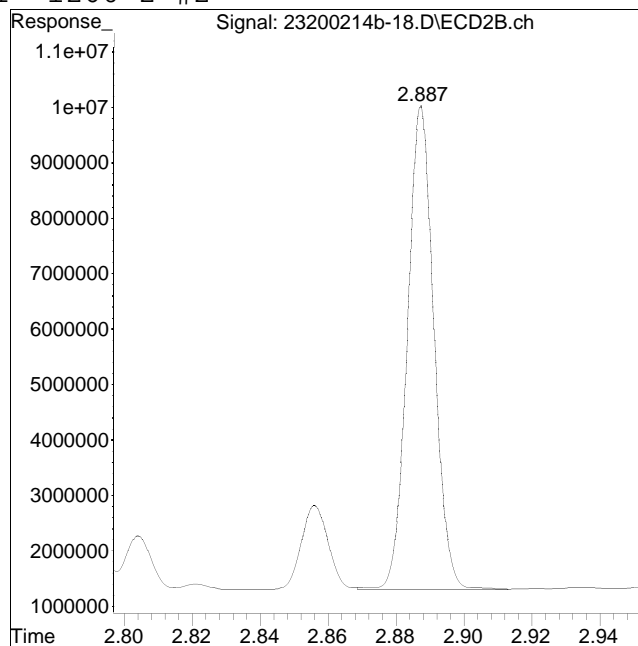
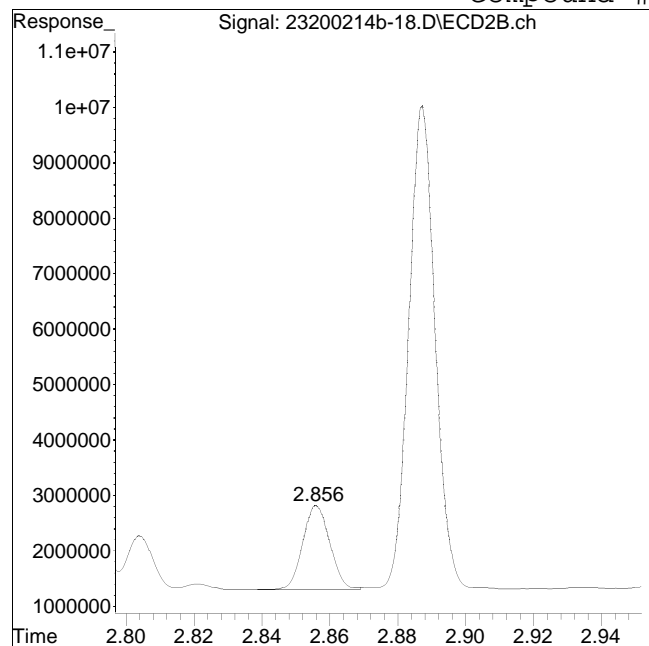
Manual Peak Response = 56141622 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-18.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:53 pm Instrument : Pest 23
Sample : L2005946-11d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #61: 1260-2 #2



Original Peak Response = 8398882

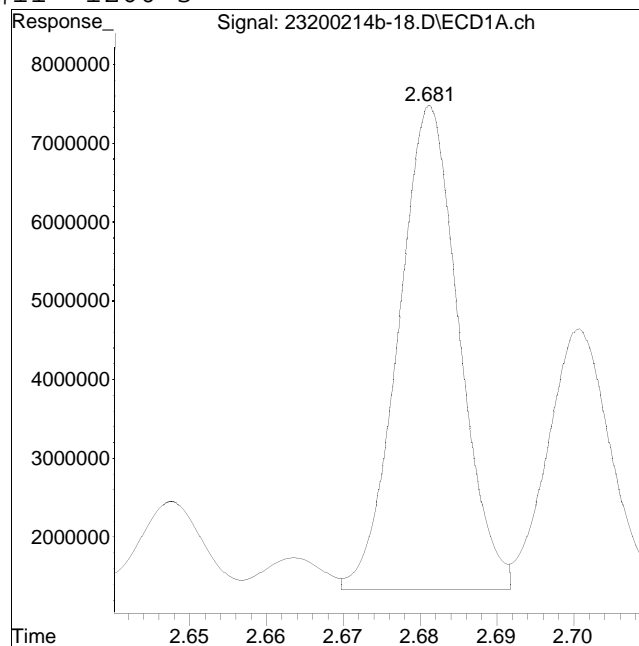
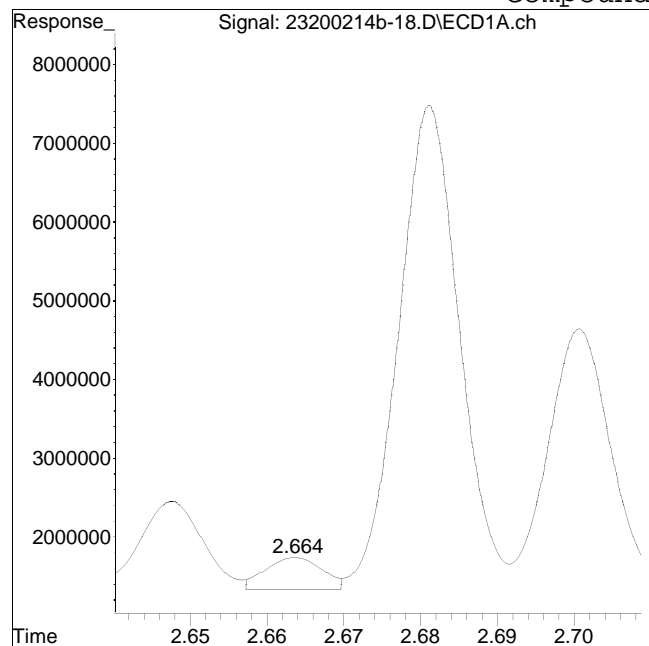
Manual Peak Response = 47265875 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-18.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:53 pm Instrument : Pest 23
Sample : L2005946-11d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #11: 1260-3



Original Peak Response = 2089587

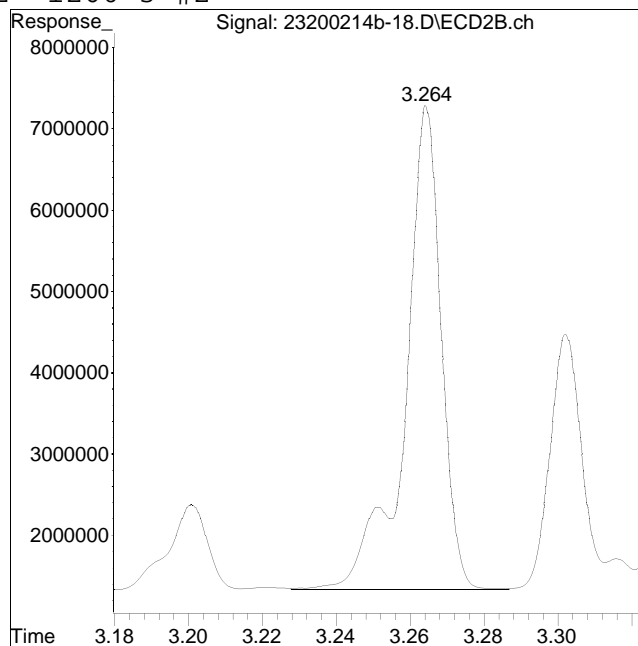
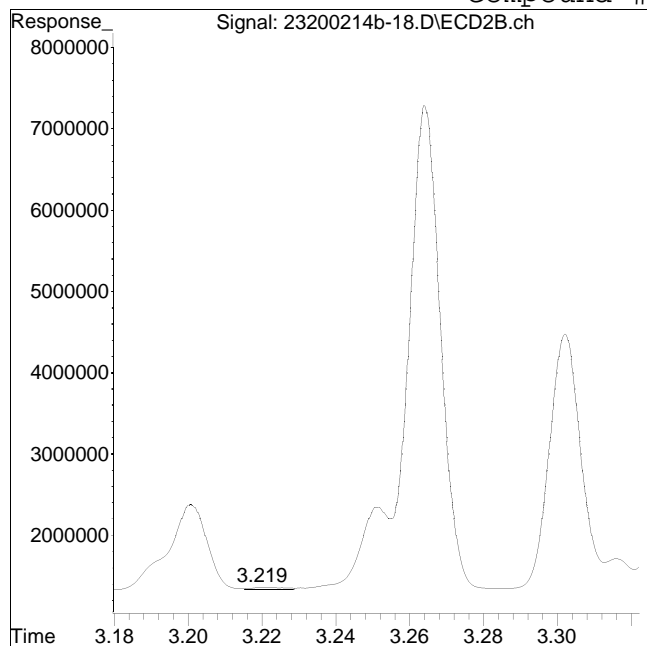
Manual Peak Response = 33589700 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-18.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:53 pm Instrument : Pest 23
Sample : L2005946-11d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #62: 1260-3 #2



Original Peak Response = 229757

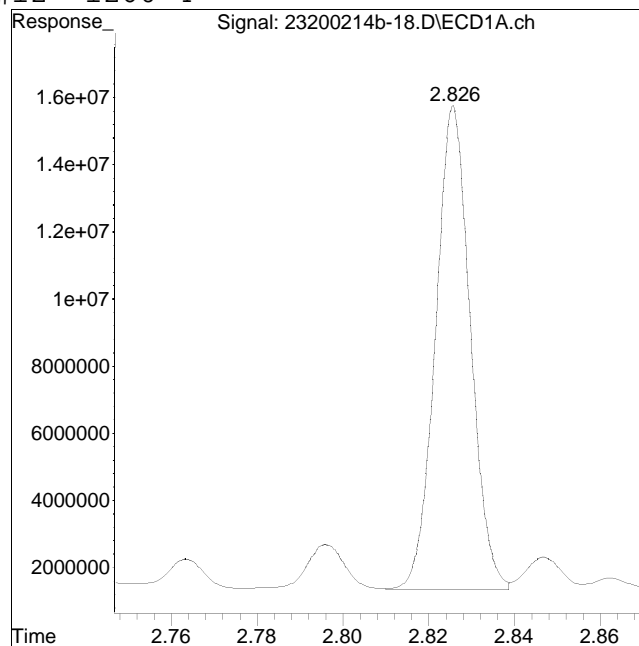
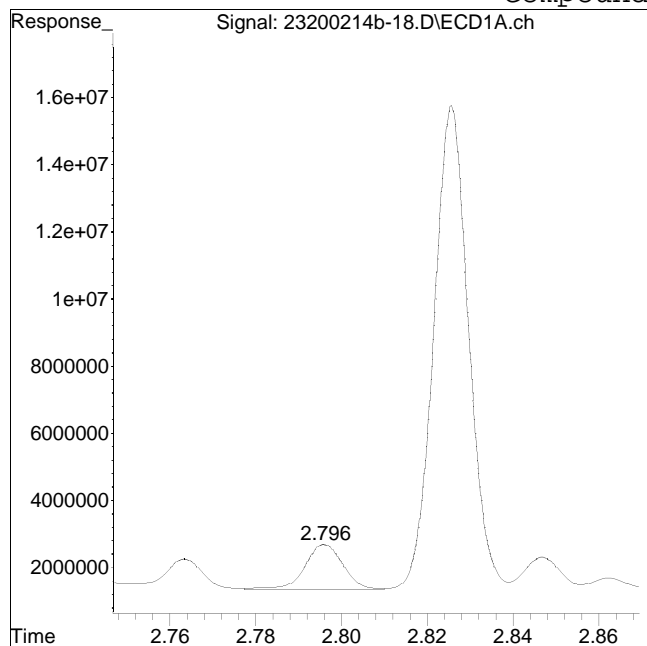
Manual Peak Response = 40541818 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-18.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:53 pm Instrument : Pest 23
Sample : L2005946-11d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #12: 1260-4



Original Peak Response = 8499078

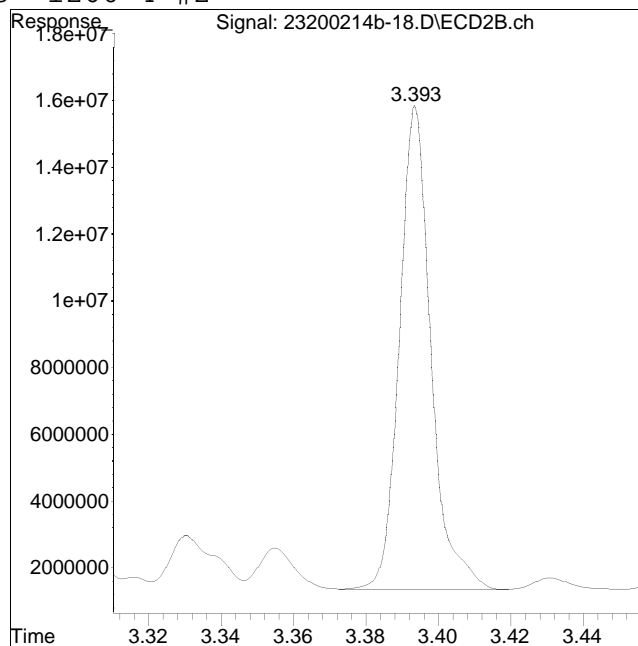
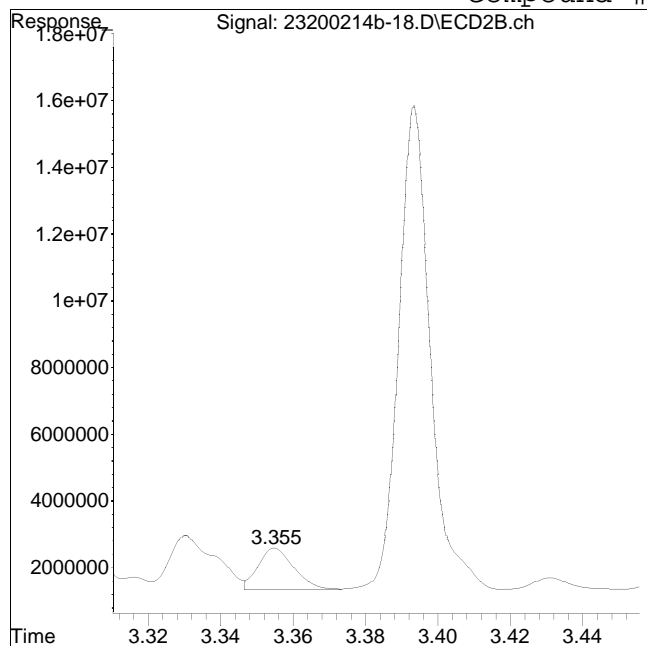
Manual Peak Response = 81306406 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-18.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:53 pm Instrument : Pest 23
Sample : L2005946-11d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #63: 1260-4 #2



Original Peak Response = 8596362

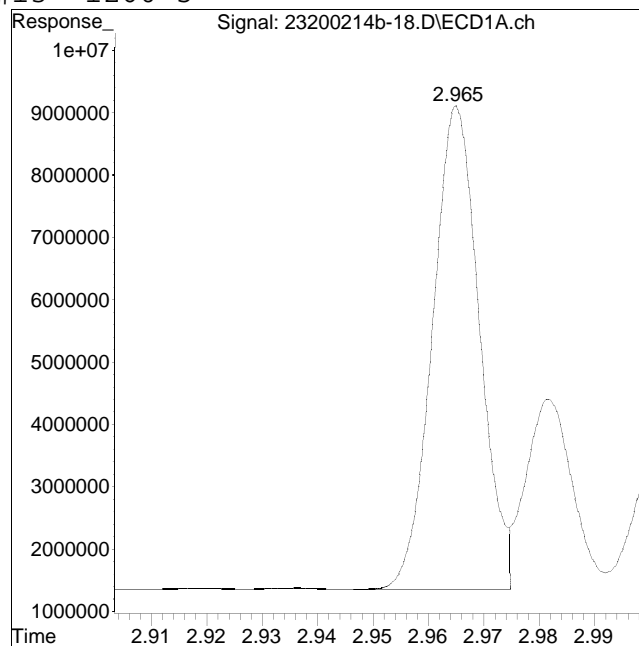
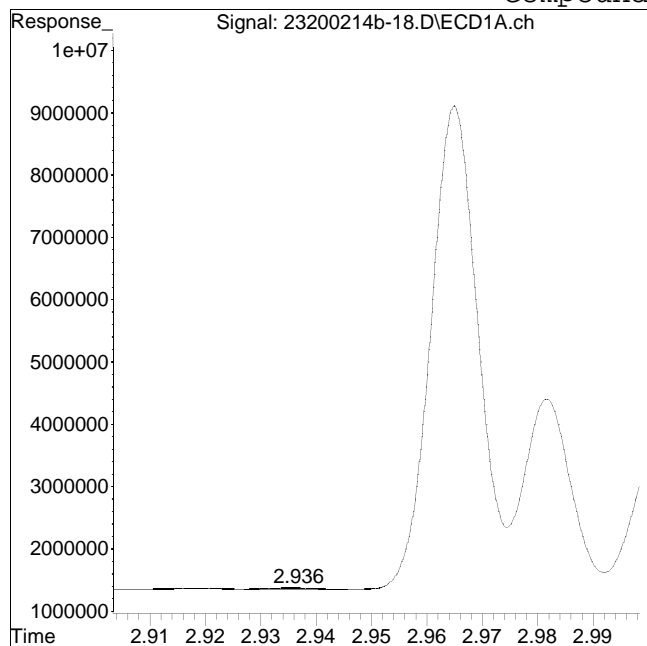
Manual Peak Response = 87602062 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-18.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:53 pm Instrument : Pest 23
Sample : L2005946-11d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #13: 1260-5



Original Peak Response = 190796

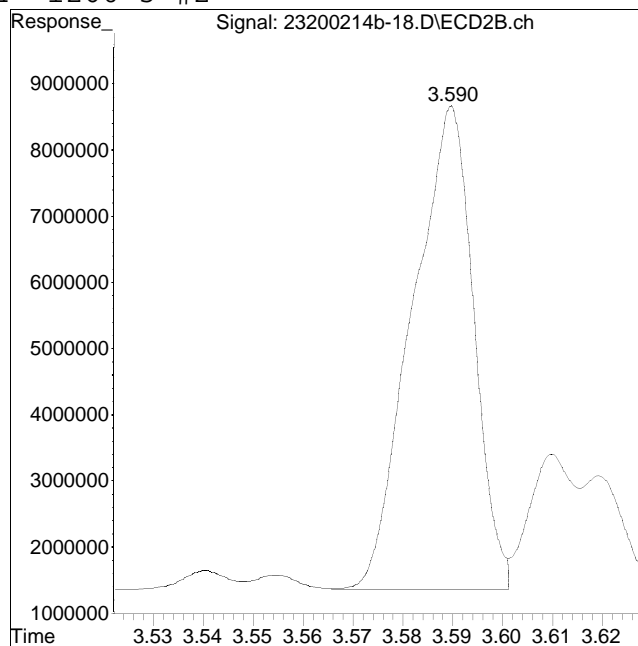
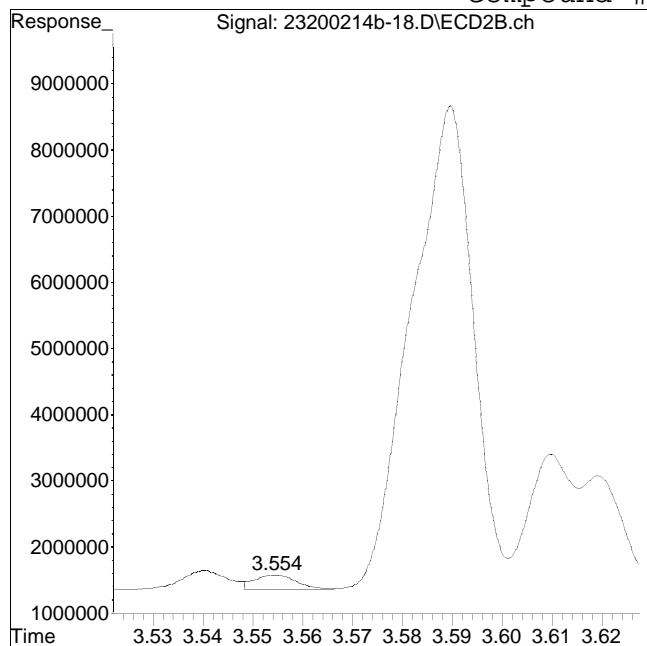
Manual Peak Response = 45514661 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-18.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:53 pm Instrument : Pest 23
Sample : L2005946-11d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #64: 1260-5 #2



Original Peak Response = 1289448

Manual Peak Response = 62322448 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 07:59 pm
 Operator : pest23:cw
 Sample : L2005946-12d,42e,5,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:13:59 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.074	28315108	29200191	250.000M4	250.000
Standard Area 1 : #1 = 25262581					Recovery = 112.08%	
Standard Area 1 : #2 = 26214179					Recovery = 111.39%	
14) i 2154_1br2nb	0.924	1.074	28315108	29200191	250.000M4	250.000
23) i 4268_1br2nb	0.924	1.074	28315108	29200191	250.000M4	250.000
34) i 1248_1br2nb	0.924	1.074	28315108	29200191	250.000M4	250.000
40) i 3262_1br2nb	0.924	1.074	28315108	29200191	250.000M4	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.419	8918724	8628039	51.528	53.462
Spiked Amount 500.000	Range 30 - 150				Recovery = 10.31%#	10.69%#
3) s Decachlorobi	3.528	4.226	7881653	7698651	57.113	52.857M3
Spiked Amount 500.000	Range 30 - 150				Recovery = 11.42%#	10.57%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.787	37628921	39366616	4392.194M3	4394.488M3
10) l2 1260-2	2.388	2.888	69191407	59255530	5289.808M3	5604.360M3
11) l2 1260-3	2.681	3.264	41725734	50496246	5151.314M3	5618.233M3
12) l2 1260-4	2.825	3.393	103.3E6	110.2E6	5959.721M3	5961.423M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 07:59 pm
 Operator : pest23:cw
 Sample : L2005946-12d,42e,5,
 Misc : wgl340958,wgl339677,ical16474
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:13:59 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) 12	1260-5	2.965	3.590	56495892	77438221	6117.031M3	5911.119M3
	Sum 1260-1			308.3E6	336.8E6	26910.068	27489.622
	Average 1260-1					5382.014	5497.924
15) 13	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 07:59 pm
 Operator : pest23:cw
 Sample : L2005946-12d,42e,5,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:13:59 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D.
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 07:59 pm
 Operator : pest23:cw
 Sample : L2005946-12d,42e,5,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:13:59 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

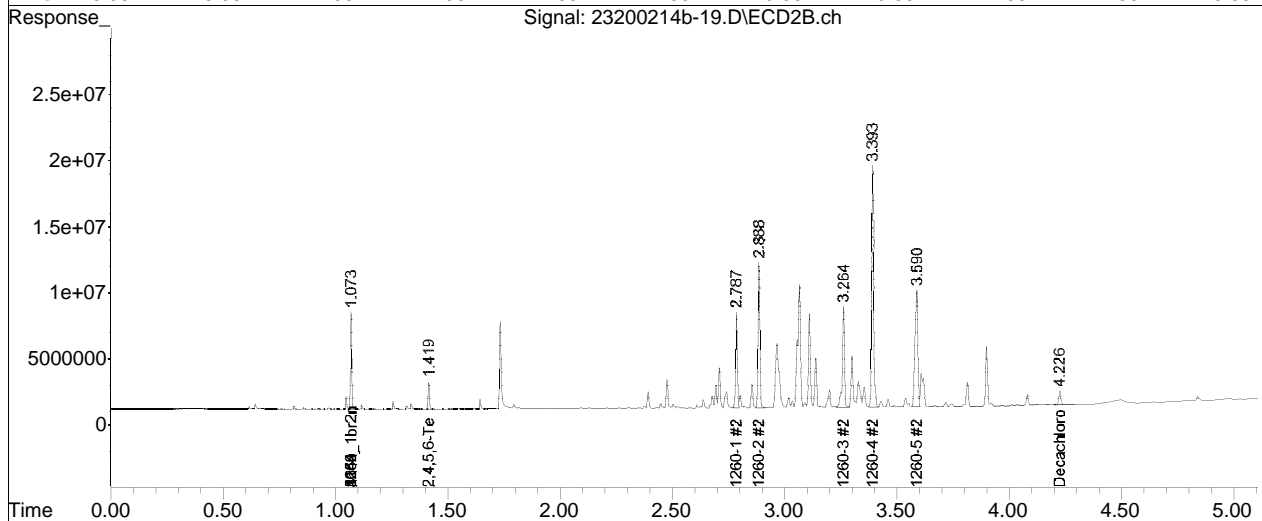
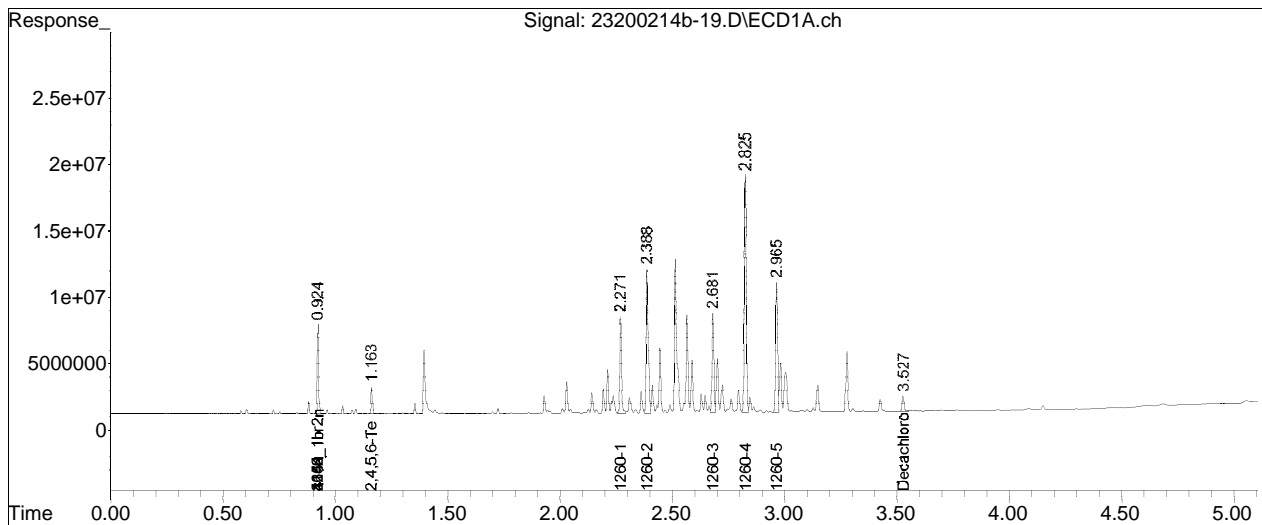
Sub List : Default - All compounds listed14b\23200214b-02.D••

Data Path : I:\Pest23\data\2020\23200214b\
Data File : 23200214b-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 07:59 pm
Operator : pest23:cw
Sample : L2005946-12d,42e,5,
Misc : wg1340958,wg1339677,ical16474
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 13:13:59 2020
Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Thu Feb 13 21:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

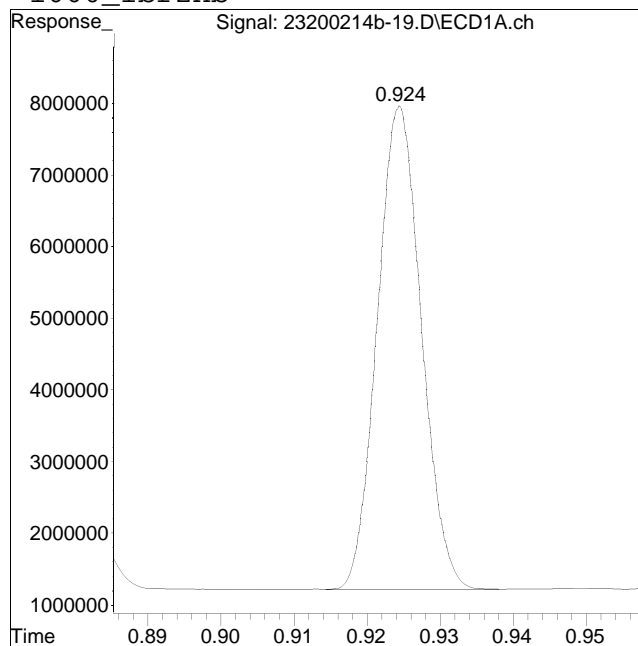
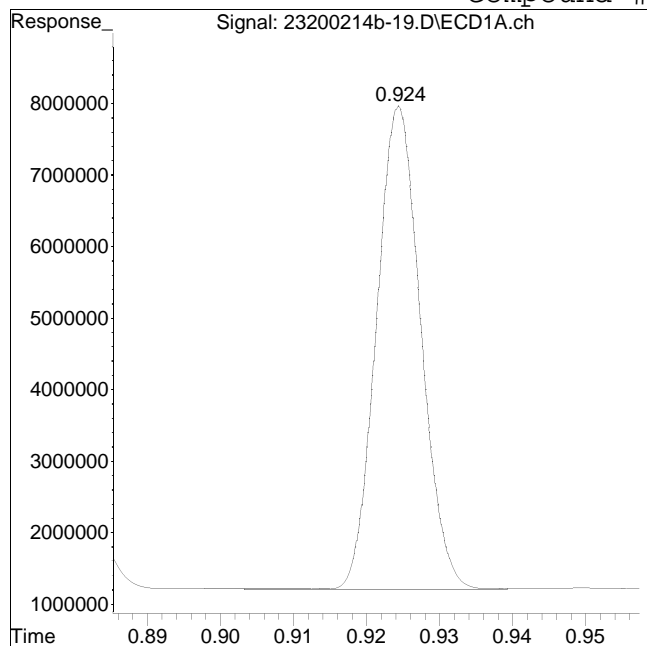
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-19.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:59 pm Instrument : Pest 23
Sample : L2005946-12d,42e,5, Quant Date : 2/16/2020 1:08 pm

Compound #1: 1660_1br2nb



Original Peak Response = 28588093

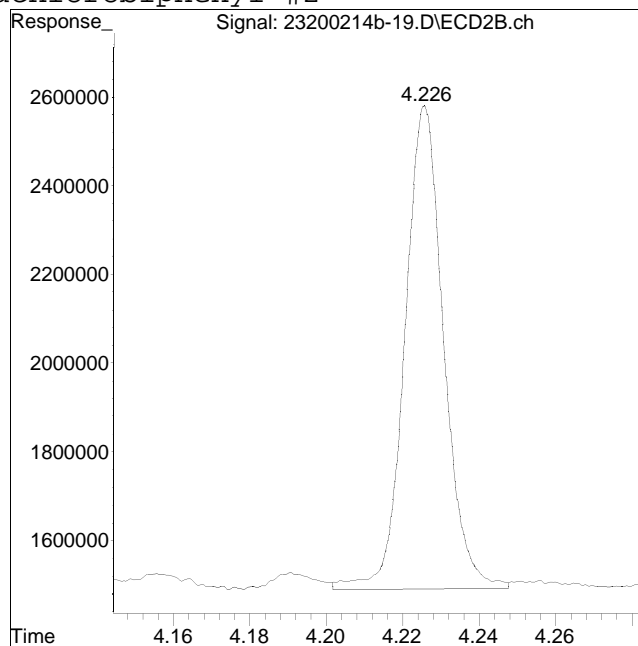
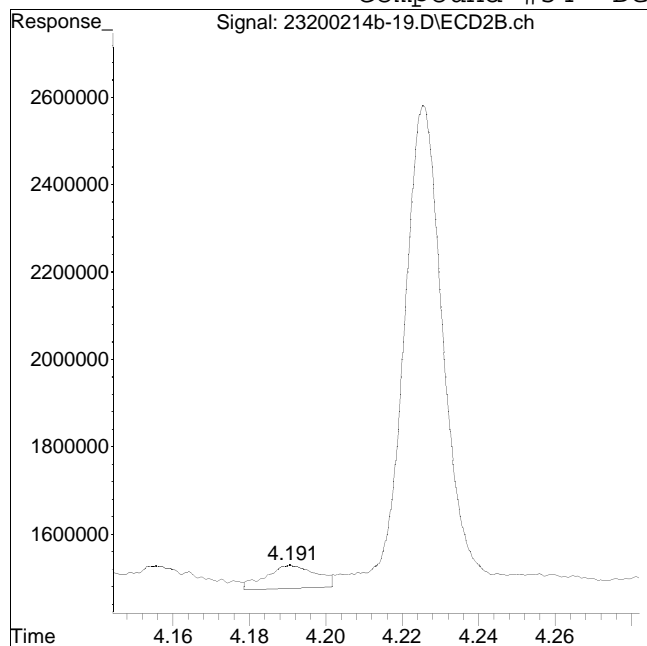
Manual Peak Response = 28315108 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-19.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:59 pm Instrument : Pest 23
Sample : L2005946-12d,42e,5, Quant Date : 2/16/2020 1:08 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 492552

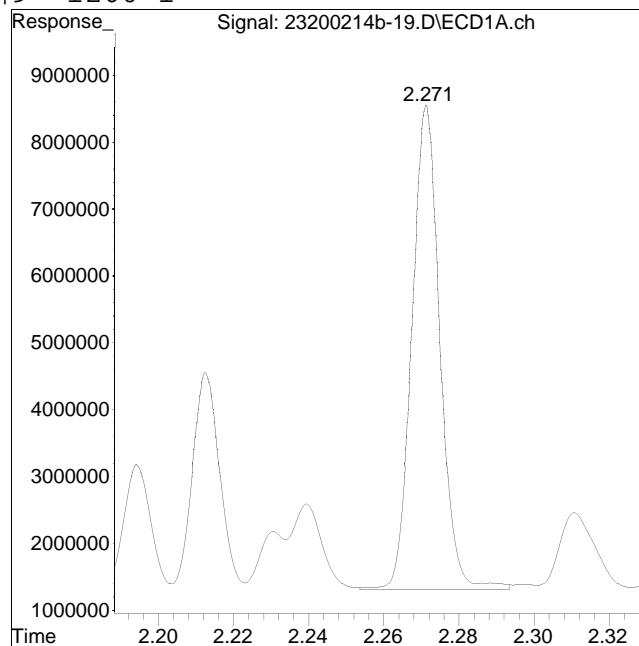
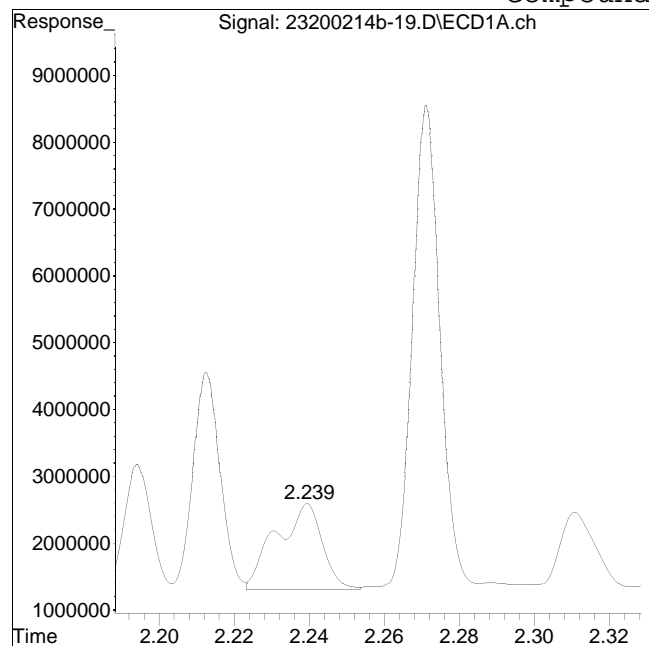
Manual Peak Response = 7698651 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-19.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:59 pm Instrument : Pest 23
Sample : L2005946-12d,42e,5, Quant Date : 2/16/2020 1:08 pm

Compound #9: 1260-1



Original Peak Response = 11139049

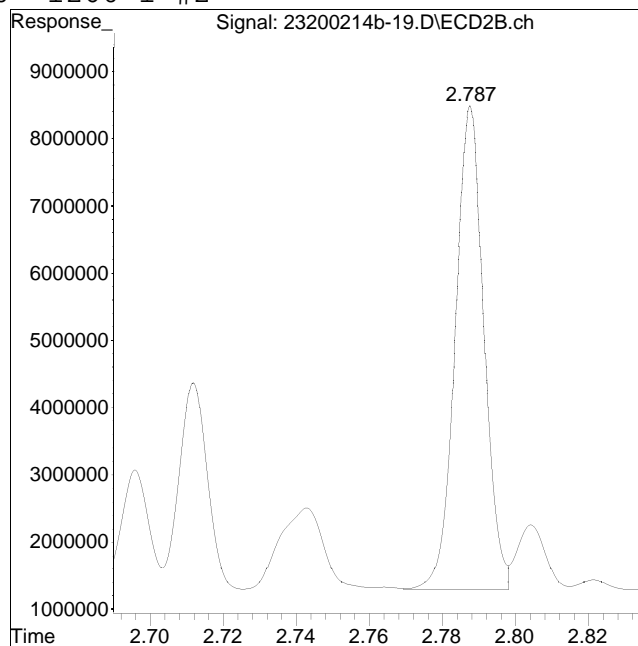
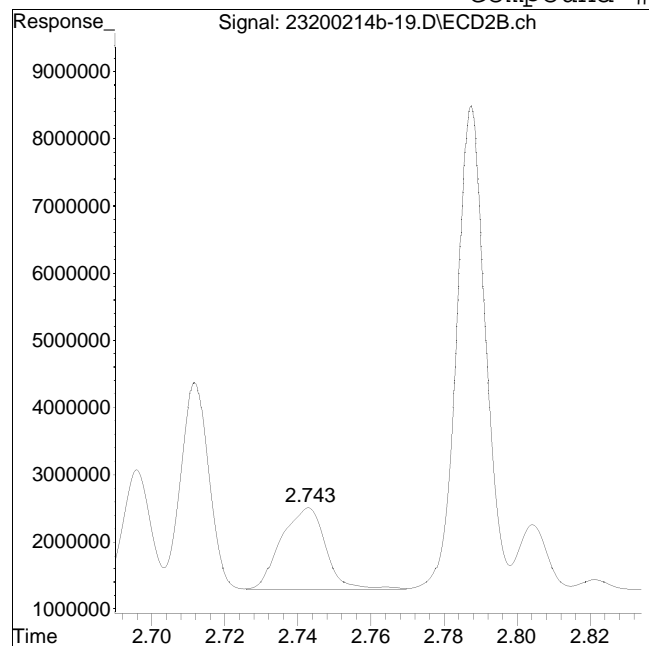
Manual Peak Response = 37628921 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-19.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:59 pm Instrument : Pest 23
Sample : L2005946-12d,42e,5, Quant Date : 2/16/2020 1:08 pm

Compound #60: 1260-1 #2



Original Peak Response = 10485794

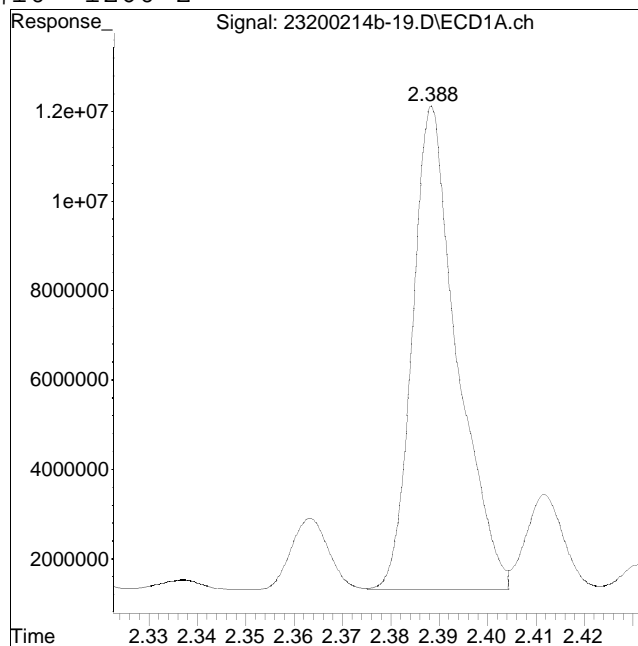
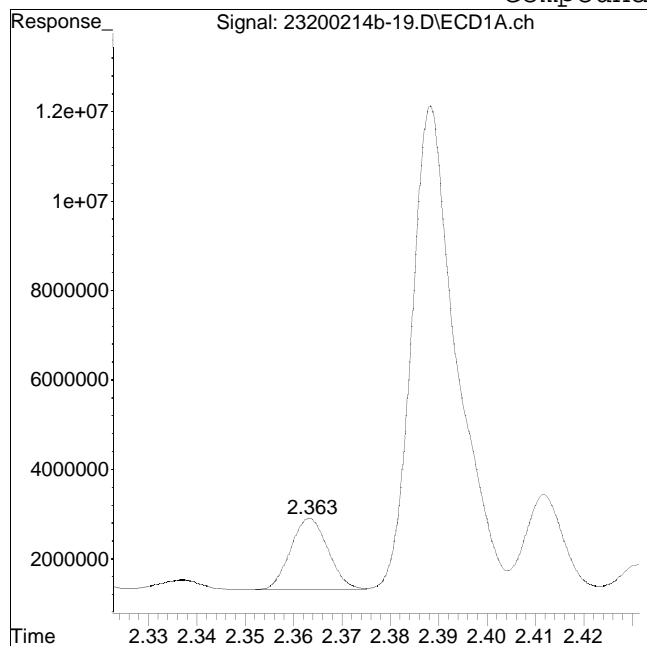
Manual Peak Response = 39366616 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-19.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:59 pm Instrument : Pest 23
Sample : L2005946-12d,42e,5, Quant Date : 2/16/2020 1:08 pm

Compound #10: 1260-2



Original Peak Response = 8609405

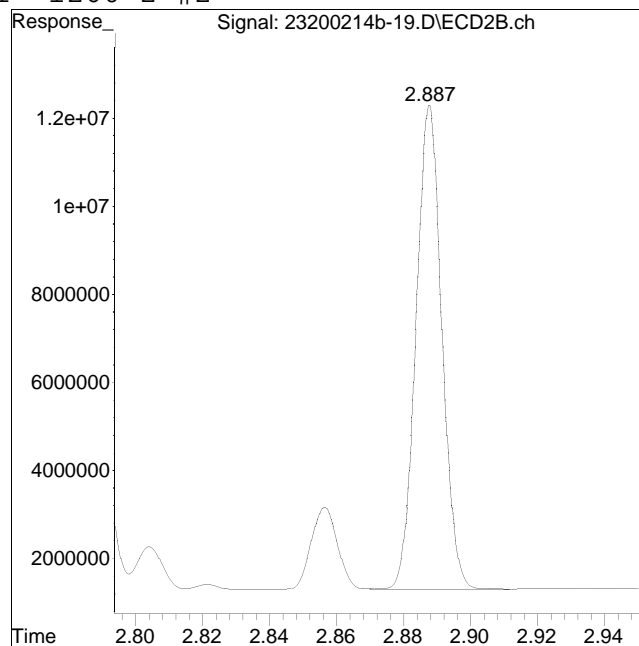
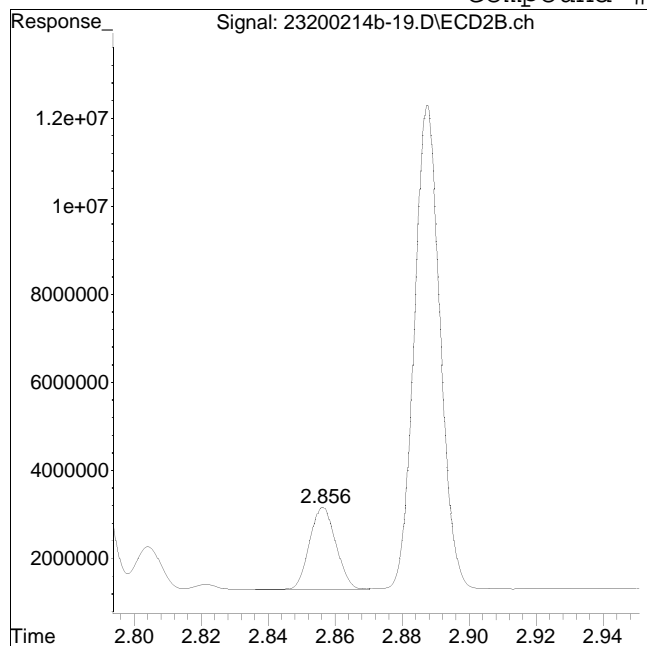
Manual Peak Response = 69191407 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-19.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:59 pm Instrument : Pest 23
Sample : L2005946-12d,42e,5, Quant Date : 2/16/2020 1:08 pm

Compound #61: 1260-2 #2



Original Peak Response = 10425104

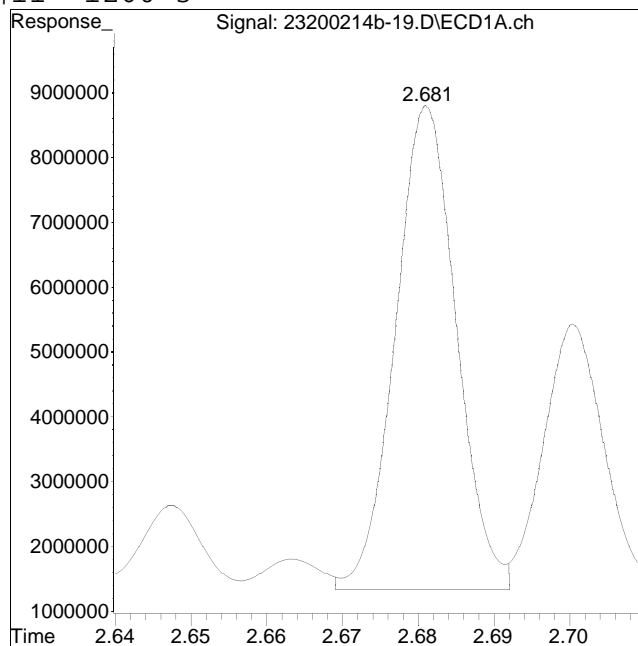
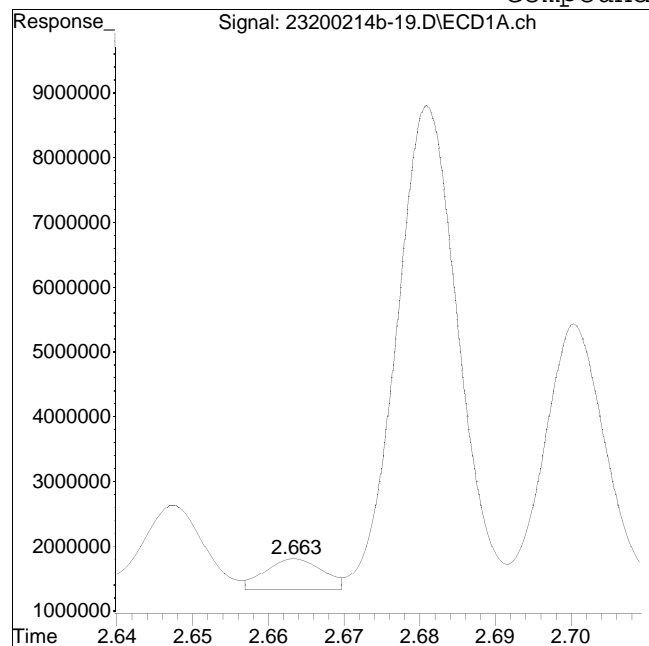
Manual Peak Response = 59255530 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-19.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:59 pm Instrument : Pest 23
Sample : L2005946-12d,42e,5, Quant Date : 2/16/2020 1:08 pm

Compound #11: 1260-3



Original Peak Response = 2488614

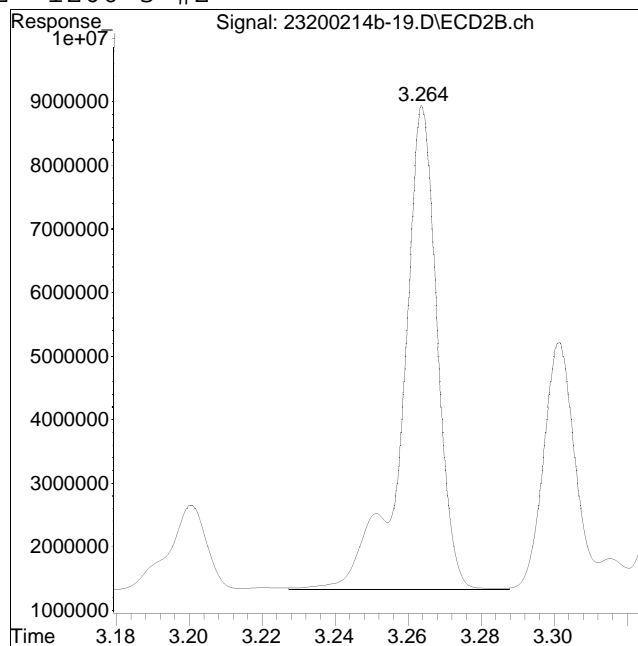
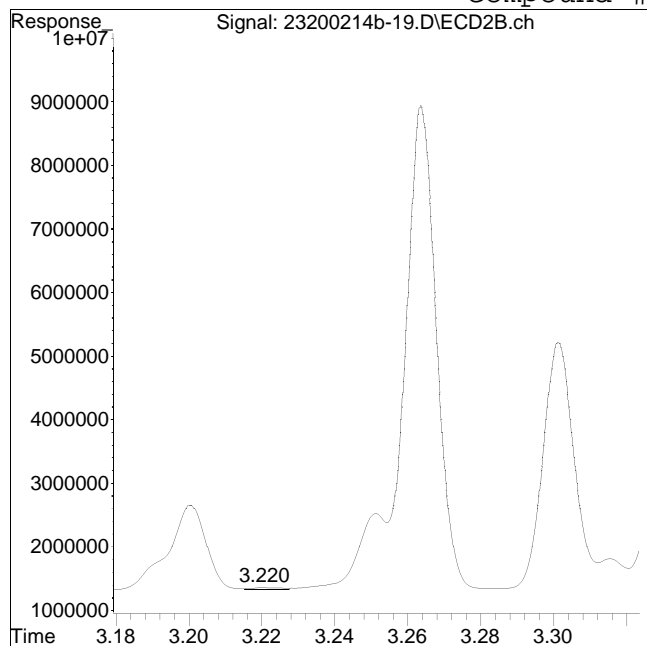
Manual Peak Response = 41725734 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-19.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:59 pm Instrument : Pest 23
Sample : L2005946-12d,42e,5, Quant Date : 2/16/2020 1:08 pm

Compound #62: 1260-3 #2



Original Peak Response = 251690

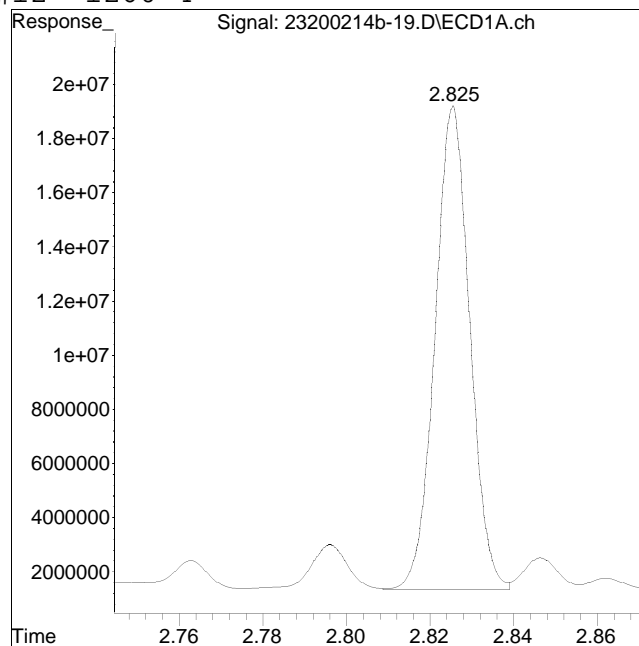
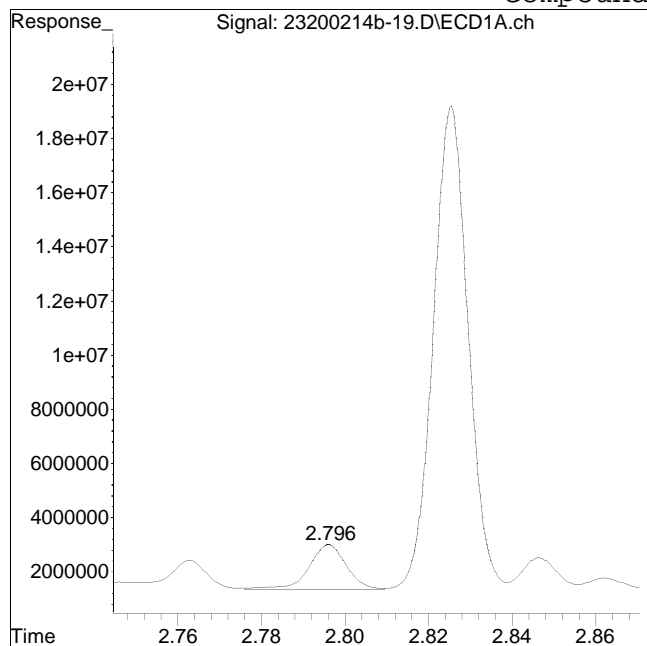
Manual Peak Response = 50496246 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-19.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:59 pm Instrument : Pest 23
Sample : L2005946-12d,42e,5, Quant Date : 2/16/2020 1:08 pm

Compound #12: 1260-4



Original Peak Response = 10473045

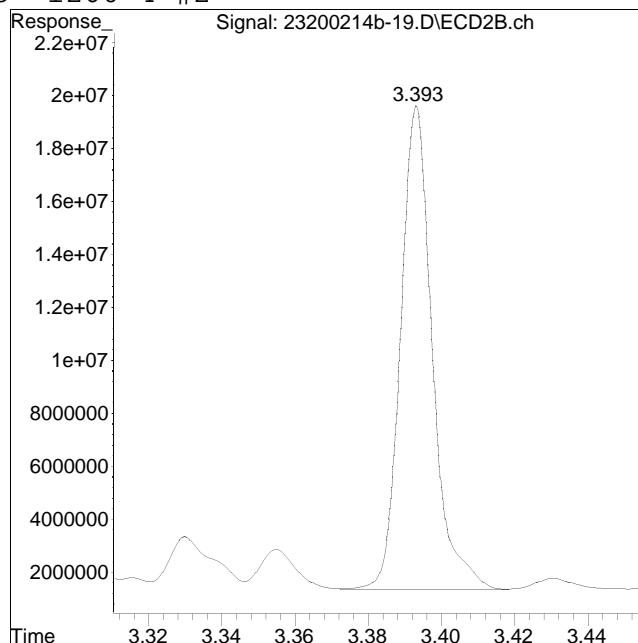
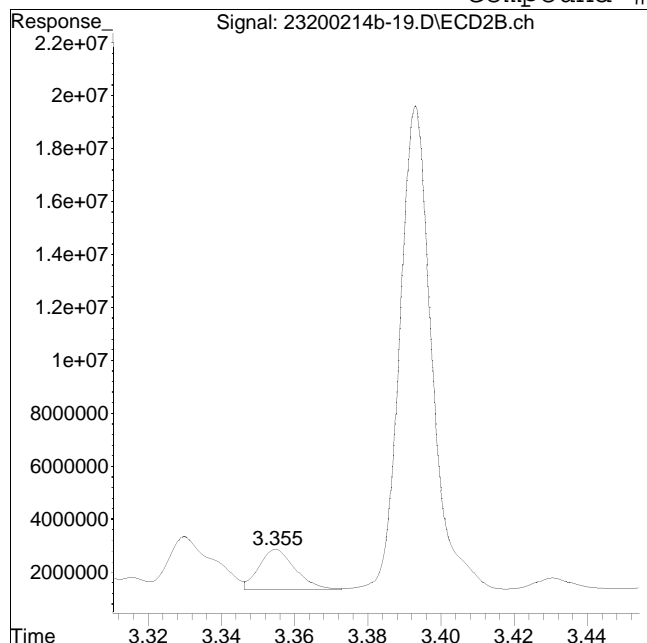
Manual Peak Response = 103256506 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-19.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:59 pm Instrument : Pest 23
Sample : L2005946-12d,42e,5, Quant Date : 2/16/2020 1:08 pm

Compound #63: 1260-4 #2



Original Peak Response = 10727808

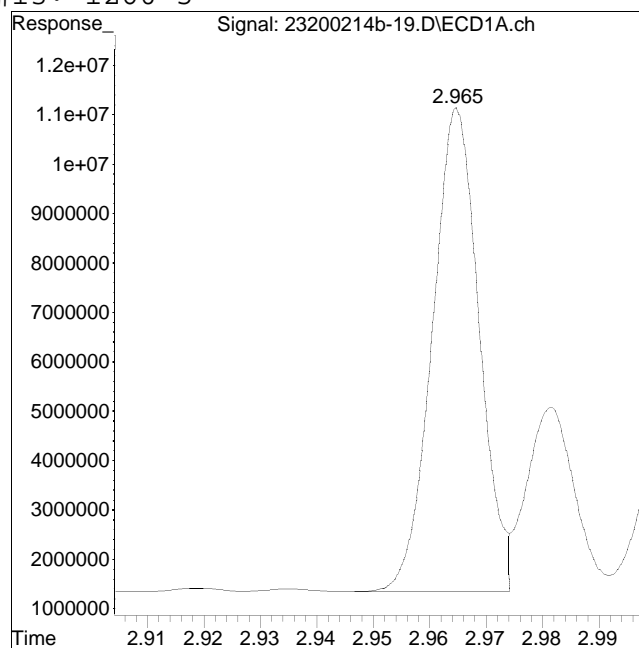
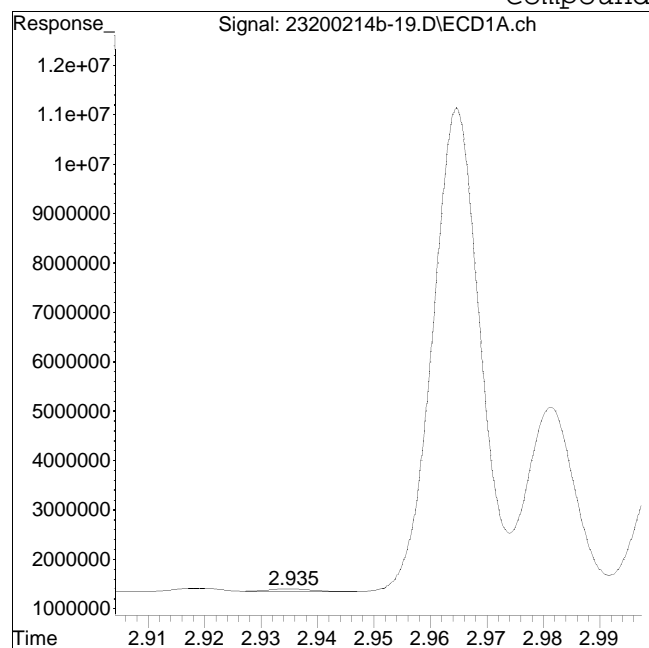
Manual Peak Response = 110234347 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-19.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:59 pm Instrument : Pest 23
Sample : L2005946-12d,42e,5, Quant Date : 2/16/2020 1:08 pm

Compound #13: 1260-5



Original Peak Response = 291501

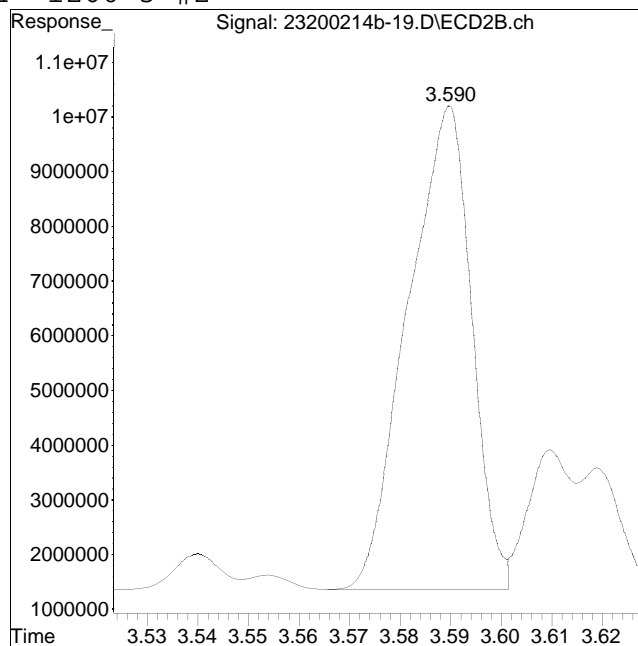
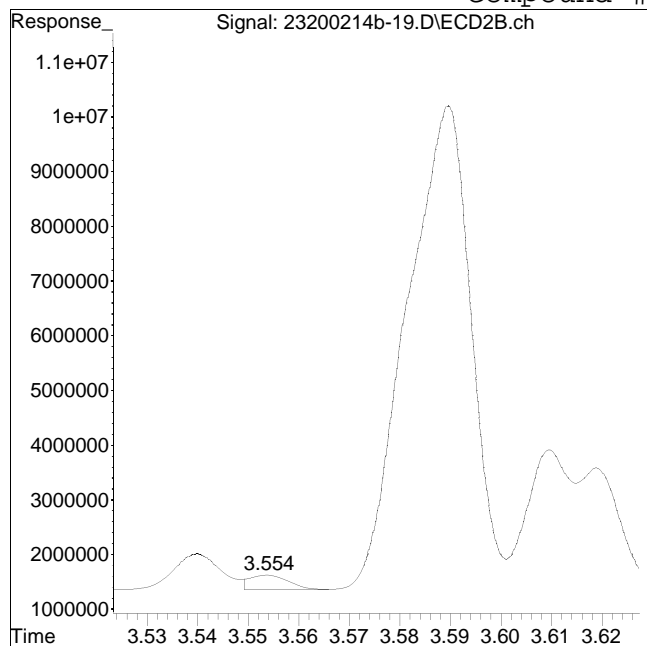
Manual Peak Response = 56495892 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-19.D Operator : pest23:cw
Date Inj'd : 2/14/2020 7:59 pm Instrument : Pest 23
Sample : L2005946-12d,42e,5, Quant Date : 2/16/2020 1:08 pm

Compound #64: 1260-5 #2



Original Peak Response = 1480610

Manual Peak Response = 77438221 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:06 pm
 Operator : pest23:cw
 Sample : L2005946-13d,42e,20,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:16:23 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.925	1.074	29482484	30306286	250.000	250.000
Standard Area 1 : #1 = 25262581					Recovery =	116.70%
Standard Area 1 : #2 = 26214179					Recovery =	115.61%
14) i 2154_1br2nb	0.925	1.074	29482484	30306286	250.000	250.000
23) i 4268_1br2nb	0.925	1.074	29482484	30306286	250.000	250.000
34) i 1248_1br2nb	0.925	1.074	29482484	30306286	250.000	250.000
40) i 3262_1br2nb	0.925	1.074	29482484	30306286	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.786	26801331	27775919	3004.487M3	2987.457M3
10) l2 1260-2	2.388	2.886	50817897	42624009	3731.286M3	3884.225M3
11) l2 1260-3	2.681	3.264	30822284	36721849	3654.543M3	3936.572
12) l2 1260-4	2.825	3.392	74259446	78971158	4116.370M3	4114.854M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:06 pm
 Operator : pest23:cw
 Sample : L2005946-13d,42e,20,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:16:23 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	12 1260-5	2.964	3.589	41618090	56143536	4327.729M3	4129.211M3
	Sum 1260-1			224.3E6	242.2E6	18834.414	19052.318
	Average 1260-1					3766.883	3810.464
15)	13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:06 pm
 Operator : pest23:cw
 Sample : L2005946-13d,42e,20,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:16:23 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D.
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:06 pm
 Operator : pest23:cw
 Sample : L2005946-13d,42e,20,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:16:23 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

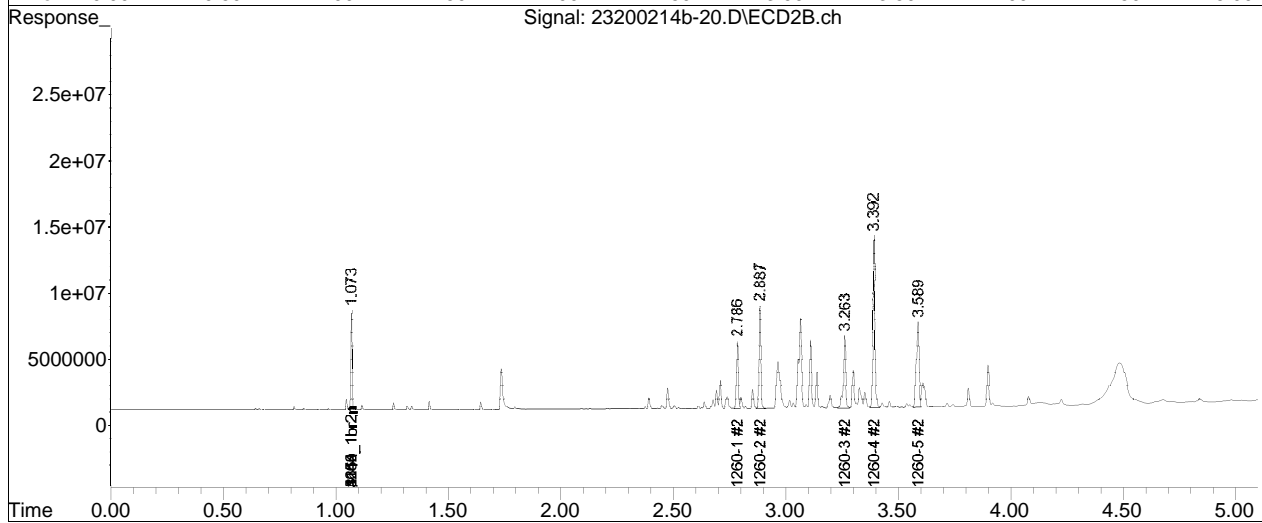
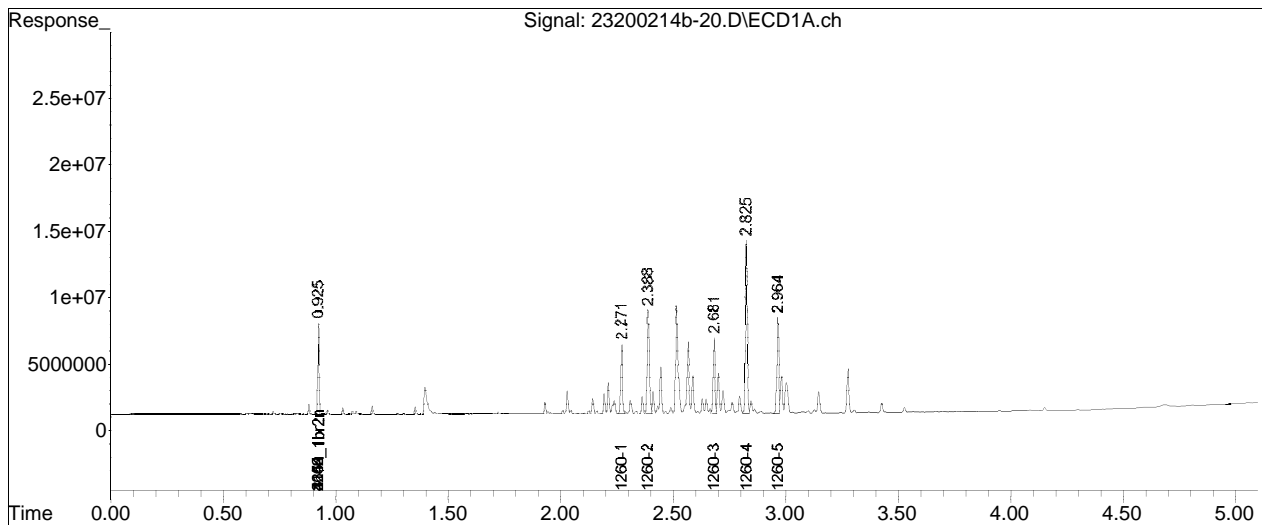
Sub List : Default - All compounds listed14b\23200214b-02.D••

Data Path : I:\Pest23\data\2020\23200214b\
Data File : 23200214b-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 08:06 pm
Operator : pest23:cw
Sample : L2005946-13d,42e,20,
Misc : wg1340958,wg1339677,ical16474
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 13:16:23 2020
Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 21:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

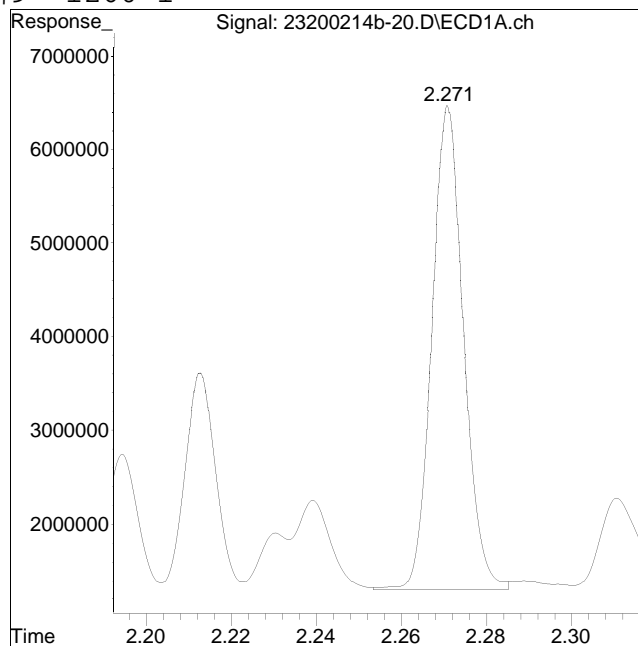
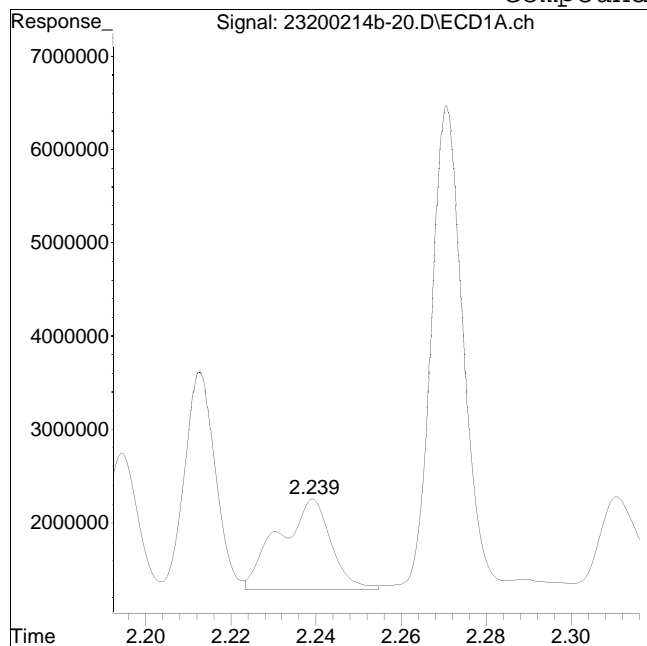
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-20.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:06 pm Instrument : Pest 23
Sample : L2005946-13d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #9: 1260-1



Original Peak Response = 8428617

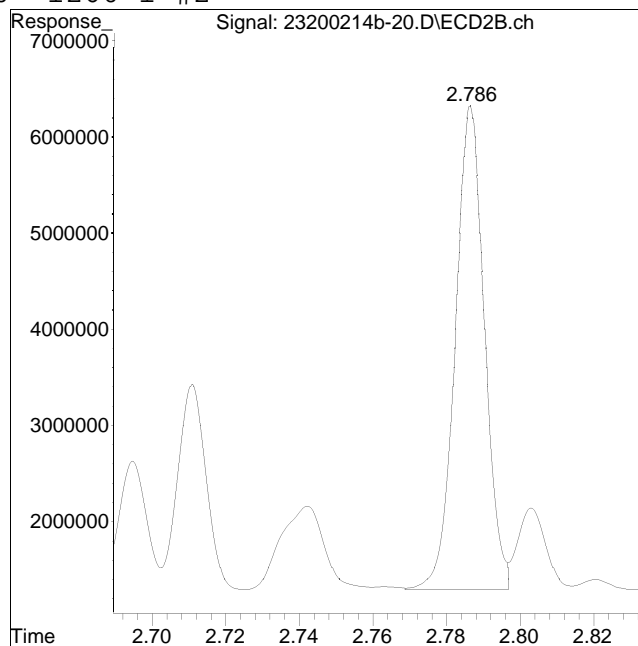
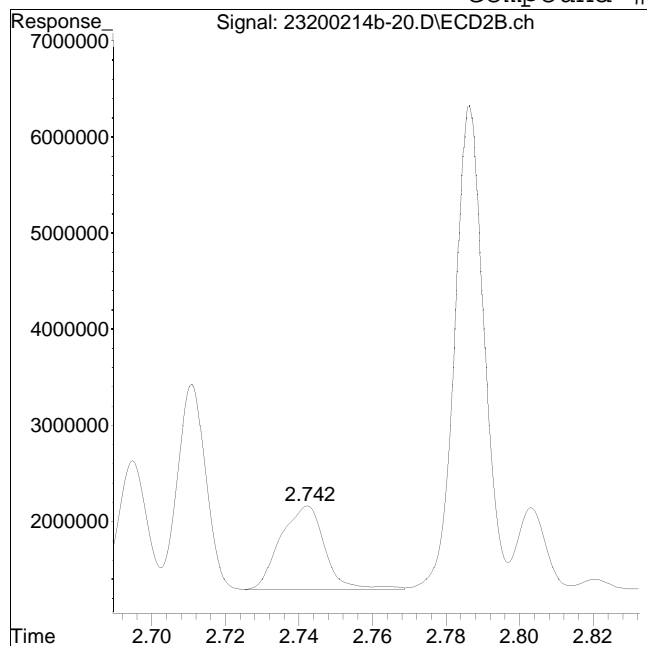
Manual Peak Response = 26801331 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-20.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:06 pm Instrument : Pest 23
Sample : L2005946-13d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #60: 1260-1 #2



Original Peak Response = 7342849

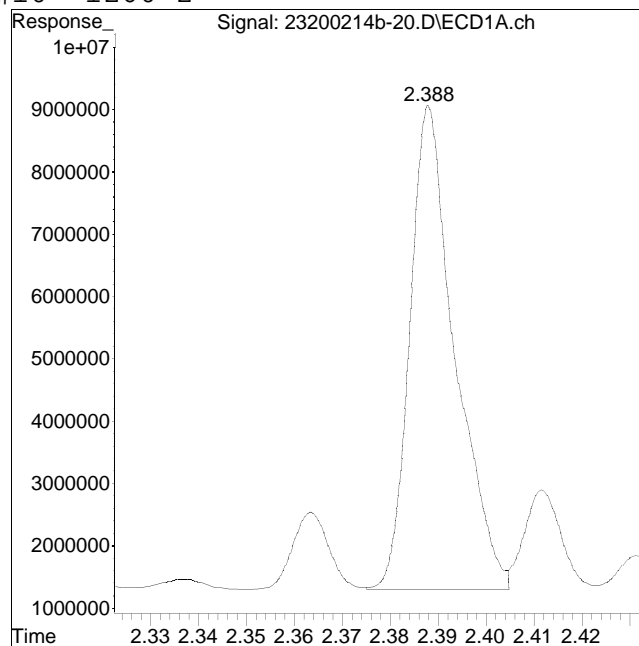
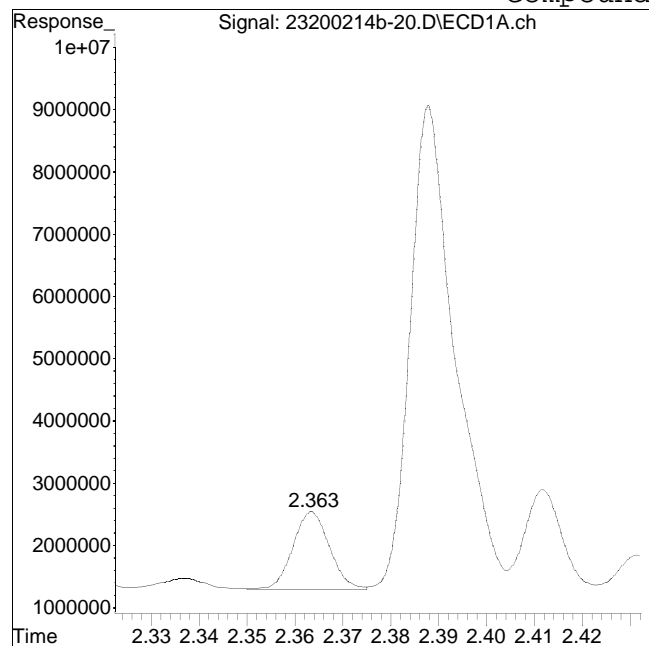
Manual Peak Response = 27775919 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-20.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:06 pm Instrument : Pest 23
Sample : L2005946-13d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #10: 1260-2



Original Peak Response = 6686850

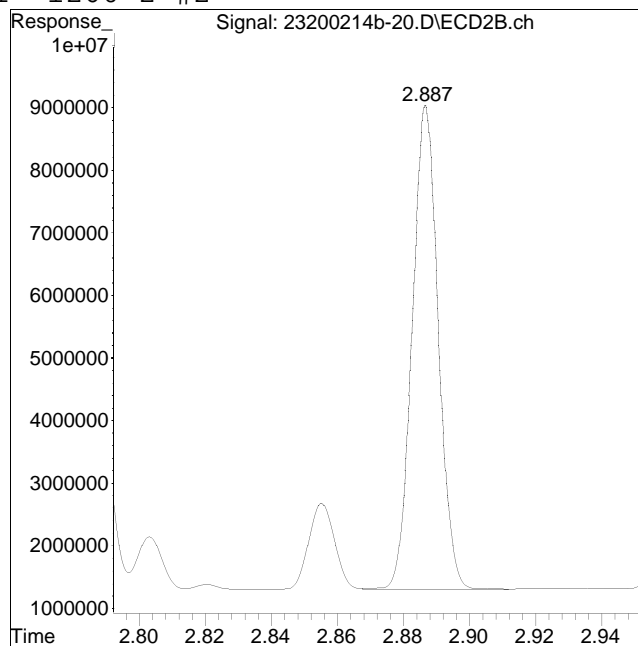
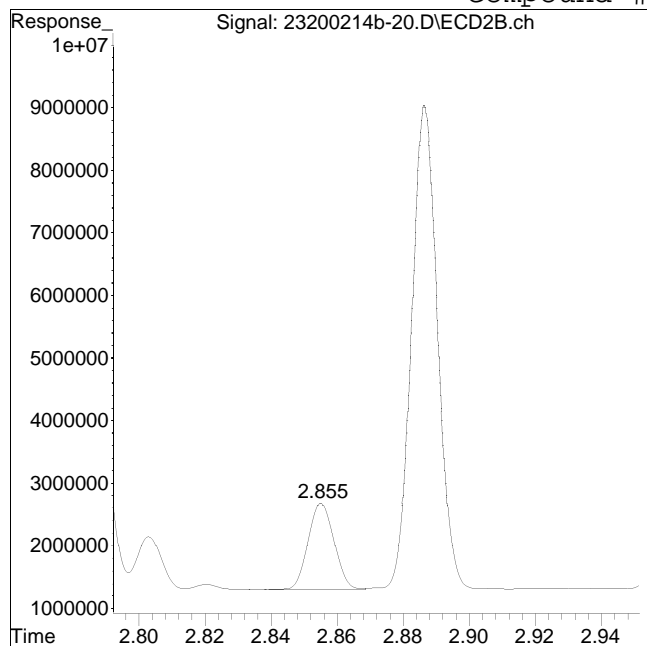
Manual Peak Response = 50817897 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-20.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:06 pm Instrument : Pest 23
Sample : L2005946-13d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #61: 1260-2 #2



Original Peak Response = 7653026

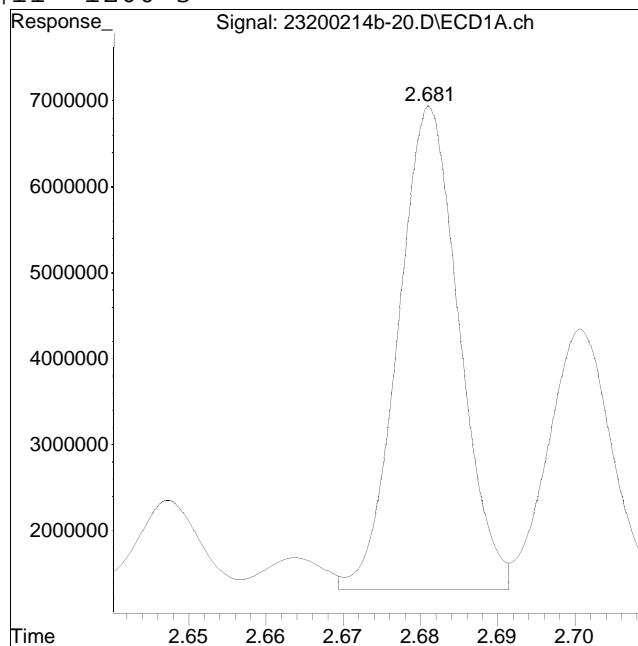
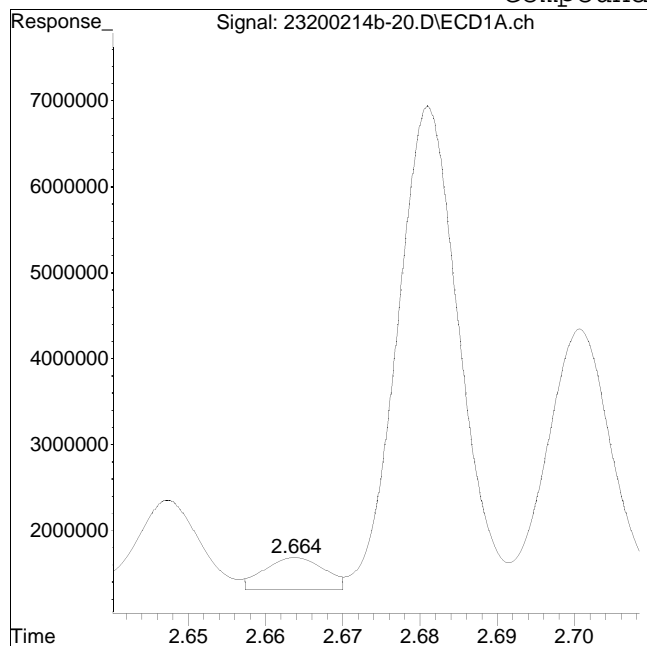
Manual Peak Response = 42624009 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-20.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:06 pm Instrument : Pest 23
Sample : L2005946-13d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #11: 1260-3



Original Peak Response = 1996916

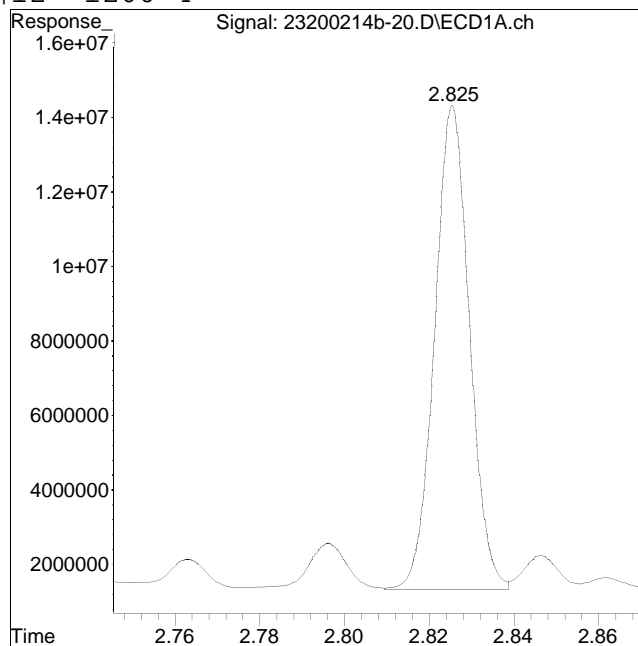
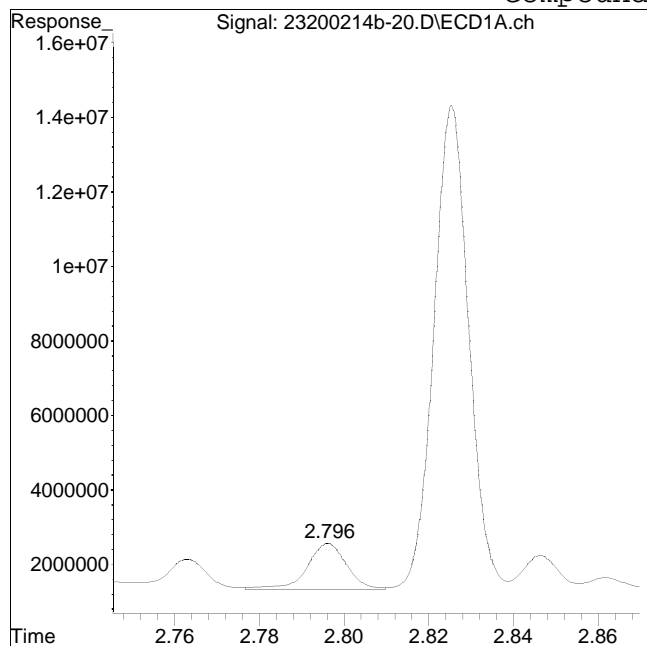
Manual Peak Response = 30822284 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-20.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:06 pm Instrument : Pest 23
Sample : L2005946-13d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #12: 1260-4



Original Peak Response = 8146556

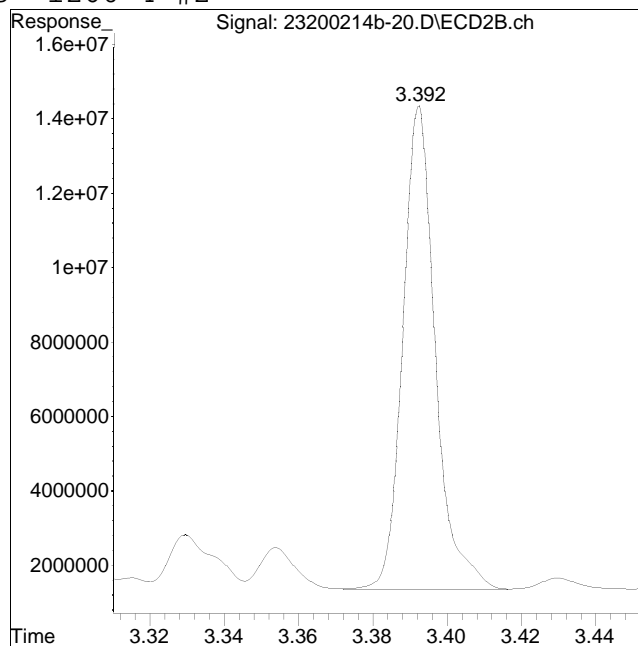
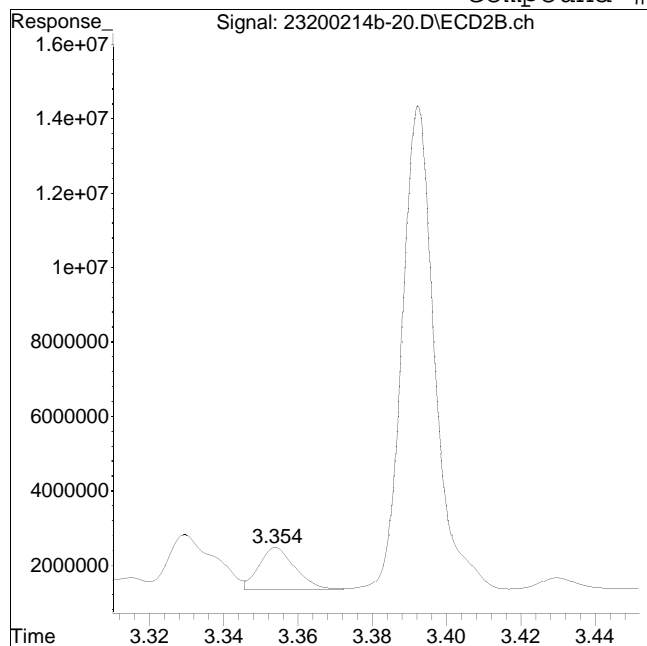
Manual Peak Response = 74259446 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-20.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:06 pm Instrument : Pest 23
Sample : L2005946-13d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #63: 1260-4 #2



Original Peak Response = 7822540

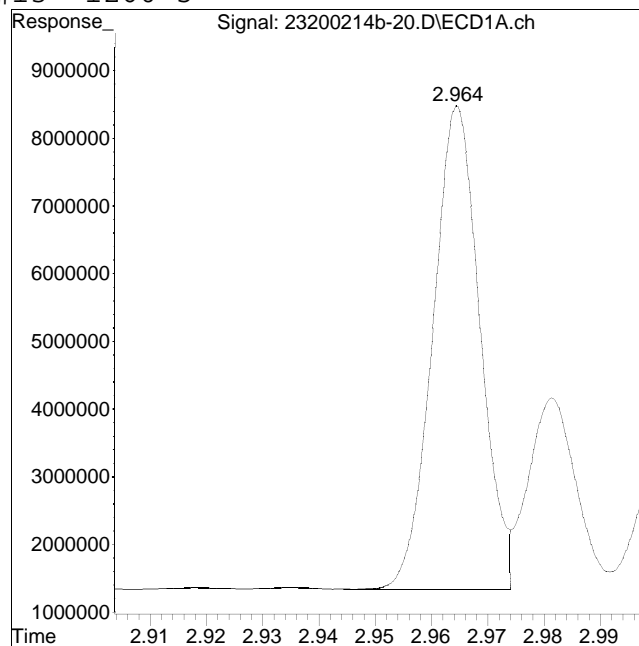
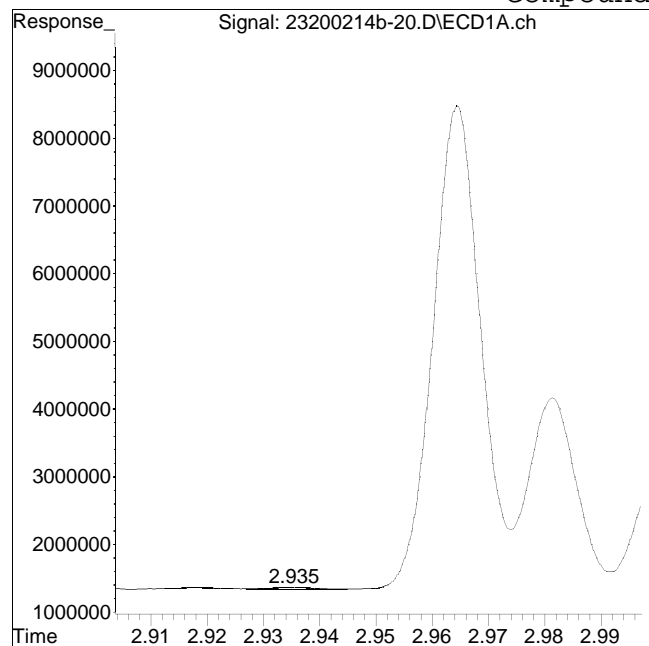
Manual Peak Response = 78971158 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-20.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:06 pm Instrument : Pest 23
Sample : L2005946-13d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #13: 1260-5



Original Peak Response = 238846

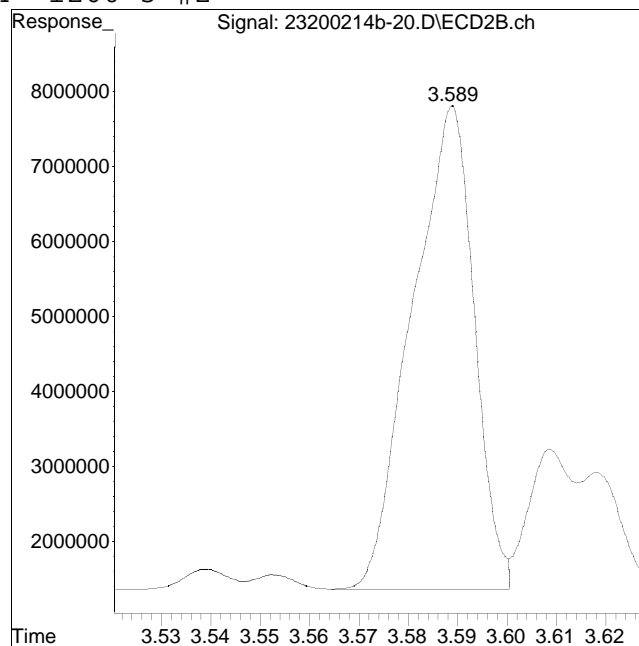
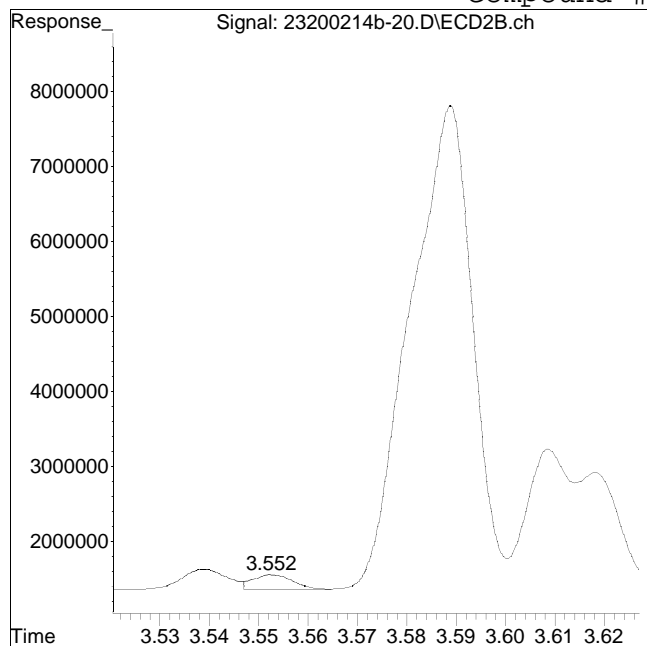
Manual Peak Response = 41618090 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-20.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:06 pm Instrument : Pest 23
Sample : L2005946-13d,42e,20, Quant Date : 2/16/2020 1:08 pm

Compound #64: 1260-5 #2



Original Peak Response = 1110111

Manual Peak Response = 56143536 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:13 pm
 Operator : pest23:cw
 Sample : L2005946-14d,42e,500,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:18:38 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.925	1.073	22813320	23230038	250.000	250.000
Standard Area 1 : #1 = 25262581					Recovery =	90.30%
Standard Area 1 : #2 = 26214179					Recovery =	88.62%
14) i 2154_1br2nb	0.925	1.073	22813320	23230038	250.000	250.000
23) i 4268_1br2nb	0.925	1.073	22813320	23230038	250.000	250.000
34) i 1248_1br2nb	0.925	1.073	22813320	23230038	250.000	250.000
40) i 3262_1br2nb	0.925	1.073	22813320	23230038	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.786	9692185	9466231	1404.142M3	1328.290M3
10) l2 1260-2	2.388	2.886	17343530	13589769	1645.716M3	1615.641M3
11) l2 1260-3	2.681	3.263	10317632	11631052	1580.971M3	1626.655
12) l2 1260-4	2.825	3.392	23322982	23998652	1670.792M3	1631.382M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:13 pm
 Operator : pest23:cw
 Sample : L2005946-14d,42e,500,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:18:38 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	12 1260-5	2.965	3.588	13668678	17806246	1836.877	1708.529M3
	Sum 1260-1			74345007	76491949	8138.498	7910.498
	Average 1260-1					1627.700	1582.100
15)	13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D.
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D.	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:13 pm
 Operator : pest23:cw
 Sample : L2005946-14d,42e,500,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:18:38 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D.	N.D.
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:13 pm
 Operator : pest23:cw
 Sample : L2005946-14d,42e,500,
 Misc : wgl340958,wgl339677,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:18:38 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

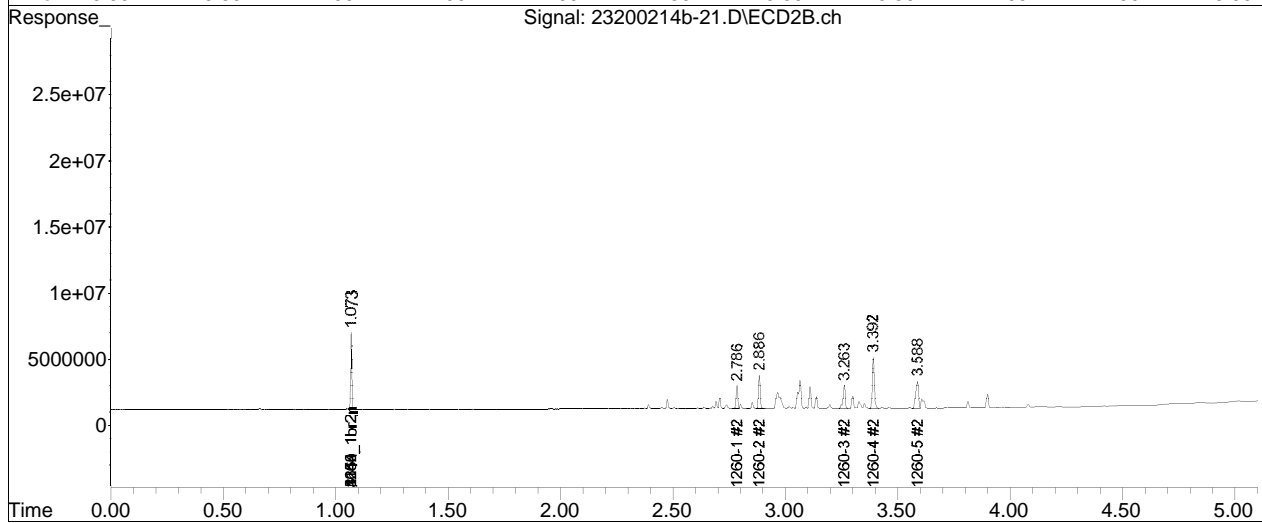
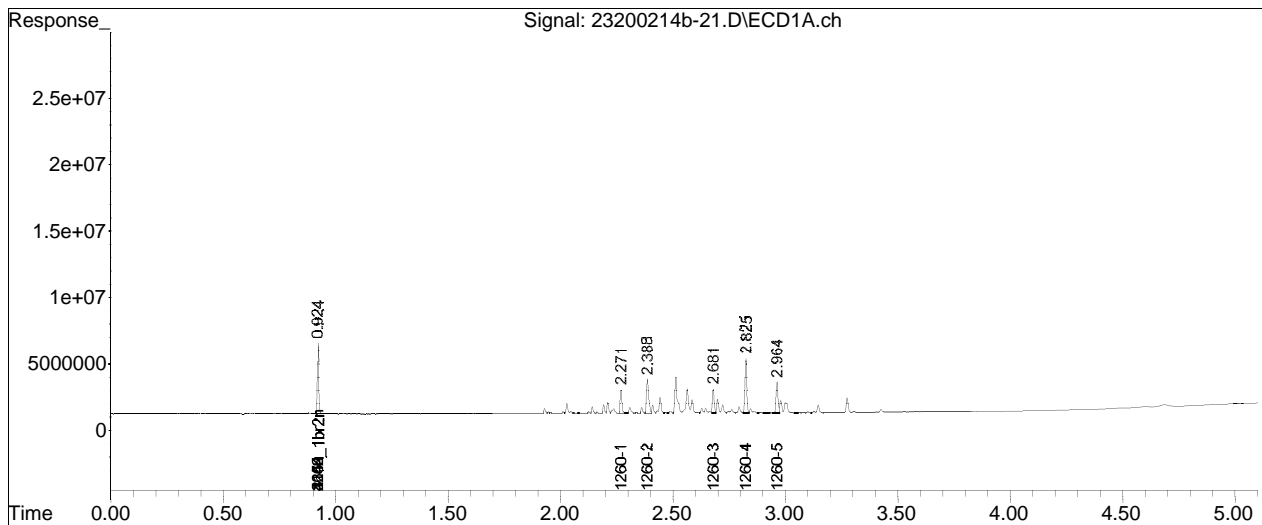
Sub List : Default - All compounds listed14b\23200214b-02.D**

Data Path : I:\Pest23\data\2020\23200214b\
Data File : 23200214b-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 08:13 pm
Operator : pest23:cw
Sample : L2005946-14d,42e,500,
Misc : wg1340958,wg1339677,ical16474
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 13:18:38 2020
Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 21:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

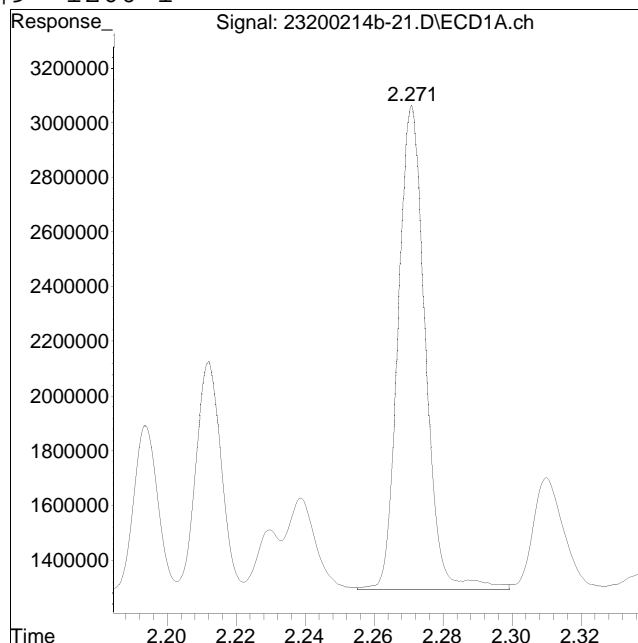
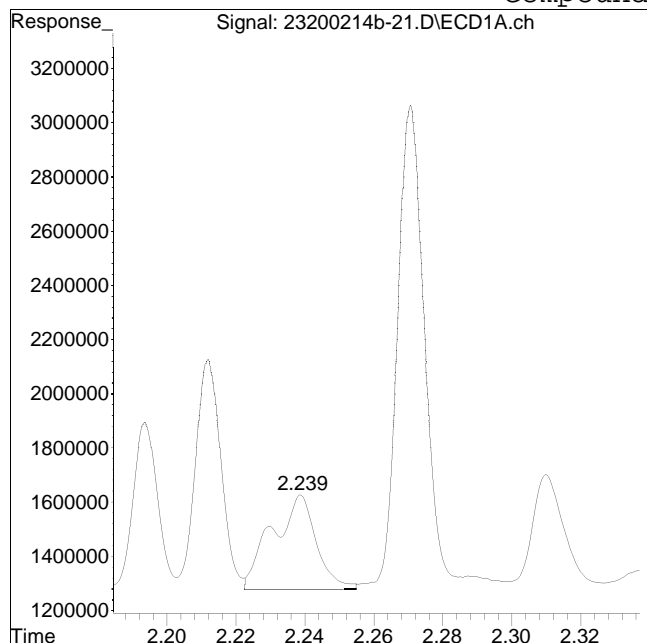
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-21.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:13 pm Instrument : Pest 23
Sample : L2005946-14d,42e,500, Quant Date : 2/16/2020 1:08 pm

Compound #9: 1260-1



Original Peak Response = 3112178

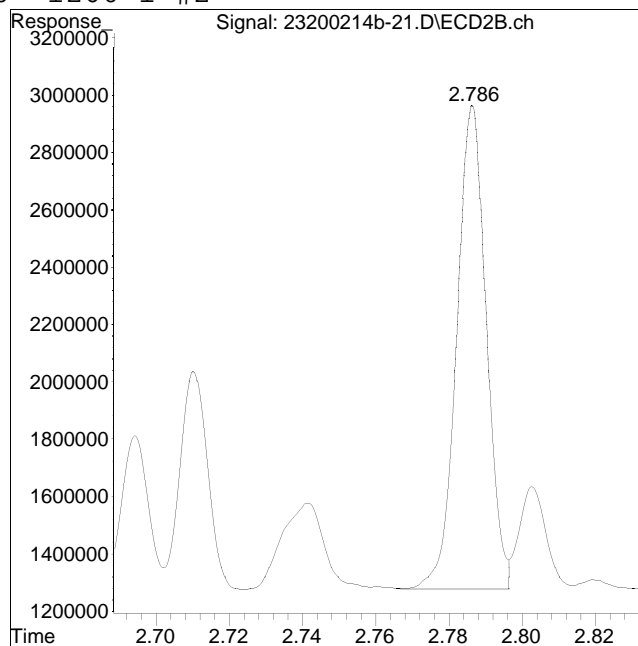
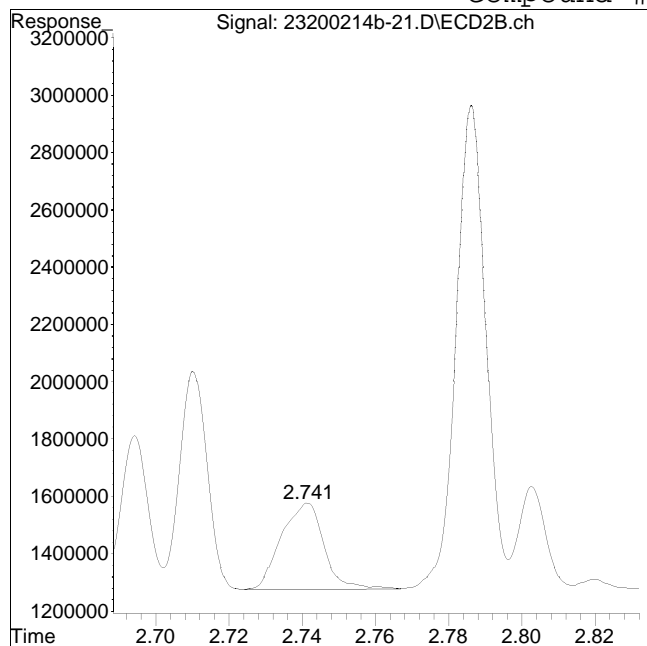
Manual Peak Response = 9692185 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-21.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:13 pm Instrument : Pest 23
Sample : L2005946-14d,42e,500, Quant Date : 2/16/2020 1:08 pm

Compound #60: 1260-1 #2



Original Peak Response = 2469741

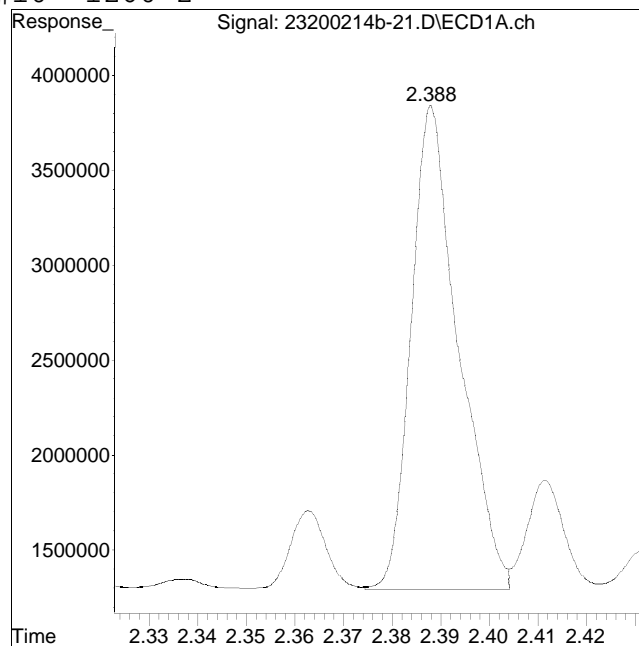
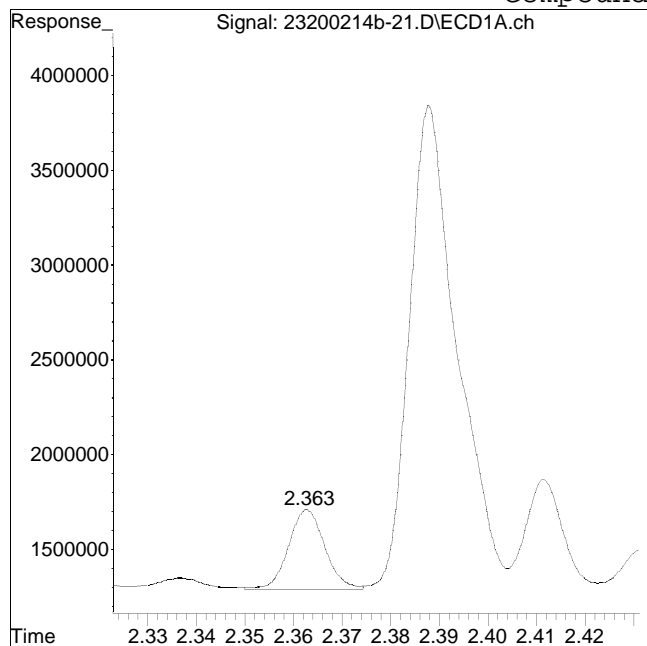
Manual Peak Response = 9466231 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-21.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:13 pm Instrument : Pest 23
Sample : L2005946-14d,42e,500, Quant Date : 2/16/2020 1:08 pm

Compound #10: 1260-2



Original Peak Response = 2207483

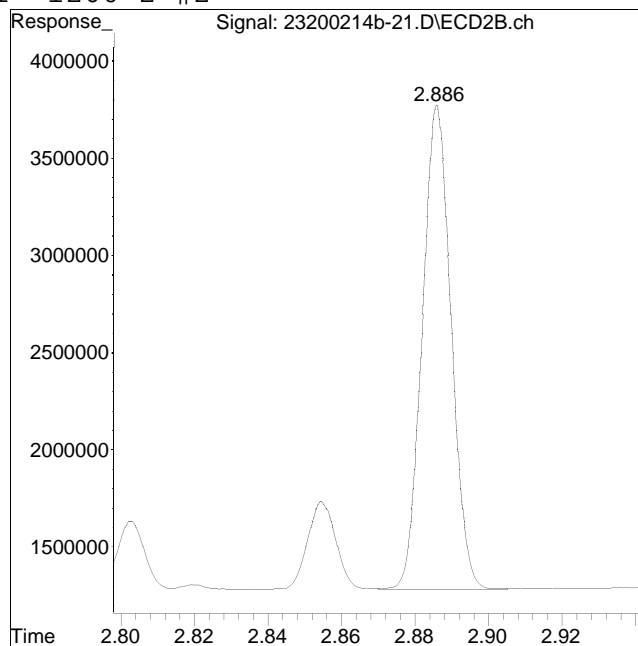
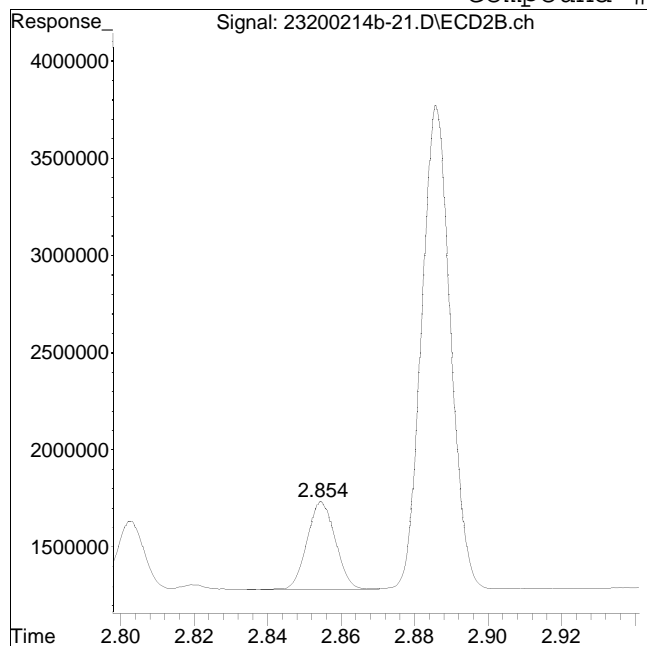
Manual Peak Response = 17343530 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-21.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:13 pm Instrument : Pest 23
Sample : L2005946-14d,42e,500, Quant Date : 2/16/2020 1:08 pm

Compound #61: 1260-2 #2



Original Peak Response = 2451047

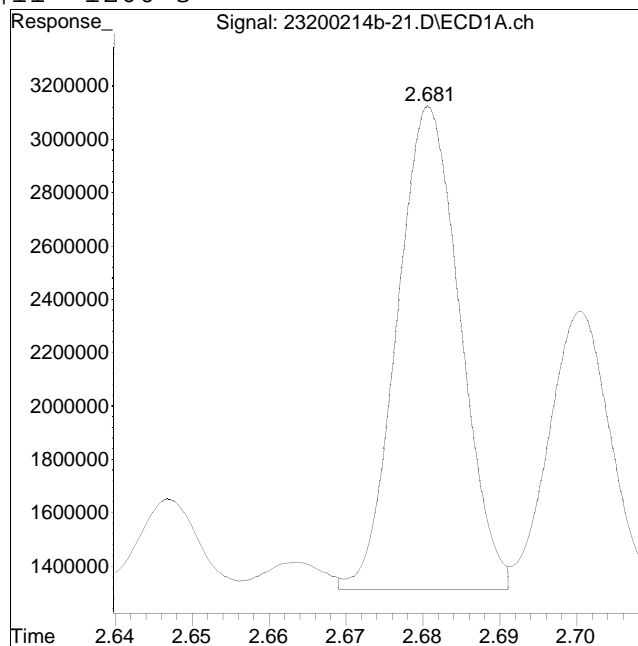
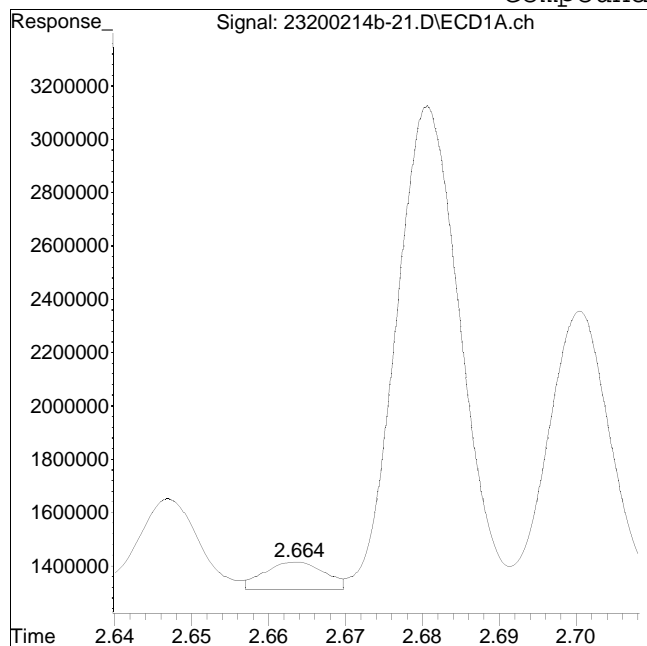
Manual Peak Response = 13589769 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-21.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:13 pm Instrument : Pest 23
Sample : L2005946-14d,42e,500, Quant Date : 2/16/2020 1:08 pm

Compound #11: 1260-3



Original Peak Response = 563390

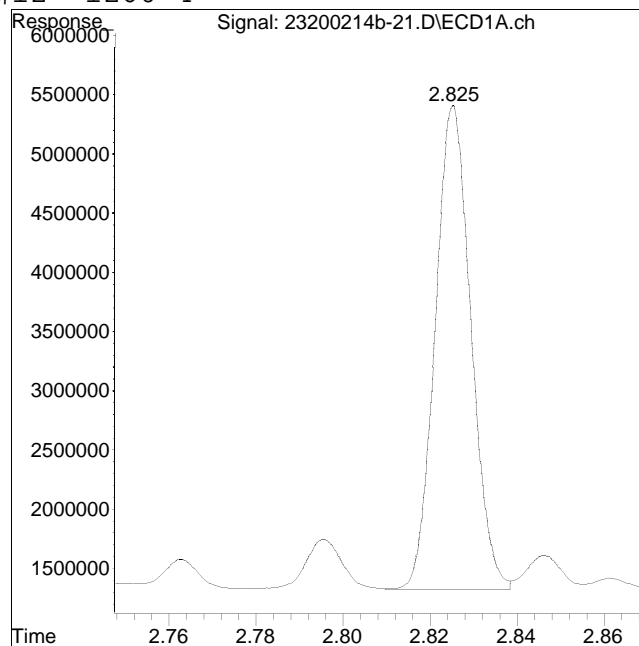
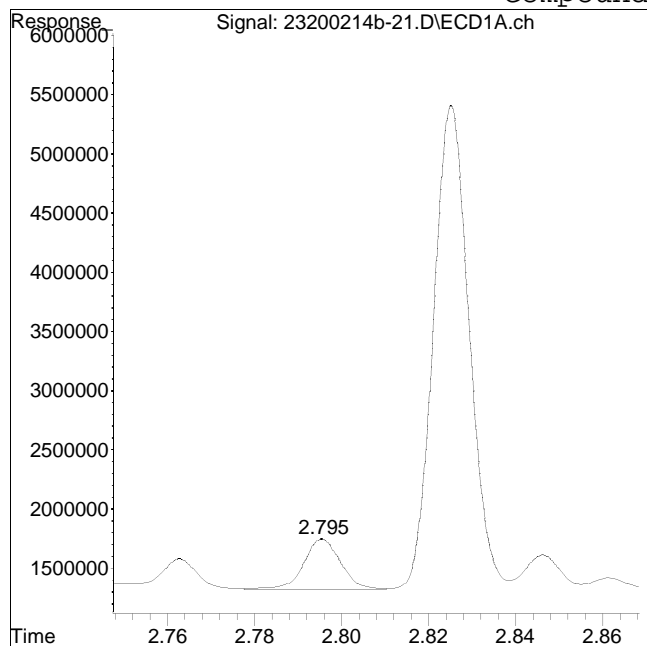
Manual Peak Response = 10317632 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-21.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:13 pm Instrument : Pest 23
Sample : L2005946-14d,42e,500, Quant Date : 2/16/2020 1:08 pm

Compound #12: 1260-4



Original Peak Response = 2564322

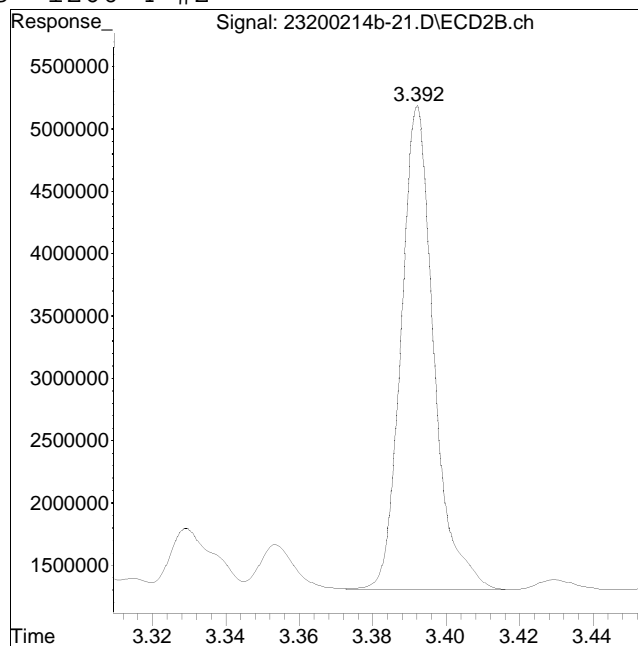
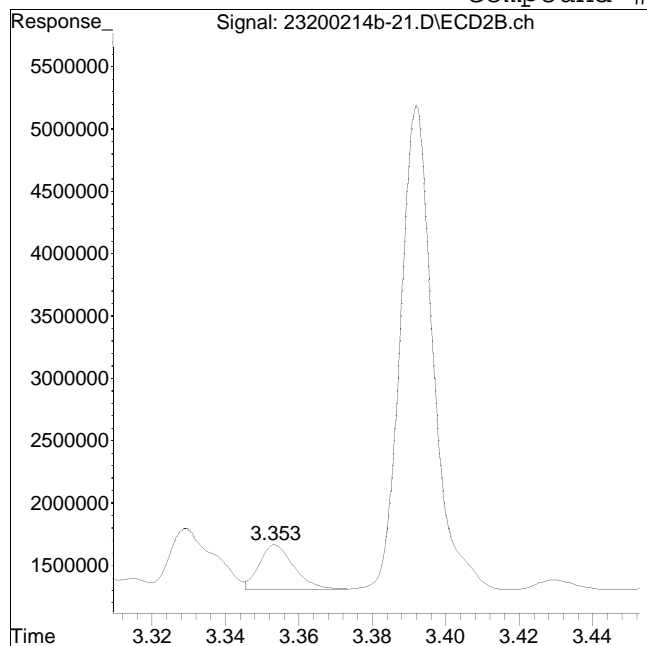
Manual Peak Response = 23322982 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-21.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:13 pm Instrument : Pest 23
Sample : L2005946-14d,42e,500, Quant Date : 2/16/2020 1:08 pm

Compound #63: 1260-4 #2



Original Peak Response = 2427098

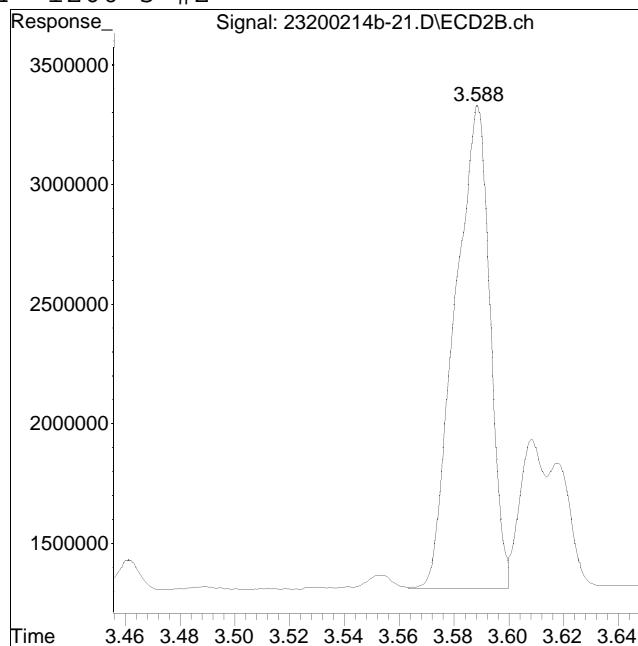
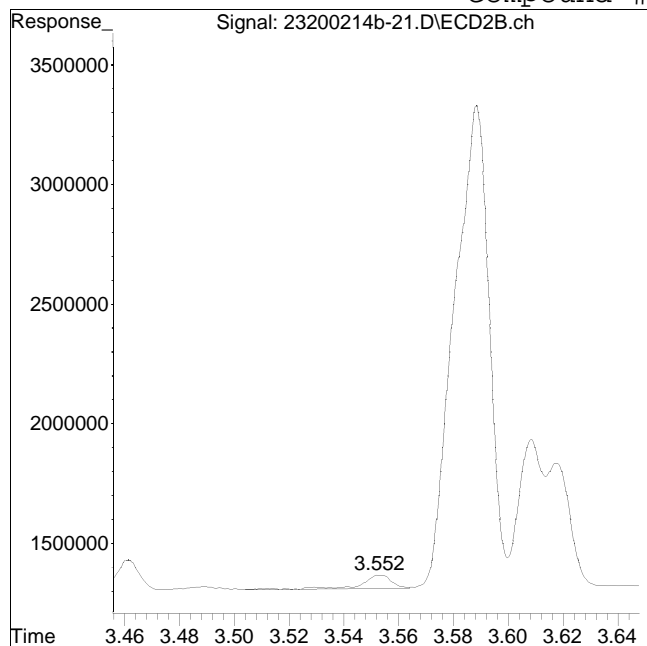
Manual Peak Response = 23998652 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-21.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:13 pm Instrument : Pest 23
Sample : L2005946-14d,42e,500, Quant Date : 2/16/2020 1:08 pm

Compound #64: 1260-5 #2



Original Peak Response = 430173

Manual Peak Response = 17806246 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:20 pm
 Operator : pest23:cw
 Sample : L2005946-15d,42e,1000,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:20:31 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.925	1.073	25280136	25859710	250.000	250.000
Standard Area 1 : #1 = 25262581					Recovery =	100.07%
Standard Area 1 : #2 = 26214179					Recovery =	98.65%
14) i 2154_1br2nb	0.925	1.073	25280136	25859710	250.000	250.000
23) i 4268_1br2nb	0.925	1.073	25280136	25859710	250.000	250.000
34) i 1248_1br2nb	0.925	1.073	25280136	25859710	250.000	250.000
40) i 3262_1br2nb	0.925	1.073	25280136	25859710	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.786	10213350	10198663	1335.263M3	1285.540M3
10) l2 1260-2	2.389	2.887	17975277	14140272	1539.225M3	1510.139M3
11) l2 1260-3	2.682	3.263	10332998	11714195	1428.826M3	1471.686M4
12) l2 1260-4	2.826	3.392	23359640	24132531	1510.127M3	1473.662M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:20 pm
 Operator : pest23:cw
 Sample : L2005946-15d,42e,1000,
 Misc : wg1340958,wg1339677,ical16474
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:20:31 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) 12	1260-5	2.966	3.589	13546507	17650933	1642.820	1521.402M3
	Sum 1260-1			75427772	77836594	7456.261	7262.429
	Average 1260-1					1491.252	1452.486
15) 13	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-2	0.000	0.000	0	0	N.D.	N.D.
17) 13	1221-3	0.000	0.000	0	0	N.D.	N.D.
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D.	N.D.
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:20 pm
 Operator : pest23:cw
 Sample : L2005946-15d,42e,1000,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:20:31 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D.
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D.
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D.	N.D.
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15	1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200214b\
 Data File : 23200214b-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 08:20 pm
 Operator : pest23:cw
 Sample : L2005946-15d,42e,1000,
 Misc : wgl1340958,wgl1339677,ical16474
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 13:20:31 2020
 Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200214b\23200214b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

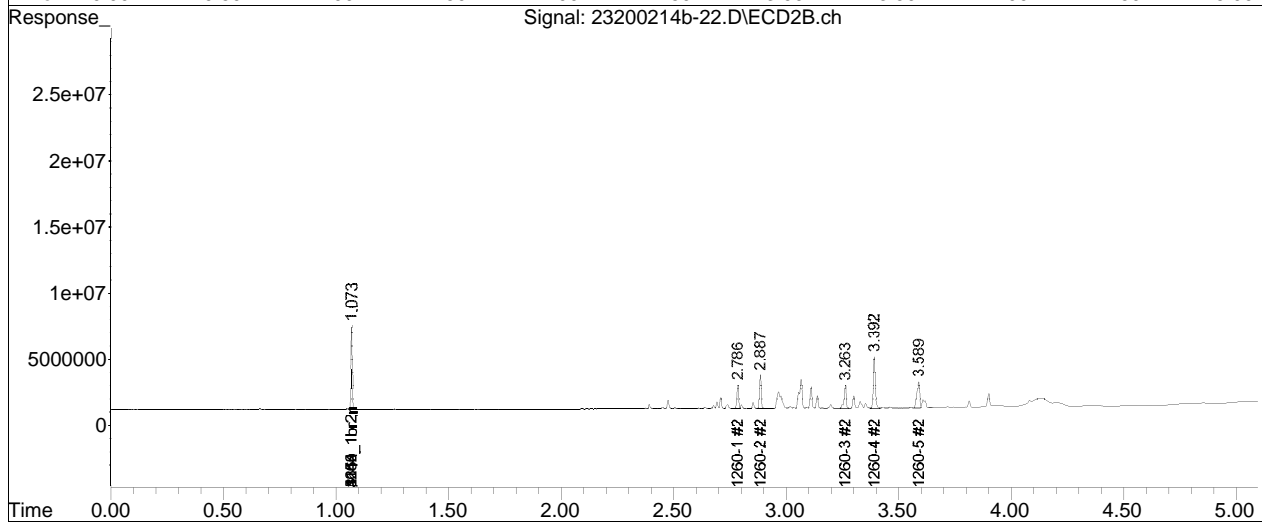
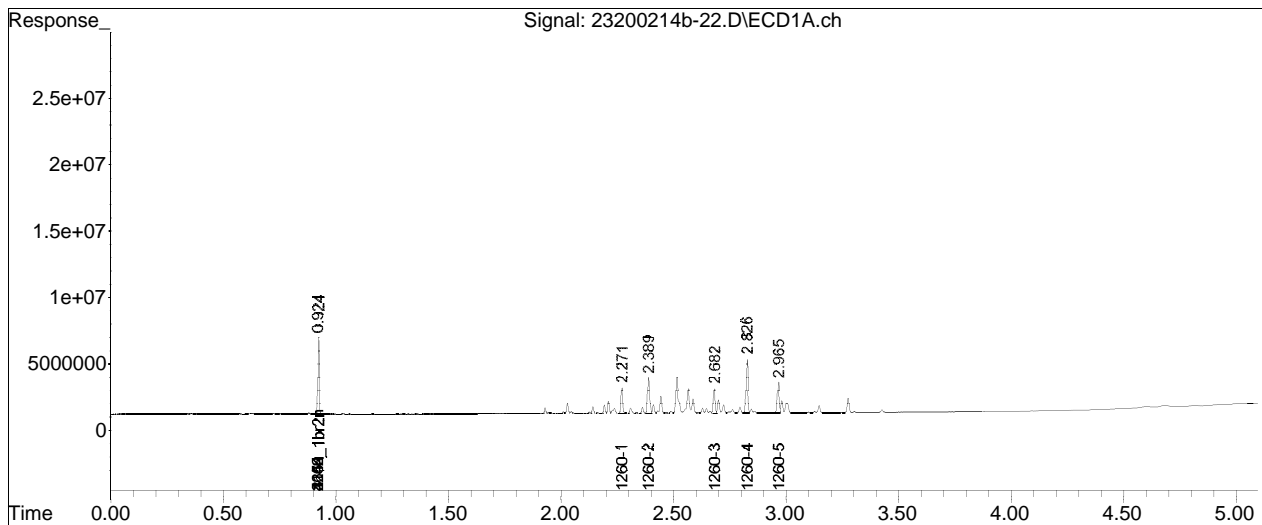
Sub List : Default - All compounds listed14b\23200214b-02.D••

Data Path : I:\Pest23\data\2020\23200214b\
Data File : 23200214b-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 08:20 pm
Operator : pest23:cw
Sample : L2005946-15d,42e,1000,
Misc : wg1340958,wg1339677,ical16474
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 13:20:31 2020
Quant Method : I:\Pest23\data\2020\23200214a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Thu Feb 13 21:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

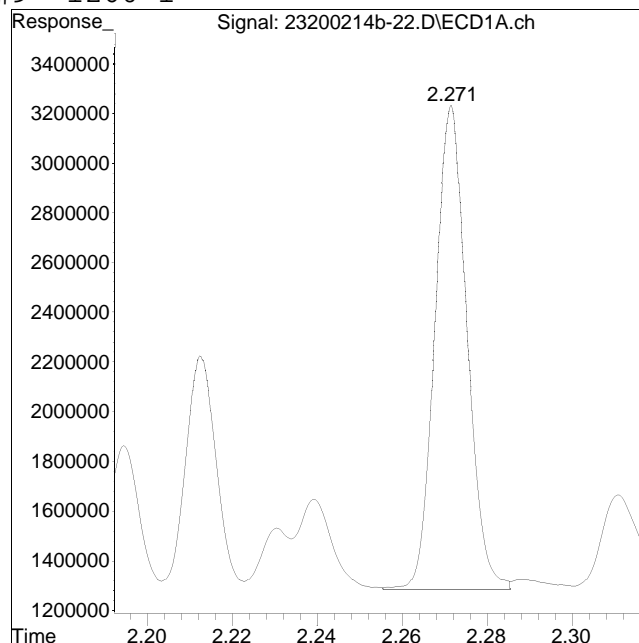
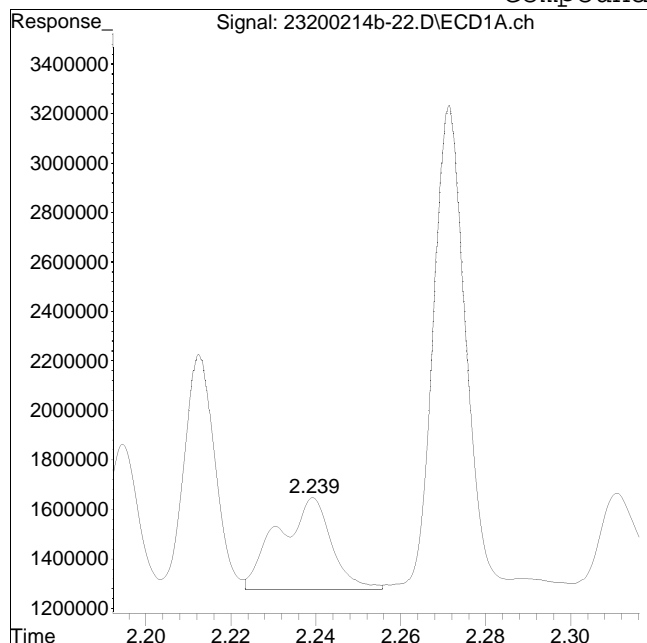
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-22.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:20 pm Instrument : Pest 23
Sample : L2005946-15d,42e,1000, Quant Date : 2/16/2020 1:08 pm

Compound #9: 1260-1



Original Peak Response = 3276377

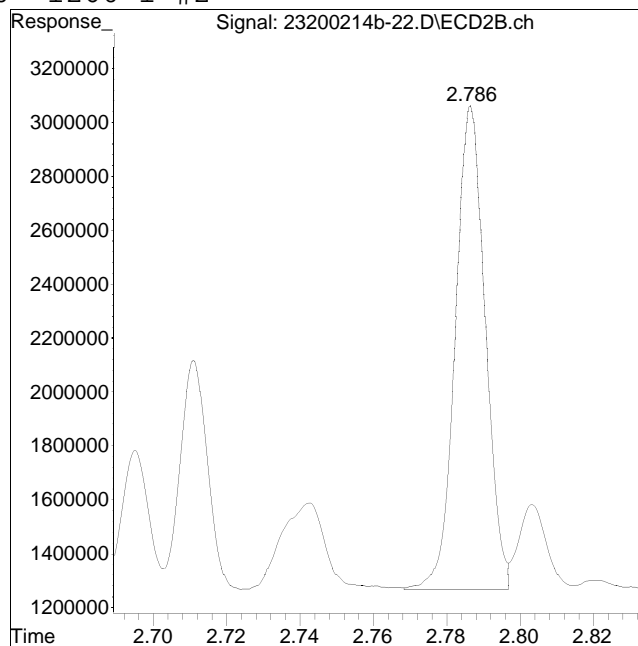
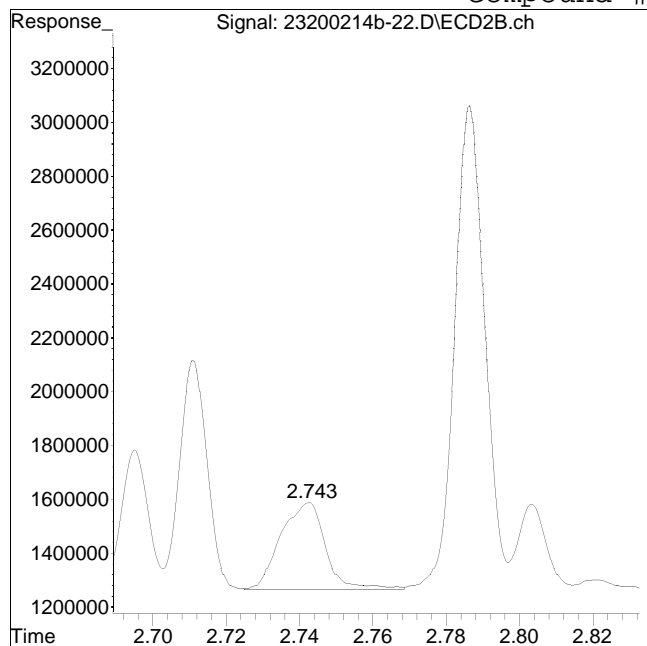
Manual Peak Response = 10213350 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-22.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:20 pm Instrument : Pest 23
Sample : L2005946-15d,42e,1000, Quant Date : 2/16/2020 1:08 pm

Compound #60: 1260-1 #2



Original Peak Response = 2731229

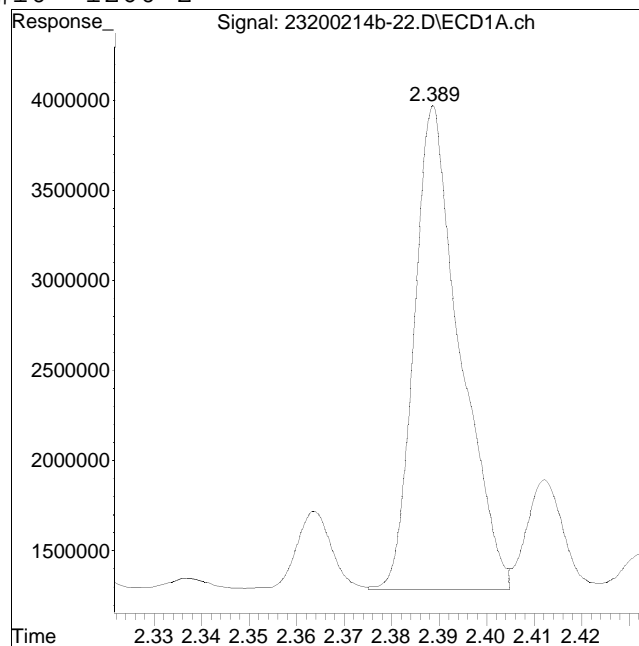
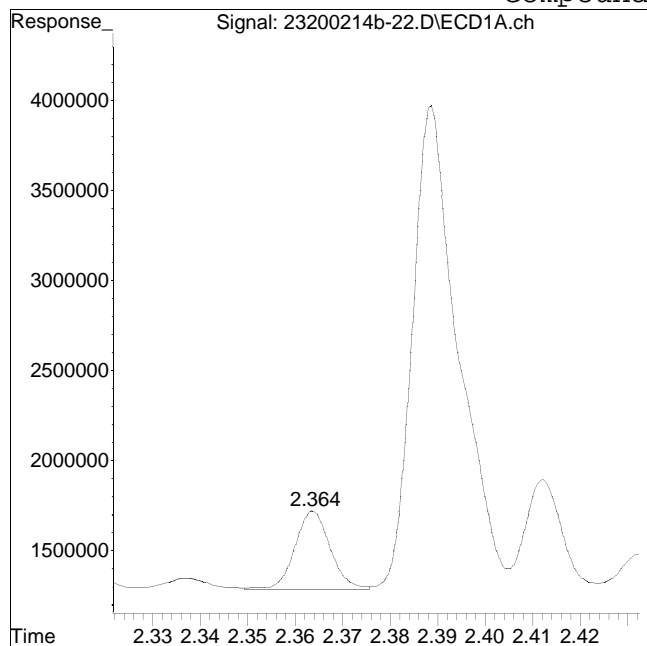
Manual Peak Response = 10198663 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-22.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:20 pm Instrument : Pest 23
Sample : L2005946-15d,42e,1000, Quant Date : 2/16/2020 1:08 pm

Compound #10: 1260-2



Original Peak Response = 2258015

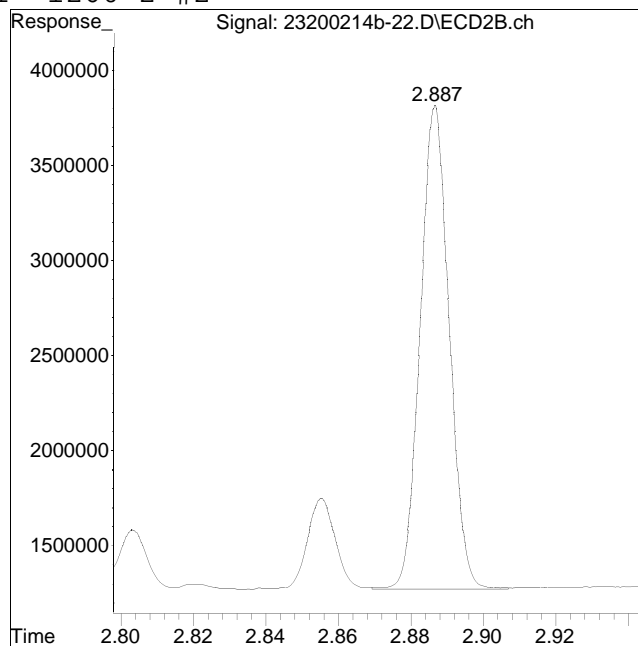
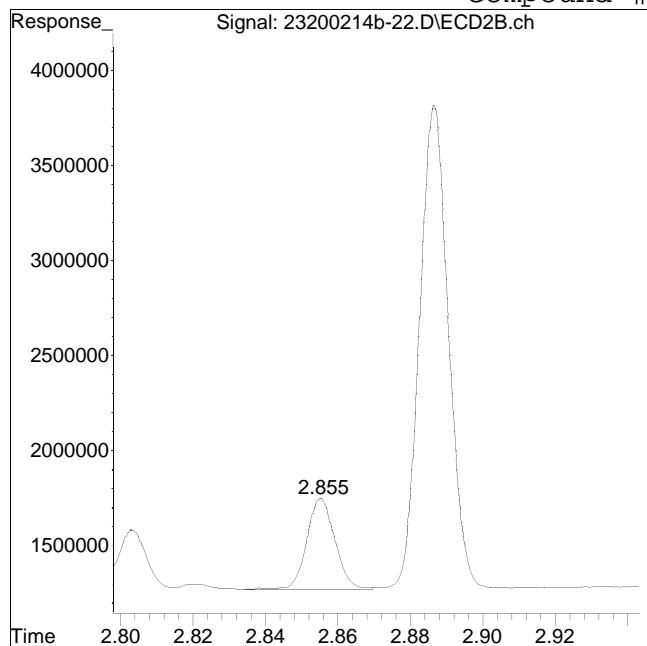
Manual Peak Response = 17975277 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-22.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:20 pm Instrument : Pest 23
Sample : L2005946-15d,42e,1000, Quant Date : 2/16/2020 1:08 pm

Compound #61: 1260-2 #2



Original Peak Response = 2597309

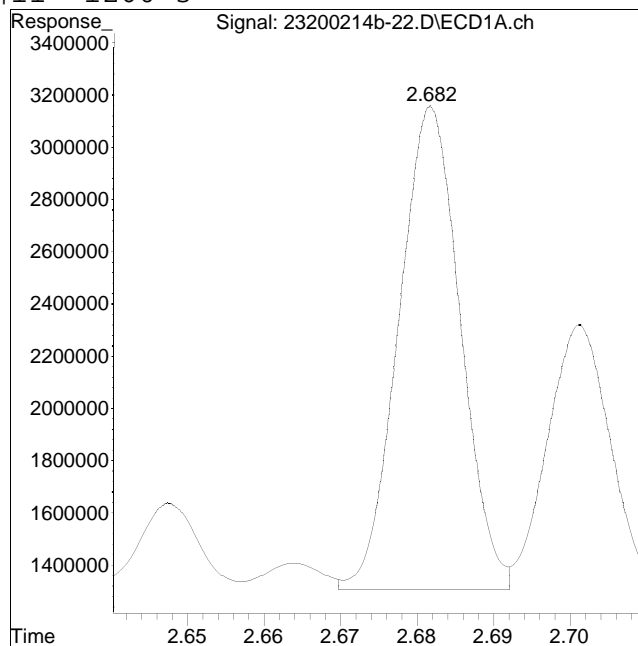
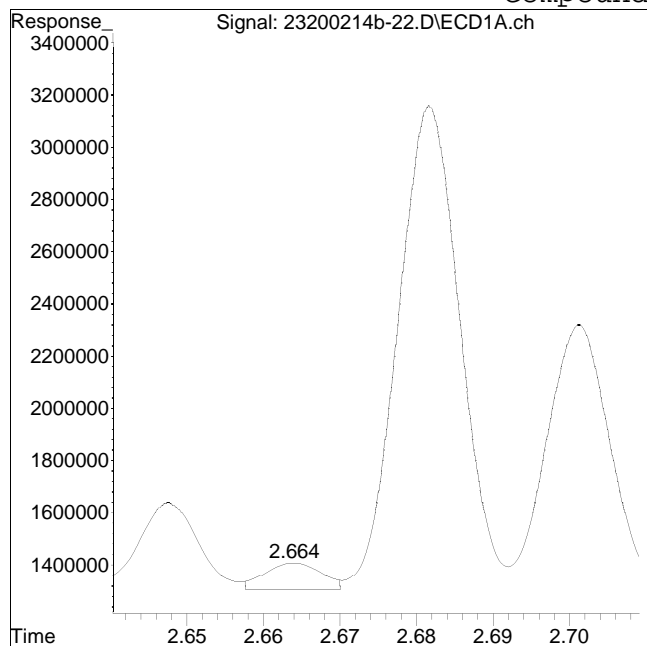
Manual Peak Response = 14140272 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-22.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:20 pm Instrument : Pest 23
Sample : L2005946-15d,42e,1000, Quant Date : 2/16/2020 1:08 pm

Compound #11: 1260-3



Original Peak Response = 523663

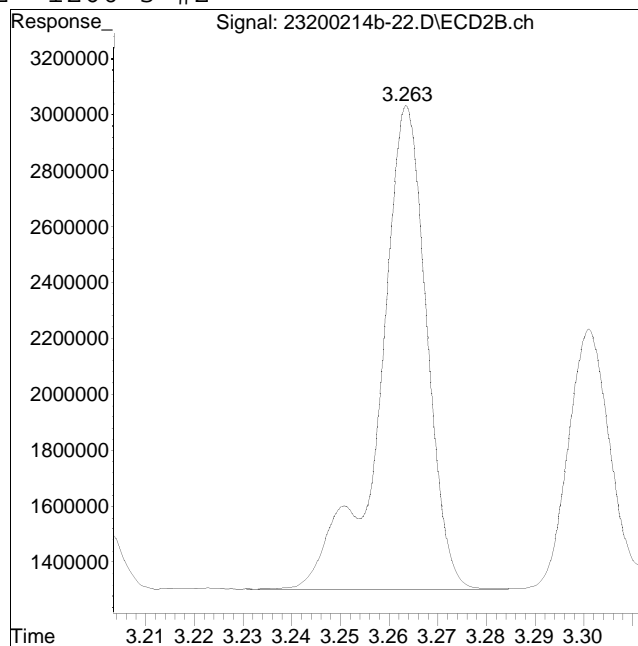
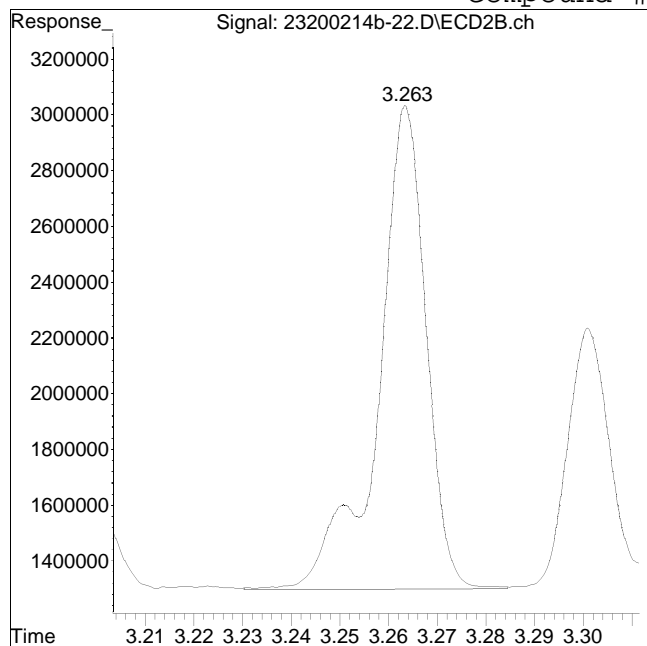
Manual Peak Response = 10332998 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-22.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:20 pm Instrument : Pest 23
Sample : L2005946-15d,42e,1000, Quant Date : 2/16/2020 1:08 pm

Compound #62: 1260-3 #2



Original Peak Response = 11890682

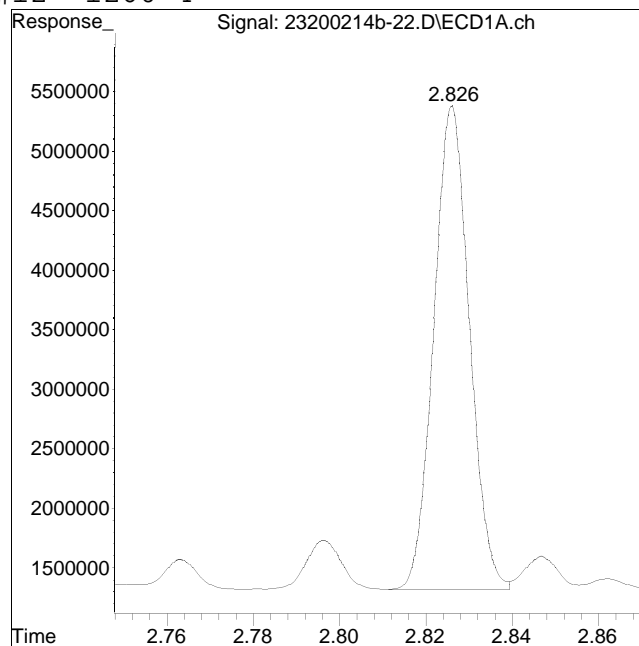
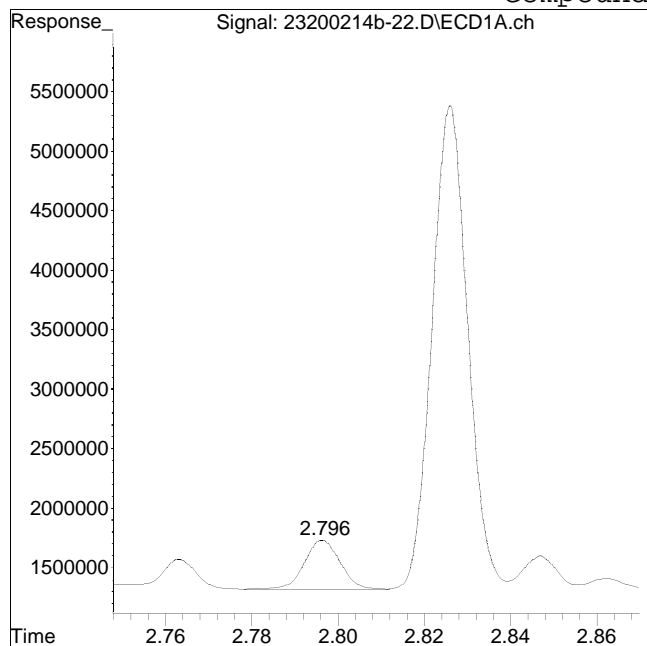
Manual Peak Response = 11714195 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-22.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:20 pm Instrument : Pest 23
Sample : L2005946-15d,42e,1000, Quant Date : 2/16/2020 1:08 pm

Compound #12: 1260-4



Original Peak Response = 2463565

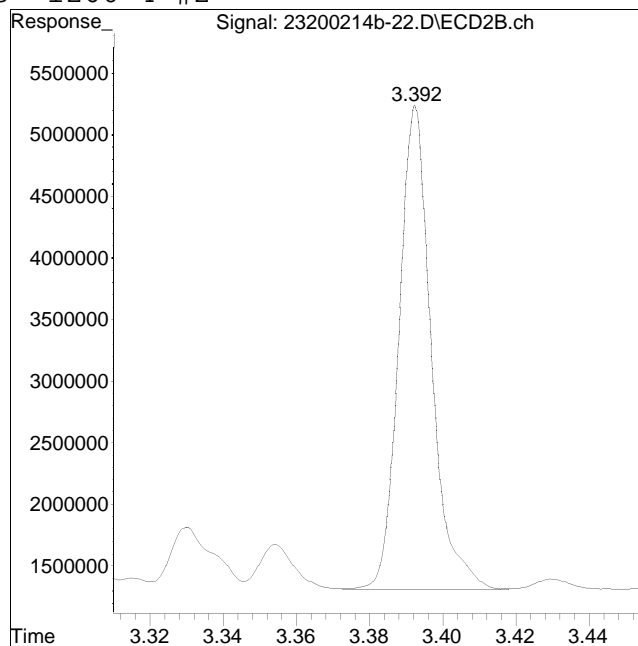
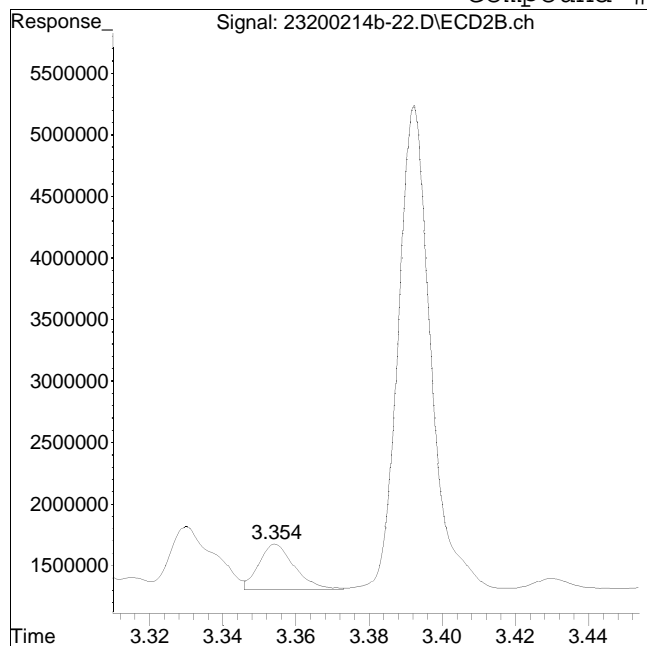
Manual Peak Response = 23359640 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-22.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:20 pm Instrument : Pest 23
Sample : L2005946-15d,42e,1000, Quant Date : 2/16/2020 1:08 pm

Compound #63: 1260-4 #2



Original Peak Response = 2514491

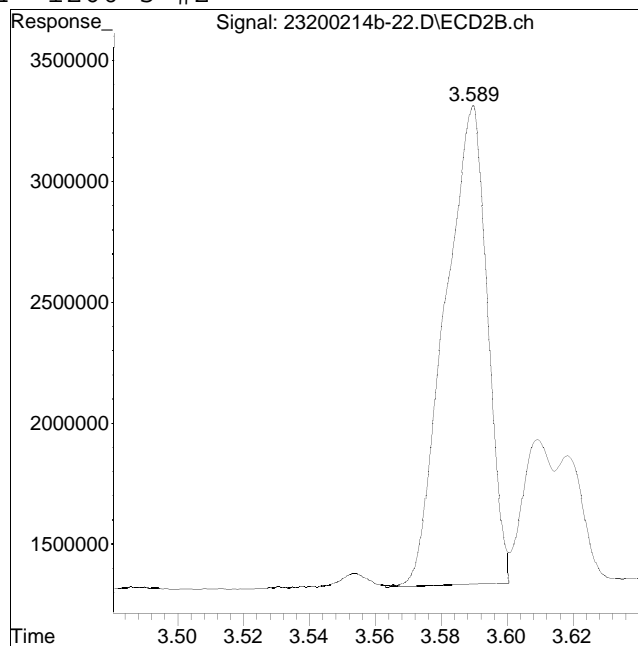
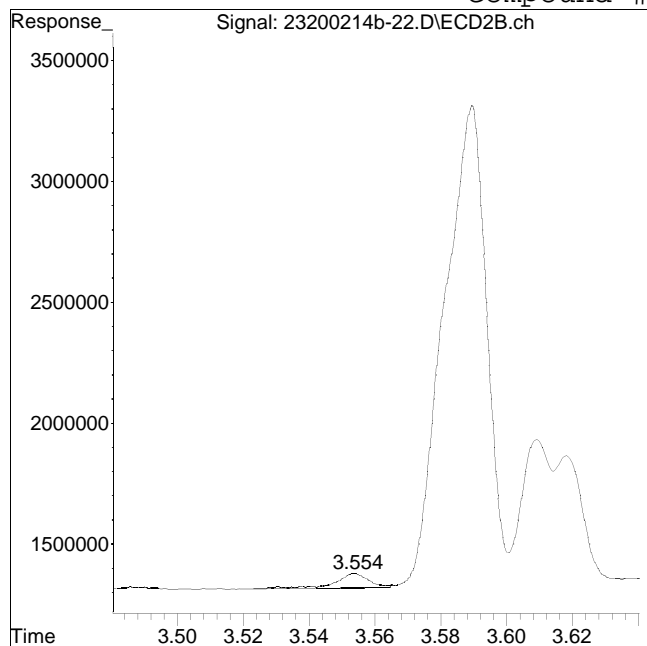
Manual Peak Response = 24132531 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200214b-22.D Operator : pest23:cw
Date Inj'd : 2/14/2020 8:20 pm Instrument : Pest 23
Sample : L2005946-15d,42e,1000, Quant Date : 2/16/2020 1:08 pm

Compound #64: 1260-5 #2



Original Peak Response = 421655

Manual Peak Response = 17650933 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-23.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 03:34 pm
 Operator : pest23:cw
 Sample : wg1339677-1,42e,,
 Misc : wg1340369,wg1339677,ical16474
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:51:06 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	0.929	1.071	22073862	23602787	250.000M4	250.000M4
	Standard Area 1 : #1 = 21191855					Recovery = 104.16%	
	Standard Area 1 : #2 = 22069319					Recovery = 106.95%	
14) i	2154_1br2nb	0.929	1.071	22073862	23602787	250.000M4	250.000M4
23) i	4268_1br2nb	0.929	1.071	22073862	23602787	250.000M4	250.000M4
34) i	1248_1br2nb	0.929	1.071	22073862	23602787	250.000M4	250.000M4
40) i	3262_1br2nb	0.929	1.071	22073862	23602787	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.170	1.418	49043881	53279574	363.467M4	408.426
	Spiked Amount 500.000 Range 30 - 150					Recovery = 72.69%	81.69%
3) s	Decachlorobi	3.552	4.240	41708243	40580201	456.427	344.686M3
	Spiked Amount 500.000 Range 30 - 150					Recovery = 91.29%	68.94%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-23.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 03:34 pm
 Operator : pest23:cw
 Sample : wg1339677-1,42e,,
 Misc : wg1340369,wg1339677,ical16474
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:51:06 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) 12 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) 12 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) 12 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-23.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 03:34 pm
 Operator : pest23:cw
 Sample : wg1339677-1,42e,,
 Misc : wg1340369,wg1339677,ical16474
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:51:06 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17	1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17	1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17	1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15	1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D.	N.D.
47) 18	1262-2	0.000	0.000	0	0	N.D.	N.D.
48) 18	1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18	1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200213a\
 Data File : 23200213a-23.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Feb 2020 03:34 pm
 Operator : pest23:cw
 Sample : wg1339677-1,42e,,
 Misc : wg1340369,wg1339677,ical16474
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 12:51:06 2020
 Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Thu Feb 13 21:09:39 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200213a\23200213a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

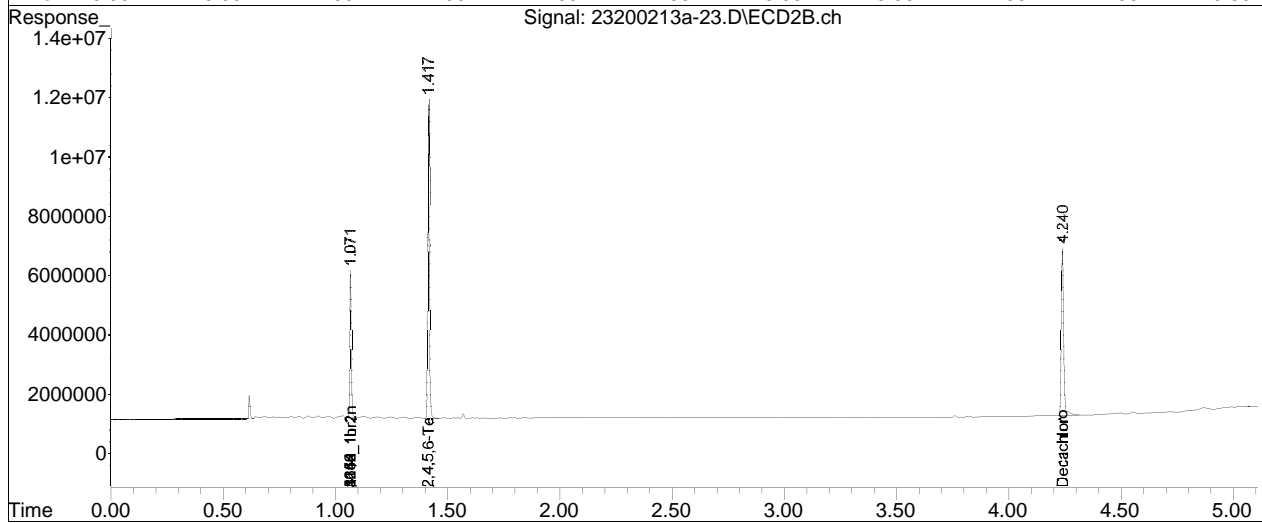
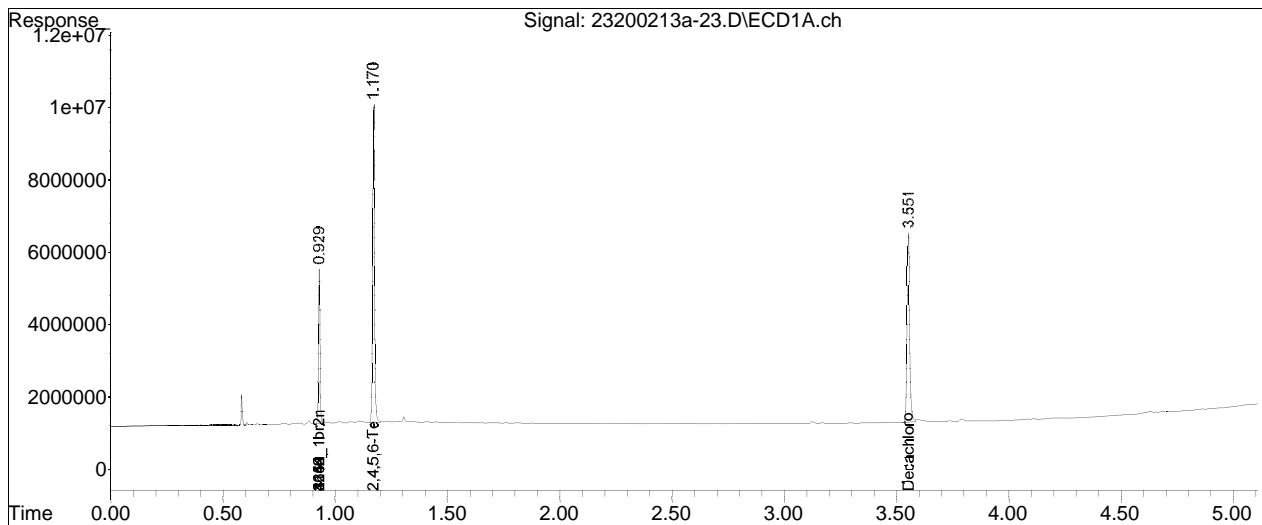
Sub List : Default - All compounds listed13a\23200213a-22.D••

Data Path : I:\Pest23\data\2020\23200213a\
Data File : 23200213a-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Feb 2020 03:34 pm
Operator : pest23:cw
Sample : wg1339677-1,42e,,
Misc : wg1340369,wg1339677,ical16474
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 12:51:06 2020
Quant Method : I:\Pest23\data\2020\23200213a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Thu Feb 13 21:09:39 2020
Response via : Initial Calibration
Integrator: ChemStation

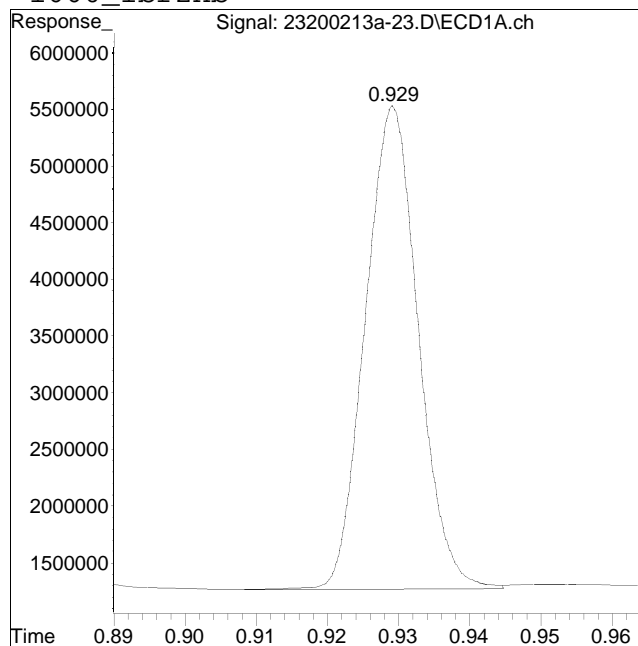
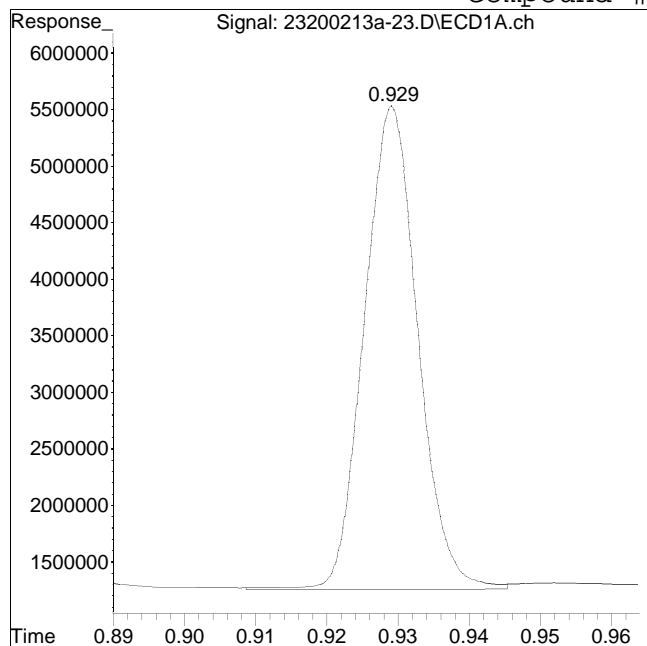
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-23.D Operator : pest23:cw
Date Inj'd : 2/13/2020 3:34 pm Instrument : Pest 23
Sample : wg1339677-1,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #1: 1660_1br2nb



Original Peak Response = 22354500

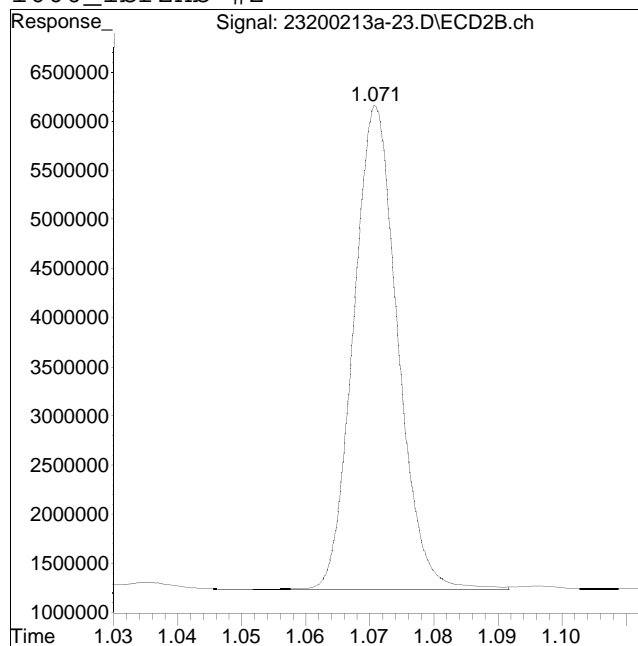
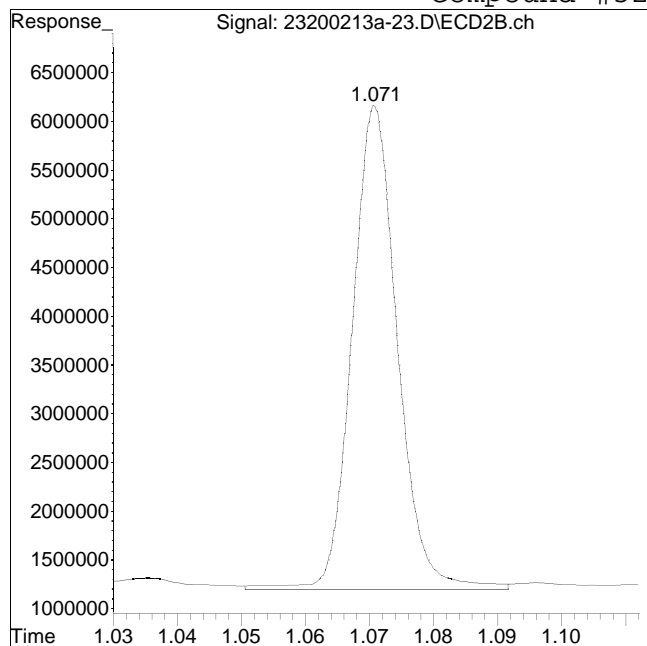
Manual Peak Response = 22073862 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-23.D Operator : pest23:cw
Date Inj'd : 2/13/2020 3:34 pm Instrument : Pest 23
Sample : wg1339677-1,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 24554208

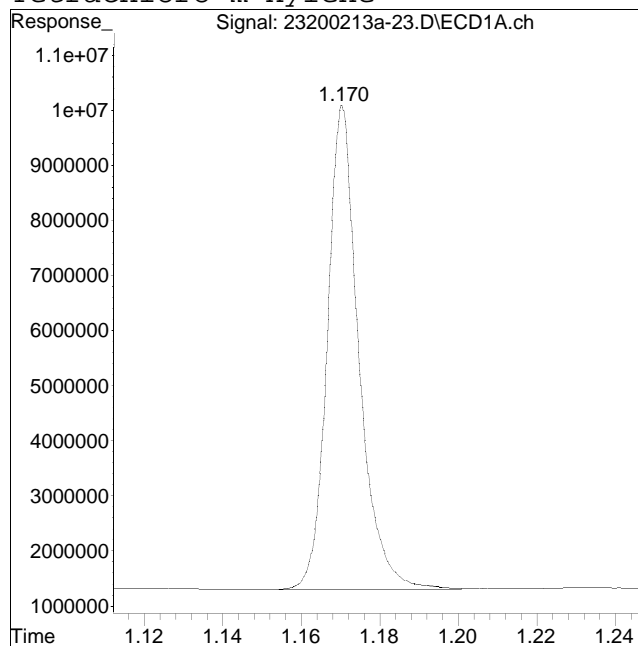
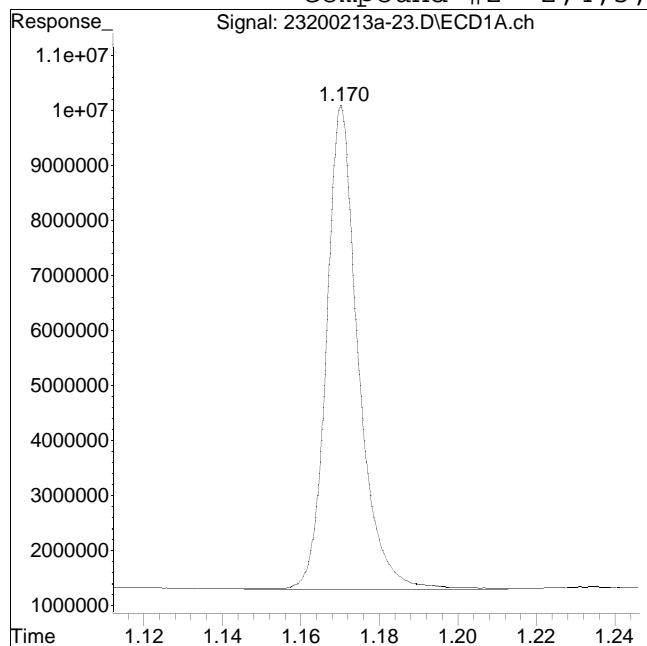
Manual Peak Response = 23602787 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-23.D Operator : pest23:cw
Date Inj'd : 2/13/2020 3:34 pm Instrument : Pest 23
Sample : wg1339677-1,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 49491562

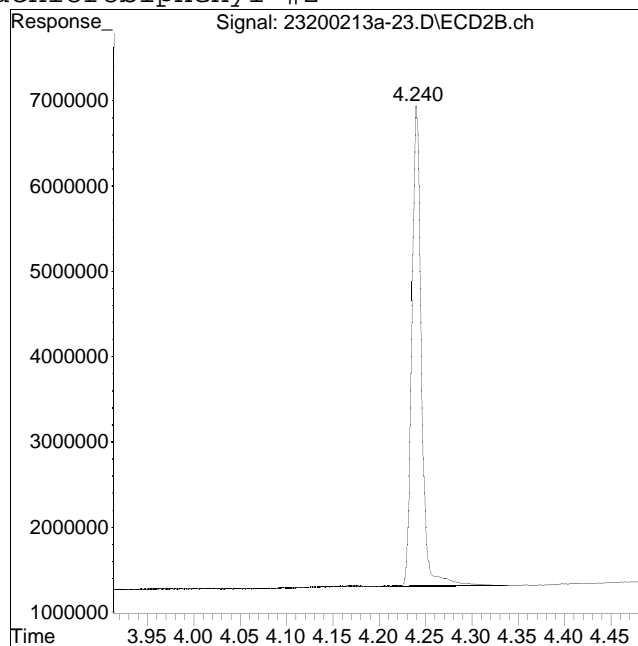
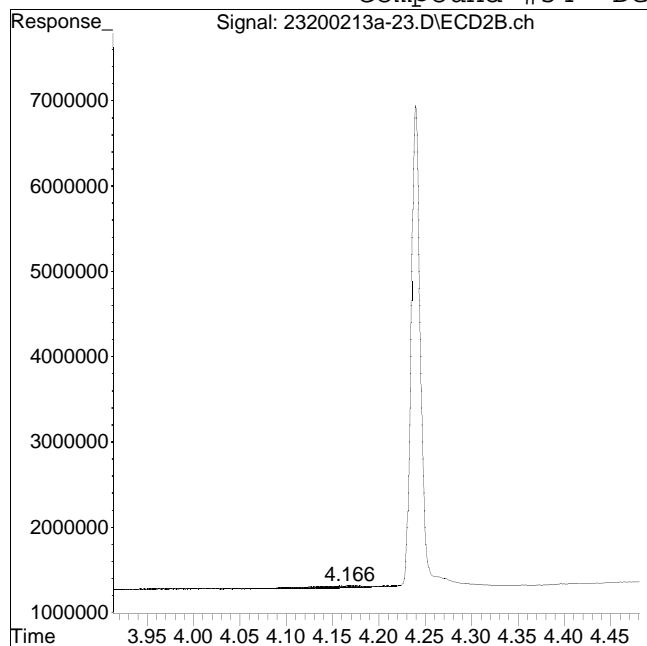
Manual Peak Response = 49043881 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200213a-23.D Operator : pest23:cw
Date Inj'd : 2/13/2020 3:34 pm Instrument : Pest 23
Sample : wg1339677-1,42e,, Quant Date : 2/16/2020 12:49 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 785385

Manual Peak Response = 40580201 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200214A\
 Data File : 13200214a-20.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Feb 2020 4:42 pm
 Operator : pest13:cw
 Sample : wg1340551-1,42e,,
 Misc : wg1340825,wg1340551,ical16298
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 14:29:55 2020
 Quant Method : I:\Pest13\200214A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200214A\13200214a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.154	2.161	589.7E6	1710.2E6	250.000	250.000
Standard Area 1 : #1 = 654597926					Recovery =	90.08%
Standard Area 1 : #2 = 1809473865					Recovery =	94.51%
14) i 2154_1br2nb	2.154	2.161	589.7E6	1710.2E6	250.000	250.000
23) i 4268_1br2nb	2.154	2.161	589.7E6	1710.2E6	250.000	250.000
34) i 1248_1br2nb	2.154	2.161	589.7E6	1710.2E6	250.000	250.000
40) i 3262_1br2nb	2.154	2.161	589.7E6	1710.2E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.634	2.754	852.3E6	2436.6E6	328.057	350.305
Spiked Amount 500.000	Range 30 - 150		Recovery =		65.61%	70.06%
3) s Decachlorobi	6.620	7.042	470.0E6	1187.5E6	234.468	321.951M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		46.89%	64.39%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200214A\
 Data File : 13200214a-20.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Feb 2020 4:42 pm
 Operator : pest13:cw
 Sample : wg1340551-1,42e,,
 Misc : wg1340825,wg1340551,ical16298
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 14:29:55 2020
 Quant Method : I:\Pest13\200214A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200214A\13200214a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200214A\
 Data File : 13200214a-20.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Feb 2020 4:42 pm
 Operator : pest13:cw
 Sample : wg1340551-1,42e,,
 Misc : wg1340825,wg1340551,ical16298
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 14:29:55 2020
 Quant Method : I:\Pest13\200214A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200214A\13200214a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

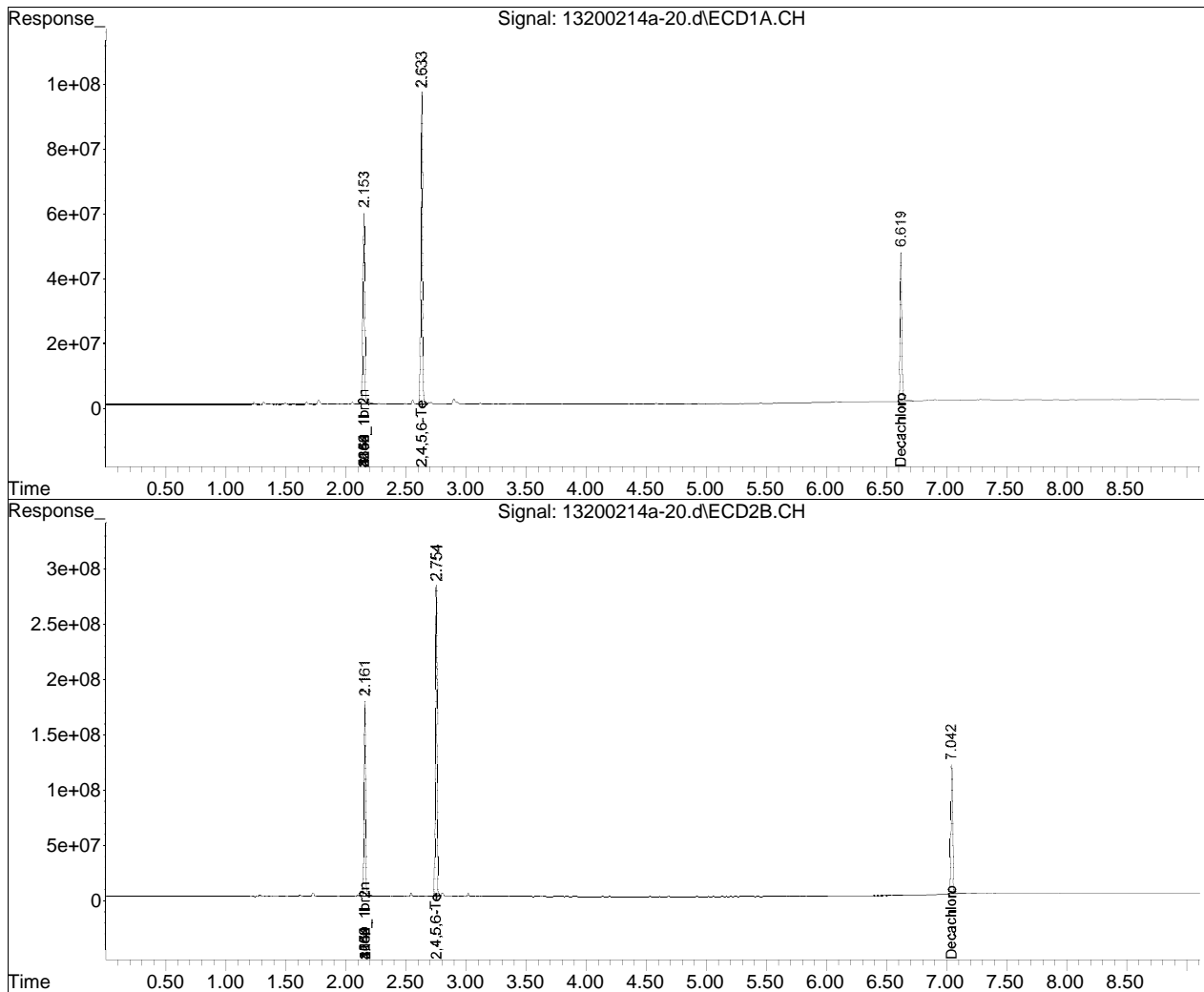
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest13\200214A\
Data File : 13200214a-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Feb 2020 4:42 pm
Operator : pest13:cw
Sample : wg1340551-1,42e,,
Misc : wg1340825,wg1340551,ical16298
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 16 14:29:55 2020
Quant Method : I:\Pest13\200214A\P13_pcb_11_14_19_ugL_ICAL16298.m
Quant Title : pcb
QLast Update : Wed Feb 12 21:30:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

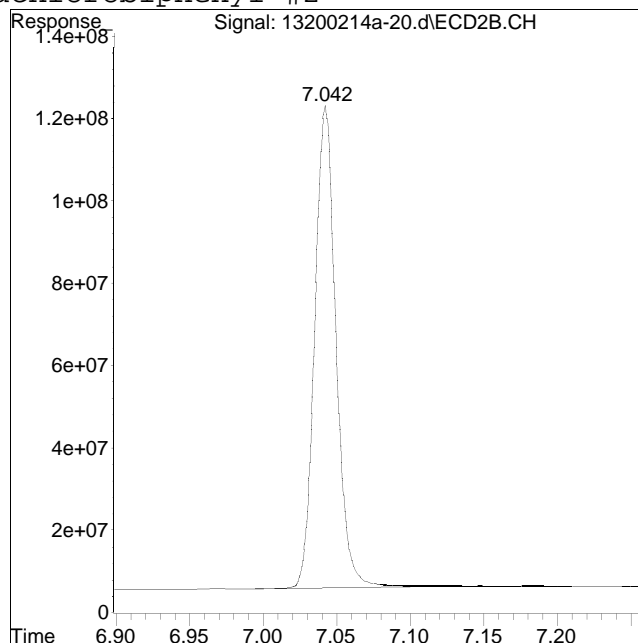
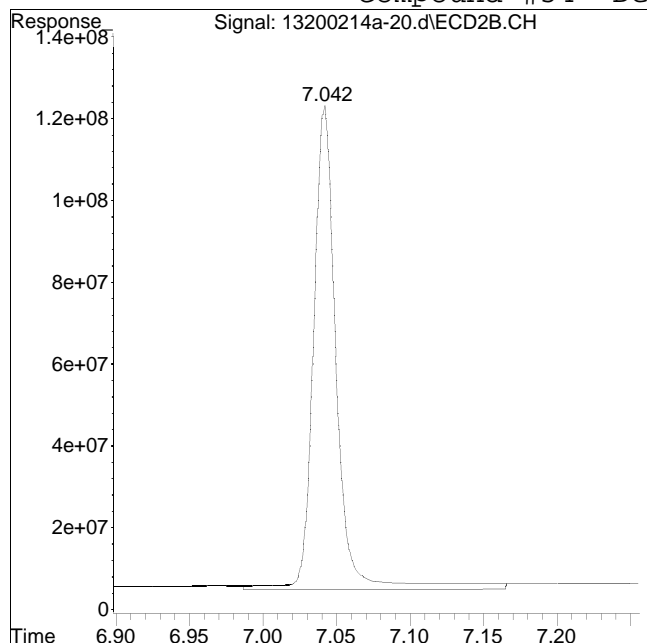


Manual Integration Report

Data Path : I:\Pest13\200214A\
Data File : 13200214a-20.d
Date Inj'd : 2/14/2020 4:42 pm
Sample : wg1340551-1,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/16/2020 2:28 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1313377034

Manual Peak Response = 1187450931 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 11:42 am
 Operator : pest2:aws
 Sample : wg1339313-1,42e,,
 Misc : wg1339494,wg1339313,ical16010
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 11 13:34:16 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200211A\P2200211a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.087	2.275	99102739	72162543	25.000	25.000
Standard Area 1 : #1 = 79154571					Recovery =	125.20%
Standard Area 1 : #2 = 59085668					Recovery =	122.13%
14) i 2154_1br2nb	2.087	2.275	99102739	72162543	25.000	25.000
23) i 4268_1br2nb	2.087	2.275	99102739	72162543	25.000	25.000
34) i 1248_1br2nb	2.087	2.275	99102739	72162543	25.000	25.000
40) i 3262_1br2nb	2.087	2.275	99102739	72162543	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.566	2.917	57098780	42795032	14.042	14.075
Spiked Amount 20.000	Range 30 - 150				Recovery =	70.21% 70.38%
3) s Decachlorobi	6.566	7.259	48614476	35368556	12.454	14.880
Spiked Amount 20.000	Range 30 - 150				Recovery =	62.27% 74.40%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 11:42 am
 Operator : pest2:aws
 Sample : wg1339313-1,42e,,
 Misc : wg1339494,wg1339313,ical16010
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 11 13:34:16 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200211A\P2200211a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D.	N.D.
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14	1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D.	N.D.
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 11:42 am
 Operator : pest2:aws
 Sample : wg1339313-1,42e,,
 Misc : wg1339494,wg1339313,ical16010
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 11 13:34:16 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200211A\P2200211a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

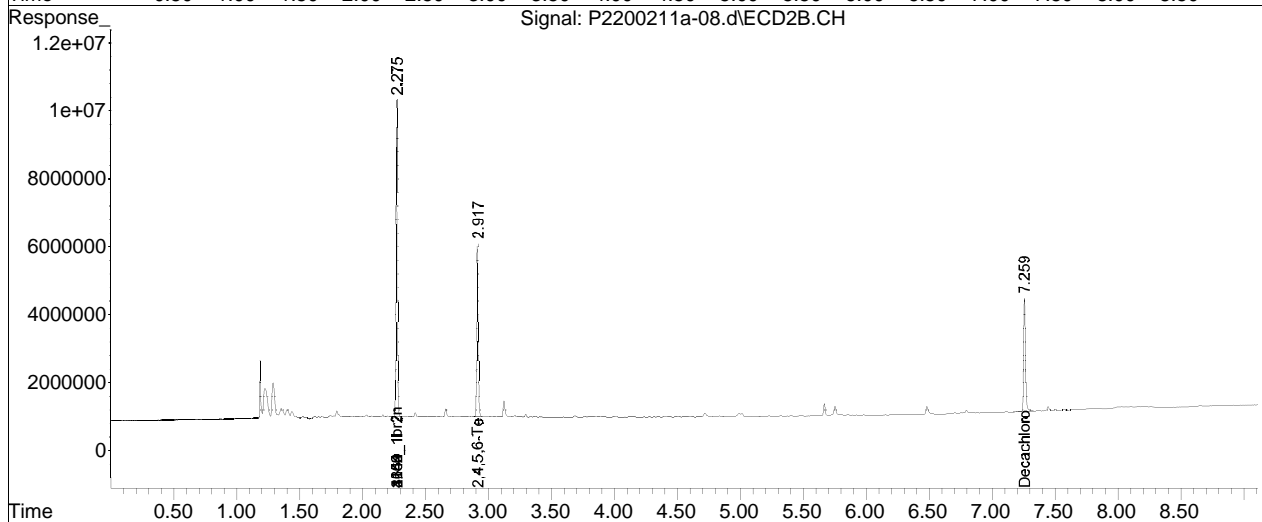
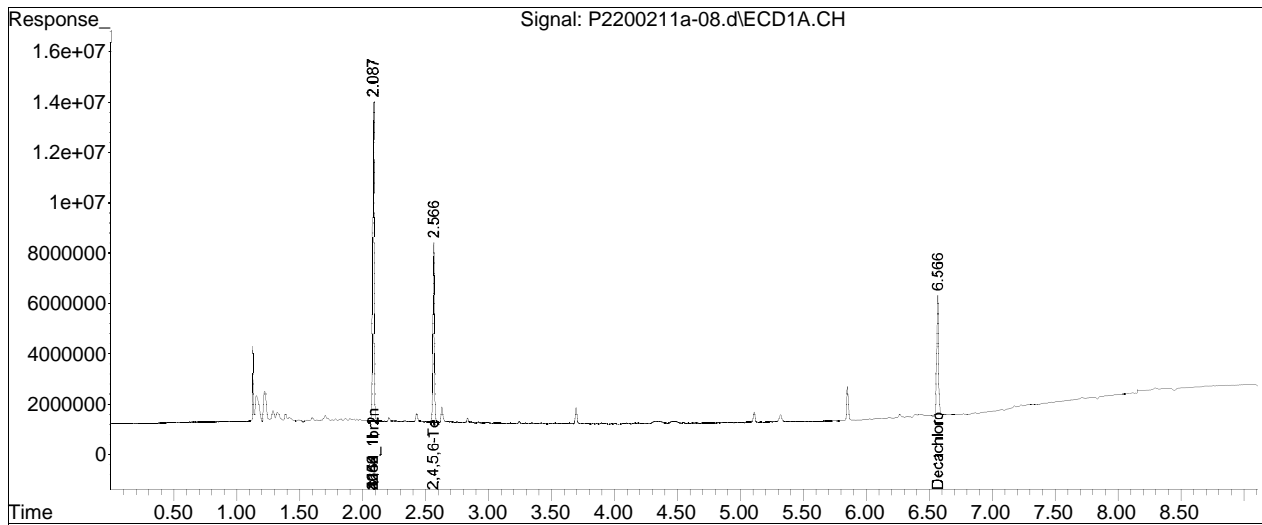
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200211A\
 Data File : P2200211a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Feb 2020 11:42 am
 Operator : pest2:aws
 Sample : wg1339313-1,42e,,
 Misc : wg1339494,wg1339313,ical16010
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 11 13:34:16 2020
 Quant Method : I:\Pest2\200211A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest2\200211A\	QMethod	: P2_pcb_08_06_19_LVI_ugL_
Data File	: P2200211a-08.d	Operator	: pest2:aws
Date Inj'd	: 2/11/2020 11:42 am	Instrument	: PEST 2
Sample	: wg1339313-1,42e,,	Quant Date	: 2/11/2020 1:21 pm

There are no manual integrations or false positives in this file.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-01	Date Collected : 02/10/20 09:39
Client ID : E-179-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/11/20 12:39
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339538.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 91
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	91.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-02	Date Collected : 02/10/20 09:47
Client ID : E-179-2.0-2.5	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/11/20 12:39
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339538.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 94
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	94.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-04	Date Collected : 02/10/20 10:12
Client ID : E-162-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/11/20 12:39
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339538.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-06	Date Collected : 02/10/20 10:37
Client ID : E-172-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/11/20 12:39
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339538.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-07	Date Collected : 02/10/20 10:45
Client ID : E-172-2.0-2.5	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/11/20 12:39
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339538.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-08	Date Collected : 02/10/20 11:53
Client ID : E-122-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/11/20 12:39
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339538.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 77
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	77.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-09	Date Collected : 02/10/20 12:07
Client ID : E-122-2.0-2.5	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/11/20 12:39
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339538.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 91
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	91.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-11	Date Collected : 02/10/20 12:37
Client ID : E-127-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/11/20 12:39
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339538.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-12	Date Collected : 02/10/20 12:51
Client ID : E-127-2.0-2.5	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/11/20 12:39
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339538.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-13	Date Collected : 02/10/20 00:00
Client ID : X-3-02102020	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/11/20 12:39
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339538.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-14	Date Collected : 02/10/20 13:28
Client ID : E-139-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/11/20 12:39
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339538.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2005946
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2005946-15	Date Collected : 02/10/20 13:58
Client ID : E-140-0.5-1.0	Date Received : 02/10/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/11/20 12:39
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339538.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.2	0.100	NA	





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Lab Number: L2006151

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

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**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0008.06		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2006151		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/11/2020		Date of Last Sample Receipt: 02/11/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-158_0.5-1.0	L2006151-01	AMTRAK-EAST BARRACKS	02/11/2020 09:20
E-201_0.5-1.0	L2006151-02	AMTRAK-EAST BARRACKS	02/11/2020 09:40
E-201_2.0-2.5	L2006151-03	AMTRAK-EAST BARRACKS	02/11/2020 09:52
E-150_0.5-1.0	L2006151-04	AMTRAK-EAST BARRACKS	02/11/2020 10:09
E-150_2.0-2.5	L2006151-05	AMTRAK-EAST BARRACKS	02/11/2020 10:34
E-163_0.5-1.0	L2006151-06	AMTRAK-EAST BARRACKS	02/11/2020 11:49
E-163_2.0-2.5	L2006151-07	AMTRAK-EAST BARRACKS	02/11/2020 11:54
E-163_3.5-4.0	L2006151-08	AMTRAK-EAST BARRACKS	02/11/2020 12:01
E-151_0.5-1.0	L2006151-09	AMTRAK-EAST BARRACKS	02/11/2020 11:50
E-177_0.5-1.0	L2006151-10	AMTRAK-EAST BARRACKS	02/11/2020 12:35
E-177_2.0-2.5	L2006151-11	AMTRAK-EAST BARRACKS	02/11/2020 12:46
E-177_3.5-4.0	L2006151-12	AMTRAK-EAST BARRACKS	02/11/2020 12:58
E-176_0.5-1.0	L2006151-13	AMTRAK-EAST BARRACKS	02/11/2020 13:39
E-176_2.0-2.5	L2006151-14	AMTRAK-EAST BARRACKS	02/11/2020 13:46
E-176_3.5-4.0	L2006151-15	AMTRAK-EAST BARRACKS	02/11/2020 13:53
X-4_02112020	L2006151-16	AMTRAK-EAST BARRACKS	02/11/2020 00:00
EB-4_02112020	L2006151-17	AMTRAK-EAST BARRACKS	02/11/2020 14:21

Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0008.06	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2006151	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/11/2020	Date of Last Sample Receipt: 02/11/2020

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.

Technical Director/Representative (Typed) Tiffani Morrissey	02/18/20
Technical Director/Representative (Signature) <i>Tiffani Morrissey</i>	

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E-176_0.5-1.0 (L2006151-13) Analyzed: 02/14/20 18:27 Chan. A&B	184
E-176_2.0-2.5 (L2006151-14) Analyzed: 02/14/20 18:34 Chan. A&B	202
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Chain of Custody



ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 19 2020, 04:53 pm

Login Number: L2006151

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0008.06

Received: 11FEB20 Due Date: 19FEB20

Sample #	Client ID	Mat PR Collected
L2006151-01	E-158_0.5-1.0	3 S0 11FEB20 09:20
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 02/19/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2006151-02	E-201_0.5-1.0	3 S0 11FEB20 09:40
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/19/20		
NJ-8082,TS		
L2006151-03	E-201_2.0-2.5	3 S0 11FEB20 09:52
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/19/20		
NJ-8082,TS		
L2006151-04	E-150_0.5-1.0	3 S0 11FEB20 10:09
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/19/20		
NJ-8082,TS		
L2006151-05	E-150_2.0-2.5	3 S0 11FEB20 10:34
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/19/20		
NJ-8082,TS		
L2006151-06	E-163_0.5-1.0	3 S0 11FEB20 11:49
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/19/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 19 2020, 04:53 pm

Login Number: L2006151

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 11FEB20 Due Date: 19FEB20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2006151-07 E-163_2.0-2.5 3 S0 11FEB20 11:54

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/19/20

NJ-8082,TS

L2006151-08 E-163_3.5-4.0 3 S0 11FEB20 12:01

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/19/20

HOLD-8082

L2006151-09 E-151_0.5-1.0 3 S0 11FEB20 11:50

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/19/20

NJ-8082,TS

L2006151-10 E-177_0.5-1.0 3 S0 11FEB20 12:35

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/19/20

NJ-8082,TS

L2006151-11 E-177_2.0-2.5 3 S0 11FEB20 12:46

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/19/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 19 2020, 04:53 pm

Login Number: L2006151

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 11FEB20 Due Date: 19FEB20

Sample #	Client ID	Mat PR Collected
L2006151-12	E-177_3.5-4.0	3 S0 11FEB20 12:58
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/19/20		
HOLD-8082		
L2006151-13	E-176_0.5-1.0	3 S0 11FEB20 13:39
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/19/20		
NJ-8082,TS		
L2006151-14	E-176_2.0-2.5	3 S0 11FEB20 13:46
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/19/20		
NJ-8082,TS		
L2006151-15	E-176_3.5-4.0	3 S0 11FEB20 13:53
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/19/20		
HOLD-8082		
L2006151-16	X-4_02112020	3 S0 11FEB20 00:00
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/19/20		
NJ-8082,TS		
L2006151-17	EB-4_02112020	1 S0 11FEB20 14:21
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/19/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 19 2020, 04:53 pm

Login Number: L2006151

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 11FEB20 Due Date: 19FEB20

Sample #	Client ID	Mat PR Collected
----------	-----------	------------------

NJ-8082-LVI

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006151-01A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY	W10-S3-C CUSTODY Phillip Renaud
L2006151-01A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2006151-01A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-01A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Brittney Kelley
L2006151-01A	Glass-A.06	INTACT	12-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006151-01A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-02A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY	W10-S3-C CUSTODY Phillip Renaud
L2006151-02A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2006151-02A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-02A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Brittney Kelley
L2006151-02A	Glass-A.06	INTACT	12-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006151-02A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-03A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY	W10-S3-C CUSTODY Phillip Renaud
L2006151-03A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2006151-03A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-03A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Brittney Kelley
L2006151-03A	Glass-A.06	INTACT	12-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006151-03A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-04A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY	W10-S3-C CUSTODY Phillip Renaud
L2006151-04A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2006151-04A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-04A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Brittney Kelley
L2006151-04A	Glass-A.06	INTACT	12-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006151-04A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-05A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY	W10-S3-C CUSTODY Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006151-05A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2006151-05A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-05A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Brittney Kelley
L2006151-05A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006151-05A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-06A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY	W10-S3-C CUSTODY Phillip Renaud
L2006151-06A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2006151-06A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-06A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Brittney Kelley
L2006151-06A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006151-06A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-07A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY	W10-S3-C CUSTODY Phillip Renaud
L2006151-07A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2006151-07A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-07A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Brittney Kelley
L2006151-07A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006151-07A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-08A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY	W10-S3-C CUSTODY Phillip Renaud
L2006151-08A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2006151-08A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-08A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Brittney Kelley
L2006151-08A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006151-08A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-09A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W15-S3-B	CUSTODY	W15-S3-B CUSTODY Brittney Kelley
L2006151-09A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006151-09A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W10-S3-C	CUSTODY Richmond Addai	ORGPREP	ORGPREP	Richmond Addai
L2006151-09A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY W10-S3-C	CUSTODY Phillip Renaud
L2006151-09A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Christopher Pou
L2006151-09A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-09A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY W13-S3-D	CUSTODY Brittney Kelley
L2006151-09A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2006151-09A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-10A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY W10-S3-C	CUSTODY Phillip Renaud
L2006151-10A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Christopher Pou
L2006151-10A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-10A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY W13-S3-D	CUSTODY Brittney Kelley
L2006151-10A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2006151-10A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-11A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY W10-S3-C	CUSTODY Phillip Renaud
L2006151-11A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Christopher Pou
L2006151-11A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-11A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY W13-S3-D	CUSTODY Brittney Kelley
L2006151-11A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2006151-11A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-12A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY W10-S3-C	CUSTODY Phillip Renaud
L2006151-12A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Christopher Pou
L2006151-12A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-12A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY W13-S3-D	CUSTODY Brittney Kelley
L2006151-12A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2006151-12A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006151-13A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY	W10-S3-C CUSTODY Phillip Renaud
L2006151-13A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2006151-13A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-13A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Brittney Kelley
L2006151-13A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006151-13A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-14A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY	W10-S3-C CUSTODY Phillip Renaud
L2006151-14A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2006151-14A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-14A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Brittney Kelley
L2006151-14A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006151-14A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-15A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY	W10-S3-C CUSTODY Phillip Renaud
L2006151-15A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2006151-15A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-15A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Brittney Kelley
L2006151-15A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006151-15A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-16A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W10-S3-C	CUSTODY	W10-S3-C CUSTODY Phillip Renaud
L2006151-16A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Christopher Pou
L2006151-16A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W13-S3-D	CUSTODY Frimpong Agyen	ORGPREP	ORGPREP	Frimpong Agyen
L2006151-16A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W13-S3-D	CUSTODY	W13-S3-D CUSTODY Brittney Kelley
L2006151-16A	Glass-A.06	INTACT	12-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006151-16A	Glass-A.06	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-17A	Amber-A.120	EMPTY	13-FEB-20		ORGPREP	John Awuah	CUSTODY	CUSTODY	John Awuah

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006151-17A Amber-A.120	INTACT	12-FEB-20		W22-S3-A	CUSTODY John Awuah	ORGPREP	ORGPREP	John Awuah
L2006151-17A Amber-A.120	INTACT	12-FEB-20	CUSTODY	CUSTODY	Brittney Kelley	W22-S3-A CUSTODY	W22-S3-A CUSTODY	Brittney Kelley
L2006151-17A Amber-A.120	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko
L2006151-17B Amber-A.120	INTACT	12-FEB-20	CUSTODY	CUSTODY	Brittney Kelley	W22-S3-A CUSTODY	W22-S3-A CUSTODY	Brittney Kelley
L2006151-17B Amber-A.120	INTACT	12-FEB-20	LOGIN	LOGIN	Elizabeth Oko	CUSTODY	CUSTODY	Elizabeth Oko

Methodology Review



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006151
Report Date: 02/18/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2006151

Report Date: 02/18/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2006151-01A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-02A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-03A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-04A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-05A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-06A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-07A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-08A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		HOLD-8082(14)
L2006151-09A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-10A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-11A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-12A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		HOLD-8082(14)
L2006151-13A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-14A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-15A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		HOLD-8082(14)
L2006151-16A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2006151-17A	Amber 120ml unpreserved	A	7	7	5.6	Y	Absent		NJ-8082-LVI(7)
L2006151-17B	Amber 120ml unpreserved	A	7	7	5.6	Y	Absent		NJ-8082-LVI(7)

*Values in parentheses indicate holding time in days

NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



**NJ DEP Data of Known Quality Protocols
 Conformance/Non-Conformance
 Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^{\circ} \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	YES
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	YES
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	NO

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006151
Report Date: 02/18/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006151
Report Date: 02/18/20

Case Narrative (continued)

Report Submission

February 18, 2020: This final report includes the results of all requested analyses.

February 18, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

Sample Receipt

L2006151-14: The collection date and time on the chain of custody was 11-FEB-20 13:46; however, the collection date and time on the container label was 11-FEB-20 13:49. At the client's request, the collection date and time is reported as 11-FEB-20 13:46.

L2006151-16: The sample identified as "X-4_02112020" on the chain of custody was identified as "X-3_02112020" on the container label. At the client's request, the sample is reported as "X-4_02112020".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Siffani Morrissey*

Report Date: 02/18/20

Title: Technical Director/Representative



Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006151
Report Date: 02/18/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006151
Report Date: 02/18/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Organics



**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-01	Date Collected : 02/11/20 09:20
Client ID : E-158_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 17:18
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-35	Analyst : AWS
Sample Amount : 15.22 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 82
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0400	0.00355	U
11104-28-2	Aroclor 1221	ND	0.0400	0.00401	U
11141-16-5	Aroclor 1232	ND	0.0400	0.00848	U
53469-21-9	Aroclor 1242	ND	0.0400	0.00539	U
12672-29-6	Aroclor 1248	ND	0.0400	0.00600	U
11097-69-1	Aroclor 1254	ND	0.0400	0.00438	U
11096-82-5	Aroclor 1260	0.652	0.0400	0.00739	
37324-23-5	Aroclor 1262	ND	0.0400	0.00508	U
11100-14-4	Aroclor 1268	ND	0.0400	0.00414	U
1336-36-3	PCBs, Total	0.652	0.0400	0.00355	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-02D	Date Collected : 02/11/20 09:40
Client ID : E-201_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 15:32
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 16200215a-20	Analyst : HT
Sample Amount : 15.02 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.189	0.0168	U
11104-28-2	Aroclor 1221	ND	0.189	0.0190	U
11141-16-5	Aroclor 1232	ND	0.189	0.0401	U
53469-21-9	Aroclor 1242	ND	0.189	0.0255	U
12672-29-6	Aroclor 1248	ND	0.189	0.0284	U
11097-69-1	Aroclor 1254	ND	0.189	0.0207	U
11096-82-5	Aroclor 1260	1.73	0.189	0.0350	
37324-23-5	Aroclor 1262	ND	0.189	0.0240	U
11100-14-4	Aroclor 1268	ND	0.189	0.0196	U
1336-36-3	PCBs, Total	1.73	0.189	0.0168	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-03D	Date Collected : 02/11/20 09:52
Client ID : E-201_2.0-2.5	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 15:44
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 16200215a-21	Analyst : HT
Sample Amount : 15.32 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.184	0.0163	U
11104-28-2	Aroclor 1221	ND	0.184	0.0184	U
11141-16-5	Aroclor 1232	ND	0.184	0.0390	U
53469-21-9	Aroclor 1242	ND	0.184	0.0248	U
12672-29-6	Aroclor 1248	ND	0.184	0.0276	U
11097-69-1	Aroclor 1254	ND	0.184	0.0201	U
37324-23-5	Aroclor 1262	ND	0.184	0.0234	U
11100-14-4	Aroclor 1268	ND	0.184	0.0190	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006151-03D Client ID : E-201_2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200215a-21 Sample Amount : 15.32 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006151 Project Number : 277710568.0008.06 Date Collected : 02/11/20 09:52 Date Received : 02/11/20 Date Analyzed : 02/15/20 15:44 Date Extracted : 02/13/20 Dilution Factor : 5 Analyst : HT Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 89 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.832	0.184	0.0340	
1336-36-3	PCBs, Total	0.832	0.184	0.0163	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-04	Date Collected : 02/11/20 10:09
Client ID : E-150_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 17:39
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-38	Analyst : AWS
Sample Amount : 15.31 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0381	0.00338	U
11104-28-2	Aroclor 1221	ND	0.0381	0.00382	U
11141-16-5	Aroclor 1232	ND	0.0381	0.00808	U
53469-21-9	Aroclor 1242	ND	0.0381	0.00514	U
12672-29-6	Aroclor 1248	ND	0.0381	0.00572	U
11097-69-1	Aroclor 1254	ND	0.0381	0.00417	U
11096-82-5	Aroclor 1260	0.169	0.0381	0.00704	
37324-23-5	Aroclor 1262	ND	0.0381	0.00484	U
11100-14-4	Aroclor 1268	ND	0.0381	0.00395	U
1336-36-3	PCBs, Total	0.169	0.0381	0.00338	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006151
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006151-05	Date Collected	: 02/11/20 10:34
Client ID	: E-150_2.0-2.5	Date Received	: 02/11/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/14/20 17:46
Sample Matrix	: SOIL	Date Extracted	: 02/13/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19200214a-39	Analyst	: AWS
Sample Amount	: 15.97 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 80
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0394	0.00350	U
11104-28-2	Aroclor 1221	ND	0.0394	0.00395	U
11141-16-5	Aroclor 1232	ND	0.0394	0.00835	U
53469-21-9	Aroclor 1242	ND	0.0394	0.00531	U
12672-29-6	Aroclor 1248	ND	0.0394	0.00591	U
11097-69-1	Aroclor 1254	ND	0.0394	0.00431	U
11096-82-5	Aroclor 1260	0.0185	0.0394	0.00728	J
37324-23-5	Aroclor 1262	ND	0.0394	0.00500	U
11100-14-4	Aroclor 1268	ND	0.0394	0.00408	U
1336-36-3	PCBs, Total	0.0185	0.0394	0.00350	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-06	Date Collected : 02/11/20 11:49
Client ID : E-163_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 17:53
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-40	Analyst : AWS
Sample Amount : 15.93 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0360	0.00320	U
11104-28-2	Aroclor 1221	ND	0.0360	0.00361	U
11141-16-5	Aroclor 1232	ND	0.0360	0.00764	U
53469-21-9	Aroclor 1242	ND	0.0360	0.00486	U
12672-29-6	Aroclor 1248	ND	0.0360	0.00540	U
11097-69-1	Aroclor 1254	ND	0.0360	0.00394	U
11096-82-5	Aroclor 1260	0.0344	0.0360	0.00666	J
37324-23-5	Aroclor 1262	ND	0.0360	0.00458	U
11100-14-4	Aroclor 1268	ND	0.0360	0.00373	U
1336-36-3	PCBs, Total	0.0344	0.0360	0.00320	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-07	Date Collected : 02/11/20 11:54
Client ID : E-163_2.0-2.5	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 18:00
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-41	Analyst : AWS
Sample Amount : 15.51 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 90
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0357	0.00317	U
11104-28-2	Aroclor 1221	ND	0.0357	0.00358	U
11141-16-5	Aroclor 1232	ND	0.0357	0.00757	U
53469-21-9	Aroclor 1242	ND	0.0357	0.00481	U
12672-29-6	Aroclor 1248	ND	0.0357	0.00536	U
11097-69-1	Aroclor 1254	ND	0.0357	0.00390	U
11096-82-5	Aroclor 1260	ND	0.0357	0.00660	U
37324-23-5	Aroclor 1262	ND	0.0357	0.00453	U
11100-14-4	Aroclor 1268	ND	0.0357	0.00370	U
1336-36-3	PCBs, Total	ND	0.0357	0.00317	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-09	Date Collected : 02/11/20 11:50
Client ID : E-151_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 17:57
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200214a-19	Analyst : CW
Sample Amount : 15.66 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 92
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0349	0.00310	U
11104-28-2	Aroclor 1221	ND	0.0349	0.00350	U
11141-16-5	Aroclor 1232	ND	0.0349	0.00740	U
53469-21-9	Aroclor 1242	ND	0.0349	0.00470	U
12672-29-6	Aroclor 1248	ND	0.0349	0.00523	U
11097-69-1	Aroclor 1254	ND	0.0349	0.00382	U
37324-23-5	Aroclor 1262	ND	0.0349	0.00443	U
11100-14-4	Aroclor 1268	ND	0.0349	0.00362	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006151-09 Client ID : E-151_0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200214a-19 Sample Amount : 15.66 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006151 Project Number : 277710568.0008.06 Date Collected : 02/11/20 11:50 Date Received : 02/11/20 Date Analyzed : 02/14/20 17:57 Date Extracted : 02/13/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 92 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.391	0.0349	0.00645	
1336-36-3	PCBs, Total	0.391	0.0349	0.00310	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-10	Date Collected : 02/11/20 12:35
Client ID : E-177_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 18:06
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-42	Analyst : AWS
Sample Amount : 15.44 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 90
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0361	0.00320	U
11104-28-2	Aroclor 1221	ND	0.0361	0.00362	U
11141-16-5	Aroclor 1232	ND	0.0361	0.00765	U
53469-21-9	Aroclor 1242	ND	0.0361	0.00487	U
12672-29-6	Aroclor 1248	ND	0.0361	0.00542	U
11097-69-1	Aroclor 1254	ND	0.0361	0.00395	U
11096-82-5	Aroclor 1260	0.0103	0.0361	0.00667	J
37324-23-5	Aroclor 1262	ND	0.0361	0.00458	U
11100-14-4	Aroclor 1268	ND	0.0361	0.00374	U
1336-36-3	PCBs, Total	0.0103	0.0361	0.00320	J



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-11	Date Collected : 02/11/20 12:46
Client ID : E-177_2.0-2.5	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 18:13
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-43	Analyst : AWS
Sample Amount : 15.64 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0361	0.00320	U
11104-28-2	Aroclor 1221	ND	0.0361	0.00362	U
11141-16-5	Aroclor 1232	ND	0.0361	0.00765	U
53469-21-9	Aroclor 1242	ND	0.0361	0.00486	U
12672-29-6	Aroclor 1248	ND	0.0361	0.00541	U
11097-69-1	Aroclor 1254	ND	0.0361	0.00395	U
11096-82-5	Aroclor 1260	ND	0.0361	0.00667	U
37324-23-5	Aroclor 1262	ND	0.0361	0.00458	U
11100-14-4	Aroclor 1268	ND	0.0361	0.00374	U
1336-36-3	PCBs, Total	ND	0.0361	0.00320	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-13	Date Collected : 02/11/20 13:39
Client ID : E-176_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 18:27
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-45	Analyst : AWS
Sample Amount : 15.09 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 84
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0395	0.00351	U
11104-28-2	Aroclor 1221	ND	0.0395	0.00396	U
11141-16-5	Aroclor 1232	ND	0.0395	0.00837	U
53469-21-9	Aroclor 1242	ND	0.0395	0.00532	U
12672-29-6	Aroclor 1248	ND	0.0395	0.00592	U
11096-82-5	Aroclor 1260	0.0269	0.0395	0.00730	J
37324-23-5	Aroclor 1262	ND	0.0395	0.00502	U
11100-14-4	Aroclor 1268	ND	0.0395	0.00409	U



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006151-13 Client ID : E-176_0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200214a-45 Sample Amount : 15.09 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006151 Project Number : 277710568.0008.06 Date Collected : 02/11/20 13:39 Date Received : 02/11/20 Date Analyzed : 02/14/20 18:27 Date Extracted : 02/13/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 84 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.0587	0.0395	0.00432	
1336-36-3	PCBs, Total	0.0856	0.0395	0.00351	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-14	Date Collected : 02/11/20 13:46
Client ID : E-176_2.0-2.5	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 18:34
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-46	Analyst : AWS
Sample Amount : 15.27 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0388	0.00344	U
11104-28-2	Aroclor 1221	ND	0.0388	0.00388	U
11141-16-5	Aroclor 1232	ND	0.0388	0.00822	U
53469-21-9	Aroclor 1242	ND	0.0388	0.00522	U
12672-29-6	Aroclor 1248	ND	0.0388	0.00581	U
11097-69-1	Aroclor 1254	ND	0.0388	0.00424	U
11096-82-5	Aroclor 1260	ND	0.0388	0.00716	U
37324-23-5	Aroclor 1262	ND	0.0388	0.00492	U
11100-14-4	Aroclor 1268	ND	0.0388	0.00401	U
1336-36-3	PCBs, Total	ND	0.0388	0.00344	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006151
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006151-16	Date Collected	: 02/11/20 00:00
Client ID	: X-4_02112020	Date Received	: 02/11/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/14/20 22:40
Sample Matrix	: SOIL	Date Extracted	: 02/13/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19200214a-66	Analyst	: AWS
Sample Amount	: 15.36 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0378	0.00336	U
11104-28-2	Aroclor 1221	ND	0.0378	0.00379	U
11141-16-5	Aroclor 1232	ND	0.0378	0.00802	U
53469-21-9	Aroclor 1242	ND	0.0378	0.00510	U
12672-29-6	Aroclor 1248	ND	0.0378	0.00568	U
11097-69-1	Aroclor 1254	ND	0.0378	0.00414	U
11096-82-5	Aroclor 1260	ND	0.0378	0.00699	U
37324-23-5	Aroclor 1262	ND	0.0378	0.00481	U
11100-14-4	Aroclor 1268	ND	0.0378	0.00392	U
1336-36-3	PCBs, Total	ND	0.0378	0.00336	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-17	Date Collected : 02/11/20 14:21
Client ID : EB-4_02112020	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:52
Sample Matrix : WATER	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200213a-15	Analyst : AWS
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006151-17 Client ID : EB-4_02112020 Sample Location : TRENTON, NJ Sample Matrix : WATER Analytical Method : 1,8082A Lab File ID : P2200213a-15 Sample Amount : 140 ml Extraction Method : EPA 3510C Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006151 Project Number : 277710568.0008.06 Date Collected : 02/11/20 14:21 Date Received : 02/11/20 Date Analyzed : 02/13/20 13:52 Date Extracted : 02/13/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST2 GC Column : CLP-PesticideII %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12672-29-6	Aroclor 1248	0.158	0.250	0.049	J
1336-36-3	PCBs, Total	0.158	0.250	0.032	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1340200-1	Date Collected : NA
Client ID : WG1340200-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/14/20 16:37
Sample Matrix : SOIL	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200214a-29	Analyst : AWS
Sample Amount : 15.04 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0332	0.00295	U
11104-28-2	Aroclor 1221	ND	0.0332	0.00333	U
11141-16-5	Aroclor 1232	ND	0.0332	0.00705	U
53469-21-9	Aroclor 1242	ND	0.0332	0.00448	U
12672-29-6	Aroclor 1248	ND	0.0332	0.00499	U
11097-69-1	Aroclor 1254	ND	0.0332	0.00364	U
11096-82-5	Aroclor 1260	ND	0.0332	0.00614	U
37324-23-5	Aroclor 1262	ND	0.0332	0.00422	U
11100-14-4	Aroclor 1268	ND	0.0332	0.00344	U
1336-36-3	PCBs, Total	ND	0.0332	0.00295	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1340209-1	Date Collected : NA
Client ID : WG1340209-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/13/20 12:17
Sample Matrix : WATER	Date Extracted : 02/13/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200213a-08	Analyst : AWS
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : WG1340209-1 Client ID : WG1340209-1BLANK Sample Location : Sample Matrix : WATER Analytical Method : 1,8082A Lab File ID : P2200213a-08 Sample Amount : 140 ml Extraction Method : EPA 3510C Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006151 Project Number : 277710568.0008.06 Date Collected : NA Date Received : NA Date Analyzed : 02/13/20 12:17 Date Extracted : 02/13/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST2 GC Column : CLP-PesticideII %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12672-29-6	Aroclor 1248	0.112	0.250	0.049	J
1336-36-3	PCBs, Total	0.112	0.250	0.032	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006151
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: WG1340606-1	Date Collected	: NA
Client ID	: WG1340606-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/14/20 11:23
Sample Matrix	: SOIL	Date Extracted	: 02/13/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19200214a-08	Analyst	: AWS
Sample Amount	: 15.67 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0319	0.00283	U
11104-28-2	Aroclor 1221	ND	0.0319	0.00320	U
11141-16-5	Aroclor 1232	ND	0.0319	0.00676	U
53469-21-9	Aroclor 1242	ND	0.0319	0.00430	U
12672-29-6	Aroclor 1248	ND	0.0319	0.00479	U
11097-69-1	Aroclor 1254	ND	0.0319	0.00349	U
11096-82-5	Aroclor 1260	ND	0.0319	0.00590	U
37324-23-5	Aroclor 1262	ND	0.0319	0.00405	U
11100-14-4	Aroclor 1268	ND	0.0319	0.00330	U
1336-36-3	PCBs, Total	ND	0.0319	0.00283	U



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1340209-1	Lab File ID : P2200213a-08
Matrix : WATER	Extraction Date : 02/13/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/13/20 12:17	Analysis Date (2) : 02/13/20 12:17
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1340209-2LCS	WG1340209-2	02/13/20 12:30	02/13/20 12:30
WG1340209-3LCSD	WG1340209-3	02/13/20 12:44	02/13/20 12:44
EB-4_02112020	L2006151-17	02/13/20 13:52	02/13/20 13:52



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1340606-1	Lab File ID : 19200214a-08
Matrix : SOIL	Extraction Date : 02/13/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/14/20 11:23	Analysis Date (2) : 02/14/20 11:23
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1340606-2LCS	WG1340606-2	02/14/20 11:30	02/14/20 11:30
WG1340606-3LCSD	WG1340606-3	02/14/20 11:37	02/14/20 11:37
E-151_0.5-1.0	L2006151-09	02/14/20 17:57	02/14/20 17:57



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1340200-1	Lab File ID : 19200214a-29
Matrix : SOIL	Extraction Date : 02/13/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/14/20 16:37	Analysis Date (2) : 02/14/20 16:37
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1340200-2LCS	WG1340200-2	02/14/20 16:44	02/14/20 16:44
WG1340200-3LCSD	WG1340200-3	02/14/20 16:51	02/14/20 16:51
E-158_0.5-1.0	L2006151-01	02/14/20 17:18	02/14/20 17:18
E-150_0.5-1.0	L2006151-04	02/14/20 17:39	02/14/20 17:39
E-150_2.0-2.5	L2006151-05	02/14/20 17:46	02/14/20 17:46
E-163_0.5-1.0	L2006151-06	02/14/20 17:53	02/14/20 17:53
E-163_2.0-2.5	L2006151-07	02/14/20 18:00	02/14/20 18:00
E-177_0.5-1.0	L2006151-10	02/14/20 18:06	02/14/20 18:06
E-177_2.0-2.5	L2006151-11	02/14/20 18:13	02/14/20 18:13
E-176_0.5-1.0	L2006151-13	02/14/20 18:27	02/14/20 18:27
E-176_2.0-2.5	L2006151-14	02/14/20 18:34	02/14/20 18:34
X-4_02112020	L2006151-16	02/14/20 22:40	02/14/20 22:40
E-201_0.5-1.0	L2006151-02D	02/15/20 15:32	02/15/20 15:32
E-201_2.0-2.5	L2006151-03D	02/15/20 15:44	02/15/20 15:44



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVIIi-17.d 2 =P2190806LVIIi-03.d 3 =P2190806LVIIi-04.d 4 =P2190806LVIIi-08.d
 5 =P2190806LVIIi-06.d 6 =P2190806LVIIi-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006151
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST2	Ical Ref	: ICAL16010
Calibration dates	: 08/06/19 03:29 08/06/19 07:39		

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD

37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb				-----ISTD-----				
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.580	1.358	1.329	1.239	1.126	1.195	1.305	12.25
3) s Decachlorobiphenyl	1.366	1.092	1.055	0.972	0.874	0.920	1.047	16.84
4) 11 1016-1	0.030	0.027	0.026	0.023	0.020	0.021	0.025	15.05
5) 11 1016-2	0.063	0.058	0.056	0.049	0.043	0.045	0.052	14.74
6) 11 1016-3	0.132	0.115	0.110	0.100	0.090	0.094	0.107	14.46
7) 11 1016-4	0.058	0.050	0.047	0.042	0.037	0.038	0.045	17.00
8) 11 1016-5	0.057	0.052	0.050	0.045	0.039	0.040	0.047	14.50
9) 12 1260-1	0.082	0.071	0.068	0.061	0.055	0.057	0.066	15.59
10) 12 1260-2	0.123	0.106	0.102	0.092	0.084	0.087	0.099	14.62
11) 12 1260-3	0.078	0.071	0.066	0.060	0.054	0.058	0.064	14.14
12) 12 1260-4	0.160	0.144	0.139	0.128	0.118	0.124	0.136	11.47
13) 12 1260-5	0.093	0.111	0.107	0.097	0.089	0.091	0.098	9.07
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.020	0.017	0.015	0.015	0.013	0.012	0.015	17.65
16) 13 1221-3	0.011	0.011	0.010	0.010	0.008	0.008	0.010	13.69
17) 13 1221-4	0.042	0.038	0.034	0.033	0.029	0.027	0.034	16.48
18) 14 1254-1	0.062	0.055	0.049	0.047	0.042	0.040	0.049	16.73
19) 14 1254-2	0.106	0.096	0.086	0.083	0.073	0.071	0.086	15.76
20) 14 1254-3	0.110	0.090	0.082	0.080	0.072	0.070	0.084	17.30
21) 14 1254-4	0.083	0.072	0.065	0.063	0.057	0.055	0.066	15.49
22) 14 1254-5	0.118	0.101	0.092	0.089	0.079	0.077	0.093	16.35
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.025	0.022	0.021	0.018	0.017	0.015	0.020	18.24
25) 16 1242-2	0.055	0.048	0.044	0.039	0.036	0.033	0.042	18.86
26) 16 1242-3	0.111	0.093	0.087	0.077	0.075	0.070	0.086	17.57
27) 16 1242-4	0.050	0.043	0.041	0.037	0.035	0.031	0.039	16.54
28) 16 1242-5	0.037	0.031	0.030	0.026	0.025	0.023	0.029	17.46
29) 19 1268-1	0.229	0.190	0.181	0.166	0.163	0.151	0.180	15.35
30) 19 1268-2	0.231	0.194	0.186	0.168	0.166	0.153	0.183	15.09
31) 19 1268-3	0.160	0.133	0.126	0.115	0.113	0.105	0.125	15.67
32) 19 1268-4	0.089	0.068	0.065	0.059	0.057	0.053	0.065	19.71
33) 19 1268-5	0.421	0.356	0.348	0.321	0.319	0.290	0.343	13.13
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.043	0.039	0.036	0.033	0.030	0.029	0.035	16.12
36) 17 1248-2	0.049	0.048	0.044	0.039	0.036	0.034	0.042	14.96



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.078	0.073	0.065	0.060	0.058	0.070	16.34
38) 17 1248-4	0.071	0.067	0.061	0.057	0.052	0.050	0.060	13.60
39) 17 1248-5	0.062	0.061	0.055	0.049	0.046	0.044	0.053	14.64
40) i 3262_1br2nb	----- ISTD -----							
41) 15 1232-1	0.030	0.029	0.027	0.024	0.022	0.021	0.025	15.00
42) 15 1232-2	0.028	0.028	0.026	0.023	0.021	0.020	0.024	13.93
43) 15 1232-3	0.059	0.055	0.052	0.046	0.044	0.043	0.050	12.96
44) 15 1232-4	0.024	0.024	0.022	0.020	0.019	0.018	0.021	11.43
45) 15 1232-5	0.016	0.018	0.016	0.014	0.014	0.013	0.015	12.09
46) 18 1262-1	0.081	0.072	0.069	0.061	0.059	0.056	0.066	14.22
47) 18 1262-2	0.107	0.090	0.084	0.074	0.072	0.068	0.083	17.55
48) 18 1262-3	0.087	0.080	0.077	0.069	0.068	0.064	0.074	11.54
49) 18 1262-4	0.169	0.150	0.144	0.133	0.131	0.125	0.142	11.28
50) 18 1262-5	0.060	0.057	0.054	0.049	0.047	0.044	0.052	11.69



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006151
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST19	Ical Ref	: ICAL16321
Calibration dates	: 11/20/19 11:11 11/20/19 14:31		

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.481	1.319	1.295	1.217	1.125	1.224	1.277	9.48
3) s Decachlorobip	1.275	1.122	1.094	1.019	0.936	1.017	1.077	10.84
4) 11 1016-1	0.028	0.025	0.025	0.022	0.020	0.021	0.023	13.02
5) 11 1016-2	0.056	0.057	0.056	0.048	0.043	0.045	0.051	11.93
6) 11 1016-3	0.116	0.106	0.108	0.098	0.089	0.096	0.102	9.45
7) 11 1016-4	0.046	0.044	0.045	0.039	0.034	0.036	0.041	11.95
8) 11 1016-5	0.036	0.036	0.035	0.032	0.028	0.030	0.033	10.17
9) 12 1260-1	0.075	0.071	0.070	0.065	0.059	0.063	0.067	9.23
10) 12 1260-2	0.090	0.082	0.082	0.076	0.069	0.074	0.079	9.36
11) 12 1260-3	0.075	0.074	0.072	0.066	0.061	0.065	0.069	8.28
12) 12 1260-4	0.167	0.150	0.147	0.138	0.128	0.139	0.145	9.27
13) 12 1260-5	0.113	0.106	0.104	0.097	0.088	0.095	0.101	8.80
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.016	0.014	0.014	0.012	0.011	0.014	11.49
16) 13 1221-3	0.009	0.010	0.009	0.009	0.008	0.007	0.009	11.04
17) 13 1221-4	0.034	0.035	0.032	0.033	0.029	0.027	0.031	10.09
18) 14 1254-1	0.064	0.056	0.053	0.052	0.047	0.045	0.053	12.85
19) 14 1254-2	0.071	0.066	0.062	0.060	0.054	0.051	0.061	12.28
20) 14 1254-3	0.103	0.088	0.081	0.082	0.074	0.072	0.083	13.26
21) 14 1254-4	0.074	0.065	0.060	0.060	0.054	0.052	0.061	12.82
22) 14 1254-5	0.116	0.099	0.091	0.092	0.082	0.079	0.093	14.34
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.021	0.019	0.017	0.016	0.015	0.018	12.72
25) 16 1242-2	0.048	0.044	0.042	0.039	0.035	0.033	0.040	13.60
26) 16 1242-3	0.098	0.087	0.083	0.076	0.072	0.069	0.081	13.09
27) 16 1242-4	0.031	0.029	0.028	0.026	0.024	0.023	0.027	11.68
28) 16 1242-5	0.032	0.031	0.029	0.026	0.024	0.023	0.028	13.65
29) 19 1268-1	0.223	0.199	0.188	0.180	0.173	0.166	0.188	10.92
30) 19 1268-2	0.221	0.216	0.191	0.181	0.175	0.167	0.192	11.50
31) 19 1268-3	0.155	0.135	0.129	0.123	0.119	0.114	0.129	11.34
32) 19 1268-4	0.076	0.071	0.067	0.063	0.059	0.057	0.065	10.84
33) 19 1268-5	0.427	0.373	0.365	0.355	0.344	0.324	0.365	9.61
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.034	0.032	0.029	0.029	0.033	12.92
36) 17 1248-2	0.047	0.044	0.041	0.038	0.036	0.034	0.040	12.71



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.056	0.052	0.049	0.045	0.044	0.051	10.97
38) 17 1248-4	0.061	0.063	0.058	0.054	0.051	0.050	0.056	9.27
39) 17 1248-5	0.069	0.070	0.064	0.060	0.057	0.056	0.063	9.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.027	0.025	0.023	0.021	0.021	0.024	13.92
42) 15 1232-2	0.030	0.026	0.026	0.023	0.022	0.021	0.024	13.66
43) 15 1232-3	0.052	0.051	0.048	0.044	0.042	0.041	0.046	10.00
44) 15 1232-4	0.015	0.015	0.015	0.014	0.014	0.013	0.014	7.89
45) 15 1232-5	0.016	0.015	0.015	0.014	0.014	0.013	0.014	8.16
46) 18 1262-1	0.060	0.060	0.058	0.053	0.053	0.050	0.055	7.71
47) 18 1262-2	0.090	0.087	0.082	0.075	0.074	0.071	0.080	9.98
48) 18 1262-3	0.082	0.080	0.080	0.072	0.072	0.068	0.076	7.32
49) 18 1262-4	0.160	0.150	0.149	0.138	0.138	0.132	0.144	6.99
50) 18 1262-5	0.058	0.059	0.054	0.050	0.048	0.047	0.053	10.11



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006151
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST16	Ical Ref	: ICAL16473
Calibration dates	: 01/29/20 19:58 01/30/20 22:51		

Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.194	1.129	1.148	1.145	1.181	1.188	1.164	2.31
3) s Decachlorobiphenyl	0.914	0.819	0.823	0.765	0.781	0.805	0.818	6.36
4) 11 1016-1	0.024	0.020	0.019	0.017	0.017	0.016	0.019	14.72
5) 11 1016-2	0.050	0.041	0.040	0.038	0.037	0.036	0.040	12.94
6) 11 1016-3	0.101	0.091	0.089	0.087	0.086	0.086	0.090	6.59
7) 11 1016-4	0.043	0.037	0.036	0.034	0.034	0.033	0.036	10.09
8) 11 1016-5	0.045	0.039	0.038	0.035	0.036	0.037	0.039	9.31
9) 12 1260-1	0.067	0.056	0.055	0.052	0.053	0.053	0.056	9.86
10) 12 1260-2	0.100	0.087	0.086	0.080	0.081	0.083	0.086	8.44
11) 12 1260-3	0.061	0.054	0.054	0.050	0.052	0.053	0.054	6.62
12) 12 1260-4	0.137	0.125	0.128	0.120	0.121	0.123	0.126	4.89
13) 12 1260-5	0.091	0.081	0.082	0.077	0.079	0.083	0.082	5.60
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.013	0.013	0.010	0.010	0.011		0.011	11.66
16) 13 1221-3	0.008	0.008	0.006	0.006	0.006		0.007	14.26
17) 13 1221-4	0.030	0.030	0.024	0.023	0.024		0.026	13.18
18) 14 1254-1	0.046	0.045	0.037	0.037	0.041	0.038	0.041	9.87
19) 14 1254-2	0.081	0.080	0.065	0.066	0.073	0.066	0.072	9.87
20) 14 1254-3	0.077	0.080	0.066	0.069	0.076	0.068	0.073	7.87
21) 14 1254-4	0.060	0.062	0.050	0.053	0.059	0.054	0.056	7.89
22) 14 1254-5	0.080	0.083	0.067	0.072	0.080	0.073	0.076	8.18
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.013	0.015	13.62
25) 16 1242-2	0.039	0.033	0.032	0.030	0.029	0.029	0.032	12.23
26) 16 1242-3	0.075	0.069	0.070	0.069	0.069	0.067	0.070	4.10
27) 16 1242-4	0.035	0.032	0.031	0.030	0.030	0.030	0.031	6.42
28) 16 1242-5	0.027	0.023	0.023	0.023	0.023	0.023	0.024	6.86
29) 19 1268-1	0.167	0.158	0.155	0.150	0.149	0.141	0.153	5.72
30) 19 1268-2	0.169	0.156	0.155	0.154	0.153	0.149	0.156	4.43
31) 19 1268-3	0.110	0.099	0.099	0.100	0.100	0.100	0.101	4.34
32) 19 1268-4	0.055	0.049	0.047	0.048	0.049	0.050	0.050	5.26
33) 19 1268-5	0.315	0.295	0.290	0.286	0.277	0.260	0.287	6.36
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.024	0.024	0.022	0.025	0.022	0.024	9.72
36) 17 1248-2	0.039	0.033	0.032	0.029	0.032	0.029	0.032	11.87



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Ical Ref : ICAL16473
Calibration dates : 01/29/20 19:58 01/30/20 22:51	

Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.051	0.049	0.045	0.050	0.045	0.050	9.61
38) 17 1248-4	0.052	0.045	0.044	0.042	0.047	0.041	0.045	8.78
39) 17 1248-5	0.042	0.038	0.037	0.035	0.039	0.035	0.038	7.09
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.025	0.023	0.021	0.020	0.019	0.017	0.021	13.76
42) 15 1232-2	0.023	0.021	0.020	0.019	0.018	0.017	0.020	11.36
43) 15 1232-3	0.045	0.046	0.042	0.042	0.043	0.039	0.043	5.48
44) 15 1232-4	0.020	0.019	0.017	0.017	0.017	0.016	0.018	9.18
45) 15 1232-5	0.015	0.014	0.013	0.013	0.013	0.012	0.013	9.53
46) 18 1262-1	0.066	0.063	0.057	0.058	0.059	0.053	0.059	7.58
47) 18 1262-2	0.081	0.079	0.071	0.073	0.073	0.066	0.074	7.40
48) 18 1262-3	0.072	0.070	0.064	0.066	0.067	0.060	0.067	6.37
49) 18 1262-4	0.145	0.148	0.135	0.138	0.140	0.123	0.138	6.27
50) 18 1262-5	0.045	0.043	0.039	0.041	0.042	0.039	0.041	5.63



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Ical Ref : ICAL16473
Calibration dates : 01/29/20 19:58 01/30/20 22:51	

Signal #2 Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.253	1.118	1.120	1.107	1.088	1.079	1.128	5.64
3) s Decachlorobip	0.732	0.629	0.628	0.593	0.589	0.621	0.632	8.22
4) 11 1016-1	0.024	0.020	0.019	0.017	0.016	0.016	*L	0.9979
5) 11 1016-2	0.052	0.043	0.041	0.038	0.036	0.035	*L	0.9987
6) 11 1016-3	0.104	0.089	0.087	0.083	0.079	0.078	*L	0.9993
7) 11 1016-4	0.040	0.034	0.033	0.031	0.030	0.029	*L	0.9994
8) 11 1016-5	0.034	0.027	0.026	0.025	0.025	0.025	*L	0.9999
9) 12 1260-1	0.061	0.051	0.049	0.047	0.046	0.047	0.050	11.70
10) 12 1260-2	0.069	0.060	0.059	0.055	0.054	0.055	0.059	9.61
11) 12 1260-3	0.055	0.047	0.046	0.044	0.043	0.045	0.047	8.76
12) 12 1260-4	0.109	0.098	0.098	0.093	0.091	0.094	0.097	6.76
13) 12 1260-5	0.076	0.065	0.065	0.062	0.062	0.065	0.066	7.93
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.013	0.013	0.011	0.010	0.010		*L	0.9965
16) 13 1221-3	0.008	0.008	0.007	0.006	0.006		*L	0.9952
17) 13 1221-4	0.032	0.031	0.025	0.023	0.023		*L	0.9957
18) 14 1254-1	0.049	0.047	0.038	0.038	0.041	0.038	0.042	12.15
19) 14 1254-2	0.041	0.041	0.033	0.034	0.037	0.034	0.036	10.07
20) 14 1254-3	0.084	0.083	0.062	0.069	0.074	0.067	0.073	12.26
21) 14 1254-4	0.055	0.056	0.044	0.046	0.051	0.045	0.050	10.08
22) 14 1254-5	0.072	0.073	0.058	0.061	0.067	0.062	0.065	9.32
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.012	0.014	13.92
25) 16 1242-2	0.039	0.034	0.034	0.031	0.029	0.028	0.033	12.18
26) 16 1242-3	0.077	0.070	0.070	0.066	0.064	0.062	0.068	7.59
27) 16 1242-4	0.026	0.023	0.022	0.021	0.020	0.020	0.022	9.96
28) 16 1242-5	0.025	0.022	0.022	0.021	0.020	0.020	0.022	8.50
29) 19 1268-1	0.139	0.123	0.123	0.120	0.117	0.114	0.123	7.27
30) 19 1268-2	0.137	0.124	0.126	0.124	0.122	0.121	0.126	4.76
31) 19 1268-3	0.090	0.080	0.081	0.080	0.079	0.079	0.082	5.01
32) 19 1268-4	0.045	0.039	0.039	0.039	0.039	0.040	0.040	6.16
33) 19 1268-5	0.246	0.228	0.229	0.224	0.216	0.160	0.217	13.66
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.025	0.024	0.021	0.023	0.020	0.024	12.00
36) 17 1248-2	0.036	0.030	0.028	0.025	0.027	0.024	0.029	14.64



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Ical Ref : ICAL16473
Calibration dates : 01/29/20 19:58 01/30/20 22:51	

Signal #2 Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.044	0.037	0.036	0.032	0.035	0.031	0.036	12.41
38) 17 1248-4	0.049	0.042	0.040	0.037	0.040	0.036	0.041	11.26
39) 17 1248-5	0.054	0.047	0.045	0.041	0.044	0.040	0.045	11.07
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.025	0.022	0.021	0.020	0.018	0.017	0.020	14.60
42) 15 1232-2	0.025	0.022	0.021	0.020	0.019	0.018	0.021	11.74
43) 15 1232-3	0.047	0.042	0.042	0.041	0.041	0.037	0.042	7.48
44) 15 1232-4	0.015	0.013	0.013	0.012	0.012	0.011	0.013	10.54
45) 15 1232-5	0.015	0.012	0.012	0.012	0.012	0.011	0.012	10.29
46) 18 1262-1	0.051	0.044	0.044	0.044	0.043	0.040	0.044	8.43
47) 18 1262-2	0.069	0.060	0.060	0.060	0.059	0.055	0.060	7.86
48) 18 1262-3	0.062	0.054	0.054	0.055	0.055	0.050	0.055	7.19
49) 18 1262-4	0.114	0.104	0.103	0.106	0.104	0.094	0.104	6.14
50) 18 1262-5	0.085	0.072	0.070	0.072	0.072	0.067	0.073	8.17



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/13/20 09:40
Lab File ID : P2200213a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1340357-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	109	-.02
2,4,5,6-Tetrachloro-m-xylene	16	15.632	-	2.3	20	107	-.02
Decachlorobiphenyl	32	27.386	-	14.4	20	98	-.02
1016-1	250	258.437	-	-3.4	20	117	-.02
1016-2	250	254.909	-	-2	20	112	-.02
1016-3	250	239.808	-	4.1	20	111	-.02
1016-4	250	262.092	-	-4.8	20	115	-.02
1016-5	250	265.421	-	-6.2	20	116	-.03
1260-1	250	243.272	-	2.7	20	110	-.02
1260-2	250	248.702	-	0.5	20	111	-.02
1260-3	250	234.841	-	6.1	20	106	-.02
1260-4	250	243.005	-	2.8	20	110	-.02
1260-5	250	225.274	-	9.9	20	108	-.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/13/20 09:40
Lab File ID : P2200213a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1340357-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	92	-.02
2,4,5,6-Tetrachloro-m-xylene	16	16.351	-	-2.2	20	99	-.02
Decachlorobiphenyl #2	32	33.004	-	-3.1	20	104	-.02
1016-1 #2	250	257.745	-	-3.1	20	101	-.03
1016-2 #2	250	264.24	-	-5.7	20	102	-.03
1016-3 #2	250	249.01	-	0.4	20	97	-.03
1016-4 #2	250	265.49	-	-6.2	20	100	-.03
1016-5 #2	250	256.373	-	-2.5	20	100	-.03
1260-1 #2	250	237.142	-	5.1	20	98	-.03
1260-2 #2	250	246.237	-	1.5	20	100	-.03
1260-3 #2	250	255.019	-	-2	20	103	-.03
1260-4 #2	250	257.763	-	-3.1	20	102	-.03
1260-5 #2	250	237.527	-	5	20	100	-.03

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/13/20 10:07
Lab File ID : P2200213a-04	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1340357-3	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	121	-.02
2154_1br2nb	25	25	-	0	20	124	-.02
4268_1br2nb	25	25	-	0	20	121	-.02
1248_1br2nb	25	25	-	0	20	126	-.02
1248-1	250	270.012	-	-8	20	136	-.02
1248-2	250	240.064	-	4	20	121	-.02
1248-3	250	240.813	-	3.7	20	121	-.02
1248-4	250	256.175	-	-2.5	20	129	-.02
1248-5	250	239.977	-	4	20	121	-.02
3262_1br2nb	25	25	-	0	20	121	-.02

* Value outside of QC limits.



Calibration Verification Summary
Form 7
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006151
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST2	Calibration Date	: 02/13/20 10:07
Lab File ID	: P2200213a-04	Init. Calib. Date(s)	: 08/06/19 08/06/19
Sample No	: WG1340357-3	Init. Calib. Times	: 03:29 07:39
Channel	: B		

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	104	-.02
2154_1br2nb	25	25	-	0	20	107	-.02
4268_1br2nb	25	25	-	0	20	105	-.02
1248_1br2nb	25	25	-	0	20	108	-.02
1248-1	250	252.458	-	-1	20	109	-.02
1248-2	250	246.621	-	1.4	20	107	-.02
1248-3	250	249.378	-	0.2	20	108	-.02
1248-4	250	243.506	-	2.6	20	105	-.02
1248-5	250	244.279	-	2.3	20	106	-.02
3262_1br2nb	25	25	-	0	20	105	-.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/14/20 09:00
Lab File ID : 19200214a-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1340785-1	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	64	0
2,4,5,6-Tetrachloro-m-xylene	160	162.093	-	-1.3	20	69	0
Decachlorobiphenyl	320	261.039	-	18.4	20	56	0
1016-1	2500	2523.793	-	-1	20	69	0
1016-2	2500	2505.512	-	-0.2	20	68	0
1016-3	2500	2513.476	-	-0.5	20	69	0
1016-4	2500	2510.249	-	-0.4	20	69	0
1016-5	2500	2533.188	-	-1.3	20	68	0
1260-1	2500	2368.627	-	5.3	20	65	0
1260-2	2500	2369.869	-	5.2	20	65	0
1260-3	2500	2301.535	-	7.9	20	64	0
1260-4	2500	2307.674	-	7.7	20	63	0
1260-5	2500	2290.539	-	8.4	20	60	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/14/20 09:00
Lab File ID : 19200214a-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1340785-1	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	96	-.01
2,4,5,6-Tetrachloro-m-xylene	160	163.713	-	-2.3	20	103	0
Decachlorobiphenyl #2	320	254.165	-	20.6*	20	80	0
1016-1 #2	2500	2585.468	-	-3.4	20	104	0
1016-2 #2	2500	2587.264	-	-3.5	20	105	0
1016-3 #2	2500	2609.424	-	-4.4	20	104	0
1016-4 #2	2500	2621.677	-	-4.9	20	106	0
1016-5 #2	2500	2469.73	-	1.2	20	98	0
1260-1 #2	2500	2329.159	-	6.8	20	93	0
1260-2 #2	2500	2469.169	-	1.2	20	99	0
1260-3 #2	2500	2242.561	-	10.3	20	89	0
1260-4 #2	2500	2232.561	-	10.7	20	90	0
1260-5 #2	2500	2171.404	-	13.1	20	86	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Calibration Date : 02/14/20 14:30
Lab File ID : 16200214a-09	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1340831-3	Init. Calib. Times : 19:58 22:51
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	57	0
2,4,5,6-Tetrachloro-m-xylene	160	151.143	-	5.5	20	54	0
Decachlorobiphenyl	320	283.247	-	11.5	20	54	0
1016-1	2500	2179.409	-	12.8	20	54	0
1016-2	2500	2411.098	-	3.6	20	58	0
1016-3	2500	2436.464	-	2.5	20	57	0
1016-4	2500	2356.475	-	5.7	20	57	0
1016-5	2500	2278.543	-	8.9	20	56	0
1260-1	2500	2461.718	-	1.5	20	60	0
1260-2	2500	2524.745	-	-1	20	61	0
1260-3	2500	2045.243	-	18.2	20	49	0
1260-4	2500	2129.265	-	14.8	20	51	0
1260-5	2500	2168.793	-	13.2	20	52	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Calibration Date : 02/14/20 14:30
Lab File ID : 16200214a-09	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1340831-3	Init. Calib. Times : 19:58 22:51
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	72	0
2,4,5,6-Tetrachloro-m-xylene	160	152.241	-	4.8	20	69	0
Decachlorobiphenyl #2	320	262.782	-	17.9	20	63	0
1016-1 #2	2500	2532.578	-	-1.3	20	69	0
1016-2 #2	2500	2705.964	-	-8.2	20	74	0
1016-3 #2	2500	2667.133	-	-6.7	20	73	0
1016-4 #2	2500	2590.473	-	-3.6	20	72	0
1016-5 #2	2500	2484.413	-	0.6	20	71	0
1260-1 #2	2500	2498.737	-	0.1	20	77	0
1260-2 #2	2500	2393.088	-	4.3	20	73	0
1260-3 #2	2500	2102.924	-	15.9	20	64	0
1260-4 #2	2500	2040.299	-	18.4	20	61	0
1260-5 #2	2500	2055.671	-	17.8	20	63	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/14/20 14:34
Lab File ID : 19200214a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1340785-2	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	66	0
2,4,5,6-Tetrachloro-m-xylene	160	160.935	-	-0.6	20	70	0
Decachlorobiphenyl	320	272.272	-	14.9	20	60	-.01
1016-1	2500	2442.551	-	2.3	20	68	-.01
1016-2	2500	2424.901	-	3	20	68	-.01
1016-3	2500	2450.351	-	2	20	69	0
1016-4	2500	2428.42	-	2.9	20	69	-.01
1016-5	2500	2494.463	-	0.2	20	68	-.01
1260-1	2500	2400.849	-	4	20	68	-.01
1260-2	2500	2448.284	-	2.1	20	69	-.01
1260-3	2500	2449.093	-	2	20	70	-.01
1260-4	2500	2395.94	-	4.2	20	67	-.01
1260-5	2500	2435.734	-	2.6	20	65	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/14/20 14:34
Lab File ID : 19200214a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1340785-2	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	100	-.01
2,4,5,6-Tetrachloro-m-xylene	160	154.059	-	3.7	20	101	0
Decachlorobiphenyl #2	320	259.728	-	18.8	20	86	-.01
1016-1 #2	2500	2448.542	-	2.1	20	103	0
1016-2 #2	2500	2449.063	-	2	20	104	-.01
1016-3 #2	2500	2485.894	-	0.6	20	103	-.01
1016-4 #2	2500	2447.84	-	2.1	20	103	-.01
1016-5 #2	2500	2409.456	-	3.6	20	99	-.01
1260-1 #2	2500	2312.098	-	7.5	20	96	-.01
1260-2 #2	2500	2403.637	-	3.9	20	100	-.01
1260-3 #2	2500	2121.458	-	15.1	20	88	-.01
1260-4 #2	2500	2154.96	-	13.8	20	91	-.01
1260-5 #2	2500	2216.871	-	11.3	20	92	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/14/20 18:20
Lab File ID : 19200214a-44	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1340785-3	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	68	0
2,4,5,6-Tetrachloro-m-xylene	160	155.659	-	2.7	20	69	0
Decachlorobiphenyl	320	248.076	-	22.5*	20	57	-.01
1016-1	2500	2391.737	-	4.3	20	69	-.01
1016-2	2500	2352.649	-	5.9	20	68	-.01
1016-3	2500	2374.484	-	5	20	69	-.01
1016-4	2500	2361.576	-	5.5	20	69	-.01
1016-5	2500	2410.263	-	3.6	20	68	-.01
1260-1	2500	2252.874	-	9.9	20	66	-.01
1260-2	2500	2268.784	-	9.2	20	66	-.01
1260-3	2500	2212.748	-	11.5	20	65	-.01
1260-4	2500	2259.278	-	9.6	20	65	-.01
1260-5	2500	2269.862	-	9.2	20	62	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/14/20 18:20
Lab File ID : 19200214a-44	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1340785-3	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	103	0
2,4,5,6-Tetrachloro-m-xylene	160	150.547	-	5.9	20	101	0
Decachlorobiphenyl #2	320	228.679	-	28.5*	20	77	-.01
1016-1 #2	2500	2377.868	-	4.9	20	102	0
1016-2 #2	2500	2347.935	-	6.1	20	103	0
1016-3 #2	2500	2389.364	-	4.4	20	102	0
1016-4 #2	2500	2335.232	-	6.6	20	101	0
1016-5 #2	2500	2324.604	-	7	20	98	-.01
1260-1 #2	2500	2134.444	-	14.6	20	91	-.01
1260-2 #2	2500	2193.934	-	12.2	20	94	-.01
1260-3 #2	2500	2147.354	-	14.1	20	92	-.01
1260-4 #2	2500	2107.307	-	15.7	20	91	-.01
1260-5 #2	2500	1953.096	-	21.9*	20	83	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/14/20 22:33
Lab File ID : 19200214a-65	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1340785-4	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	69	0
2,4,5,6-Tetrachloro-m-xylene	160	162.247	-	-1.4	20	74	0
Decachlorobiphenyl	320	276.859	-	13.5	20	64	0
1016-1	2500	2542.408	-	-1.7	20	74	-.01
1016-2	2500	2514.647	-	-0.6	20	74	-.01
1016-3	2500	2563.387	-	-2.5	20	76	-.01
1016-4	2500	2566.508	-	-2.7	20	76	-.01
1016-5	2500	2532.84	-	-1.3	20	73	-.01
1260-1	2500	2454.956	-	1.8	20	73	-.01
1260-2	2500	2516.192	-	-0.6	20	74	-.01
1260-3	2500	2547.774	-	-1.9	20	76	-.01
1260-4	2500	2543.094	-	-1.7	20	74	-.01
1260-5	2500	2545.585	-	-1.8	20	71	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/14/20 22:33
Lab File ID : 19200214a-65	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1340785-4	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	105	0
2,4,5,6-Tetrachloro-m-xylene	160	160.531	-	-0.3	20	110	0
Decachlorobiphenyl #2	320	253.752	-	20.7*	20	88	0
1016-1 #2	2500	2557.953	-	-2.3	20	113	-0.1
1016-2 #2	2500	2536.908	-	-1.5	20	113	-0.1
1016-3 #2	2500	2572.729	-	-2.9	20	113	-0.1
1016-4 #2	2500	2534.591	-	-1.4	20	112	-0.1
1016-5 #2	2500	2571.345	-	-2.9	20	111	-0.1
1260-1 #2	2500	2344.255	-	6.2	20	102	-0.1
1260-2 #2	2500	2456.643	-	1.7	20	108	-0.1
1260-3 #2	2500	2346.588	-	6.1	20	102	-0.1
1260-4 #2	2500	2335.166	-	6.6	20	103	-0.1
1260-5 #2	2500	2288.523	-	8.5	20	100	-0.1

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Calibration Date : 02/15/20 09:56
Lab File ID : 16200215a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1341115-1	Init. Calib. Times : 19:58 22:51
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	59	0
2,4,5,6-Tetrachloro-m-xylene	160	157.196	-	1.8	20	59	0
Decachlorobiphenyl	320	271.253	-	15.2	20	54	0
1016-1	2500	2200.134	-	12	20	57	0
1016-2	2500	2421.322	-	3.1	20	61	0
1016-3	2500	2442.148	-	2.3	20	60	0
1016-4	2500	2360.126	-	5.6	20	60	0
1016-5	2500	2277.906	-	8.9	20	59	0
1260-1	2500	2373.014	-	5.1	20	61	0
1260-2	2500	2444.409	-	2.2	20	62	0
1260-3	2500	2031.822	-	18.7	20	52	0
1260-4	2500	2047.104	-	18.1	20	51	0
1260-5	2500	2057.043	-	17.7	20	52	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Calibration Date : 02/15/20 09:56
Lab File ID : 16200215a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1341115-1	Init. Calib. Times : 19:58 22:51
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	71	0
2,4,5,6-Tetrachloro-m-xylene	160	155.926	-	2.5	20	71	0
Decachlorobiphenyl #2	320	260.894	-	18.5	20	62	0
1016-1 #2	2500	2561.644	-	-2.5	20	70	0
1016-2 #2	2500	2731.694	-	-9.3	20	75	0
1016-3 #2	2500	2673.231	-	-6.9	20	73	0
1016-4 #2	2500	2614.496	-	-4.6	20	72	0
1016-5 #2	2500	2488.983	-	0.4	20	71	0
1260-1 #2	2500	2482.713	-	0.7	20	76	0
1260-2 #2	2500	2384.896	-	4.6	20	72	0
1260-3 #2	2500	2065.707	-	17.4	20	63	0
1260-4 #2	2500	2014.27	-	19.4	20	60	0
1260-5 #2	2500	2010.495	-	19.6	20	61	0

* Value outside of QC limits.



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2006151
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1340357-1 CCAL	WG1340357-1	02/13/20 09:40
WG1340357-3 CCAL	WG1340357-3	02/13/20 10:07
WG1340209-1 BLANK	WG1340209-1	02/13/20 12:17
WG1340209-2 LCS	WG1340209-2	02/13/20 12:30
WG1340209-3 LCSD	WG1340209-3	02/13/20 12:44
EB-4_02112020	L2006151-17	02/13/20 13:52



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006151
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST16 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279789-1	01/29/20 19:58
1242/1268 L2	R1279789-3	01/29/20 20:10
1242/1268 L3	R1279789-2	01/29/20 20:22
1242/1268 L4	R1279789-4	01/29/20 20:34
1242/1268 L5	R1279789-5	01/29/20 20:45
1242/1268 L6	R1279789-7	01/29/20 20:57
1232/1262 L1	R1279789-6	01/29/20 21:09
1232/1262 L2	R1279789-9	01/29/20 21:21
1232/1262 L3	R1279789-8	01/29/20 21:32
1232/1262 L4	R1279789-10	01/29/20 21:44
1232/1262 L5	R1279789-11	01/29/20 21:56
1232/1262 L6	R1279789-12	01/29/20 22:08
1248 L1	R1279789-13	01/29/20 22:19
1248 L2	R1279789-14	01/29/20 22:31
1248 L3	R1279789-15	01/29/20 22:43
1248 L4	R1279789-16	01/29/20 22:55
1248 L5	R1279789-17	01/29/20 23:06
1248 L6	R1279789-18	01/29/20 23:18
1221/1254 L1	R1279789-19	01/29/20 23:30
1221/1254 L2	R1279789-21	01/29/20 23:42
1221/1254 L4	R1279789-20	01/30/20 00:05
1221/1254 L5	R1279789-23	01/30/20 00:17
1254 L6	R1279789-22	01/30/20 00:29
1016/1260 L1	R1279789-26	01/30/20 00:40
1016/1260 L2	R1279789-24	01/30/20 00:52
1016/1260 L3	R1279789-25	01/30/20 01:04
1016/1260 L4	R1279789-27	01/30/20 01:16
1016/1260 L5	R1279789-28	01/30/20 01:27
1016/1260 L6	R1279789-29	01/30/20 01:39
R1279789-30 ICV	R1279789-30	01/30/20 01:51
R1279789-31 ICV	R1279789-31	01/30/20 02:03
R1279789-32 ICV	R1279789-32	01/30/20 02:15
R1279789-34 ICV	R1279789-34	01/30/20 02:38
1221/1254 L3	R1279789-33	01/30/20 22:51
R1279789-35 ICV	R1279789-35	01/30/20 23:02
WG1340831-3 CCAL	WG1340831-3	02/14/20 14:30
E-151_0.5-1.0	L2006151-09	02/14/20 17:57
WG1341115-1 CCAL	WG1341115-1	02/15/20 09:56
E-201_0.5-1.0	L2006151-02 D	02/15/20 15:32
E-201_2.0-2.5	L2006151-03 D	02/15/20 15:44



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006151
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1258780-12	11/20/19 11:11
1242/1268 L2	R1258780-13	11/20/19 11:18
1242/1268 L3	R1258780-14	11/20/19 11:25
1242/1268 L4	R1258780-15	11/20/19 11:32
1242/1268 L5	R1258780-16	11/20/19 11:39
1242/1268 L6	R1258780-17	11/20/19 11:46
1232/1262 L1	R1258780-18	11/20/19 11:53
1232/1262 L2	R1258780-21	11/20/19 12:00
1232/1262 L3	R1258780-19	11/20/19 12:07
1232/1262 L4	R1258780-20	11/20/19 12:13
1232/1262 L5	R1258780-22	11/20/19 12:20
1232/1262 L6	R1258780-23	11/20/19 12:27
1221/1254 L1	R1258780-24	11/20/19 12:34
1221/1254 L2	R1258780-25	11/20/19 12:41
1221/1254 L3	R1258780-28	11/20/19 12:48
1221/1254 L4	R1258780-27	11/20/19 12:55
1221/1254 L5	R1258780-26	11/20/19 13:02
1221/1254 L6	R1258780-30	11/20/19 13:08
1016/1260 L1	R1258780-29	11/20/19 13:15
1016/1260 L2	R1258780-31	11/20/19 13:22
1016/1260 L3	R1258780-33	11/20/19 13:29
1016/1260 L4	R1258780-32	11/20/19 13:36
1016/1260 L5	R1258780-34	11/20/19 13:43
1016/1260 L6	R1258780-35	11/20/19 13:50
1248 L1	R1258780-1	11/20/19 13:57
1248 L2	R1258780-2	11/20/19 14:04
1248 L3	R1258780-3	11/20/19 14:11
1248 L4	R1258780-4	11/20/19 14:17
1248 L5	R1258780-5	11/20/19 14:24
1248 L6	R1258780-8	11/20/19 14:31
R1258780-7 ICV	R1258780-7	11/20/19 14:38
R1258780-6 ICV	R1258780-6	11/20/19 14:45
R1258780-10 ICV	R1258780-10	11/20/19 14:52
R1258780-9 ICV	R1258780-9	11/20/19 14:59
R1258780-11 ICV	R1258780-11	11/22/19 16:02
WG1340785-1 CCAL	WG1340785-1	02/14/20 09:00
WG1340606-1 BLANK	WG1340606-1	02/14/20 11:23
WG1340606-2 LCS	WG1340606-2	02/14/20 11:30
WG1340606-3 LCSD	WG1340606-3	02/14/20 11:37
WG1340785-2 CCAL	WG1340785-2	02/14/20 14:34
WG1340200-1 BLANK	WG1340200-1	02/14/20 16:37
WG1340200-2 LCS	WG1340200-2	02/14/20 16:44



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006151
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
WG1340200-3 LCSD	WG1340200-3	02/14/20 16:51
E-158_0.5-1.0	L2006151-01	02/14/20 17:18
E-150_0.5-1.0	L2006151-04	02/14/20 17:39
E-150_2.0-2.5	L2006151-05	02/14/20 17:46
E-163_0.5-1.0	L2006151-06	02/14/20 17:53
E-163_2.0-2.5	L2006151-07	02/14/20 18:00
E-177_0.5-1.0	L2006151-10	02/14/20 18:06
E-177_2.0-2.5	L2006151-11	02/14/20 18:13
WG1340785-3 CCAL	WG1340785-3	02/14/20 18:20
E-176_0.5-1.0	L2006151-13	02/14/20 18:27
E-176_2.0-2.5	L2006151-14	02/14/20 18:34
WG1340785-4 CCAL	WG1340785-4	02/14/20 22:33
X-4_02112020	L2006151-16	02/14/20 22:40



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2006151
 Project Number: 277710568.0008.06
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-4_02112020 (L2006151-17)	68	69	63	75			0
WG1340209-1BLANK	76	77	70	84			0
WG1340209-2LCS	72	72	68	78			0
WG1340209-3LCSD	71	68	64	77			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2006151
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-158_0.5-1.0 (L2006151-01)	48	48	42	45			0
E-201_0.5-1.0 (L2006151-02D)	84	73	77	70			0
E-201_2.0-2.5 (L2006151-03D)	75	74	62	69			0
E-150_0.5-1.0 (L2006151-04)	57	57	47	49			0
E-150_2.0-2.5 (L2006151-05)	58	59	51	48			0
E-163_0.5-1.0 (L2006151-06)	68	71	60	59			0
E-163_2.0-2.5 (L2006151-07)	67	67	58	54			0
E-151_0.5-1.0 (L2006151-09)	63	62	55	60			0
E-177_0.5-1.0 (L2006151-10)	64	64	55	50			0
E-177_2.0-2.5 (L2006151-11)	82	83	76	68			0
E-176_0.5-1.0 (L2006151-13)	69	71	56	54			0
E-176_2.0-2.5 (L2006151-14)	74	74	64	59			0
X-4_02112020 (L2006151-16)	71	71	63	61			0
WG1340200-1BLANK	73	71	60	56			0
WG1340200-2LCS	78	76	62	57			0
WG1340200-3LCSD	78	76	64	58			0
WG1340606-1BLANK	49	49	40	41			0
WG1340606-2LCS	66	65	53	52			0
WG1340606-3LCSD	66	66	56	52			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2006151
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1340200-2 Analysis Date : 02/14/20 16:44 File ID : 19200214a-30
 LCSD Sample ID : WG1340200-3 Analysis Date : 02/14/20 16:51 File ID : 19200214a-31

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.205	0.160	78	0.208	0.162	78	0	40-140	30
Aroclor 1260	0.205	0.140	68	0.208	0.145	70	3	40-140	30



**Laboratory Control Sample Summary
Form 3
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2006151
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : WATER
 LCS Sample ID : WG1340209-2 Analysis Date : 02/13/20 12:30 File ID : P2200213a-09
 LCSD Sample ID : WG1340209-3 Analysis Date : 02/13/20 12:44 File ID : P2200213a-10

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	1.34	75	1.78	1.30	73	3	40-140	20
Aroclor 1260	1.78	1.17	66	1.78	1.07	60	9	40-140	20



**Laboratory Control Sample Summary
Form 3
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2006151
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1340606-2 Analysis Date : 02/14/20 11:30 File ID : 19200214a-09
 LCSD Sample ID : WG1340606-3 Analysis Date : 02/14/20 11:37 File ID : 19200214a-10

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.2	0.165	83	0.199	0.164	82	1	40-140	30
Aroclor 1260	0.2	0.146	73	0.199	0.150	75	3	40-140	30



RT Shift Summary

Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006151
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2006151-01		
Client ID	: E-158_0.5-1.0		
Date Analyzed (1)	: 02/14/20 17:18	Date Analyzed (2)	: 02/14/20 17:18
Instrument ID (1)	: PEST19	Instrument ID (2)	: PEST19
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.592		
	2	2.71	2.66	2.76	0.717		
COLUMN 1	3	3.06	3.01	3.11	0.623		
	4	3.23	3.18	3.28	0.626		
	5	3.39	3.33	3.43	0.703	0.652	
COLUMN 2	1	2.96	2.91	3.01	0.644		
	2	3.07	3.02	3.12	0.721		
	3	3.49	3.44	3.54	0.532		
	4	3.63	3.58	3.68	0.638		
	5	3.84	3.79	3.89	0.62	0.631	3



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006151-02D	
Client ID : E-201_0.5-1.0	
Date Analyzed (1) : 02/15/20 15:32	Date Analyzed (2) : 02/15/20 15:32
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	5.06	5.01	5.11	1.42		
	2	5.26	5.21	5.31	1.56		
COLUMN 1	3	5.73	5.68	5.78	1.75		
	4	5.94	5.89	5.99	1.88		
	5	6.14	6.09	6.19	2.03	1.73	
COLUMN 2	1	5.55	5.50	5.60	1.33		
	2	5.69	5.64	5.74	1.32		
	3	6.22	6.17	6.27	1.61		
	4	6.38	6.33	6.43	1.75		
	5	6.64	6.59	6.69	1.79	1.56	10



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006151-03D	
Client ID : E-201_2.0-2.5	
Date Analyzed (1) : 02/15/20 15:44	Date Analyzed (2) : 02/15/20 15:44
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	5.06	5.01	5.11	0.669		
	2	5.26	5.21	5.31	0.757		
COLUMN 1	3	5.73	5.68	5.78	0.789		
	4	5.94	5.89	5.99	0.898		
	5	6.14	6.09	6.19	0.912	0.805	
COLUMN 2	1	5.55	5.50	5.60	0.714		
	2	5.69	5.64	5.74	0.736		
	3	6.22	6.17	6.27	0.853		
	4	6.38	6.33	6.43	0.919		
	5	6.64	6.59	6.69	0.941	0.832	3



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006151-04	
Client ID : E-150_0.5-1.0	
Date Analyzed (1) : 02/14/20 17:39	Date Analyzed (2) : 02/14/20 17:39
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	0.127			
	2	2.71	2.66	2.76	0.158			
	COLUMN 1	3	3.06	3.01	3.11	0.171		
		4	3.23	3.18	3.28	0.189		
		5	3.39	3.33	3.43	0.198	0.169	
COLUMN 2	1	2.96	2.91	3.01	0.12			
	2	3.07	3.02	3.12	0.16			
	3	3.49	3.44	3.54	0.138			
	4	3.63	3.58	3.68	0.173			
	5	3.84	3.79	3.89	0.174	0.153	10	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006151-05	
Client ID : E-150_2.0-2.5	
Date Analyzed (1) : 02/14/20 17:46	Date Analyzed (2) : 02/14/20 17:46
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.018		
	2	2.71	2.66	2.76	0.0183		
COLUMN 1	3	3.06	3.01	3.11	0.0178		
	4	3.23	3.18	3.28	0.0184		
	5	3.39	3.33	3.43	0.02	0.0185J	
COLUMN 2	1	2.96	2.91	3.01	0.0142		
	2	3.07	3.02	3.12	0.022		
	3	3.49	3.44	3.54	0.0136		
	4	3.63	3.58	3.68	0.0168		
	5	3.84	3.79	3.89	0.0159	0.0165J	NC



Identification Summary
Form 10
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2006151
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Lab Sample ID : L2006151-06
 Client ID : E-163_0.5-1.0
 Date Analyzed (1) : 02/14/20 17:53 Date Analyzed (2) : 02/14/20 17:53
 Instrument ID (1) : PEST19 Instrument ID (2) : PEST19
 GC Column (1) : CLP-Pesticide GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD
			From	To			
AROCOR 1260	1	2.57	2.52	2.62	0.0322		
	2	2.71	2.66	2.76	0.033		
COLUMN 1	3	3.06	3.01	3.11	0.043		
	4	3.23	3.18	3.28	0.0278		
	5	3.38	3.33	3.43	0.0358	0.0344J	
COLUMN 2	1	2.96	2.91	3.01	0.0273		
	2	3.07	3.02	3.12	0.028		
	3	3.49	3.44	3.54	0.0232		
	4	3.63	3.58	3.68	0.0297		
	5	3.84	3.79	3.89	0.0285	0.0274J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006151-09	
Client ID : E-151_0.5-1.0	
Date Analyzed (1) : 02/14/20 17:57	Date Analyzed (2) : 02/14/20 17:57
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	5.06	5.01	5.11	0.297		
	2	5.26	5.22	5.32	0.364		
COLUMN 1	3	5.73	5.68	5.78	0.36		
	4	5.95	5.89	5.99	0.411		
	5	6.15	6.09	6.19	0.415	0.37	
COLUMN 2	1	5.55	5.50	5.60	0.31		
	2	5.69	5.64	5.74	0.37		
	3	6.22	6.17	6.27	0.404		
	4	6.39	6.34	6.44	0.421		
	5	6.64	6.59	6.69	0.45	0.391	6



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006151-10	
Client ID : E-177_0.5-1.0	
Date Analyzed (1) : 02/14/20 18:06	Date Analyzed (2) : 02/14/20 18:06
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.011			
	2	2.71	2.66	2.76	0.0132			
COLUMN 1	3	3.06	3.01	3.11	0.00978			
	4	3.23	3.18	3.28	0.00734			
	5	3.38	3.33	3.43	0.0104	0.0103J		
COLUMN 2	1	2.96	2.91	3.01	0.00904			
	2	3.07	3.02	3.12	0.0126			
	3	3.49	3.44	3.54	0.00684			
	4	3.63	3.58	3.68	0.0067			
	5	3.84	3.79	3.89	0.00754	0.00855J		NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006151-13	
Client ID : E-176_0.5-1.0	
Date Analyzed (1) : 02/14/20 18:27	Date Analyzed (2) : 02/14/20 18:27
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD	
			From	To				
AROCOR 1254	1	2.15	-0.05	0.05	0.0544			
	2	2.27	-0.05	0.05	0.0501			
	COLUMN 1	3	2.47	-0.05	0.05	0.0726		
		4	2.62	-0.05	0.05	0.0445		
		5	0.00	-0.05	0.05	0.	0.0554	
COLUMN 2	1	2.50	-0.05	0.05	0.0643			
	2	0.00	-0.05	0.05	0.			
	3	2.85	-0.05	0.05	0.0709			
	4	2.98	-0.05	0.05	0.0409			
	5	0.00	-0.05	0.05	0.	0.0587	6	
AROCOR 1260	1	0.00	2.52	2.62	0.			
	2	0.00	2.66	2.76	0.			
	COLUMN 1	3	3.06	3.01	3.11	0.0254		
		4	3.23	3.18	3.28	0.0251		
		5	3.38	3.33	3.43	0.0302	0.0269J	
COLUMN 2	1	0.00	2.91	3.01	0.			
	2	0.00	3.02	3.12	0.			
	3	3.49	3.44	3.54	0.0244			
	4	3.63	3.58	3.68	0.0243			
	5	3.84	3.79	3.89	0.0255	0.0247J	NC	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006151-17	
Client ID : EB-4_02112020	
Date Analyzed (1) : 02/13/20 13:52	Date Analyzed (2) : 02/13/20 13:52
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean	%RPD
			From	To		Concentration	
AROCOR 1248	1	3.38	3.32	3.42	22.8		
	2	3.64	3.59	3.69	19.2		
COLUMN 1	3	3.82	3.77	3.87	16.3		
	4	4.16	4.11	4.21	25.4		
	5	4.18	4.13	4.23	23.3	0.153J	
COLUMN 2	1	3.99	3.93	4.03	20.2		
	2	4.27	4.22	4.32	22.5		
	3	4.50	4.45	4.55	19.2		
	4	4.79	4.74	4.84	26.7		
	5	4.83	4.78	4.88	21.9	0.158J	NC



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200214A\
 Data File : 16200214a-19.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 5:57 pm
 Operator : pest16:cw
 Sample : l2006151-09,42e,,
 Misc : wgl1340831,wgl1340606,ical16473
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:30:59 2020
 Quant Method : I:\Pest16\200214A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200214A\16200214a-09.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.253	2.288	779.9E6	1768.5E6	250.000M4	250.000M4
Standard Area 1 : #1 = 677658597			Recovery = 115.09%			
Standard Area 1 : #2 = 1553173087			Recovery = 113.86%			
14) i 2154_1br2nb	2.253	2.288	779.9E6	1768.5E6	250.000M4	250.000M4
23) i 4268_1br2nb	2.253	2.288	779.9E6	1768.5E6	250.000M4	250.000M4
34) i 1248_1br2nb	2.253	2.288	779.9E6	1768.5E6	250.000M4	250.000M4
40) i 3262_1br2nb	2.253	2.288	779.9E6	1768.5E6	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.769	2.954	1140.8E6	2464.1E6	314.103M4	308.890M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 62.82% 61.78%			
3) s Decachlorobi	6.877	7.420	705.8E6	1344.4E6	276.663	300.735M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 55.33% 60.15%			
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.059	5.549	743.1E6	1578.8E6	4254.052	4439.961M2
10) l2 1260-2	5.264	5.694	1401.8E6	2197.1E6	5223.047	5303.908

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200214A\
 Data File : 16200214a-19.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 5:57 pm
 Operator : pest16:cw
 Sample : 12006151-09,42e,,
 Misc : wgl1340831,wgl1340606,ical16473
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:30:59 2020
 Quant Method : I:\Pest16\200214A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200214A\16200214a-09.d
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11)	12 1260-3	5.730	6.225	866.2E6	1912.4E6	5158.675	5791.996
12)	12 1260-4	5.945	6.389	2308.3E6	4152.4E6	5891.195M2	6030.502
13)	12 1260-5	6.146	6.642	1526.6E6	3002.0E6	5949.017	6456.579M2
	Sum 1260-1			6846.0E6	12842.7E6	26475.987	28022.946
Average 1260-1						5295.197	5604.589
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2						0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1						0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1						0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200214A\
 Data File : 16200214a-19.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 5:57 pm
 Operator : pest16:cw
 Sample : 12006151-09,42e,,
 Misc : wgl1340831,wgl1340606,ical16473
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:30:59 2020
 Quant Method : I:\Pest16\200214A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200214A\16200214a-09.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200214A\
 Data File : 16200214a-19.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 5:57 pm
 Operator : pest16:cw
 Sample : 12006151-09,42e,,
 Misc : wgl1340831,wgl1340606,ical16473
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:30:59 2020
 Quant Method : I:\Pest16\200214A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200214A\16200214a-09.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

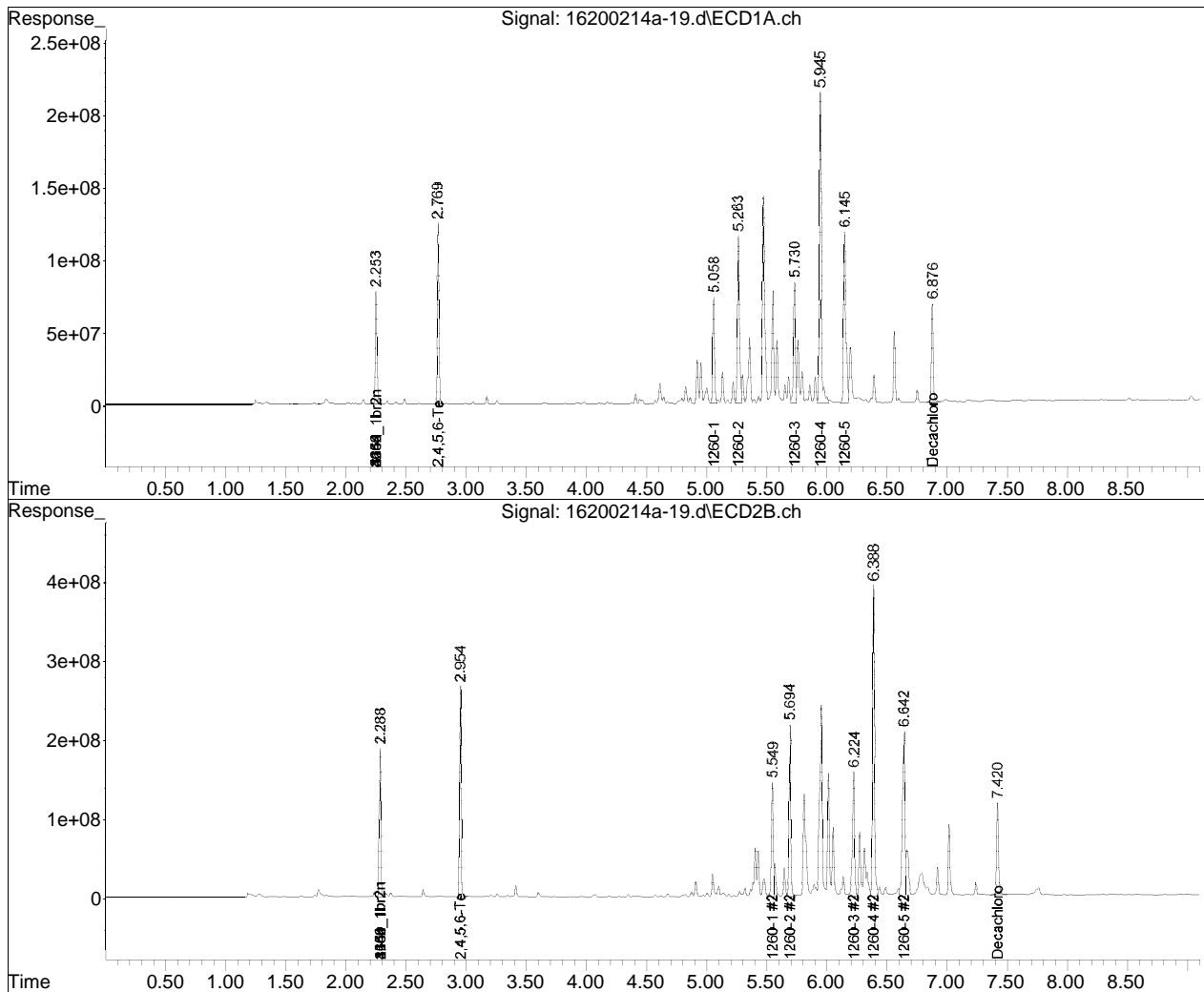
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-09.d••d)

Data Path : I:\Pest16\200214A\
Data File : 16200214a-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 5:57 pm
Operator : pest16:cw
Sample : 12006151-09,42e,,
Misc : wg1340831,wg1340606,ical16473
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 17:30:59 2020
Quant Method : I:\Pest16\200214A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

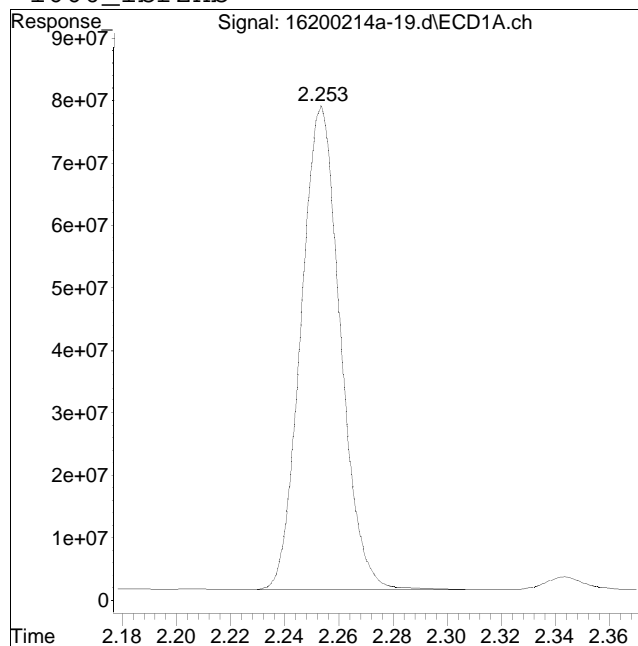
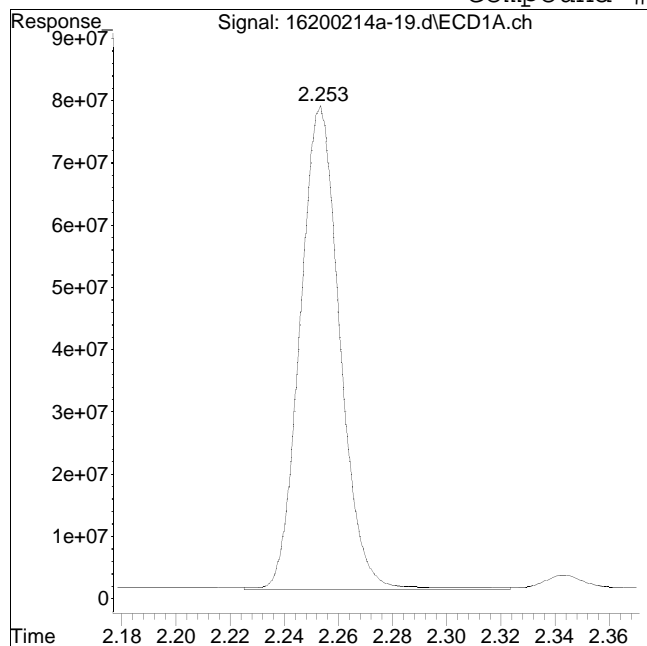


Manual Integration Report

Data Path : I:\Pest16\200214A\
Data File : 16200214a-19.d
Date Inj'd : 2/14/2020 5:57 pm
Sample : 12006151-09,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/17/2020 5:28 pm

Compound #1: 1660_1br2nb



Original Peak Response = 796506832

Manual Peak Response = 779924430 M4

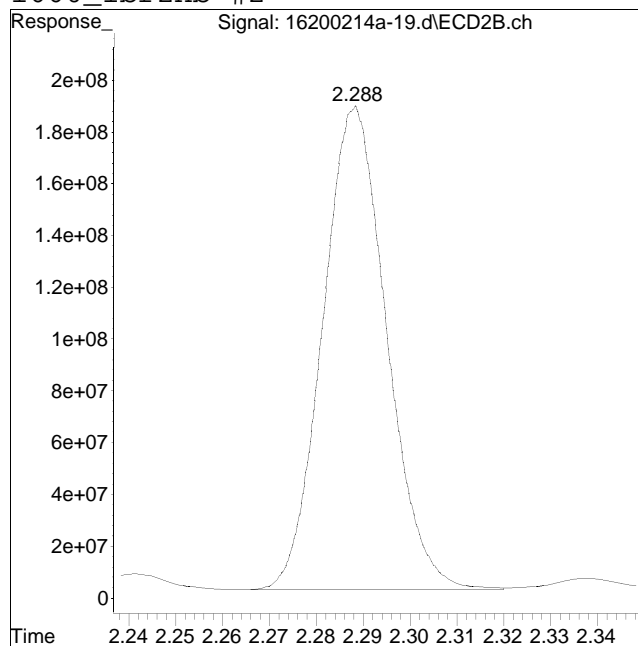
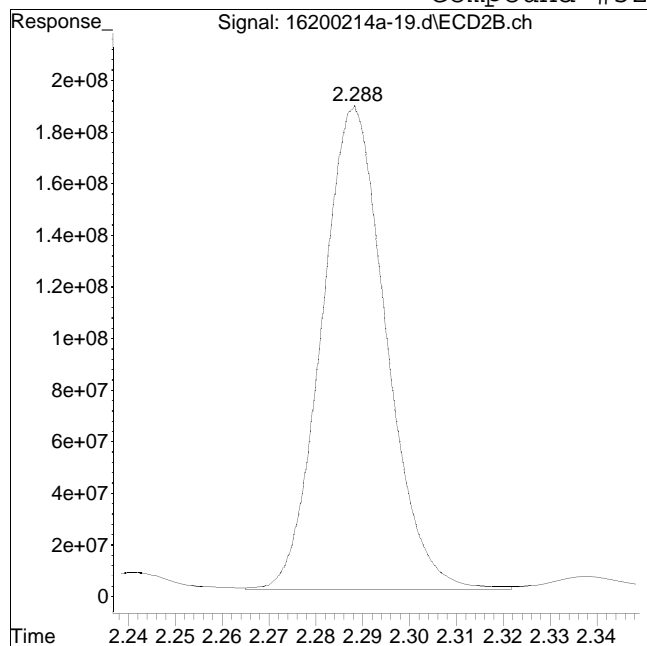
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200214A\
Data File : 16200214a-19.d
Date Inj'd : 2/14/2020 5:57 pm
Sample : 12006151-09,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/17/2020 5:28 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 1789043070

Manual Peak Response = 1768475685 M4

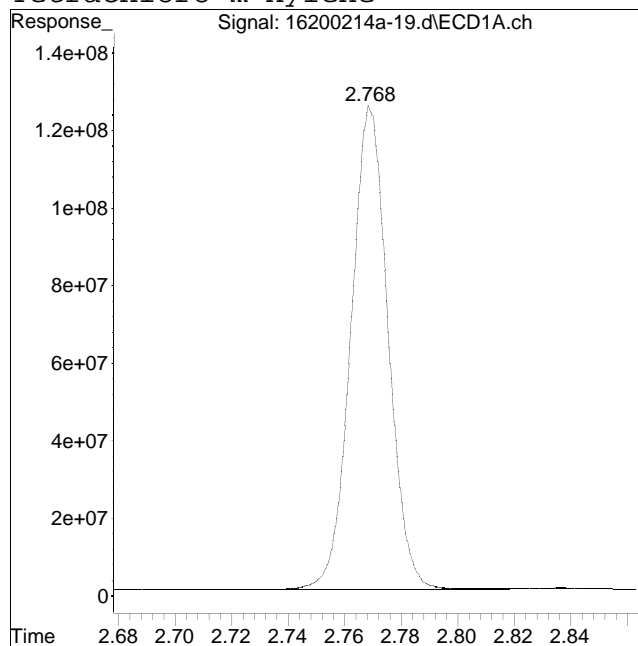
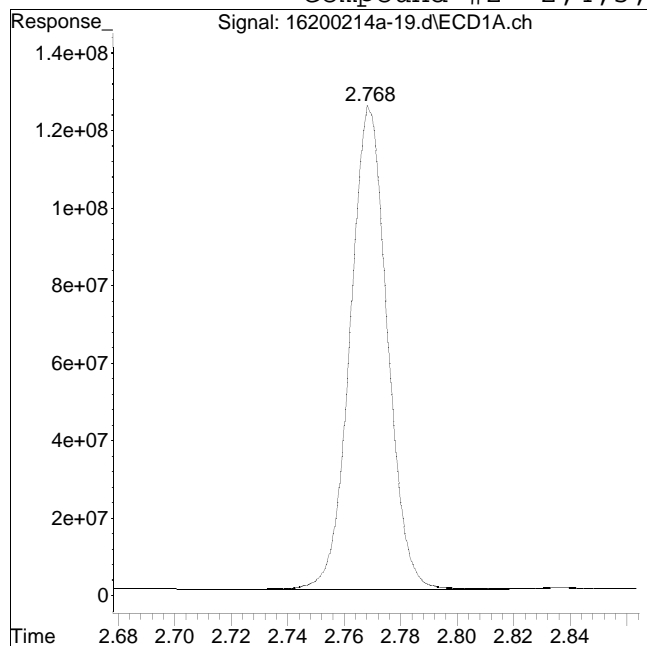
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200214A\
Data File : 16200214a-19.d
Date Inj'd : 2/14/2020 5:57 pm
Sample : 12006151-09,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/17/2020 5:28 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 1146768281

Manual Peak Response = 1140805344 M4

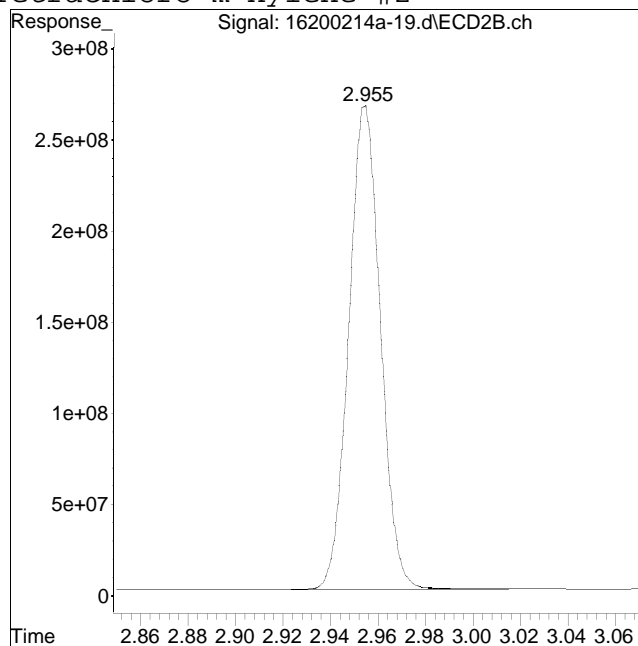
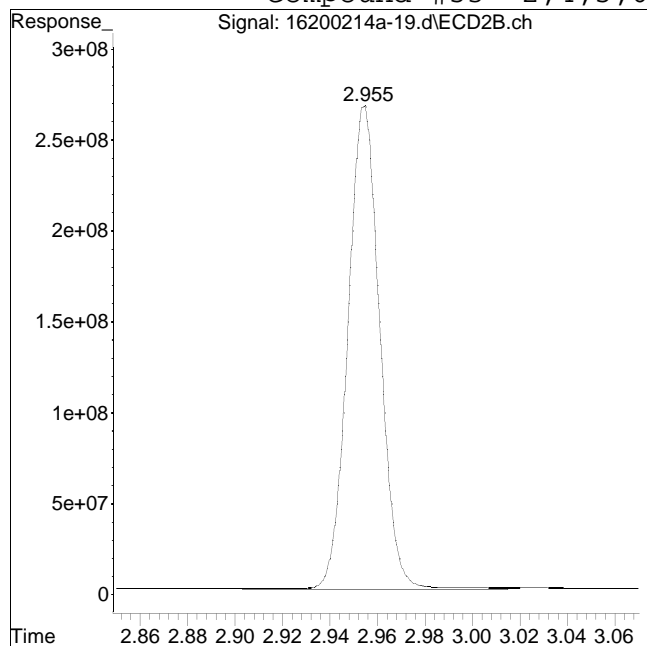
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200214A\
Data File : 16200214a-19.d
Date Inj'd : 2/14/2020 5:57 pm
Sample : 12006151-09,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/17/2020 5:28 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 2513561977

Manual Peak Response = 2464088055 M4

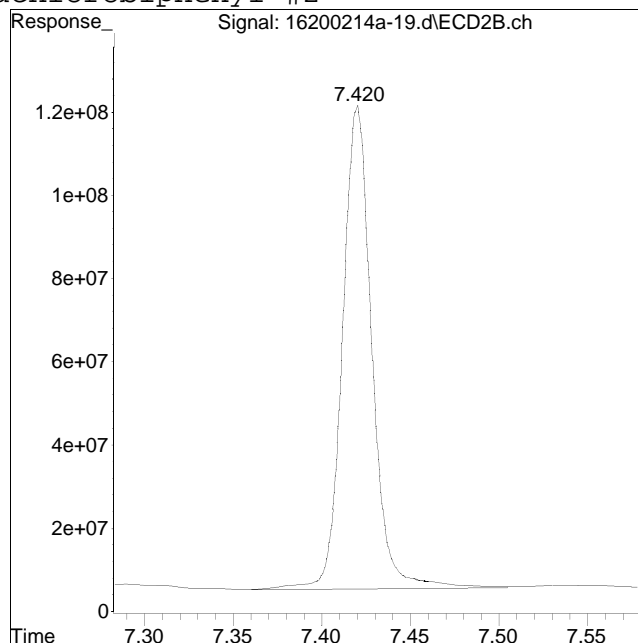
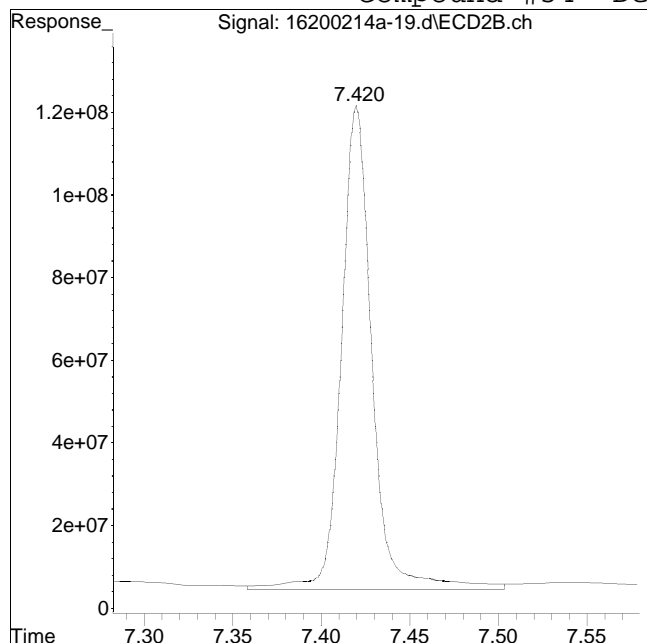
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200214A\
Data File : 16200214a-19.d
Date Inj'd : 2/14/2020 5:57 pm
Sample : 12006151-09,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/17/2020 5:28 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1420655145

Manual Peak Response = 1344441709 M4

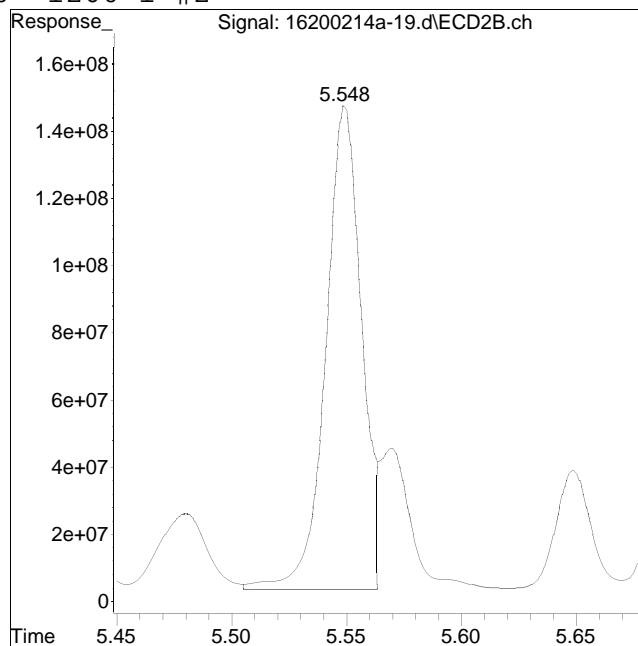
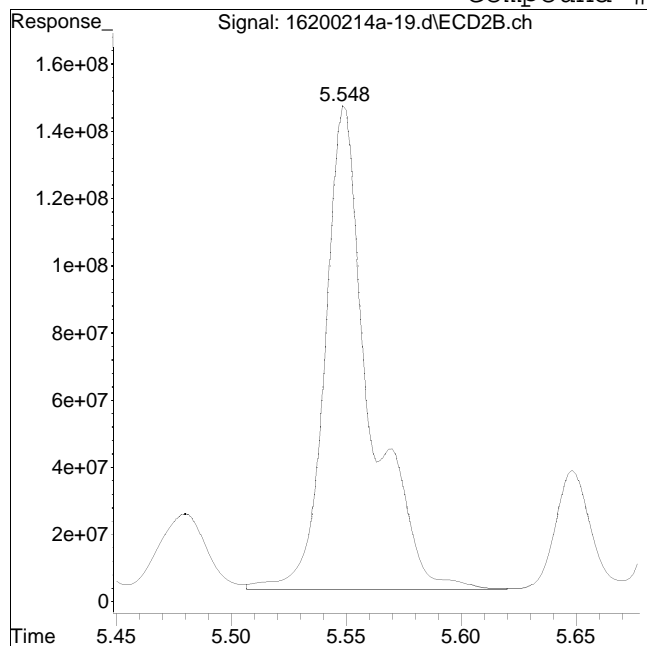
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200214A\
Data File : 16200214a-19.d
Date Inj'd : 2/14/2020 5:57 pm
Sample : 12006151-09,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/17/2020 5:28 pm

Compound #60: 1260-1 #2



Original Peak Response = 1951077355

Manual Peak Response = 1578758167 M2

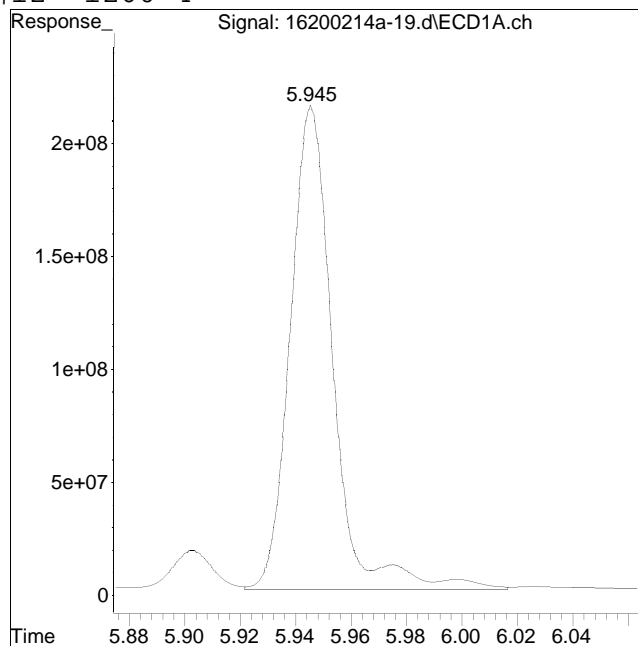
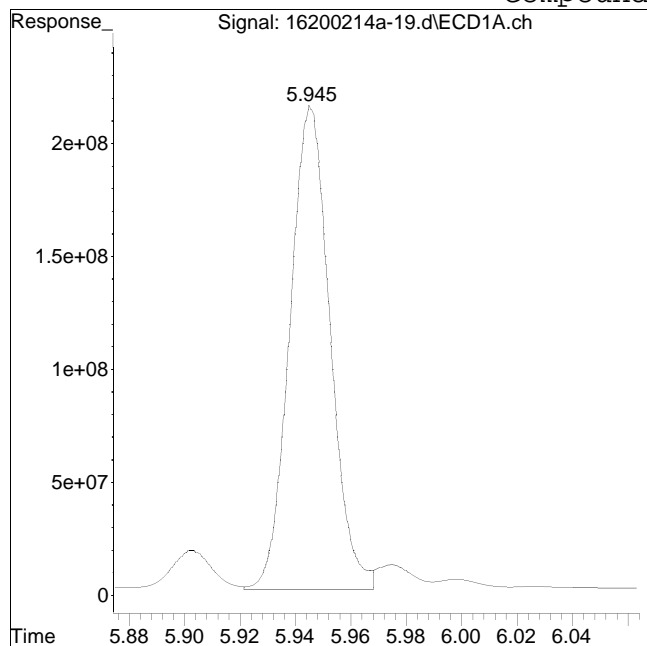
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200214A\
Data File : 16200214a-19.d
Date Inj'd : 2/14/2020 5:57 pm
Sample : 12006151-09,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/17/2020 5:28 pm

Compound #12: 1260-4



Original Peak Response = 2157238946

Manual Peak Response = 2308292512 M2

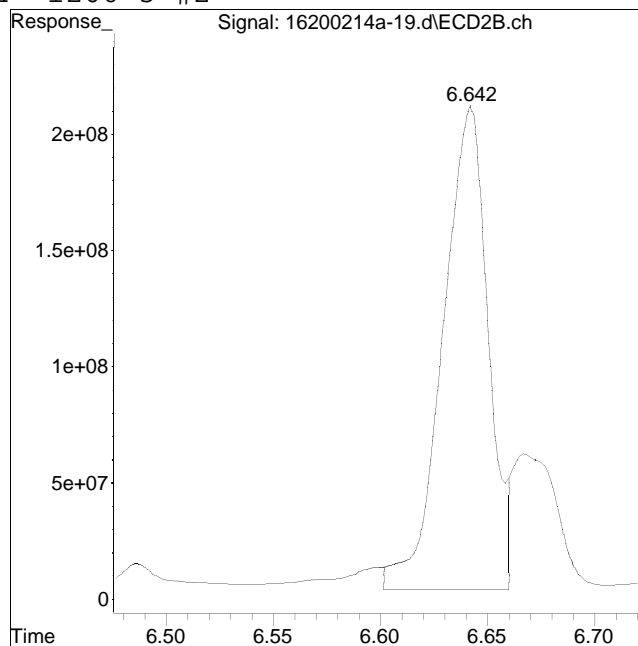
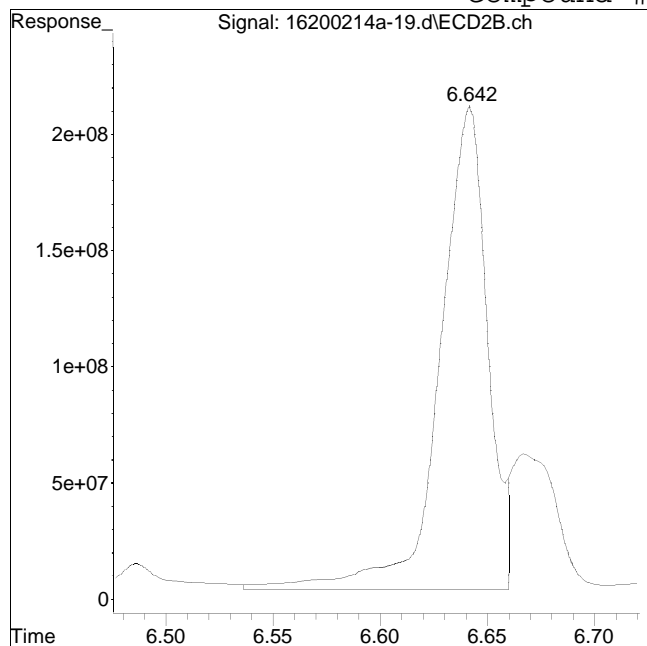
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200214A\
Data File : 16200214a-19.d
Date Inj'd : 2/14/2020 5:57 pm
Sample : 12006151-09,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/17/2020 5:28 pm

Compound #64: 1260-5 #2



Original Peak Response = 3195493452

Manual Peak Response = 3001984242 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200215A\
 Data File : 16200215a-20.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Feb 2020 3:32 pm
 Operator : pest16:ht
 Sample : l2006151-02d,42e,5,
 Misc : wgl1341115,wgl1340200,ical16473
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 23:19:35 2020
 Quant Method : I:\Pest16\200215A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200215A\16200215a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.253	2.288	617.0E6	1613.1E6	250.000	250.000
Standard Area 1 : #1 = 710989615					Recovery =	86.78%
Standard Area 1 : #2 = 1550438604					Recovery =	104.04%
14) i 2154_1br2nb	2.253	2.288	617.0E6	1613.1E6	250.000	250.000
23) i 4268_1br2nb	2.253	2.288	617.0E6	1613.1E6	250.000	250.000
34) i 1248_1br2nb	2.253	2.288	617.0E6	1613.1E6	250.000	250.000
40) i 3262_1br2nb	2.253	2.288	617.0E6	1613.1E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.768	2.954	241.7E6	534.2E6	84.137	73.408
Spiked Amount 500.000	Range 30 - 150				Recovery =	16.83%# 14.68%#
3) s Decachlorobi	6.871	7.412	156.2E6	283.8E6	77.377	69.588
Spiked Amount 500.000	Range 30 - 150				Recovery =	15.48%# 13.92%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.056	5.546	519.1E6	1139.6E6	3756.639	3513.604
10) l2 1260-2	5.261	5.691	877.2E6	1312.6E6	4131.411	3473.746
11) l2 1260-3	5.726	6.220	613.5E6	1279.8E6	4618.545	4249.352
12) l2 1260-4	5.942	6.383	1542.4E6	2898.8E6	4975.935	4615.294
13) l2 1260-5	6.141	6.636	1090.3E6	2008.0E6	5371.076	4734.705
Sum 1260-1			4642.5E6	8638.9E6	22853.607	20586.701
Average 1260-1					4570.721	4117.340

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200215A\
 Data File : 16200215a-20.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Feb 2020 3:32 pm
 Operator : pest16:ht
 Sample : l2006151-02d,42e,5,
 Misc : wgl1341115,wgl1340200,ical16473
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 23:19:35 2020
 Quant Method : I:\Pest16\200215A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200215A\16200215a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200215A\
 Data File : 16200215a-20.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Feb 2020 3:32 pm
 Operator : pest16:ht
 Sample : l2006151-02d,42e,5,
 Misc : wg1341115,wg1340200,ical16473
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 23:19:35 2020
 Quant Method : I:\Pest16\200215A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200215A\16200215a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

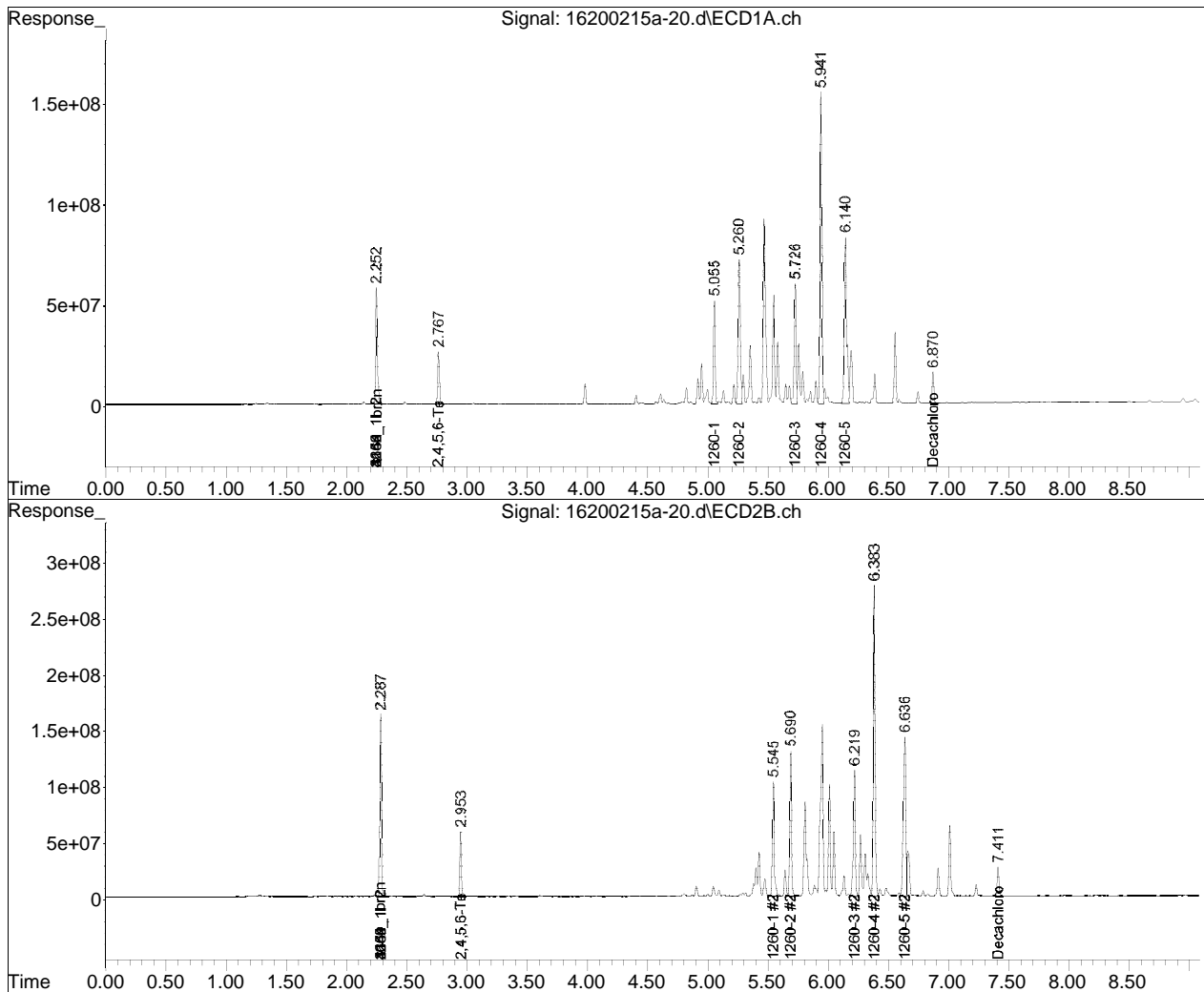
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200215A\
Data File : 16200215a-20.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Feb 2020 3:32 pm
Operator : pest16:ht
Sample : l2006151-02d,42e,5,
Misc : wg1341115,wg1340200,ical16473
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 23:19:35 2020
Quant Method : I:\Pest16\200215A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest16\200215A\	QMethod	: P16_pcb_01_29_20_ugL_ICA
Data File	: 16200215a-20.d	Operator	: pest16:ht
Date Inj'd	: 2/15/2020 3:32 pm	Instrument	: PEST16
Sample	: 12006151-02d,42e,5,	Quant Date	: 2/17/2020 11:13 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200215A\
 Data File : 16200215a-21.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Feb 2020 3:44 pm
 Operator : pest16:ht
 Sample : l2006151-03d,42e,5,
 Misc : wgl1341115,wgl1340200,ical16473
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 23:20:02 2020
 Quant Method : I:\Pest16\200215A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200215A\16200215a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.253	2.288	709.7E6	1611.4E6	250.000	250.000
Standard Area 1 : #1 = 710989615					Recovery =	99.82%
Standard Area 1 : #2 = 1550438604					Recovery =	103.93%
14) i 2154_1br2nb	2.253	2.288	709.7E6	1611.4E6	250.000	250.000
23) i 4268_1br2nb	2.253	2.288	709.7E6	1611.4E6	250.000	250.000
34) i 1248_1br2nb	2.253	2.288	709.7E6	1611.4E6	250.000	250.000
40) i 3262_1br2nb	2.253	2.288	709.7E6	1611.4E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.768	2.953	249.2E6	535.5E6	75.399	73.677
Spiked Amount 500.000	Range 30 - 150		Recovery =		15.08%#	14.74%#
3) s Decachlorobi	6.871	7.412	143.4E6	279.5E6	61.780	68.611
Spiked Amount 500.000	Range 30 - 150		Recovery =		12.36%#	13.72%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.056	5.546	288.9E6	628.3E6	1817.685	1939.256
10) l2 1260-2	5.261	5.691	502.6E6	754.7E6	2057.969	1999.359
11) l2 1260-3	5.727	6.220	327.8E6	697.4E6	2145.257	2317.991
12) l2 1260-4	5.942	6.384	870.0E6	1566.5E6	2440.062	2496.753
13) l2 1260-5	6.141	6.637	579.1E6	1083.5E6	2479.851	2557.511
Sum 1260-1			2568.3E6	4730.2E6	10940.824	11310.870
Average 1260-1					2188.165	2262.174

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200215A\
 Data File : 16200215a-21.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Feb 2020 3:44 pm
 Operator : pest16:ht
 Sample : l2006151-03d,42e,5,
 Misc : wgl1341115,wgl1340200,ical16473
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 23:20:02 2020
 Quant Method : I:\Pest16\200215A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200215A\16200215a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200215A\
 Data File : 16200215a-21.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Feb 2020 3:44 pm
 Operator : pest16:ht
 Sample : l2006151-03d,42e,5,
 Misc : wgl1341115,wgl1340200,ical16473
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 23:20:02 2020
 Quant Method : I:\Pest16\200215A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200215A\16200215a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

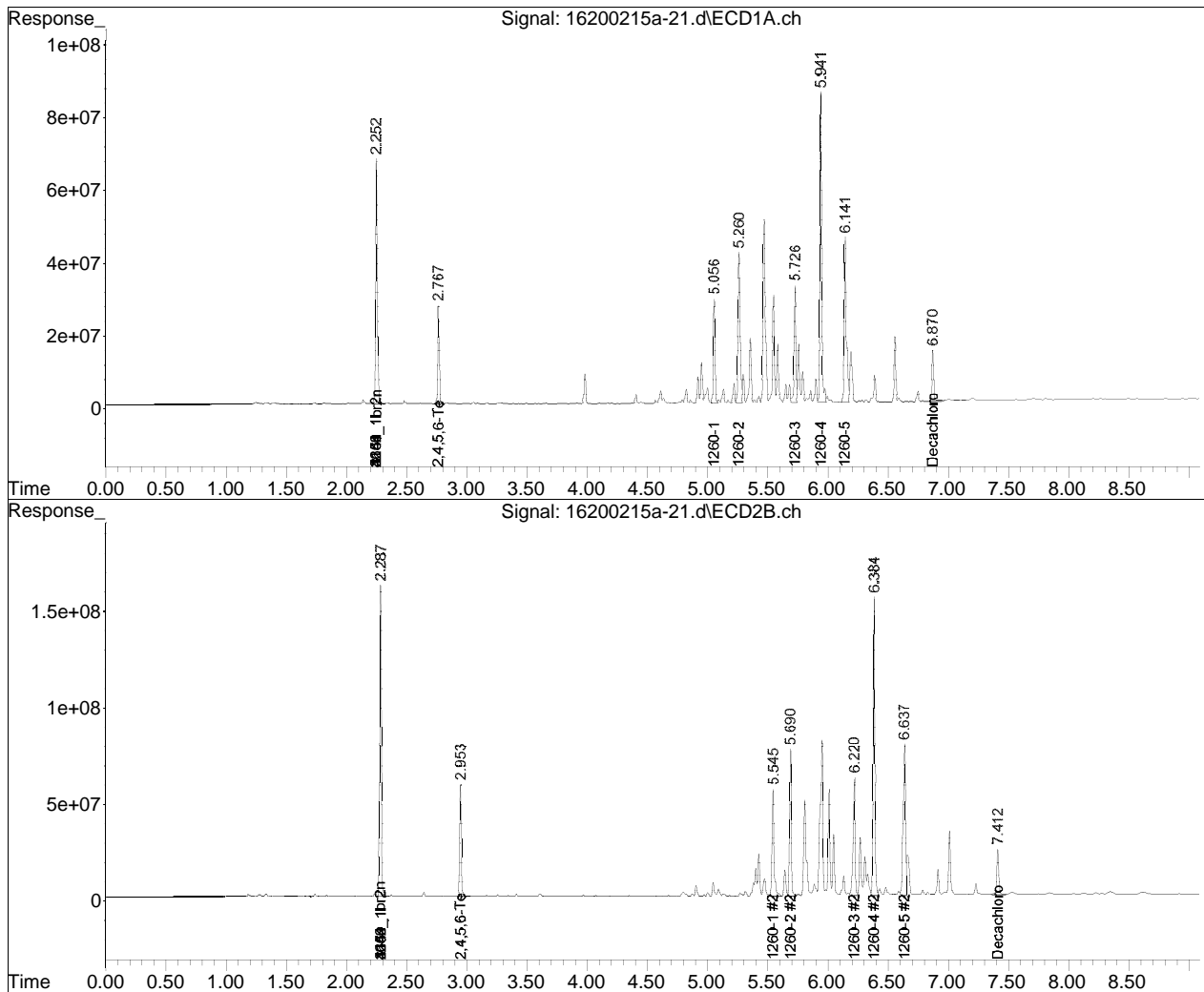
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200215A\
Data File : 16200215a-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Feb 2020 3:44 pm
Operator : pest16:ht
Sample : l2006151-03d,42e,5,
Misc : wg1341115,wg1340200,ical16473
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 23:20:02 2020
Quant Method : I:\Pest16\200215A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest16\200215A\	QMethod	: P16_pcb_01_29_20_ugL_ICA
Data File	: 16200215a-21.d	Operator	: pest16:ht
Date Inj'd	: 2/15/2020 3:44 pm	Instrument	: PEST16
Sample	: 12006151-03d,42e,5,	Quant Date	: 2/17/2020 11:13 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:18 pm
 Operator : pest19:aws
 Sample : L2006151-01,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:34:19 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 16:49:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.992	1.036	35928009	48884209	250.000	250.000
Standard Area 1 : #1 = 27370756					Recovery =	131.26%
Standard Area 1 : #2 = 38179832					Recovery =	128.04%
14) i 2154_1br2nb	0.992	1.036	35928009	48884209	250.000	250.000
23) i 4268_1br2nb	0.992	1.036	35928009	48884209	250.000	250.000
34) i 1248_1br2nb	0.992	1.036	35928009	48884209	250.000	250.000
40) i 3262_1br2nb	0.992	1.036	35928009	48884209	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.249	1.381	45453496	59918141	242.431	239.984
Spiked Amount 500.000	Range 30 - 150				Recovery =	48.49%
3) s Decachlorobi	4.006	4.519	31390212	47003485	208.718	223.190
Spiked Amount 500.000	Range 30 - 150				Recovery =	41.74%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.569	2.957	70070871	105.9E6	7400.016M2	8051.104M2
10) l2 1260-2	2.714	3.073	127.6E6	139.0E6	8958.760M2	9009.804M2
11) l2 1260-3	3.057	3.491	72107417	89423627	7782.715M2	6648.616
12) l2 1260-4	3.228	3.633	152.4E6	225.7E6	7823.962M2	7975.405
13) l2 1260-5	3.386	3.844	123.7E6	152.4E6	8783.892M1	7753.300M2

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:18 pm
 Operator : pest19:aws
 Sample : L2006151-01,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:34:19 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 16:49:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1			545.8E6	712.5E6	40749.346	39438.230
Average 1260-1					8149.869	7887.646
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:18 pm
 Operator : pest19:aws
 Sample : L2006151-01,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:34:19 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 16:49:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:18 pm
 Operator : pest19:aws
 Sample : L2006151-01,42e,,
 Misc : wg1340785,wg1340200,ical16321
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:34:19 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 16:49:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

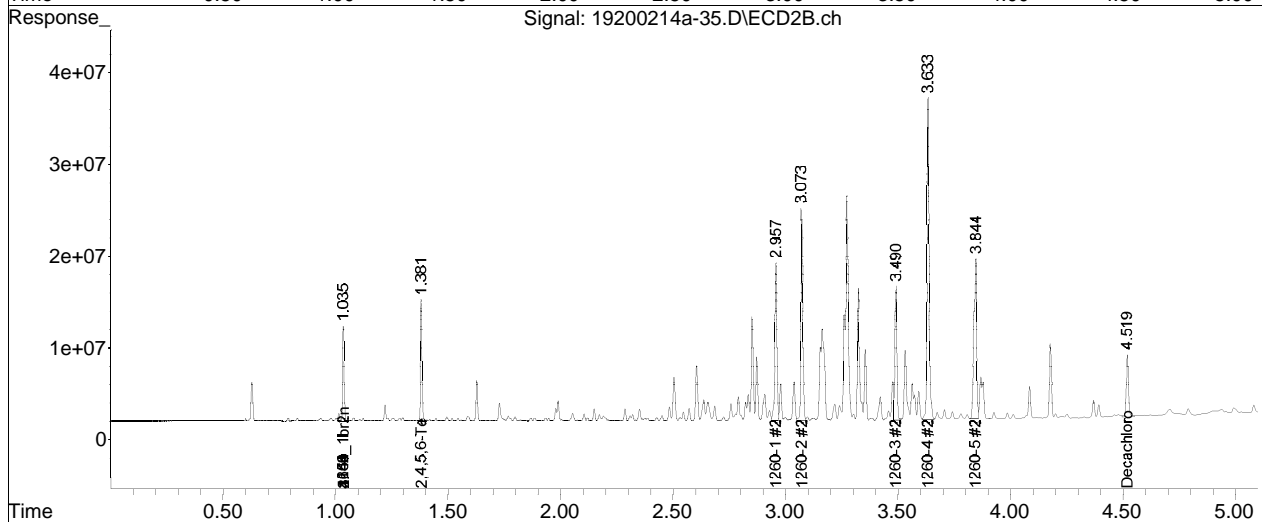
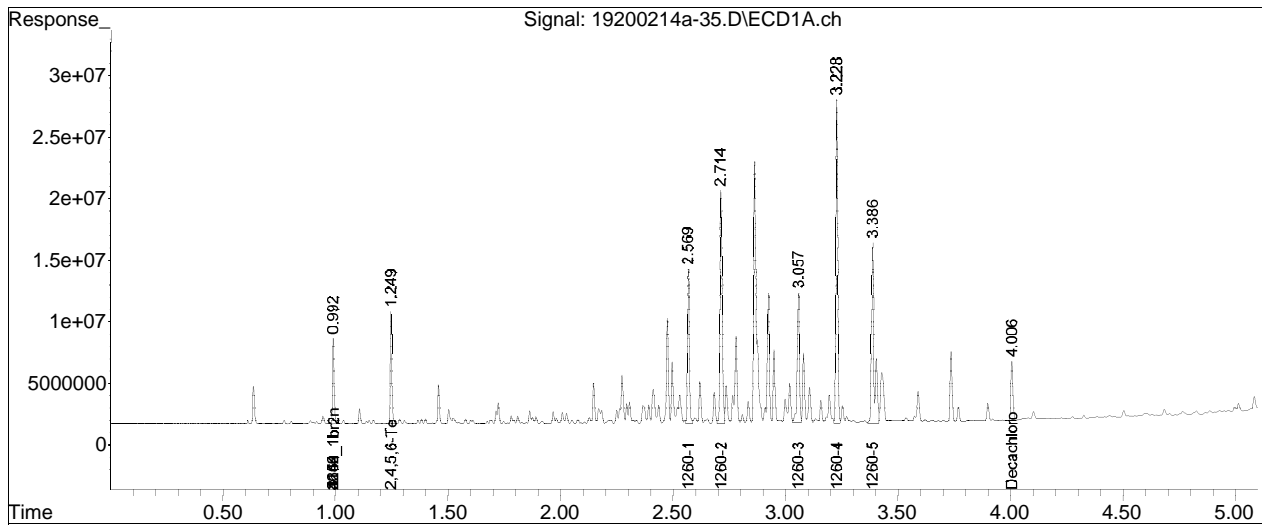
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-35.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 05:18 pm
Operator : pest19:aws
Sample : L2006151-01,42e,,
Misc : wg1340785,wg1340200,ical16321
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 17:34:19 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Mon Feb 17 16:49:53 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

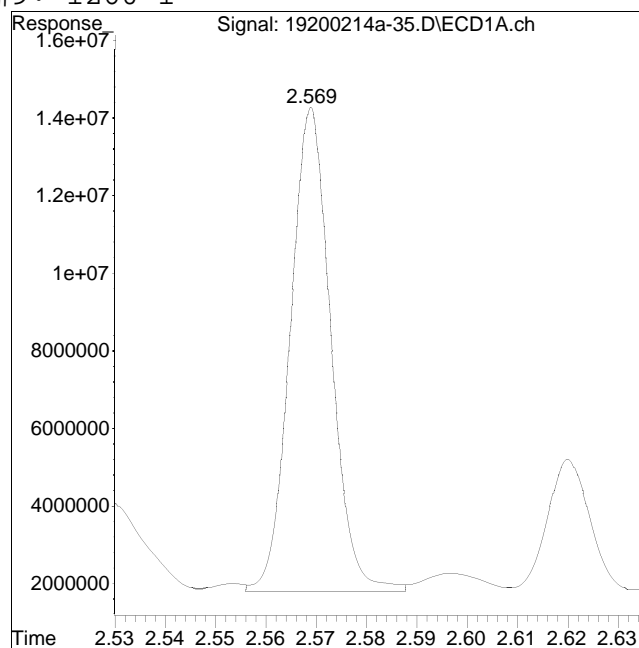
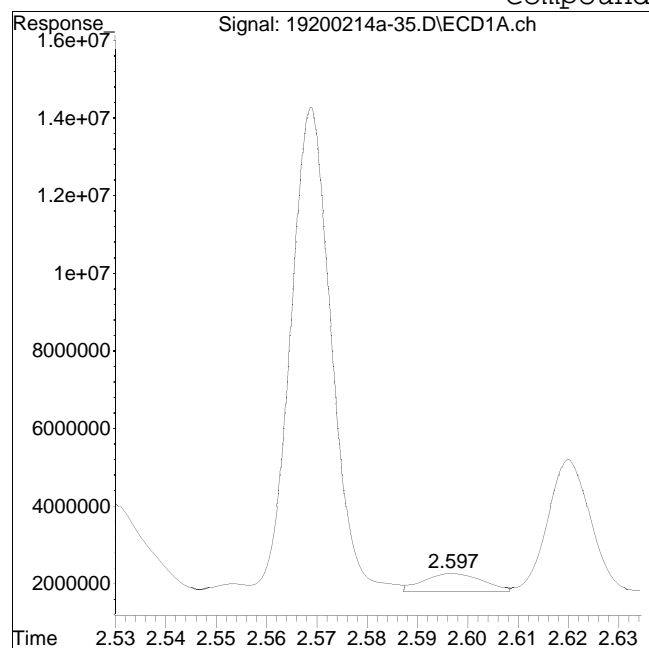


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-35.D
Date Inj'd : 2/14/2020 5:18 pm
Sample : L2006151-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:25 pm

Compound #9: 1260-1



Original Peak Response = 3901786

Manual Peak Response = 70070871 M2

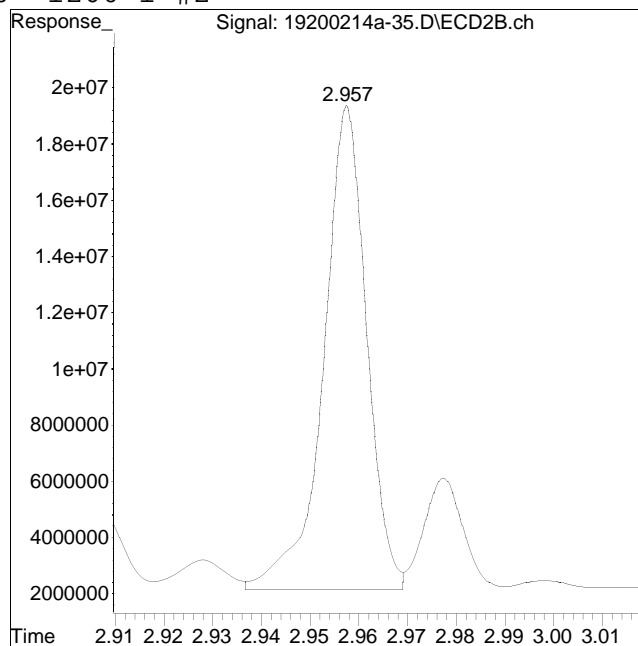
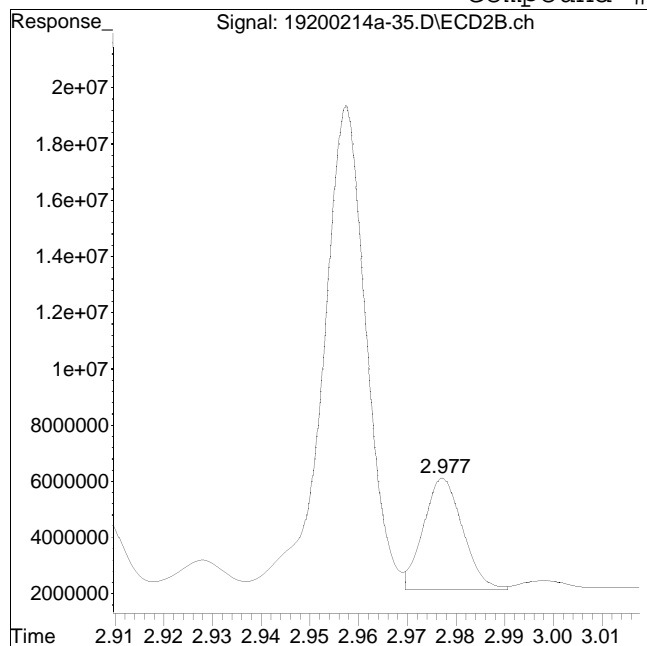
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-35.D
Date Inj'd : 2/14/2020 5:18 pm
Sample : L2006151-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:25 pm

Compound #60: 1260-1 #2



Original Peak Response = 22481964

Manual Peak Response = 105872564 M2

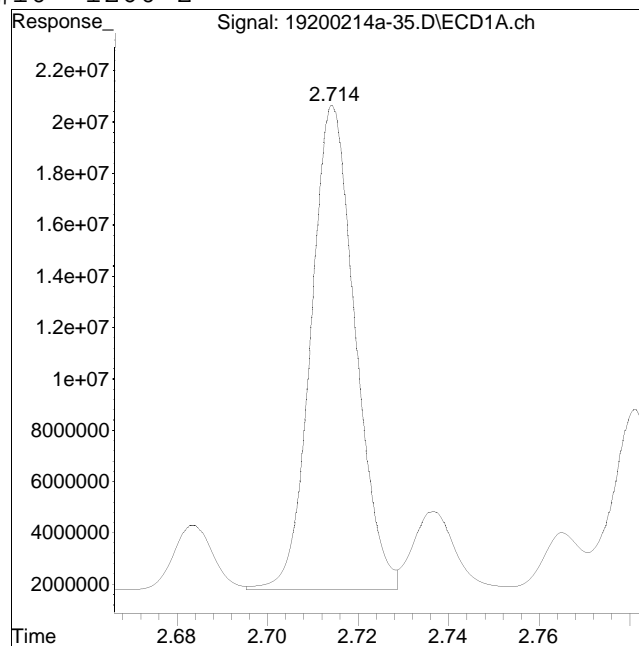
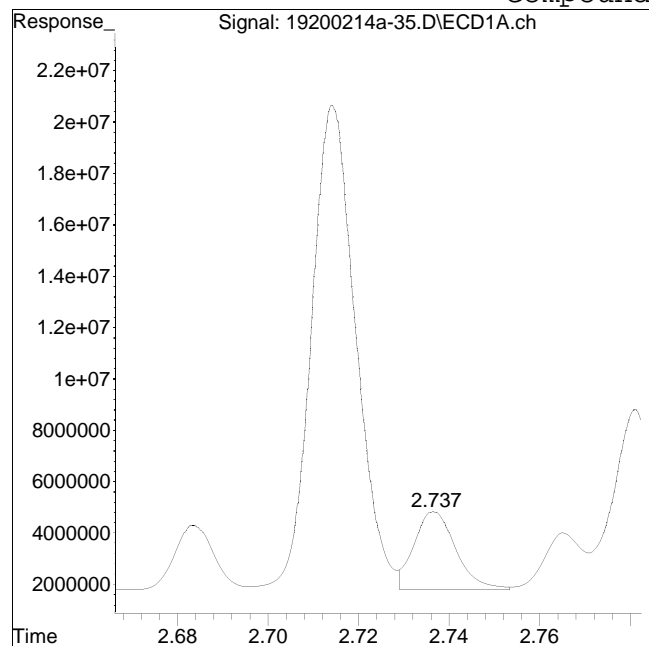
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-35.D
Date Inj'd : 2/14/2020 5:18 pm
Sample : L2006151-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:25 pm

Compound #10: 1260-2



Original Peak Response = 19558564

Manual Peak Response = 127550956 M2

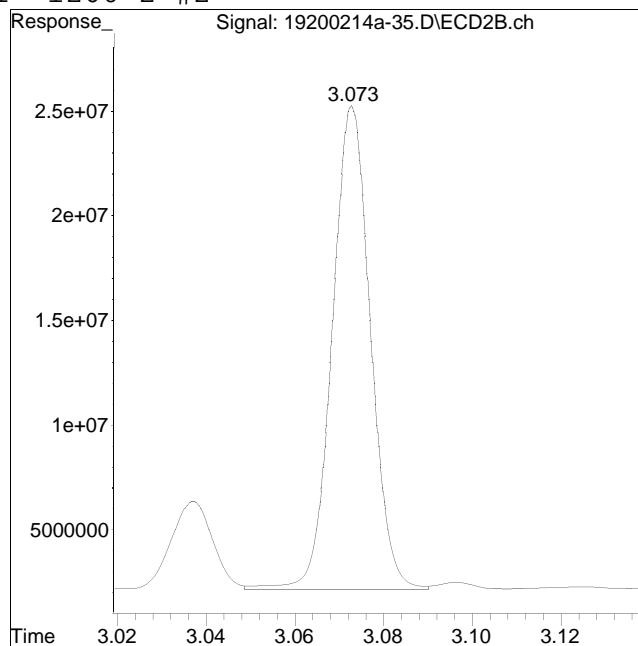
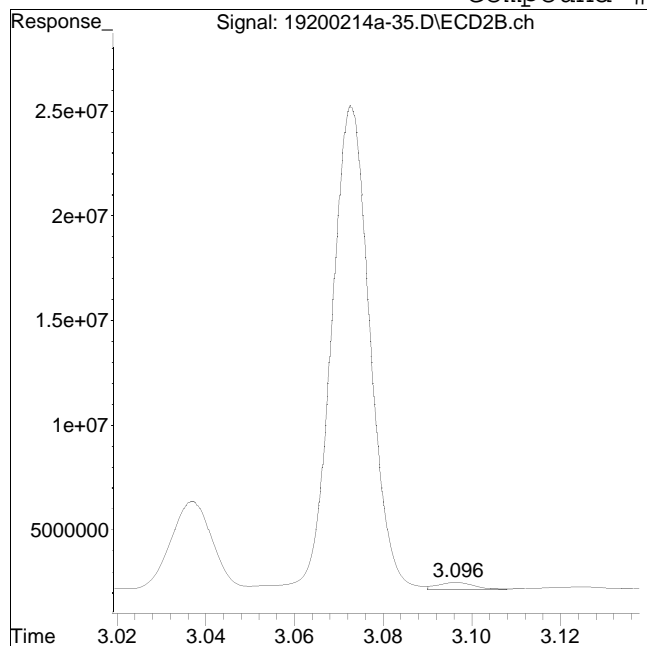
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-35.D
Date Inj'd : 2/14/2020 5:18 pm
Sample : L2006151-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:25 pm

Compound #61: 1260-2 #2



Original Peak Response = 2337357

Manual Peak Response = 139030354 M2

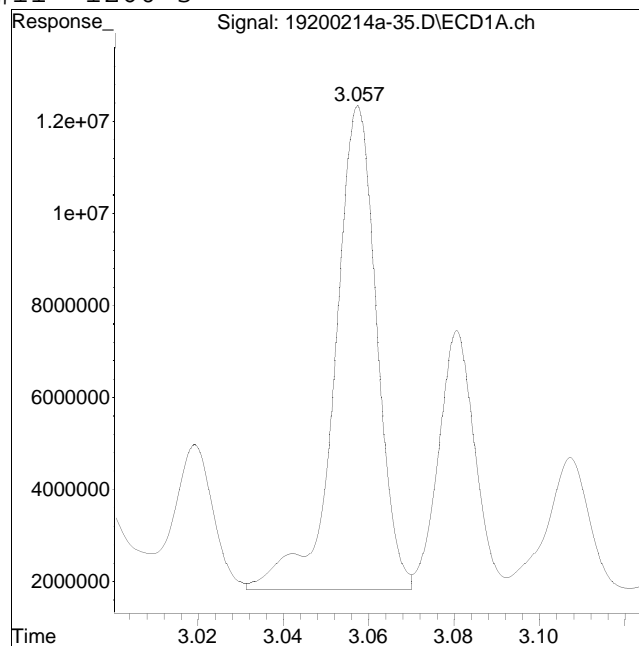
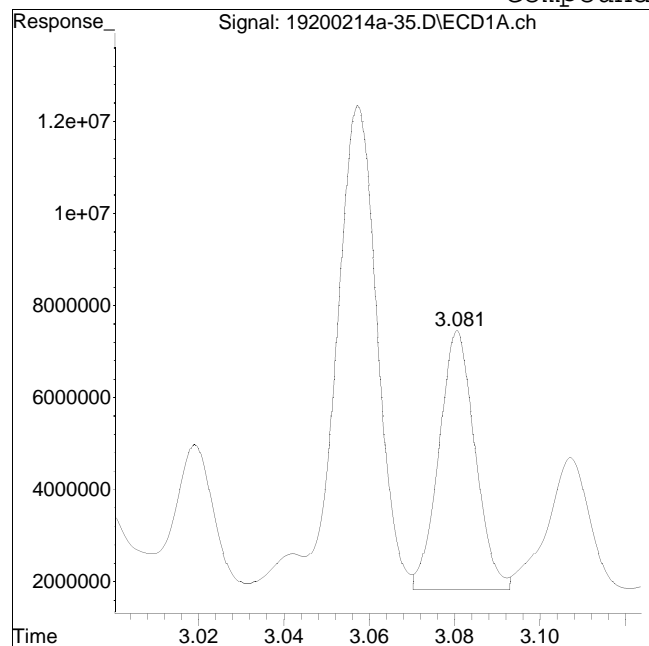
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-35.D
Date Inj'd : 2/14/2020 5:18 pm
Sample : L2006151-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:25 pm

Compound #11: 1260-3



Original Peak Response = 33061560

Manual Peak Response = 72107417 M2

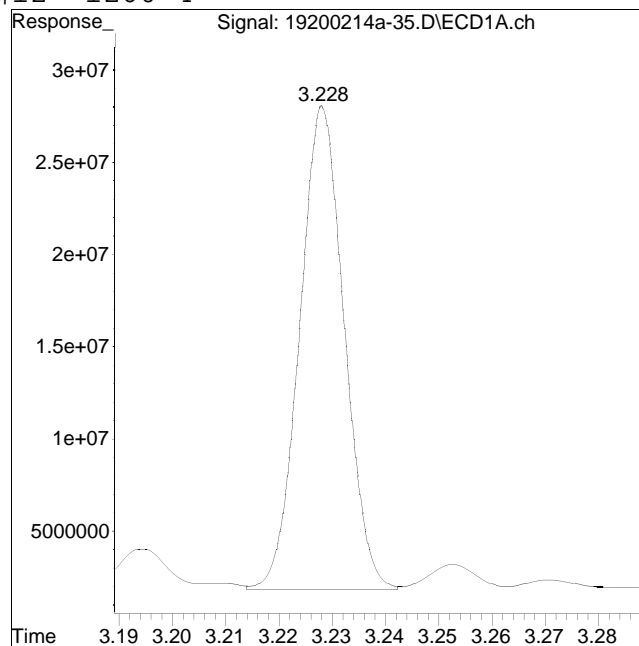
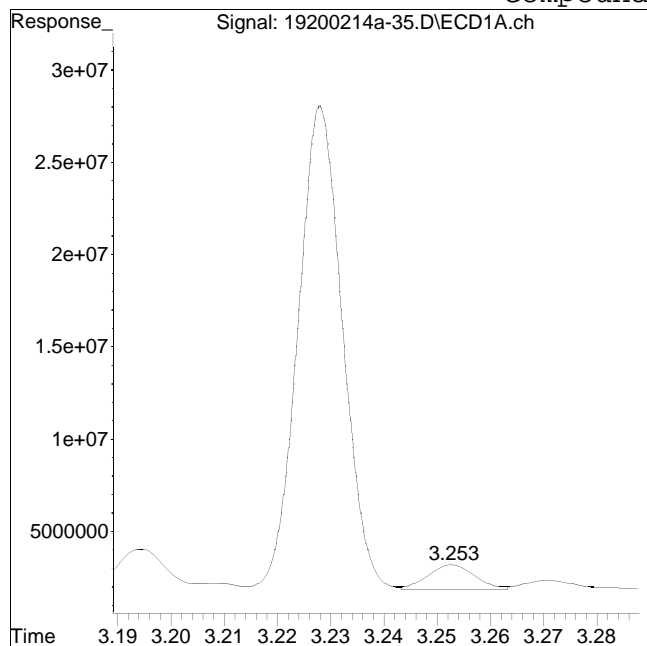
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-35.D
Date Inj'd : 2/14/2020 5:18 pm
Sample : L2006151-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:25 pm

Compound #12: 1260-4



Original Peak Response = 8436324

Manual Peak Response = 152425252 M2

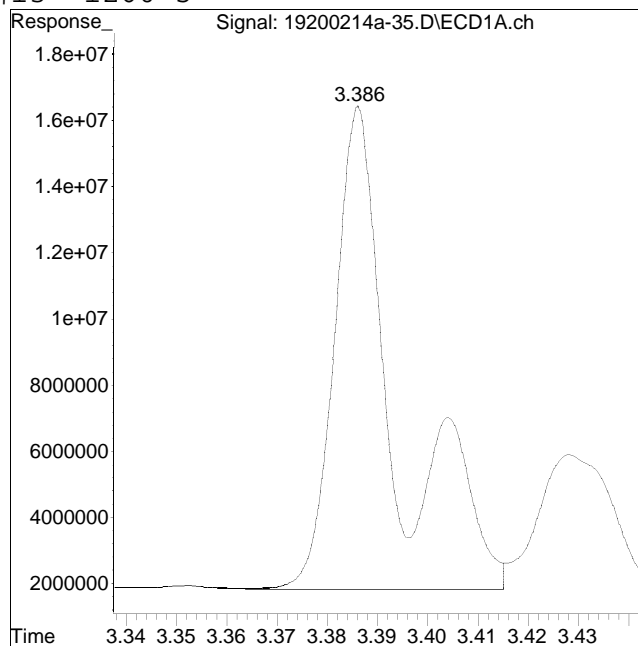
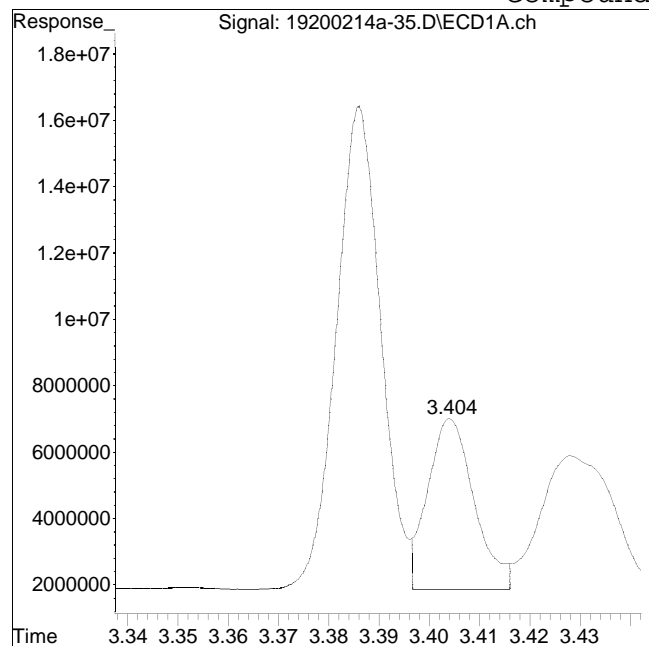
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-35.D
Date Inj'd : 2/14/2020 5:18 pm
Sample : L2006151-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:25 pm

Compound #13: 1260-5



Original Peak Response = 33143253

Manual Peak Response = 123653672 M1

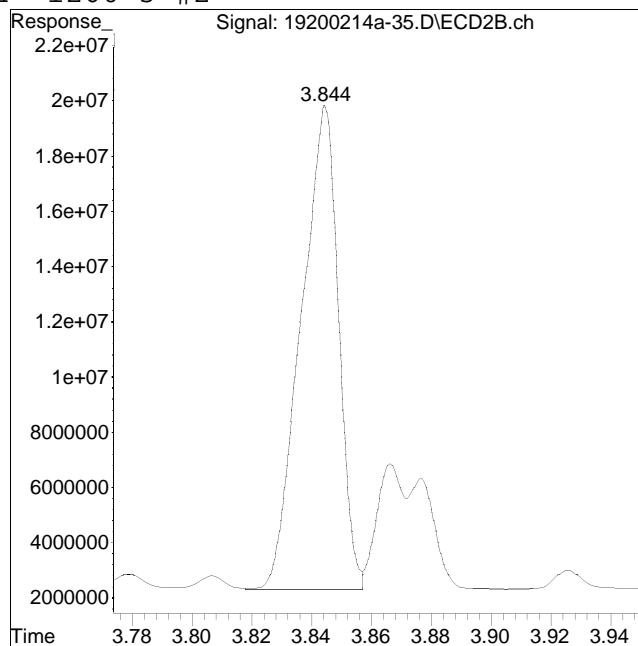
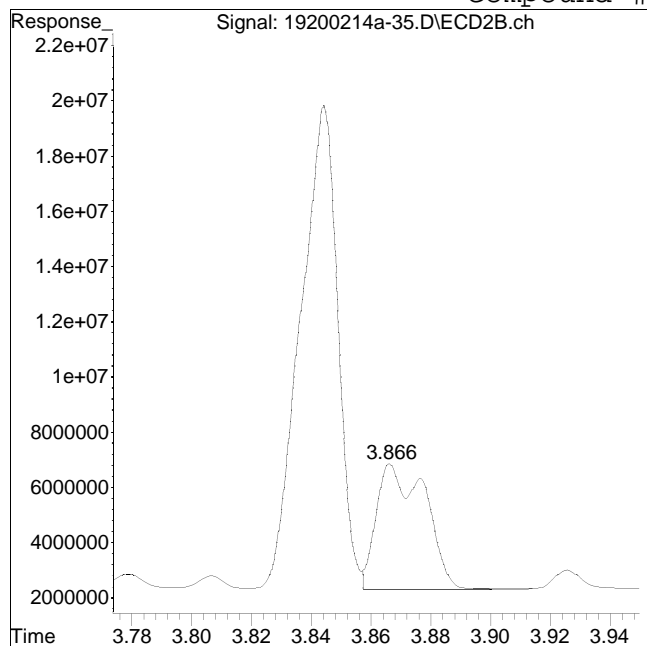
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-35.D
Date Inj'd : 2/14/2020 5:18 pm
Sample : L2006151-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:25 pm

Compound #64: 1260-5 #2



Original Peak Response = 51865043

Manual Peak Response = 152443860 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-38.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:39 pm
 Operator : pest19:aws
 Sample : L2006151-04,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:44:23 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.993	1.036	33380313	46565433	250.000	250.000
Standard Area 1 : #1 = 27370756					Recovery =	121.96%
Standard Area 1 : #2 = 38179832					Recovery =	121.96%
14) i 2154_1br2nb	0.993	1.036	33380313	46565433	250.000	250.000
23) i 4268_1br2nb	0.993	1.036	33380313	46565433	250.000	250.000
34) i 1248_1br2nb	0.993	1.036	33380313	46565433	250.000	250.000
40) i 3262_1br2nb	0.993	1.036	33380313	46565433	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.249	1.382	49553534	67400150	284.471	283.393
Spiked Amount 500.000	Range 30 - 150				Recovery =	56.89%
3) s Decachlorobi	4.005	4.518	32851824	48992676	235.108	244.220
Spiked Amount 500.000	Range 30 - 150				Recovery =	47.02%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.570	2.959	14651433	19735695	1665.398	1575.540
10) l2 1260-2	2.715	3.073	27489551	30972476	2078.139	2107.107
11) l2 1260-3	3.058	3.491	19347731	23234008	2247.626	1813.460
12) l2 1260-4	3.228	3.633	44899307	61157069	2480.574	2268.349
13) l2 1260-5	3.386	3.845	34015678	42765933	2600.769M1	2283.387
Sum 1260-1			140.4E6	177.9E6	11072.506	10047.843
Average 1260-1					2214.501	2009.569

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-38.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:39 pm
 Operator : pest19:aws
 Sample : L2006151-04,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:44:23 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-38.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:39 pm
 Operator : pest19:aws
 Sample : L2006151-04,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:44:23 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

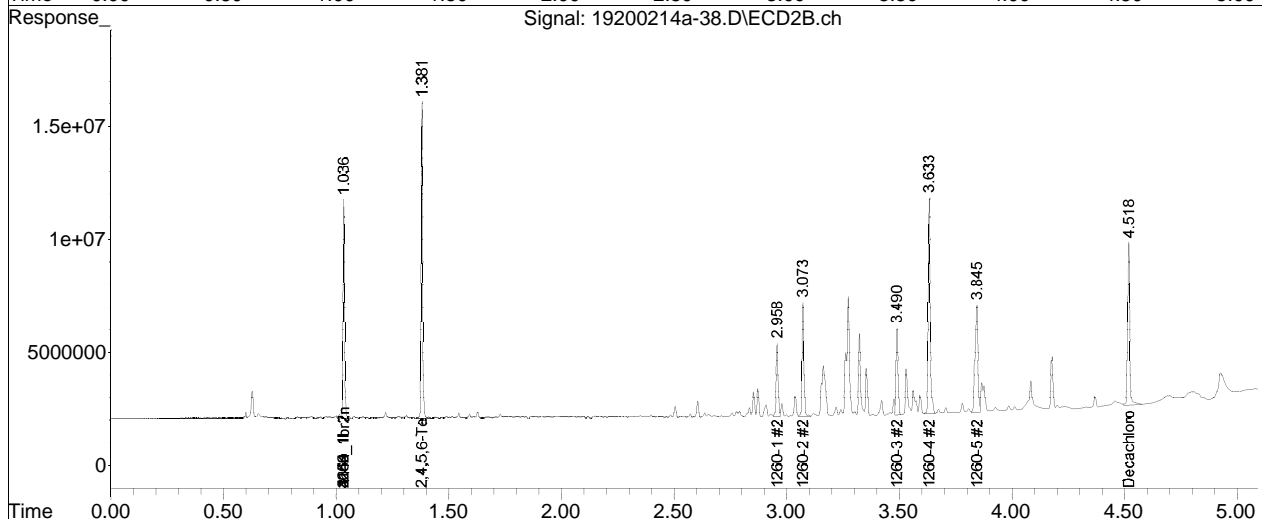
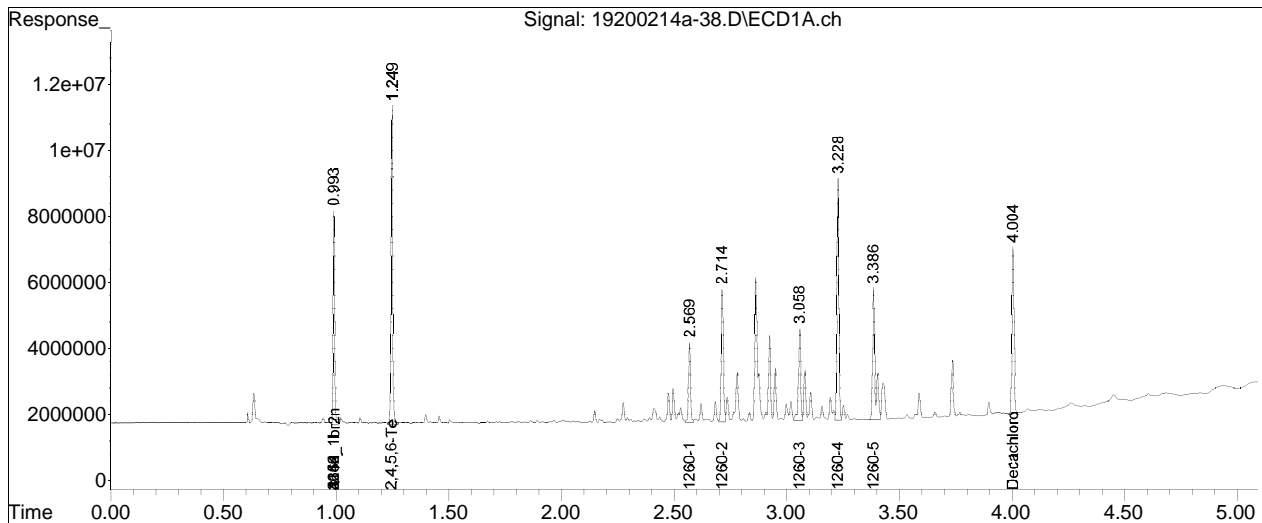
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-38.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 05:39 pm
Operator : pest19:aws
Sample : L2006151-04,42e,,
Misc : wg1340785,wg1340200,ical16321
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 17:44:23 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Mon Feb 17 17:35:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

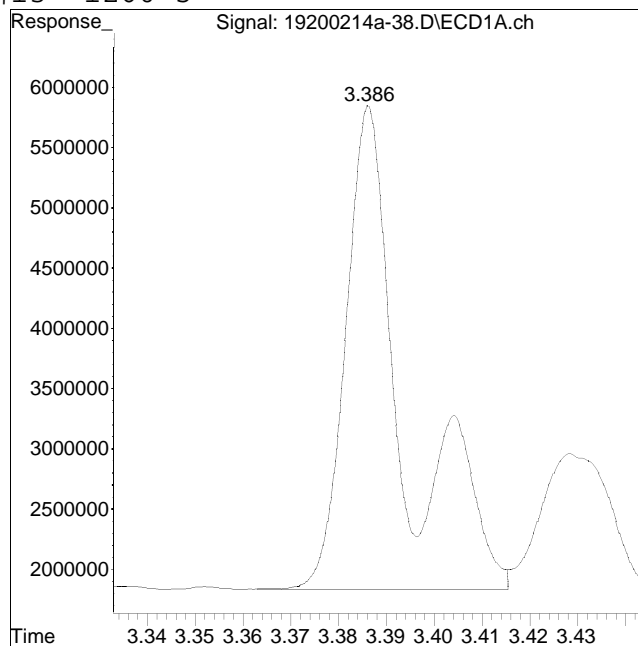
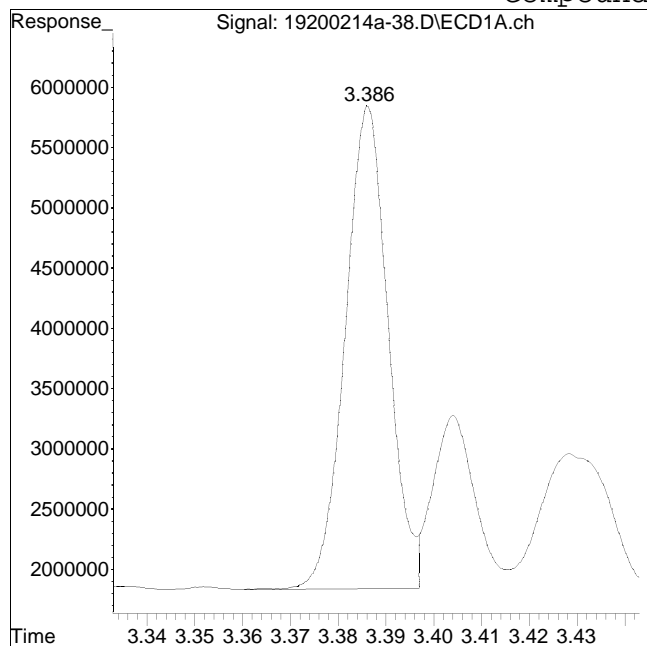


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-38.D
Date Inj'd : 2/14/2020 5:39 pm
Sample : L2006151-04,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:35 pm

Compound #13: 1260-5



Original Peak Response = 24911143

Manual Peak Response = 34015678 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-39.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:46 pm
 Operator : pest19:aws
 Sample : L2006151-05,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:45:05 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.992	1.036	33179118	45165480	250.000	250.000
Standard Area 1 : #1 = 27370756					Recovery =	121.22%
Standard Area 1 : #2 = 38179832					Recovery =	118.30%
14) i 2154_1br2nb	0.992	1.036	33179118	45165480	250.000	250.000
23) i 4268_1br2nb	0.992	1.036	33179118	45165480	250.000	250.000
34) i 1248_1br2nb	0.992	1.036	33179118	45165480	250.000	250.000
40) i 3262_1br2nb	0.992	1.036	33179118	45165480	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.249	1.382	50136303	67734113	289.562	293.625
Spiked Amount 500.000	Range 30 - 150				Recovery =	57.91%
3) s Decachlorobi	4.005	4.518	35074065	46442400	252.534	238.683M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	50.51%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.569	2.958	1995846	2193667	228.239	180.553
10) l2 1260-2	2.714	3.073	3056430	3982503	232.459	279.334
11) l2 1260-3	3.057	3.490	1931563	2143062	225.750	172.455
12) l2 1260-4	3.228	3.633	4213263	5561922	234.184	212.689
13) l2 1260-5	3.385	3.844	3305273	3671656	254.247M1	202.116M4
Sum 1260-1			14502376	17552810	1174.880	1047.147
Average 1260-1					234.976	209.429

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-39.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:46 pm
 Operator : pest19:aws
 Sample : L2006151-05,42e,,
 Misc : wg1340785,wg1340200,ical16321
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:45:05 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-39.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:46 pm
 Operator : pest19:aws
 Sample : L2006151-05,42e,,
 Misc : wg1340785,wg1340200,ical16321
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:45:05 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-39.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:46 pm
 Operator : pest19:aws
 Sample : L2006151-05,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:45:05 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

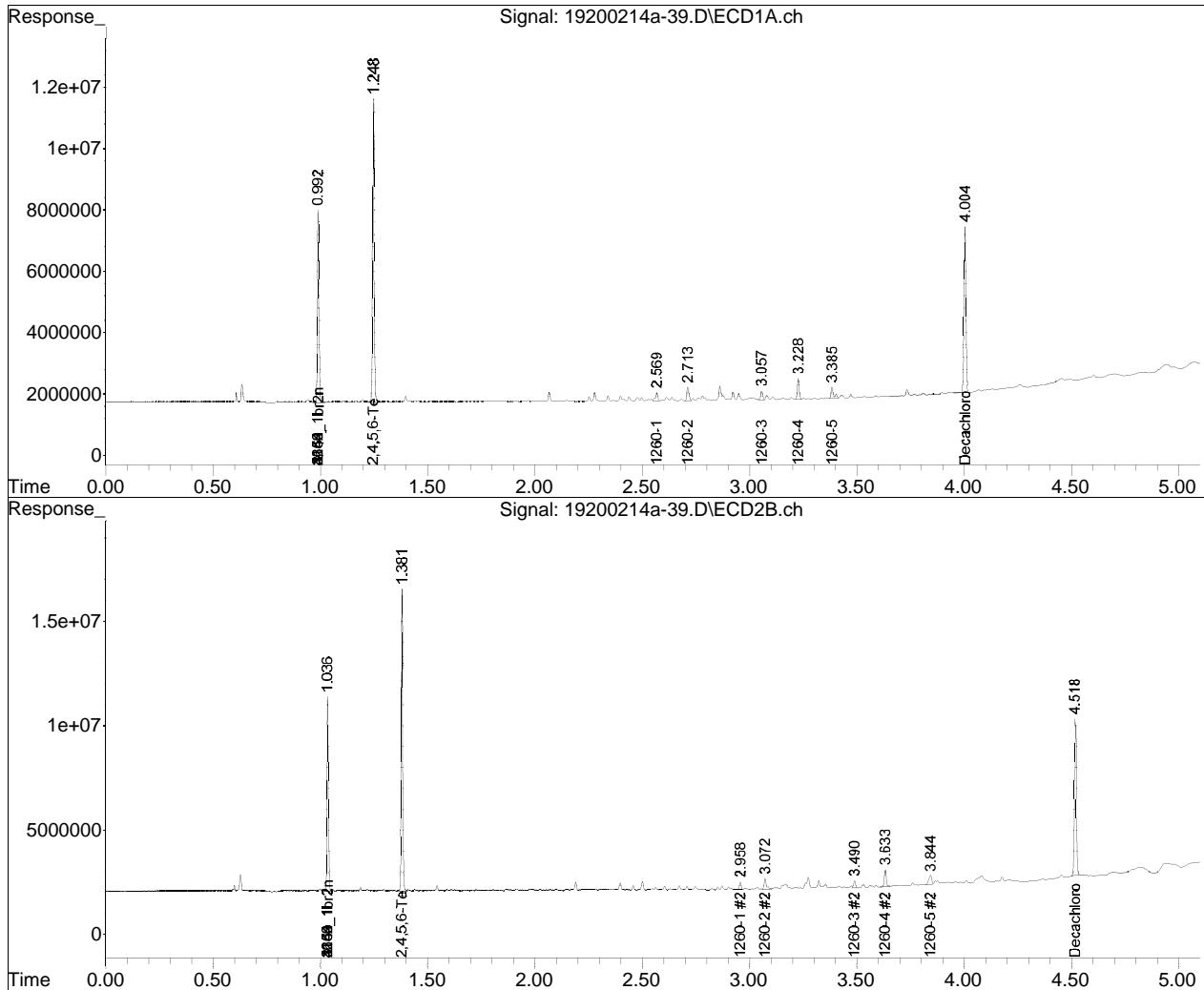
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 05:46 pm
Operator : pest19:aws
Sample : L2006151-05,42e,,
Misc : wg1340785,wg1340200,ical16321
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 17:45:05 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Mon Feb 17 17:35:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

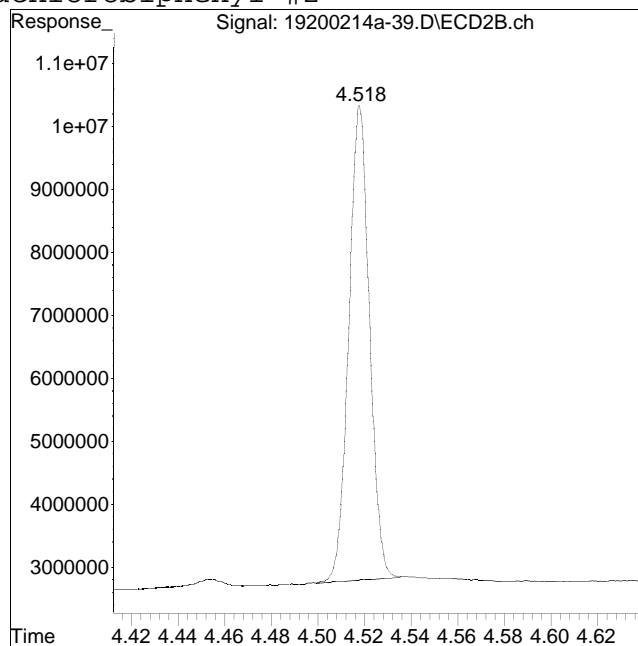
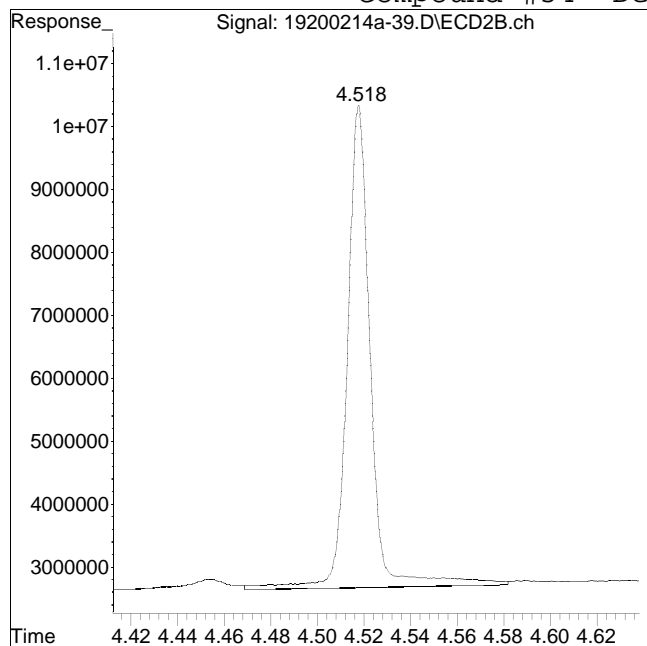


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-39.D
Date Inj'd : 2/14/2020 5:46 pm
Sample : L2006151-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:35 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 53554139

Manual Peak Response = 46442400 M4

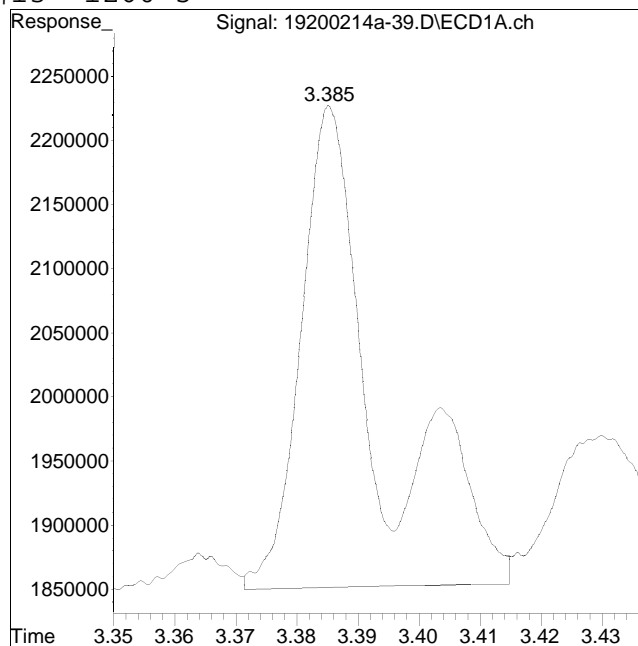
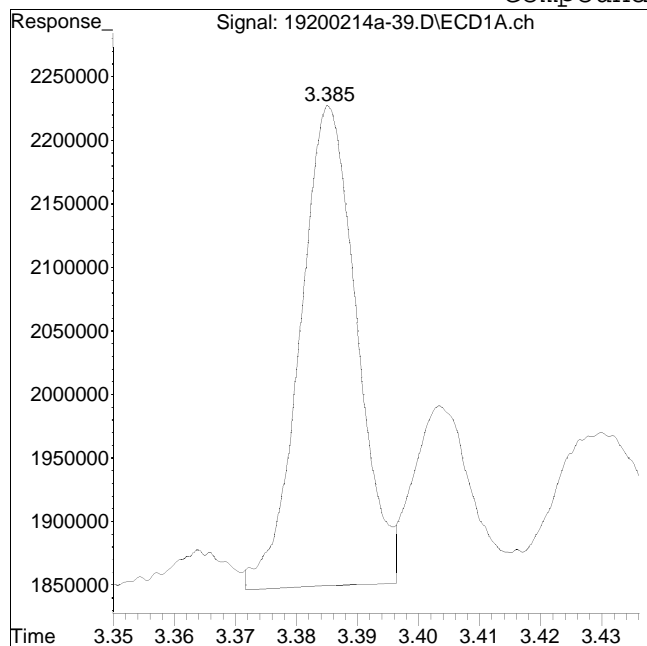
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-39.D
Date Inj'd : 2/14/2020 5:46 pm
Sample : L2006151-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:35 pm

Compound #13: 1260-5



Original Peak Response = 2426079

Manual Peak Response = 3305273 M1

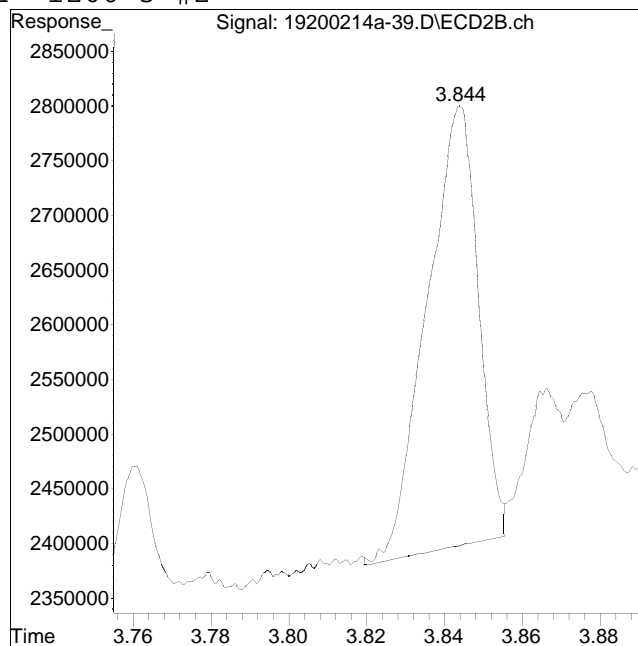
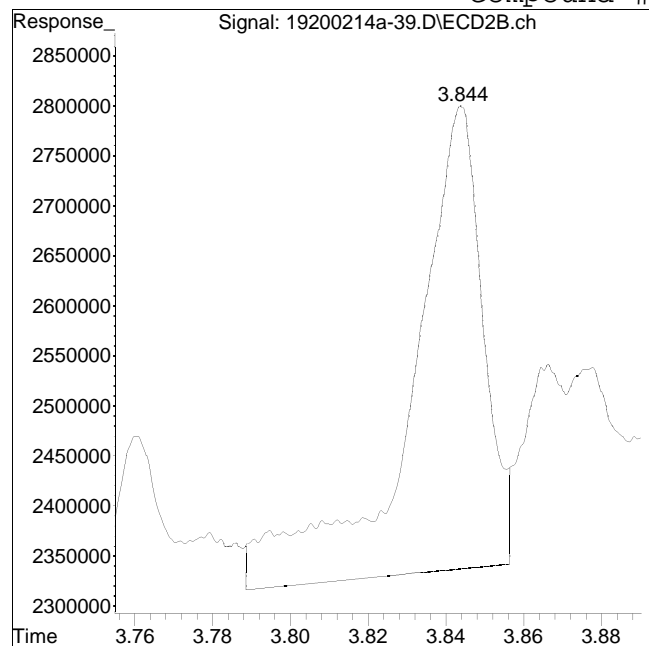
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-39.D
Date Inj'd : 2/14/2020 5:46 pm
Sample : L2006151-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:35 pm

Compound #64: 1260-5 #2



Original Peak Response = 5997258

Manual Peak Response = 3671656 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-40.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:53 pm
 Operator : pest19:aws
 Sample : L2006151-06,42e,,
 Misc : wgl340785,wgl340200,ical16321
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:45:36 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.992	1.035	32274221	43513625	250.000	250.000
Standard Area 1 : #1 = 27370756					Recovery =	117.91%
Standard Area 1 : #2 = 38179832					Recovery =	113.97%
14) i 2154_1br2nb	0.992	1.035	32274221	43513625	250.000	250.000
23) i 4268_1br2nb	0.992	1.035	32274221	43513625	250.000	250.000
34) i 1248_1br2nb	0.992	1.035	32274221	43513625	250.000	250.000
40) i 3262_1br2nb	0.992	1.035	32274221	43513625	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.381	57675844	78776246	342.446	354.456
Spiked Amount 500.000	Range 30 - 150				Recovery =	68.49%
70.89%						
3) s Decachlorobi	4.004	4.518	40750405	55672382	301.631	296.980
Spiked Amount 500.000	Range 30 - 150				Recovery =	60.33%
59.40%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.569	2.958	3795040	4436020	446.158	378.973
10) l2 1260-2	2.714	3.073	5866302	5339481	458.676	388.730
11) l2 1260-3	3.055	3.490	4963388	3859006	596.358	322.328
12) l2 1260-4	3.228	3.633	6759757	10398918	386.259	412.753
13) l2 1260-5	3.385	3.844	6289645	6924036	497.374M1	395.621
Sum 1260-1			27674131	30957461	2384.825	1898.405
Average 1260-1					476.965	379.681

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-40.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:53 pm
 Operator : pest19:aws
 Sample : L2006151-06,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:45:36 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-40.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 05:53 pm
 Operator : pest19:aws
 Sample : L2006151-06,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:45:36 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

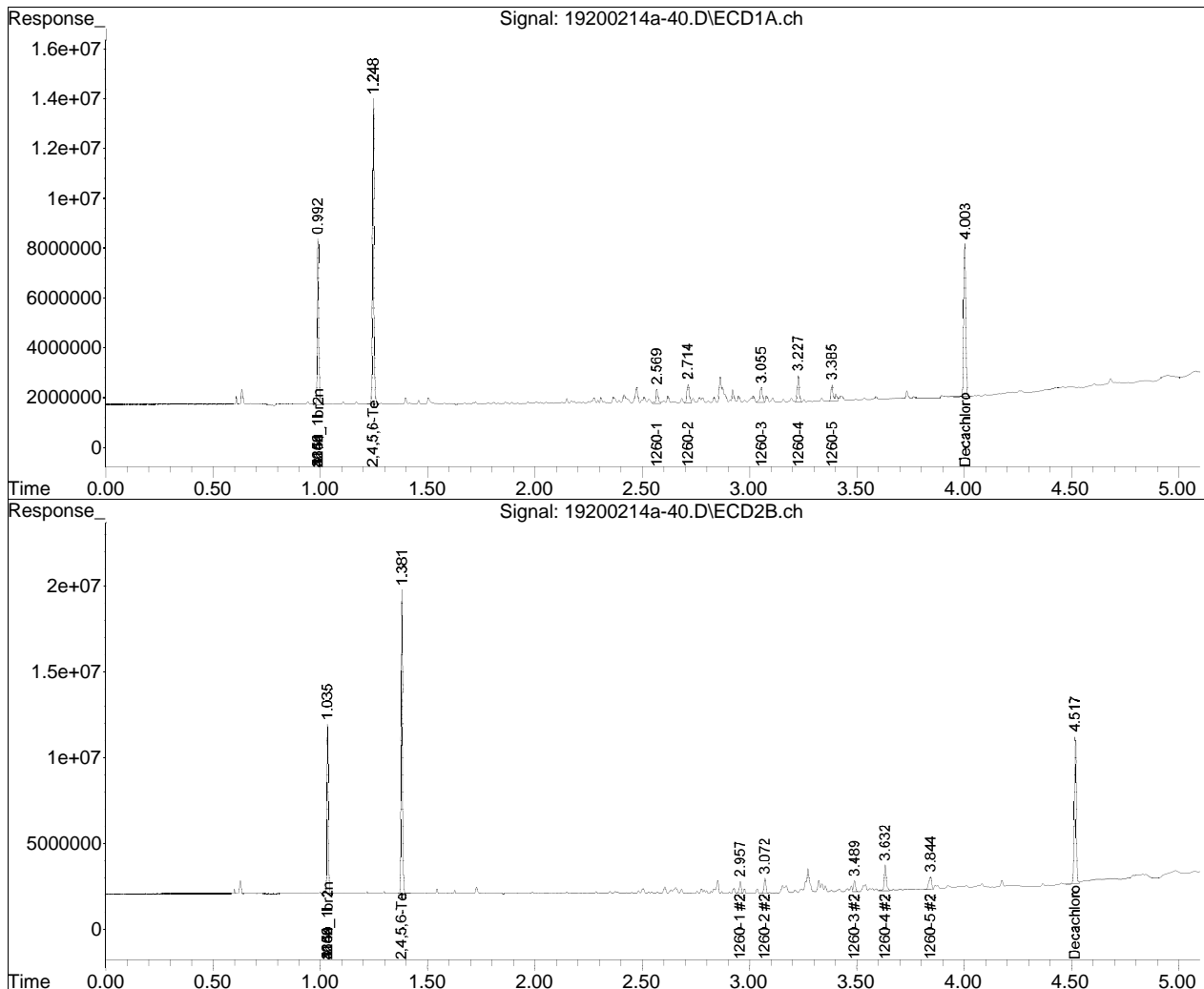
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-40.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 05:53 pm
Operator : pest19:aws
Sample : L2006151-06,42e,,
Misc : wg1340785,wg1340200,ical16321
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 17:45:36 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Mon Feb 17 17:35:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

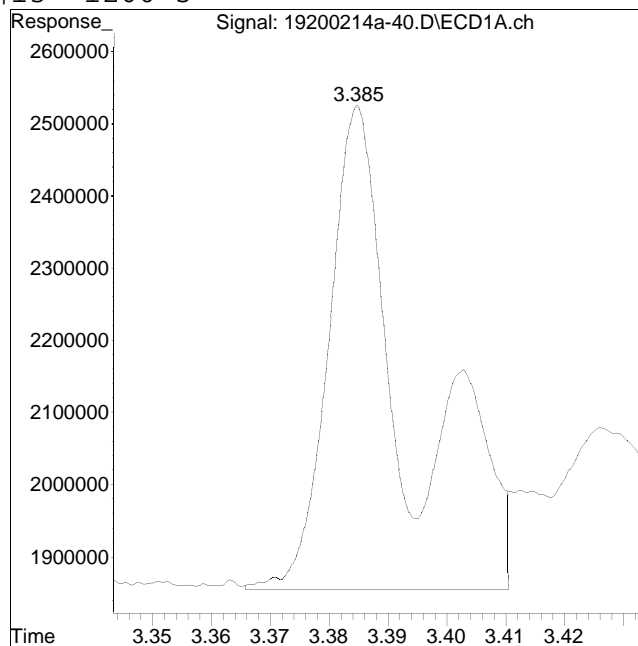
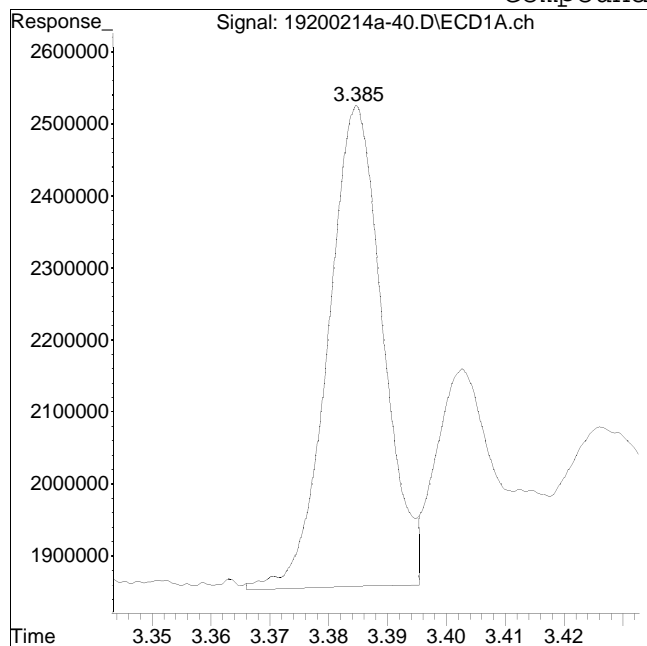


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-40.D
Date Inj'd : 2/14/2020 5:53 pm
Sample : L2006151-06,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:35 pm

Compound #13: 1260-5



Original Peak Response = 4279009

Manual Peak Response = 6289645 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-41.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:00 pm
 Operator : pest19:aws
 Sample : L2006151-07,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:45:58 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.990	1.034	32123254	44872275	250.000	250.000
Standard Area 1 : #1 = 27370756					Recovery =	117.36%
Standard Area 1 : #2 = 38179832					Recovery =	117.53%
14) i 2154_1br2nb	0.990	1.034	32123254	44872275	250.000	250.000
23) i 4268_1br2nb	0.990	1.034	32123254	44872275	250.000	250.000
34) i 1248_1br2nb	0.990	1.034	32123254	44872275	250.000	250.000
40) i 3262_1br2nb	0.990	1.034	32123254	44872275	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.247	1.380	56120670	76697544	334.778	334.654
Spiked Amount 500.000	Range 30 - 150				Recovery =	66.96%
3) s Decachlorobi	4.003	4.517	38700215	52204821	287.801	270.051
Spiked Amount 500.000	Range 30 - 150				Recovery =	57.56%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-41.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:00 pm
 Operator : pest19:aws
 Sample : L2006151-07,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:45:58 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-41.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:00 pm
 Operator : pest19:aws
 Sample : L2006151-07,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:45:58 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

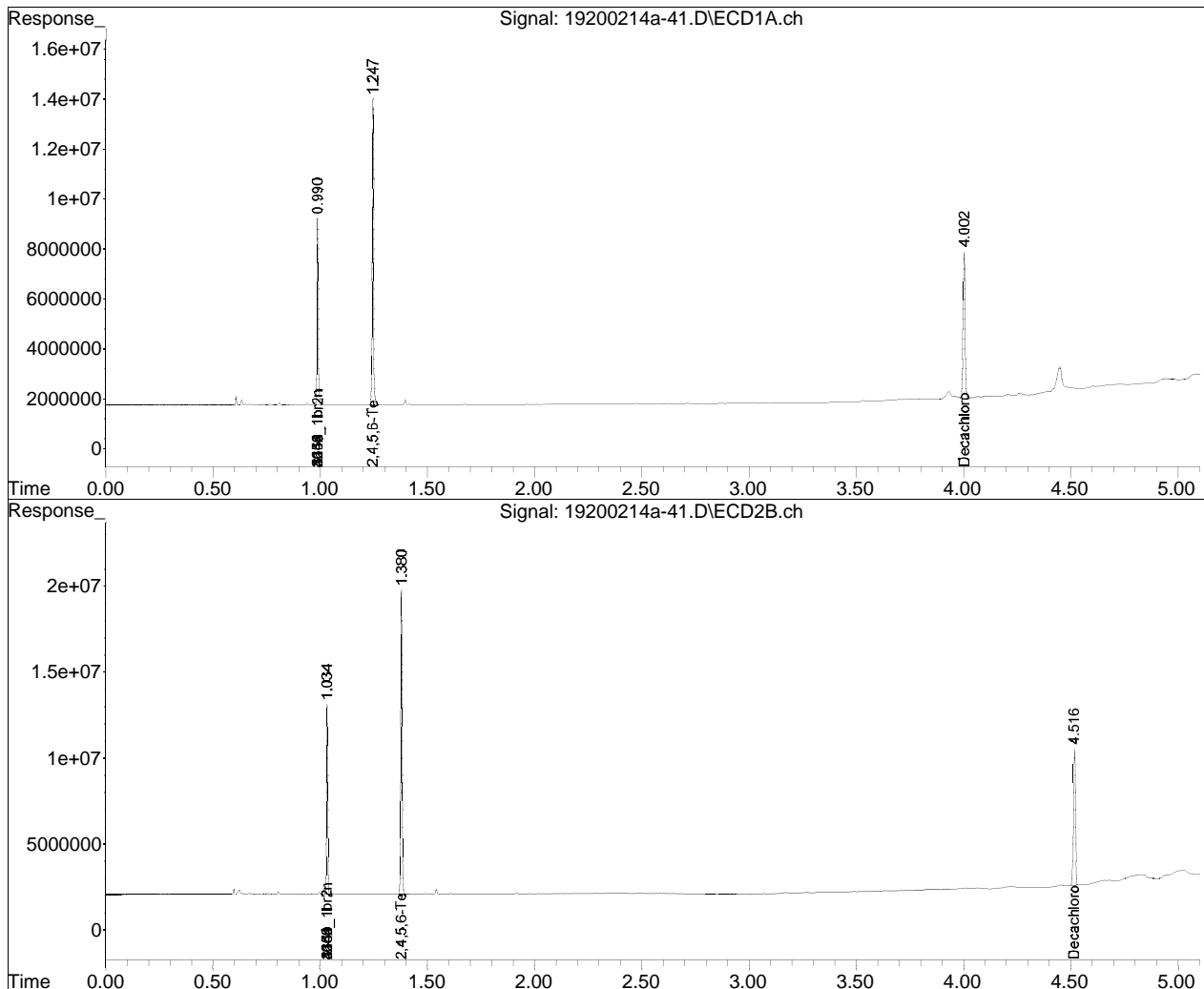
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-41.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 06:00 pm
Operator : pest19:aws
Sample : L2006151-07,42e,,
Misc : wg1340785,wg1340200,ical16321
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 17:45:58 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Mon Feb 17 17:35:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest19\200214a\ Data File	: 19200214a-41.D	QMethod	: P19_pcb_11_20_19_ugL_ICA
Date Inj'd	: 2/14/2020 6:00 pm		Operator	: pest19:aws
Sample	: L2006151-07,42e,,		Instrument	: Pest 19
			Quant Date	: 2/17/2020 5:35 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-42.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:06 pm
 Operator : pest19:aws
 Sample : L2006151-10,42e,,
 Misc : wgl340785,wgl340200,ical16321
 ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:46:43 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.990	1.034	34466346	48262966	250.000	250.000
Standard Area 1 : #1 = 27370756					Recovery =	125.92%
Standard Area 1 : #2 = 38179832					Recovery =	126.41%
14) i 2154_1br2nb	0.990	1.034	34466346	48262966	250.000	250.000
23) i 4268_1br2nb	0.990	1.034	34466346	48262966	250.000	250.000
34) i 1248_1br2nb	0.990	1.034	34466346	48262966	250.000	250.000
40) i 3262_1br2nb	0.990	1.034	34466346	48262966	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.247	1.380	57544816	78714905	319.937	319.327
Spiked Amount 500.000	Range 30 - 150				Recovery =	63.99%
3) s Decachlorobi	4.003	4.516	39402856	51970037	273.106	249.949
Spiked Amount 500.000	Range 30 - 150				Recovery =	54.62%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.568	2.957	1382729	1624924	152.219	125.158
10) l2 1260-2	2.713	3.072	2503731	2665616	183.312	174.968
11) l2 1260-3	3.056	3.489	1204323	1258766	135.498	94.794M3
12) l2 1260-4	3.226	3.631	1900672	2594370	101.699	92.842M4
13) l2 1260-5	3.383	3.842	1937881	2026327	143.498M1	104.386
Sum 1260-1			8929336	10170003	716.225	592.147
Average 1260-1					143.245	118.429

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-42.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:06 pm
 Operator : pest19:aws
 Sample : L2006151-10,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:46:43 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D.
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-42.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:06 pm
 Operator : pest19:aws
 Sample : L2006151-10,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:46:43 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

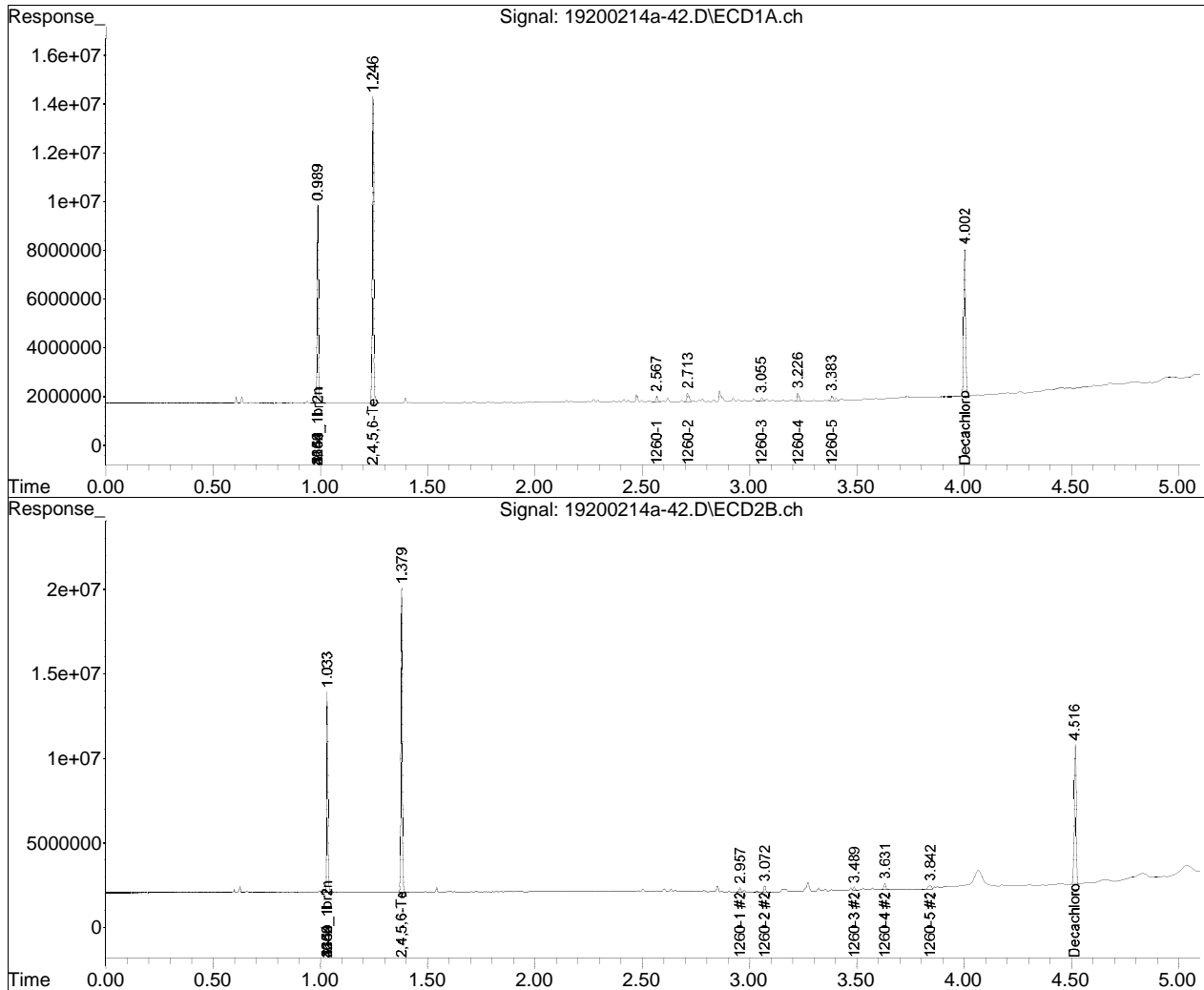
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-42.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 06:06 pm
Operator : pest19:aws
Sample : L2006151-10,42e,,
Misc : wg1340785,wg1340200,ical16321
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 17:46:43 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Mon Feb 17 17:35:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

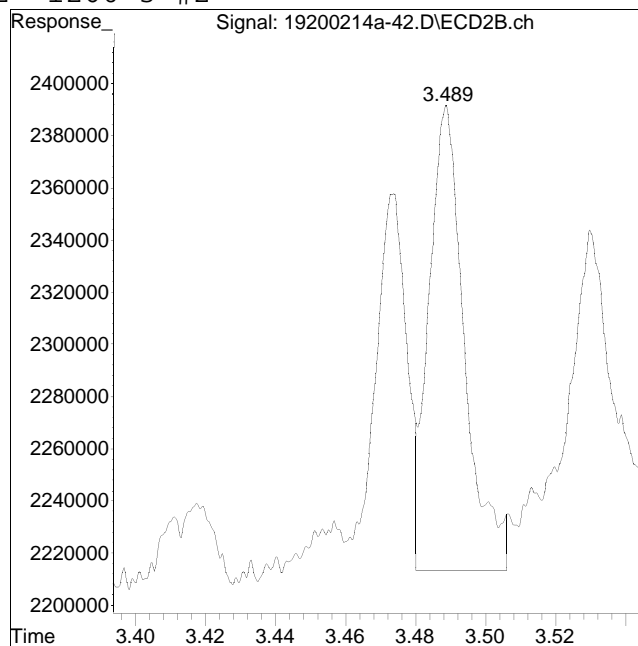
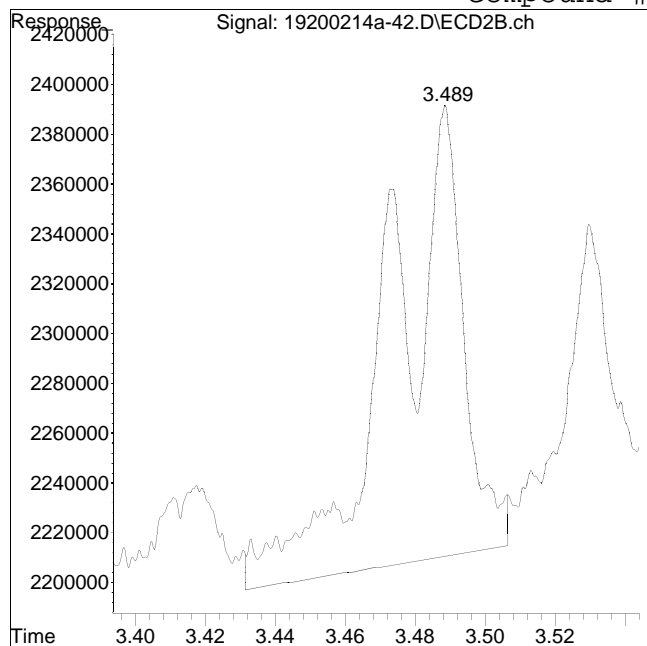


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-42.D
Date Inj'd : 2/14/2020 6:06 pm
Sample : L2006151-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:35 pm

Compound #62: 1260-3 #2



Original Peak Response = 2607020

Manual Peak Response = 1258766 M3

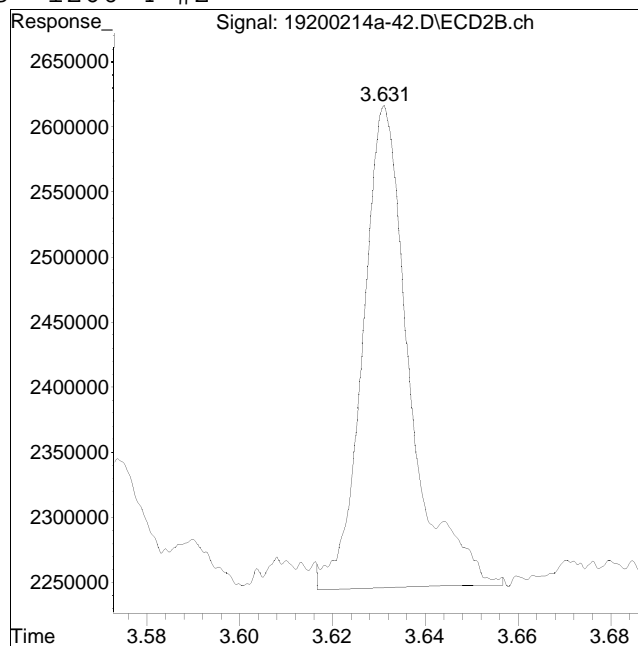
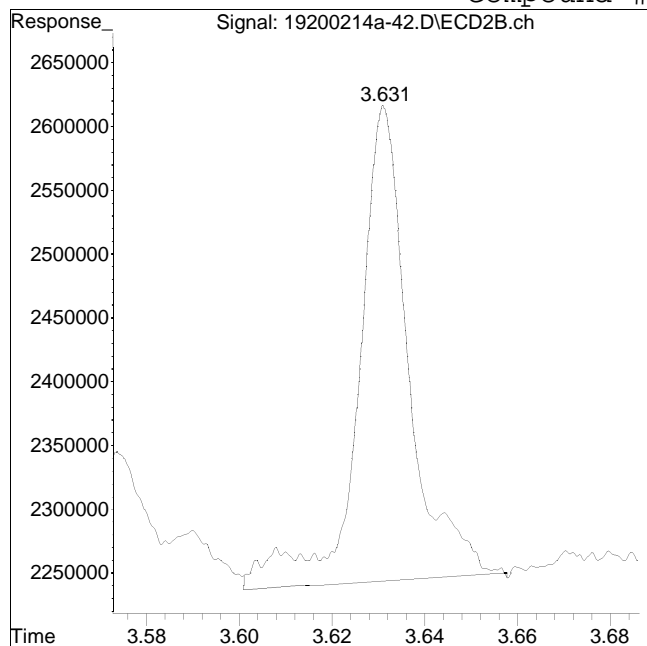
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-42.D
Date Inj'd : 2/14/2020 6:06 pm
Sample : L2006151-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:35 pm

Compound #63: 1260-4 #2



Original Peak Response = 2828787

Manual Peak Response = 2594370 M4

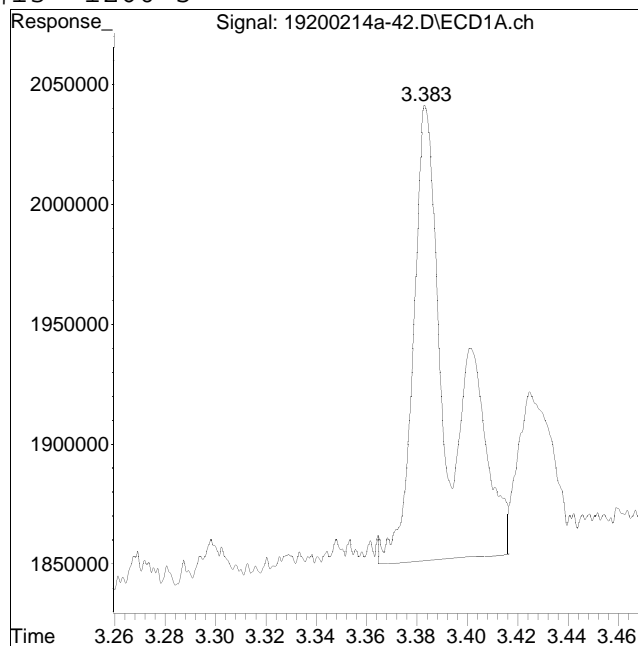
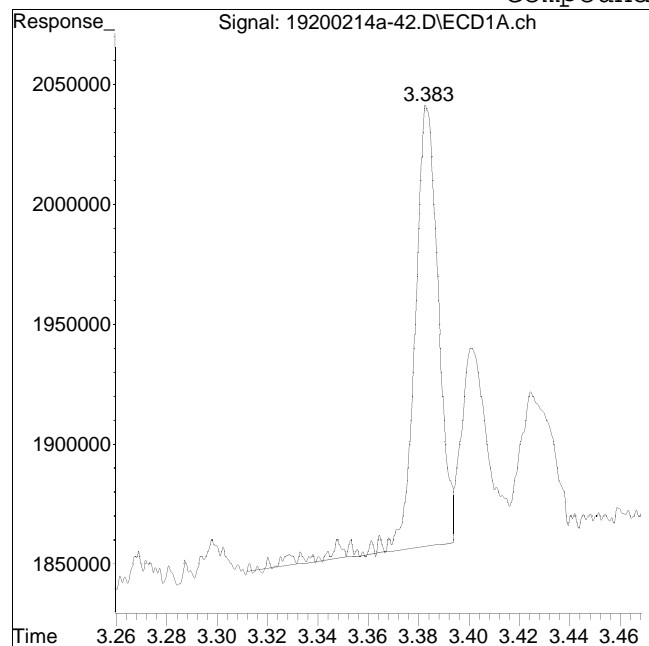
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-42.D
Date Inj'd : 2/14/2020 6:06 pm
Sample : L2006151-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:35 pm

Compound #13: 1260-5



Original Peak Response = 1226473

Manual Peak Response = 1937881 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-43.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:13 pm
 Operator : pest19:aws
 Sample : L2006151-11,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:47:05 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.990	1.034	31986657	44475378	250.000	250.000
Standard Area 1 : #1 = 27370756					Recovery = 116.86%	
Standard Area 1 : #2 = 38179832					Recovery = 116.49%	
14) i 2154_1br2nb	0.990	1.034	31986657	44475378	250.000	250.000
23) i 4268_1br2nb	0.990	1.034	31986657	44475378	250.000	250.000
34) i 1248_1br2nb	0.990	1.034	31986657	44475378	250.000	250.000
40) i 3262_1br2nb	0.990	1.034	31986657	44475378	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.247	1.380	68698435	94268338	411.559	414.991
Spiked Amount 500.000	Range 30 - 150				Recovery = 82.31%	83.00%
3) s Decachlorobi	4.003	4.516	50732488	65187697	378.893	340.219
Spiked Amount 500.000	Range 30 - 150				Recovery = 75.78%	68.04%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-43.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:13 pm
 Operator : pest19:aws
 Sample : L2006151-11,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:47:05 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-43.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:13 pm
 Operator : pest19:aws
 Sample : L2006151-11,42e,,
 Misc : wg1340785,wg1340200,ical16321
 ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:47:05 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 17:35:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

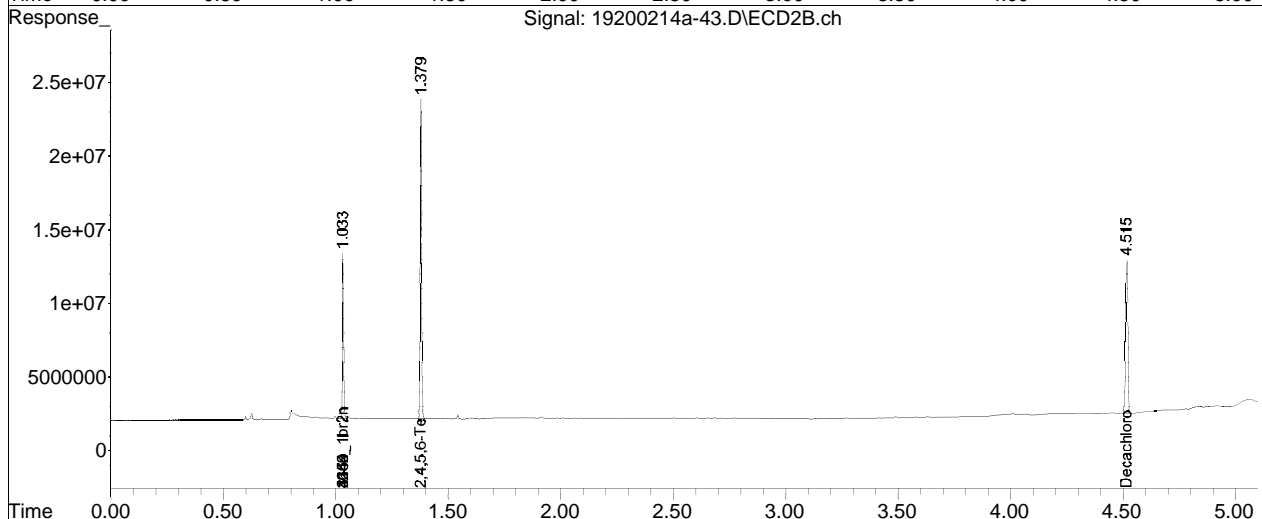
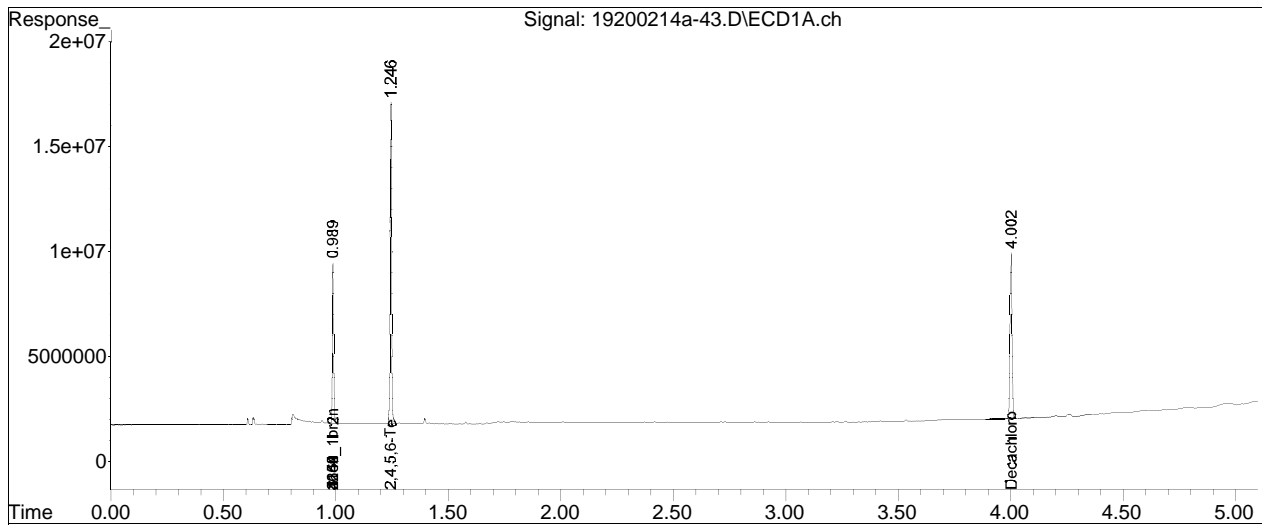
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-43.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 06:13 pm
Operator : pest19:aws
Sample : L2006151-11,42e,,
Misc : wg1340785,wg1340200,ical16321
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 17:47:05 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Mon Feb 17 17:35:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest19\200214a\	QMethod	: P19_pcb_11_20_19_ugL_ICA
Data File	: 19200214a-43.D	Operator	: pest19:aws
Date Inj'd	: 2/14/2020 6:13 pm	Instrument	: Pest 19
Sample	: L2006151-11,42e,,	Quant Date	: 2/17/2020 5:36 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-45.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:27 pm
 Operator : pest19:aws
 Sample : L2006151-13,42e,,
 Misc : wg1340785,wg1340200,ical16321 (Sig #1); wg1340785,wg1340554,ical16321 (Sig #2)
 ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 16:43:36 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.035	33168267	43555772	250.000	250.000
Standard Area 1 : #1 = 28172183					Recovery =	117.73%
Standard Area 1 : #2 = 39177472					Recovery =	111.18%
14) i 2154_1br2nb	0.991	1.035	33168267	43555772	250.000	250.000
23) i 4268_1br2nb	0.991	1.035	33168267	43555772	250.000	250.000
34) i 1248_1br2nb	0.991	1.035	33168267	43555772	250.000	250.000
40) i 3262_1br2nb	0.991	1.035	33168267	43555772	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.247	1.380	59432759	78477950	343.366	352.772
Spiked Amount 500.000	Range 30 - 150				Recovery =	68.67%
70.55%						
3) s Decachlorobi	4.002	4.515	38923454	51090715	280.342	272.276M2
Spiked Amount 500.000	Range 30 - 150				Recovery =	56.07%
54.46%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	3.056	3.488	2752551	3704299	321.808M2	309.106M2
12) l2 1260-4	3.225	3.631	5722261	7749815	318.162M2	307.307M2
13) l2 1260-5	3.384	3.842	4976995	5662976	382.964M1	323.254M2

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-45.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:27 pm
 Operator : pest19:aws
 Sample : L2006151-13,42e,,
 Misc : wg1340785,wg1340200,ical16321 (Sig #1); wg1340785,wg1340554,ical16321 (Sig #2)
 ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 16:43:36 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1			13451806	17117090	1022.933	939.668
Average 1260-1					340.978	313.223
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	2.146	2.503	4498875	7467283	689.203M2	814.698M2
19) 14 1254-2	2.273	0.000	7214043	0	634.537M2	N.D. d
20) 14 1254-3	2.475	2.851	10225964	13031210	919.490	897.558M2
21) 14 1254-4	2.618	2.976	4918927	5504374	563.939M2	518.172M2
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			26857810	26002866	2807.169	2230.427
Average 1254-1					701.792	743.476
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-45.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:27 pm
 Operator : pest19:aws
 Sample : L2006151-13,42e,,
 Misc : wg1340785,wg1340200,ical16321 (Sig #1); wg1340785,wg1340554,ical16321 (Sig #2)
 ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 16:43:36 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-45.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:27 pm
 Operator : pest19:aws
 Sample : L2006151-13,42e,,
 Misc : wg1340785,wg1340200,ical16321 (Sig #1); wg1340785,wg1340554,ical16321 (Sig #2)
 ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 16:43:36 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

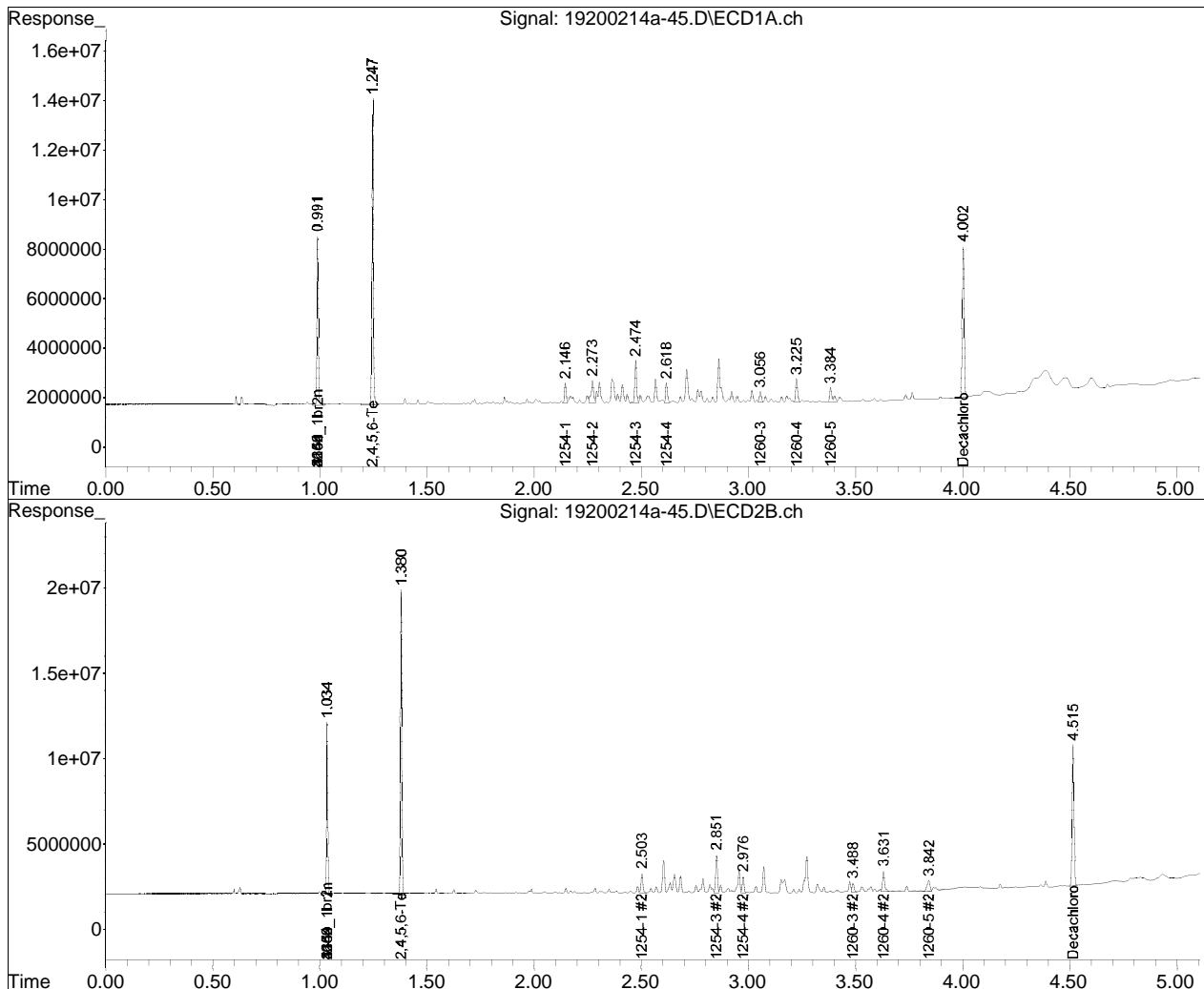
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 06:27 pm
Operator : pest19:aws
Sample : L2006151-13,42e,,
Misc : wg1340785,wg1340200,ical16321 (Sig #1); wg1340785,wg1340554,ical16
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 16:43:36 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sat Feb 01 09:36:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

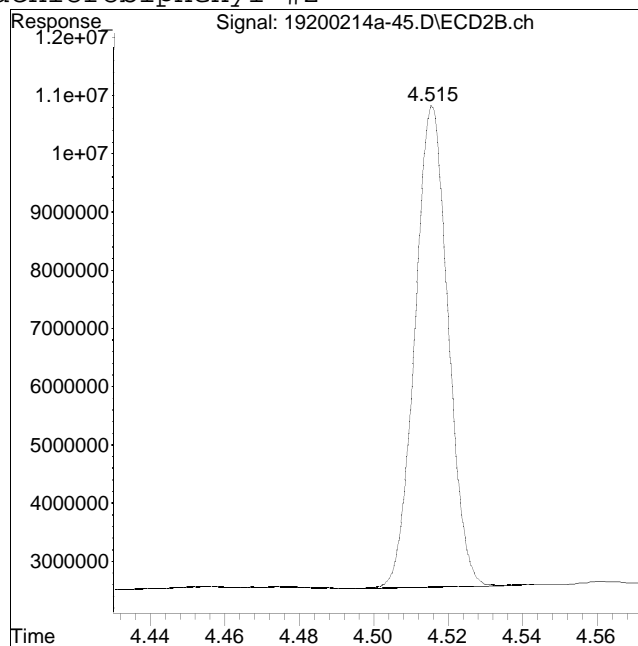
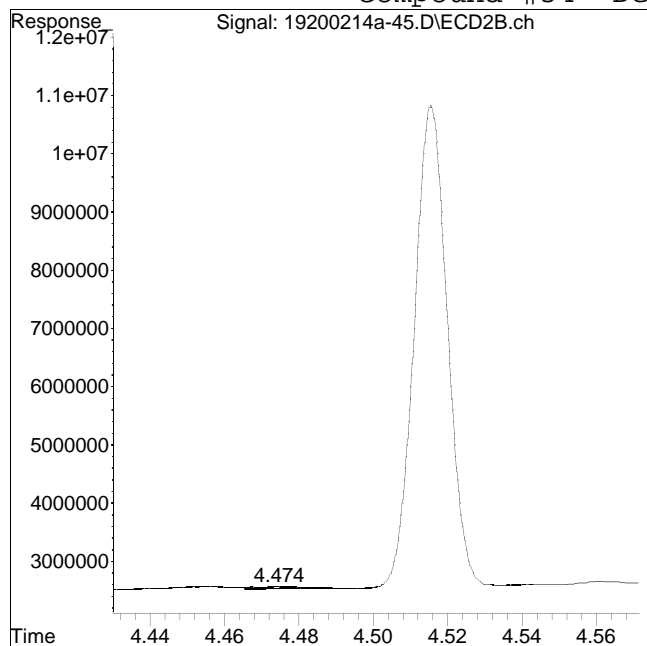


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 346977

Manual Peak Response = 51090715 M2

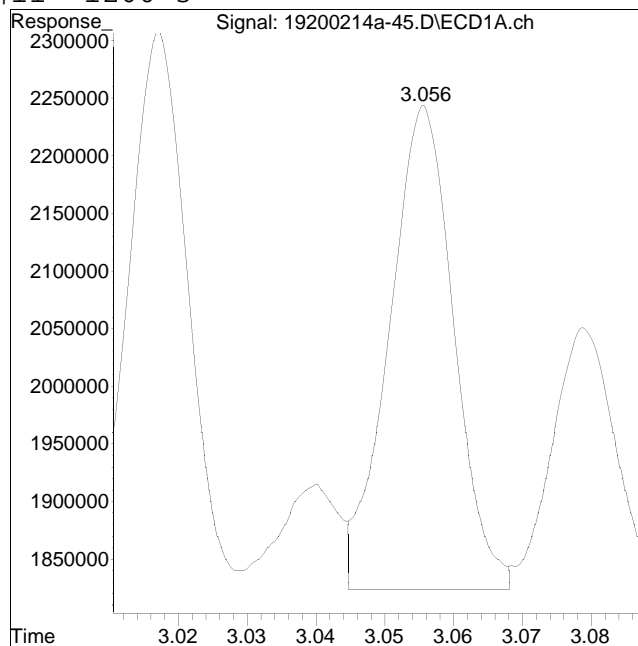
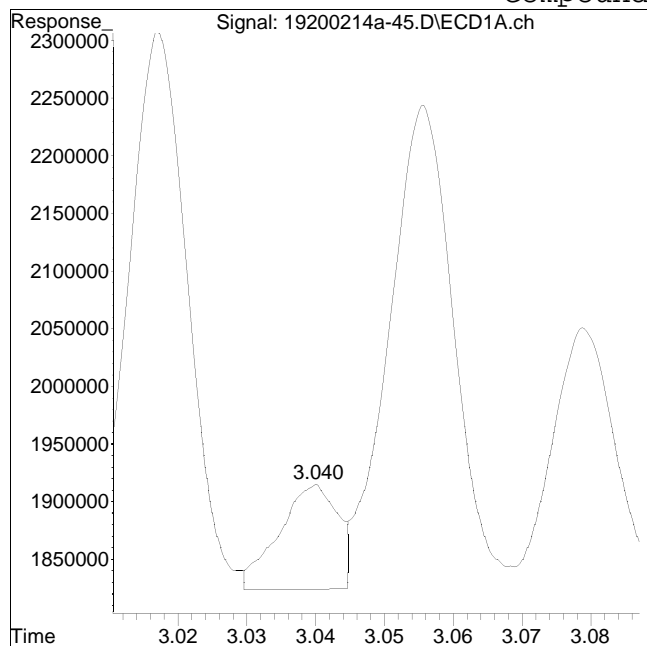
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #11: 1260-3



Original Peak Response = 521800

Manual Peak Response = 2752551 M2

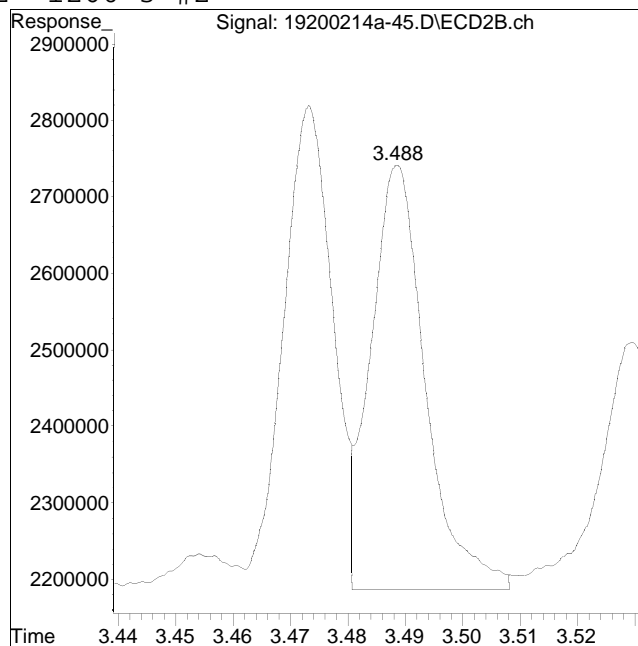
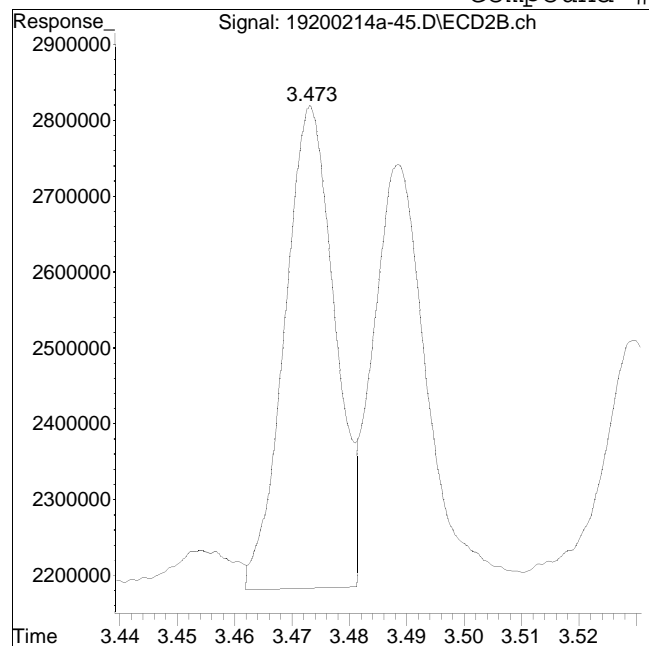
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #62: 1260-3 #2



Original Peak Response = 3837036

Manual Peak Response = 3704299 M2

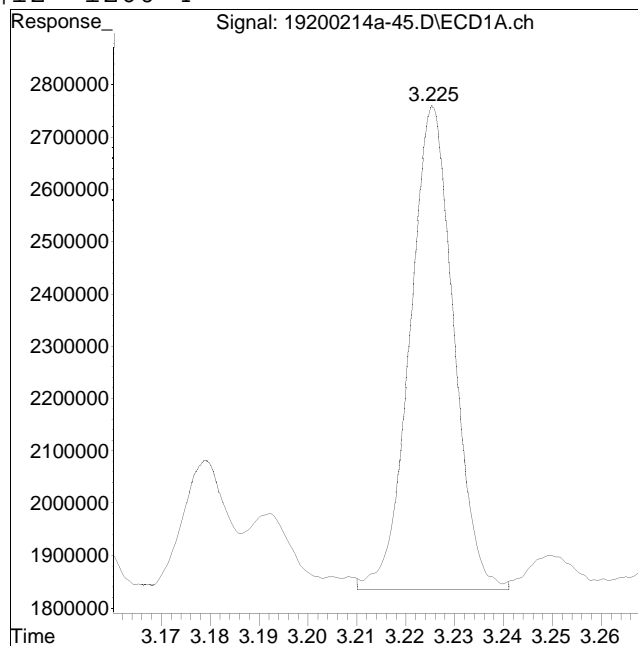
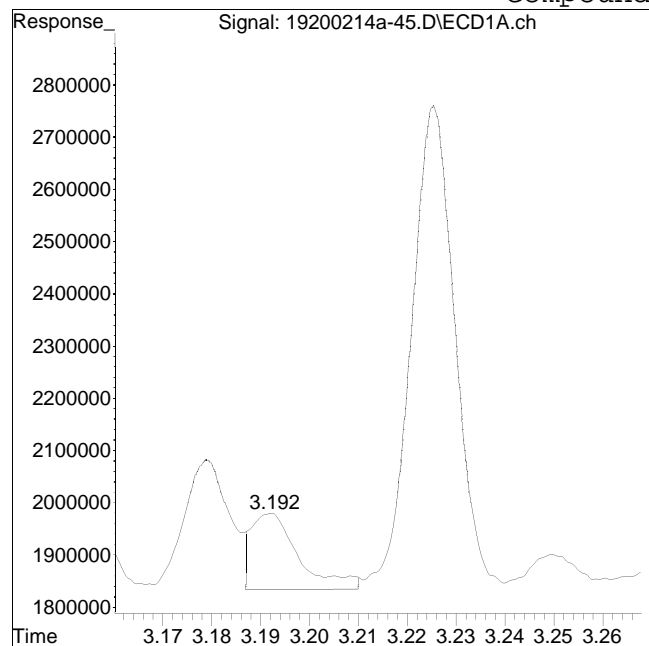
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #12: 1260-4



Original Peak Response = 993446

Manual Peak Response = 5722261 M2

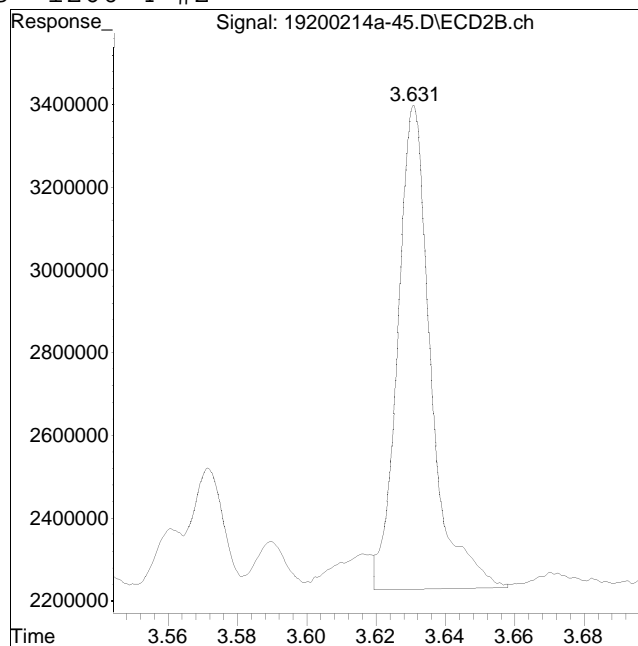
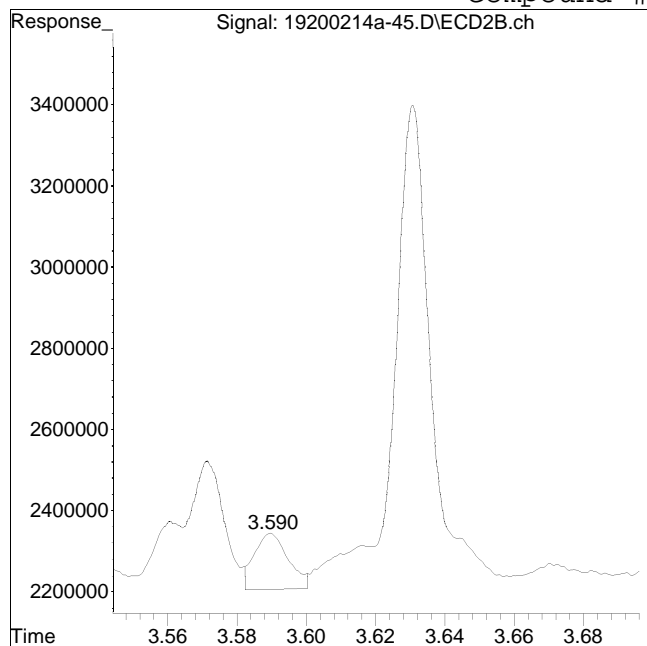
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #63: 1260-4 #2



Original Peak Response = 943323

Manual Peak Response = 7749815 M2

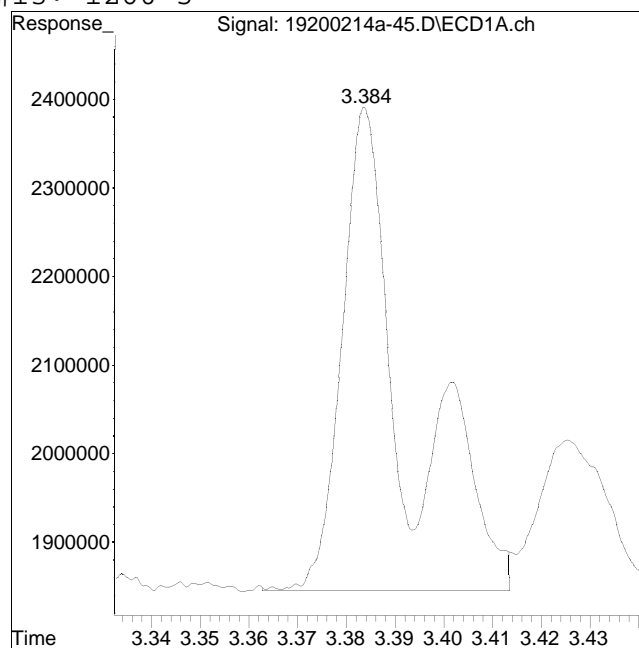
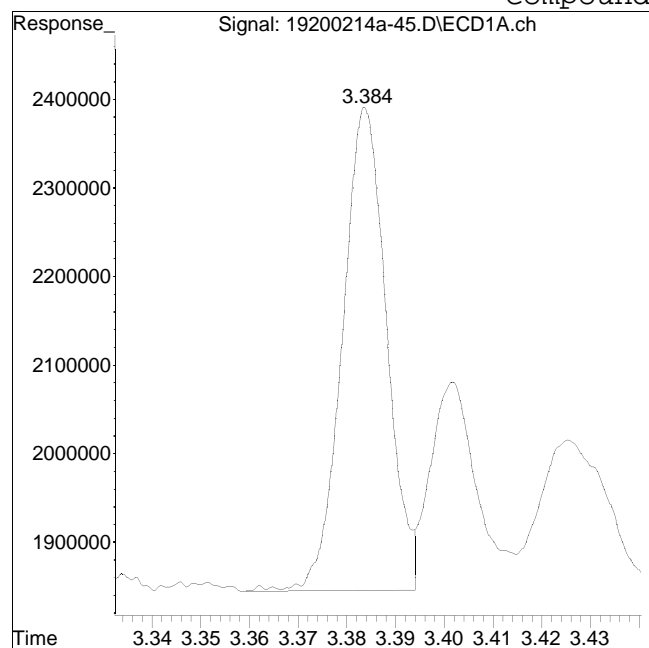
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #13: 1260-5



Original Peak Response = 3417202

Manual Peak Response = 4976995 M1

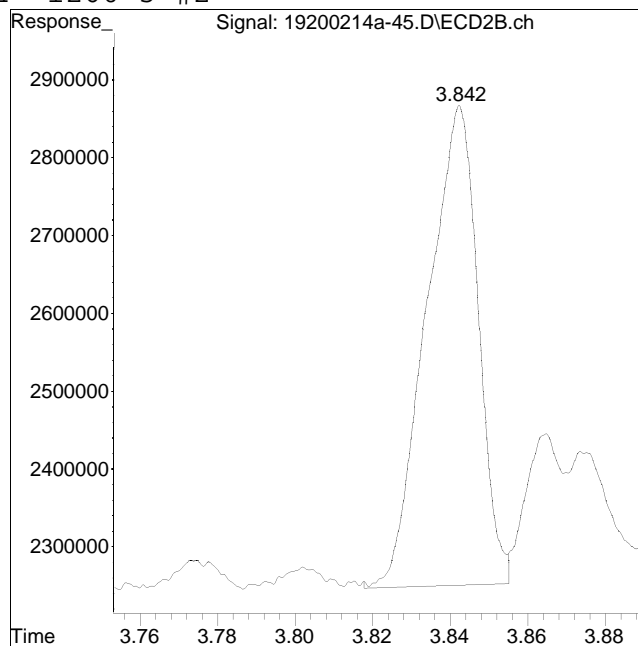
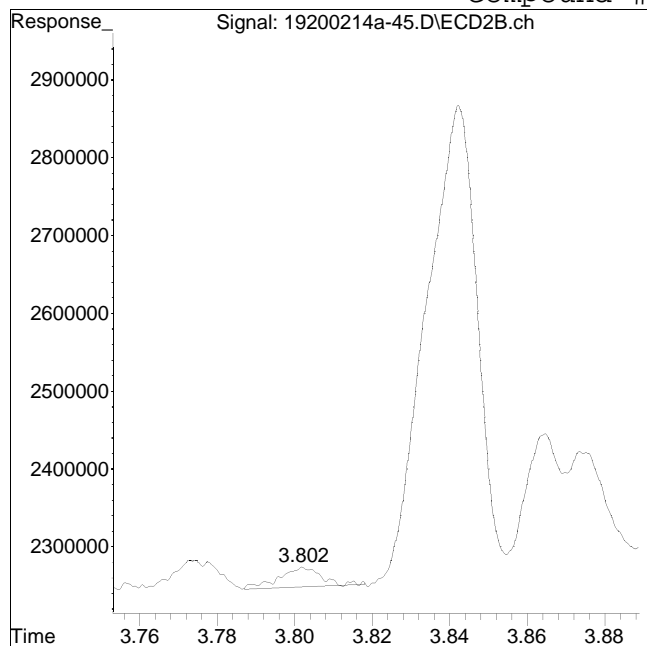
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #64: 1260-5 #2



Original Peak Response = 182074

Manual Peak Response = 5662976 M2

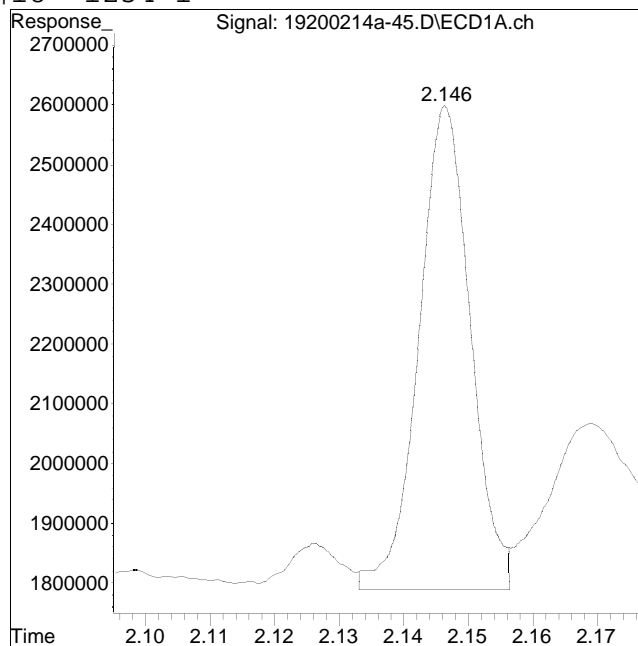
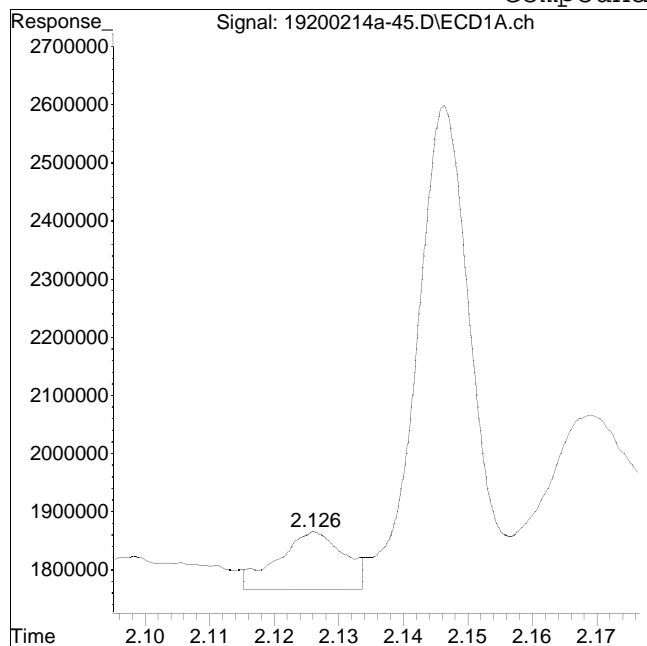
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #18: 1254-1



Original Peak Response = 703253

Manual Peak Response = 4498875 M2

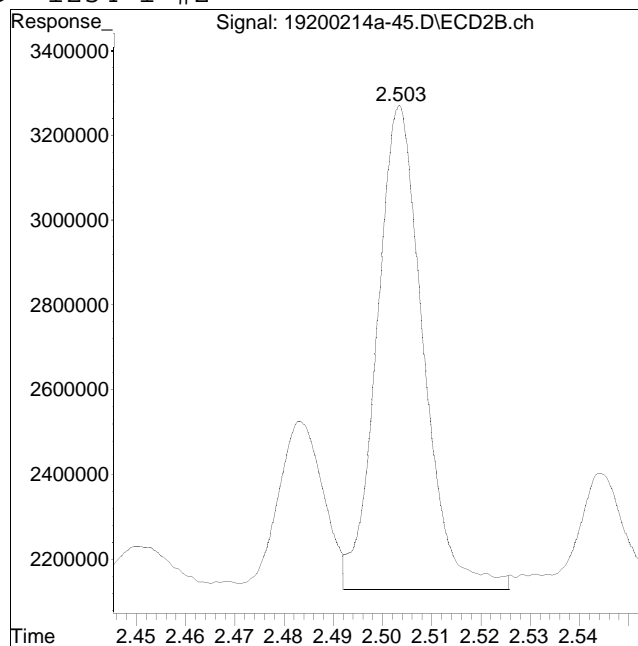
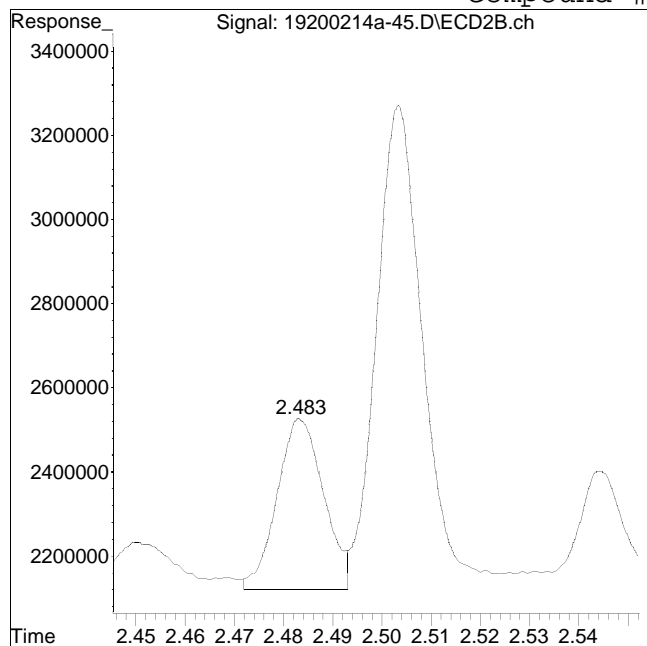
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #69: 1254-1 #2



Original Peak Response = 2651819

Manual Peak Response = 7467283 M2

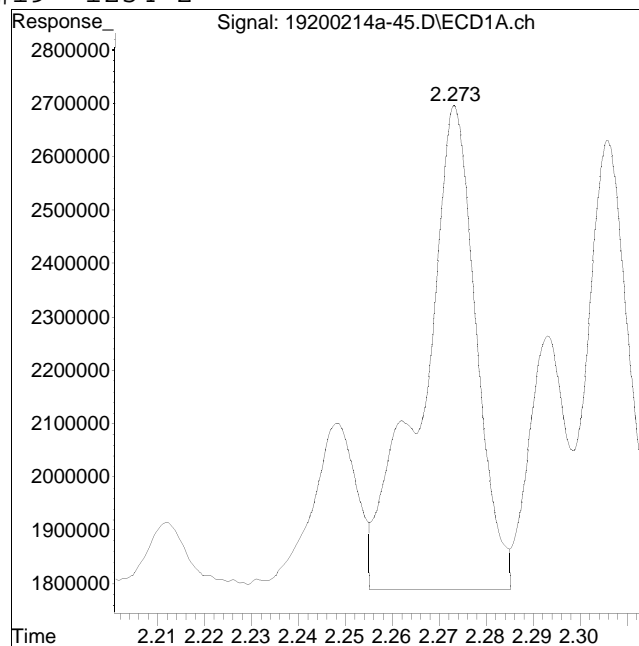
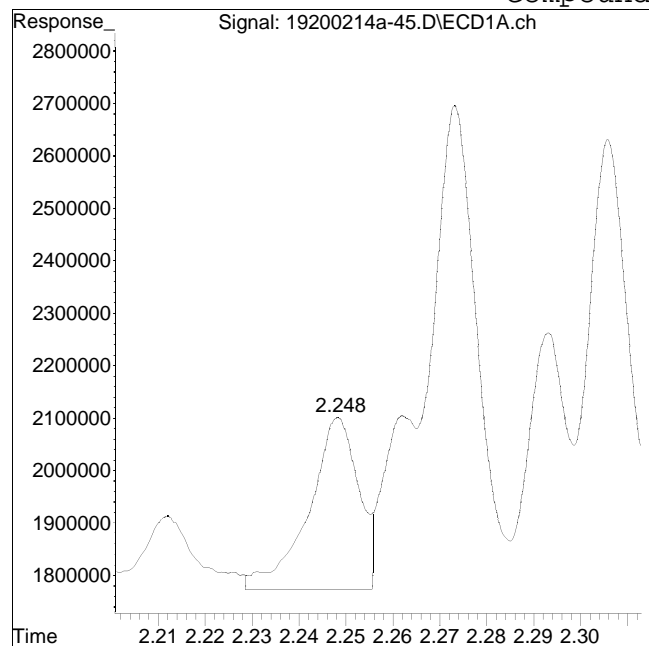
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #19: 1254-2



Original Peak Response = 2379370

Manual Peak Response = 7214043 M2

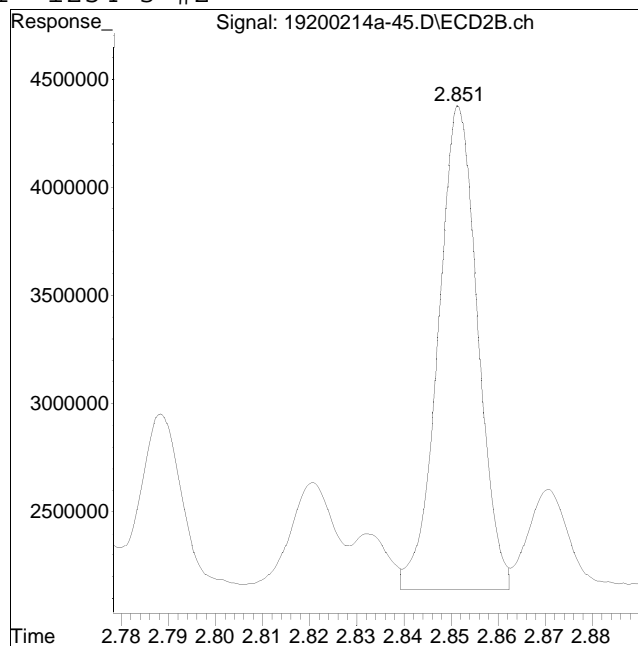
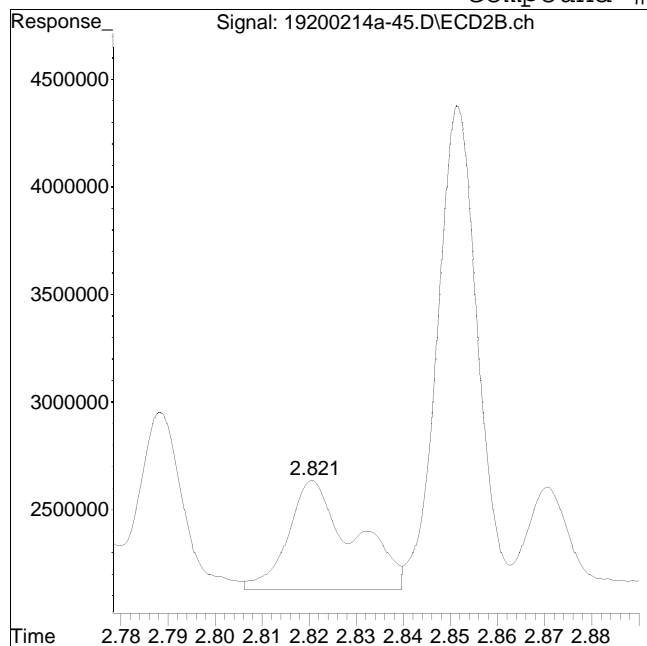
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #71: 1254-3 #2



Original Peak Response = 4898226

Manual Peak Response = 13031210 M2

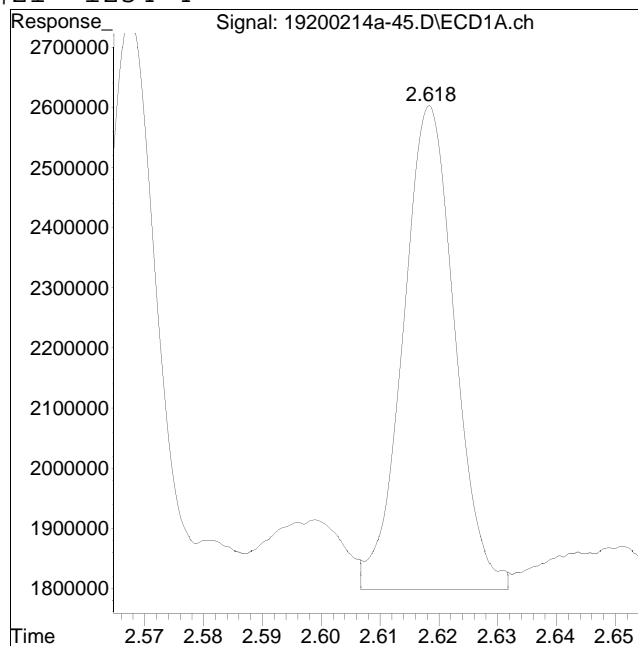
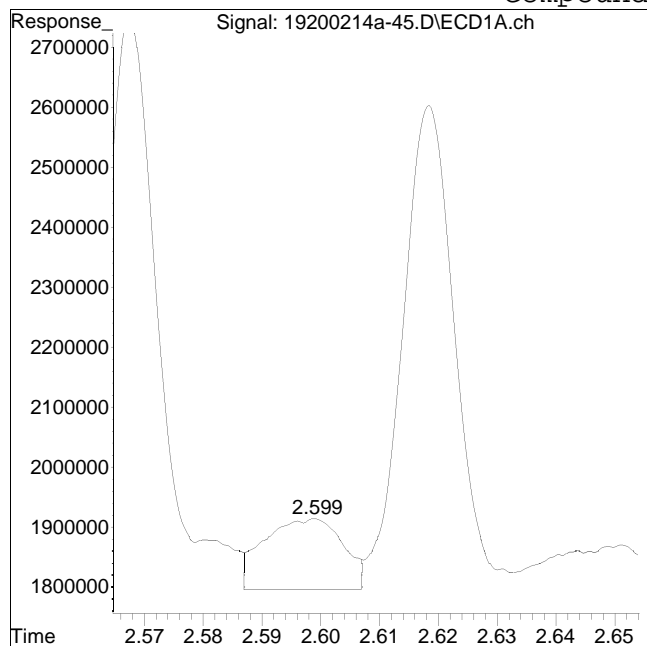
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #21: 1254-4



Original Peak Response = 1093373

Manual Peak Response = 4918927 M2

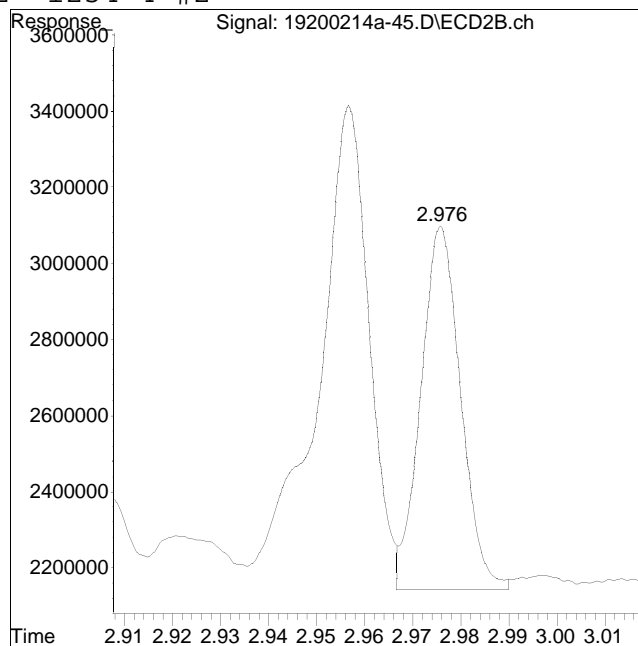
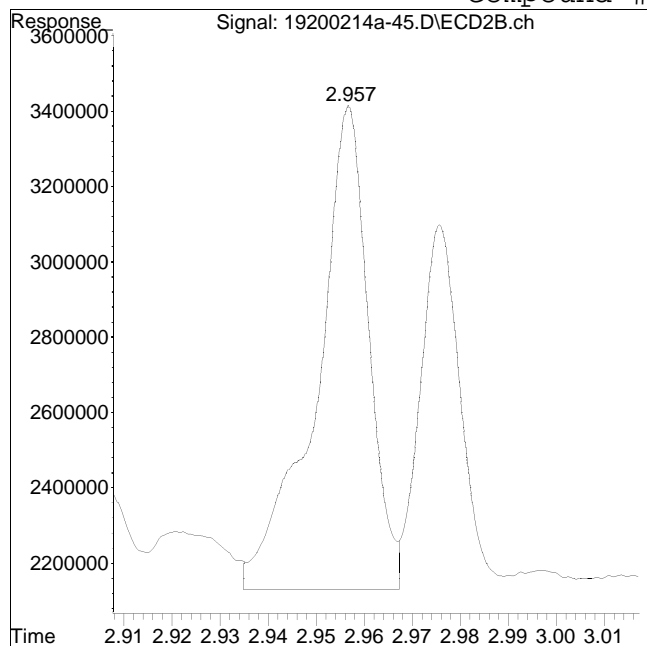
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-45.D
Date Inj'd : 2/14/2020 6:27 pm
Sample : L2006151-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #72: 1254-4 #2



Original Peak Response = 9698394

Manual Peak Response = 5504374 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-46.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:34 pm
 Operator : pest19:aws
 Sample : L2006151-14,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 16:44:06 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.991	1.035	31149345	43419253	250.000	250.000
Standard Area 1 : #1 = 28172183					Recovery =	110.57%
Standard Area 1 : #2 = 39177472					Recovery =	110.83%
14) i 2154_1br2nb	0.991	1.035	31149345	43419253	250.000	250.000
23) i 4268_1br2nb	0.991	1.035	31149345	43419253	250.000	250.000
34) i 1248_1br2nb	0.991	1.035	31149345	43419253	250.000	250.000
40) i 3262_1br2nb	0.991	1.035	31149345	43419253	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.247	1.380	60216384	82512950	370.441	372.076
Spiked Amount 500.000	Range 30 - 150				Recovery =	74.09%
74.42%						
3) s Decachlorobi	4.003	4.515	41597587	54781988	319.020	292.866M2
Spiked Amount 500.000	Range 30 - 150				Recovery =	63.80%
58.57%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-46.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:34 pm
 Operator : pest19:aws
 Sample : L2006151-14,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 16:44:06 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-46.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 06:34 pm
 Operator : pest19:aws
 Sample : L2006151-14,42e,,
 Misc : wgl1340785,wgl1340200,ical16321
 ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 16:44:06 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

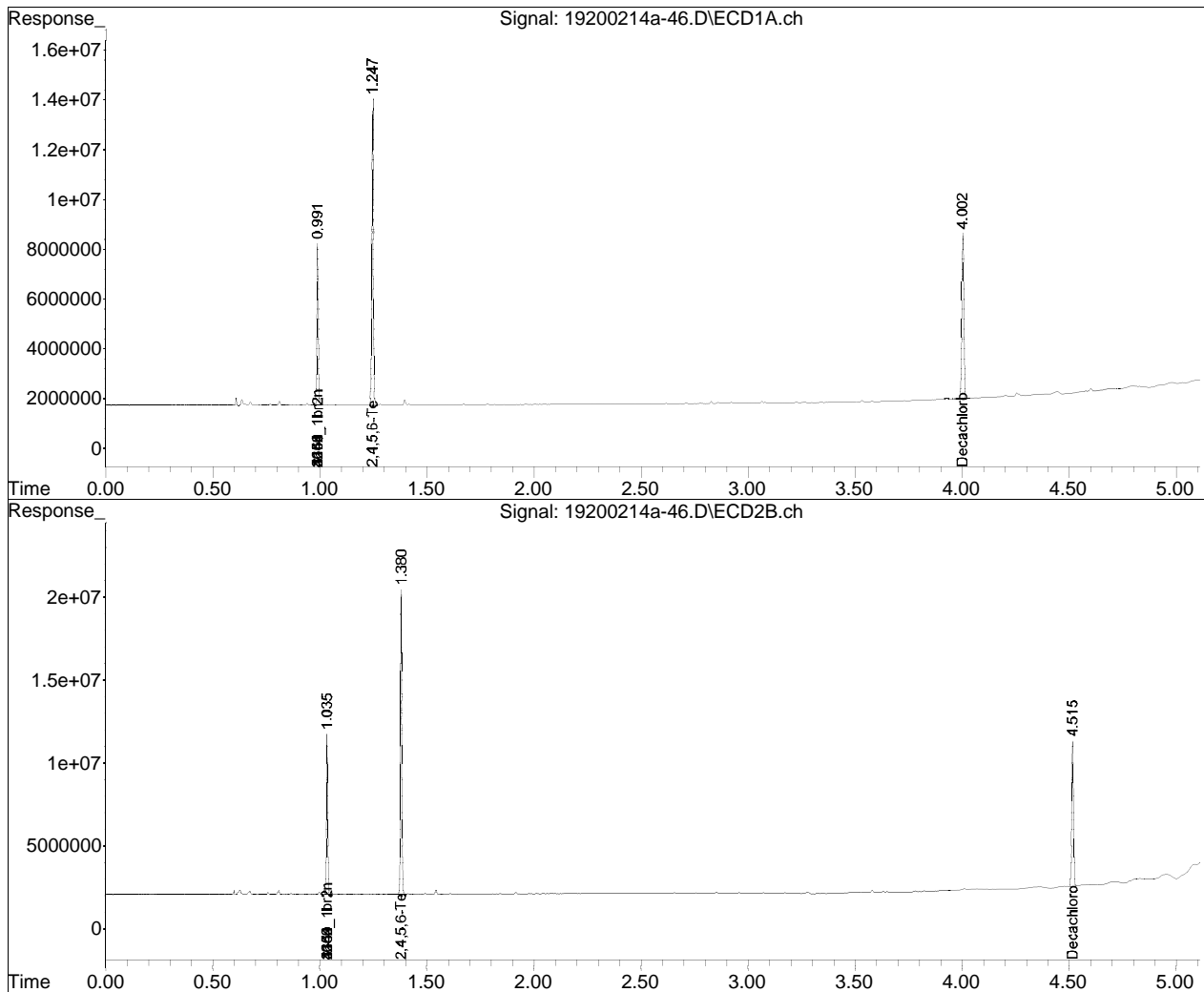
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-46.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 06:34 pm
Operator : pest19:aws
Sample : L2006151-14,42e,,
Misc : wg1340785,wg1340200,ical16321
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 16:44:06 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sat Feb 01 09:36:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

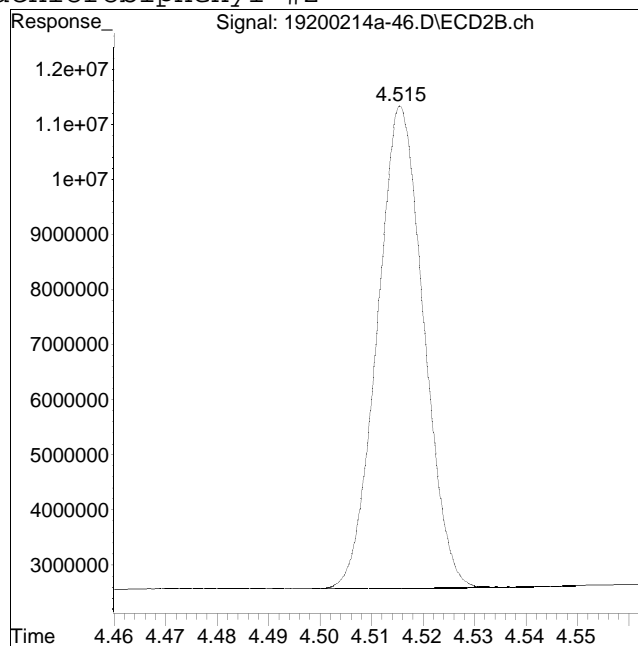
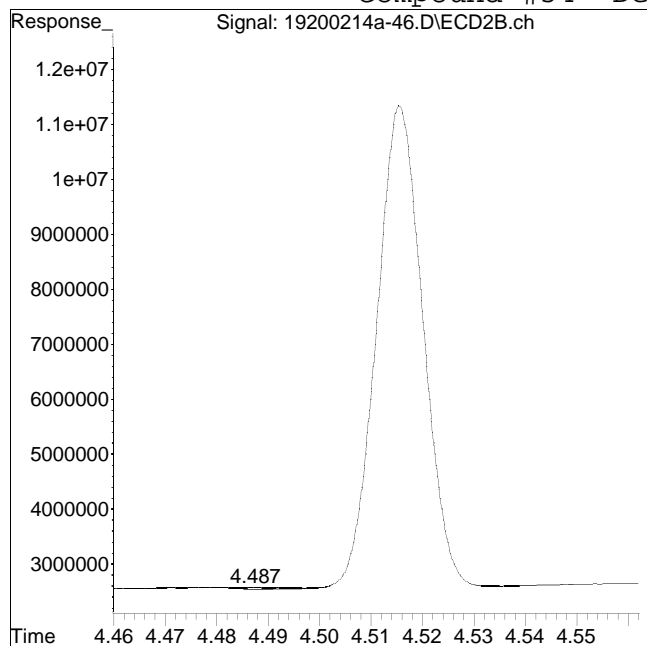


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-46.D
Date Inj'd : 2/14/2020 6:34 pm
Sample : L2006151-14,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 4:40 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 214247

Manual Peak Response = 54781988 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-66.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 10:40 pm
 Operator : pest19:aws
 Sample : L2006151-16,42e,,
 Misc : wg1340785,wg1340200,ical16321 (Sig #1); wg1340785,wg1340513,ical16321 (Sig #2)
 ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:11:11 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 16:49:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-65.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.990	1.034	32176429	45019444	250.000	250.000
Standard Area 1 : #1 = 28665053					Recovery =	112.25%
Standard Area 1 : #2 = 40103853					Recovery =	112.26%
14) i 2154_1br2nb	0.990	1.034	32176429	45019444	250.000	250.000
23) i 4268_1br2nb	0.990	1.034	32176429	45019444	250.000	250.000
34) i 1248_1br2nb	0.990	1.034	32176429	45019444	250.000	250.000
40) i 3262_1br2nb	0.990	1.034	32176429	45019444	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.246	1.379	59607074	81543869	354.988	354.636
Spiked Amount 500.000	Range 30 - 150				Recovery =	71.00%
3) s Decachlorobi	4.000	4.514	42640686	59500142	316.581M4	306.783
Spiked Amount 500.000	Range 30 - 150				Recovery =	63.32%
61.36%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-66.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 10:40 pm
 Operator : pest19:aws
 Sample : L2006151-16,42e,,
 Misc : wg1340785,wg1340200,ical16321 (Sig #1); wg1340785,wg1340513,ical16321 (Sig #2)
 ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:11:11 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 16:49:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-65.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-66.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 10:40 pm
 Operator : pest19:aws
 Sample : L2006151-16,42e,,
 Misc : wg1340785,wg1340200,ical16321 (Sig #1); wg1340785,wg1340513,ical16321 (Sig #2)
 ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:11:11 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 16:49:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-65.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-66.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 10:40 pm
 Operator : pest19:aws
 Sample : L2006151-16,42e,,
 Misc : wg1340785,wg1340200,ical16321 (Sig #1); wg1340785,wg1340513,ical16
 321 (Sig #2)
 ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:11:11 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 16:49:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-65.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

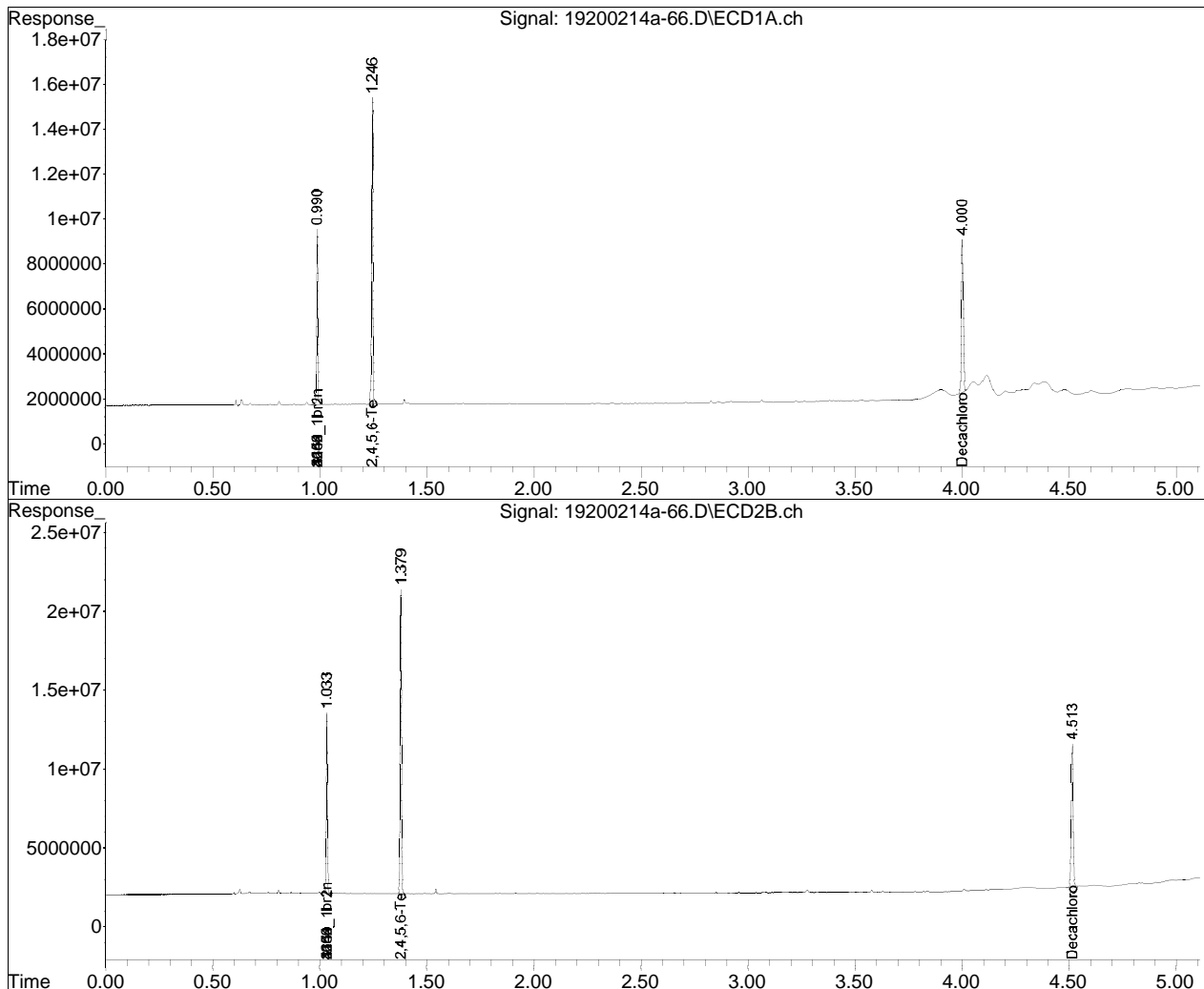
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-65.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-66.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 10:40 pm
Operator : pest19:aws
Sample : L2006151-16,42e,,
Misc : wg1340785,wg1340200,ical16321 (Sig #1); wg1340785,wg1340513,ical16
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 17:11:11 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Mon Feb 17 16:49:53 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

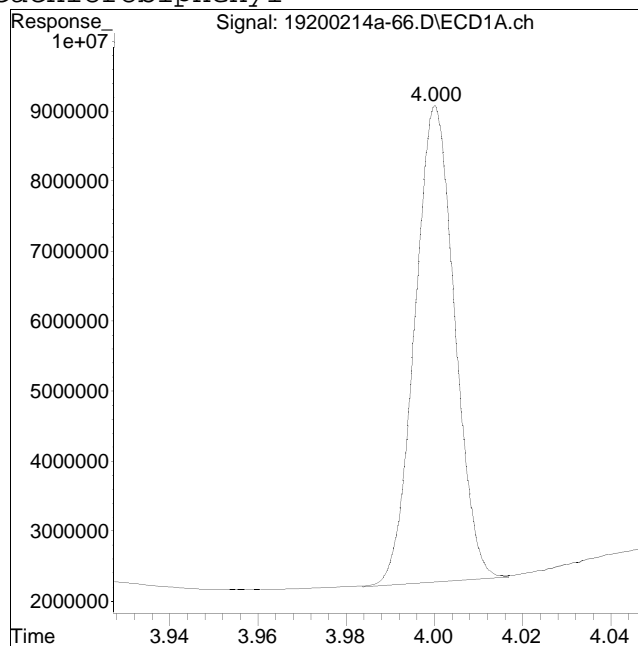
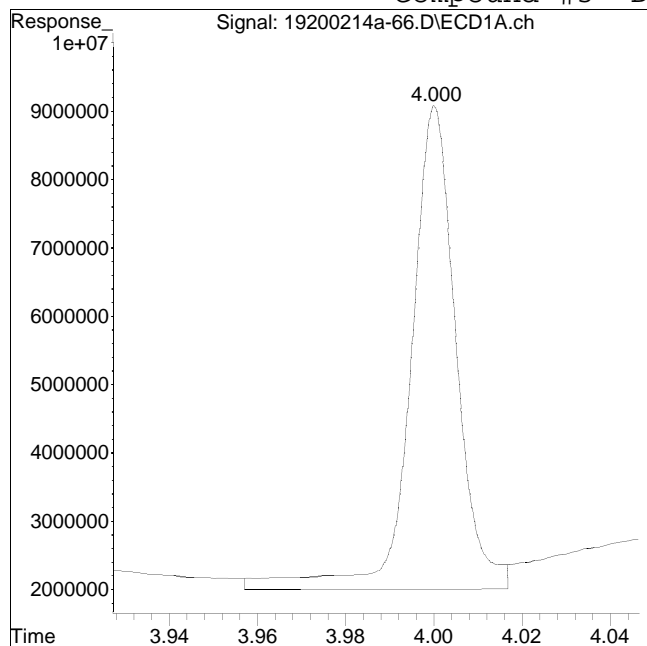


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-66.D
Date Inj'd : 2/14/2020 10:40 pm
Sample : L2006151-16,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:06 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 50803000

Manual Peak Response = 42640686 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200213A\
 Data File : P2200213a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 1:52 pm
 Operator : pest2:aws
 Sample : L2006151-17,42e,,
 Misc : wgl1340357,wgl1340209,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 14:17:13 2020
 Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200213A\P2200213a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.082	2.270	105.7E6	76024339	25.000	25.000
Standard Area 1 : #1 = 85294184				Recovery =		123.97%
Standard Area 1 : #2 = 60865345				Recovery =		124.91%
14) i 2154_1br2nb	2.082	2.270	105.7E6	76024339	25.000	25.000
23) i 4268_1br2nb	2.082	2.270	105.7E6	76024339	25.000	25.000
34) i 1248_1br2nb	2.082	2.270	105.7E6	76024339	25.000	25.000
40) i 3262_1br2nb	2.082	2.270	105.7E6	76024339	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.561	2.911	58827352	44097375	13.559	13.766
Spiked Amount 20.000	Range 30 - 150		Recovery =		67.79%	68.83%
3) s Decachlorobi	6.561	7.252f	52887772	37763173	12.698	15.080
Spiked Amount 20.000	Range 30 - 150		Recovery =		63.49%	75.40%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200213A\
 Data File : P2200213a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 1:52 pm
 Operator : pest2:aws
 Sample : L2006151-17,42e,,
 Misc : wgl1340357,wgl1340209,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 14:17:13 2020
 Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200213A\P2200213a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-3	0.000	0.000	0	0	N.D.	N.D.
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D.	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D.
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D.	N.D.
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D.
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	3.376f	3.988f	1915337	1332025	22.787M2	20.209
36) 17	1248-2	3.637f	4.275f	2286522	1921092	19.186M4	22.492M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200213A\
 Data File : P2200213a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 1:52 pm
 Operator : pest2:aws
 Sample : L2006151-17,42e,,
 Misc : wg1340357,wg1340209,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 14:17:13 2020
 Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200213A\P2200213a-02.d
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	3.821f	4.499f	2426734	1983211	16.346	19.207
38)	17 1248-4	4.159f	4.792f	3965147	3067222	25.413M4	26.686
39)	17 1248-5	4.182f	4.831f	3344886	2902910	23.283M2	21.944
	Sum 1248-1			13938627	11206460	107.015	110.537
	Average 1248-1					21.403	22.107
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D.
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200213A\
 Data File : P2200213a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 1:52 pm
 Operator : pest2:aws
 Sample : L2006151-17,42e,,
 Misc : wg1340357,wg1340209,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 14:17:13 2020
 Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200213A\P2200213a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

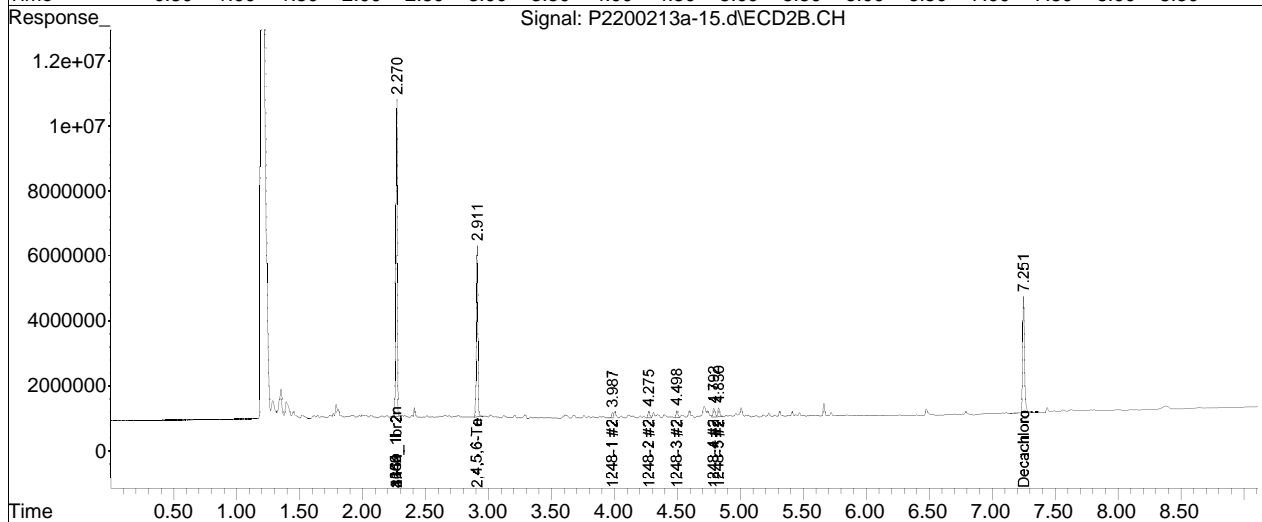
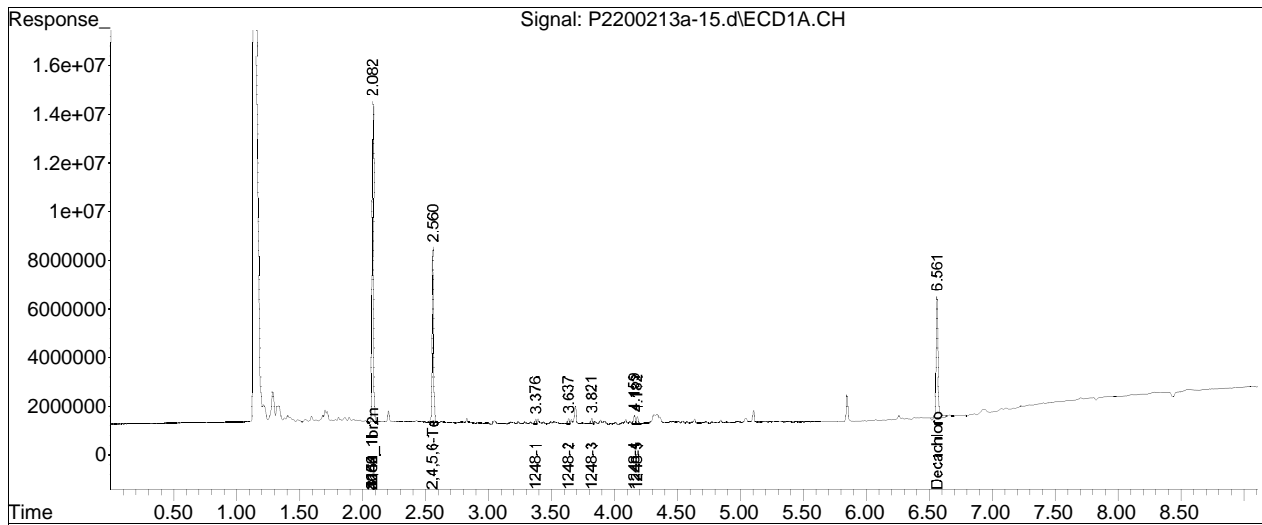
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200213A\
Data File : P2200213a-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Feb 2020 1:52 pm
Operator : pest2:aws
Sample : L2006151-17,42e,,
Misc : wg1340357,wg1340209,ical16010
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 14:17:13 2020
Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Mon Feb 03 12:53:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

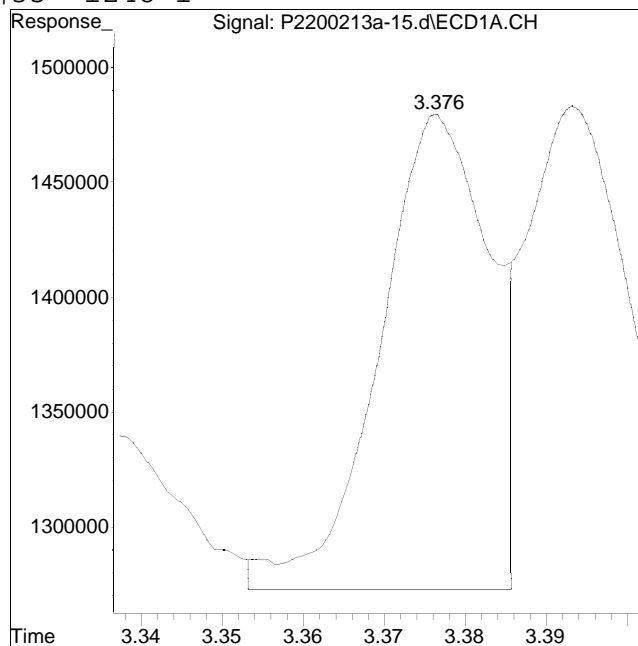
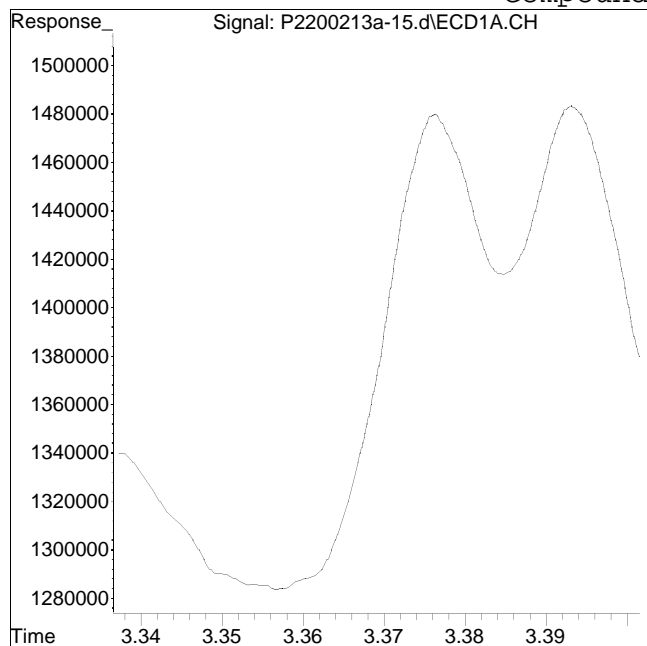


Manual Integration Report

Data Path : I:\Pest2\200213A\
Data File : P2200213a-15.d
Date Inj'd : 2/13/2020 1:52 pm
Sample : L2006151-17,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/13/2020 2:16 pm

Compound #35: 1248-1



Original Peak Response = 0

Manual Peak Response = 1915337 M2

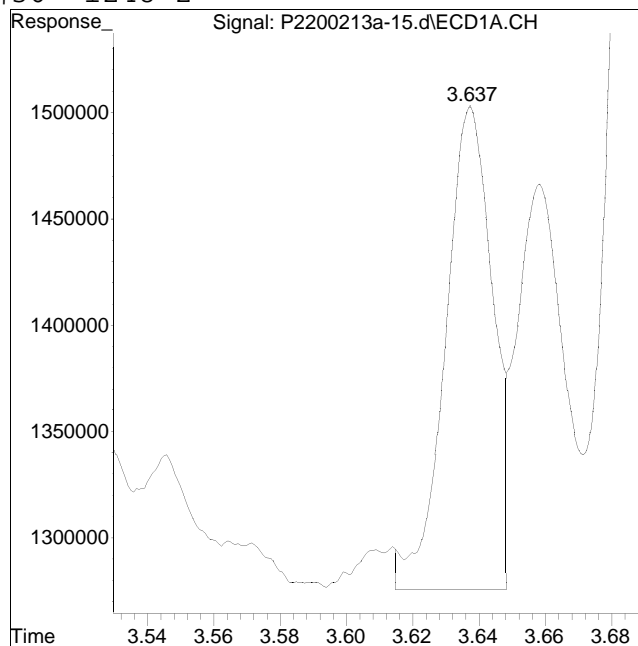
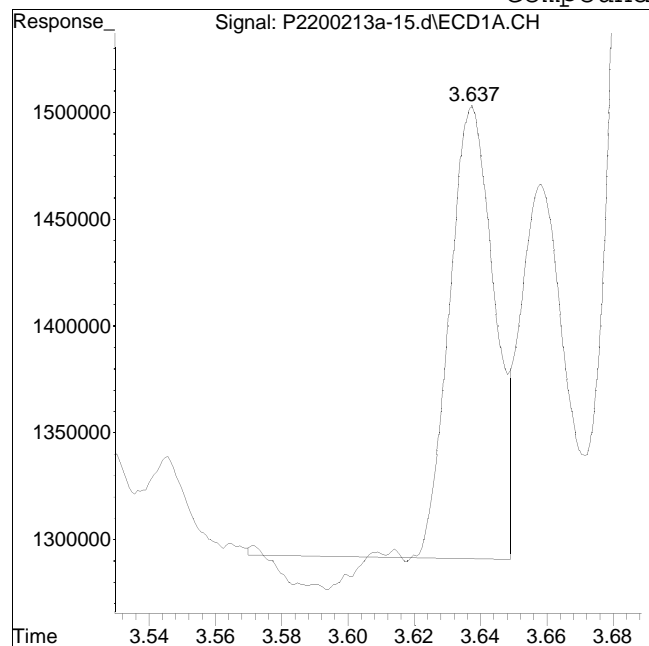
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest2\200213A\
Data File : P2200213a-15.d
Date Inj'd : 2/13/2020 1:52 pm
Sample : L2006151-17,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/13/2020 2:16 pm

Compound #36: 1248-2



Original Peak Response = 1809425

Manual Peak Response = 2286522 M4

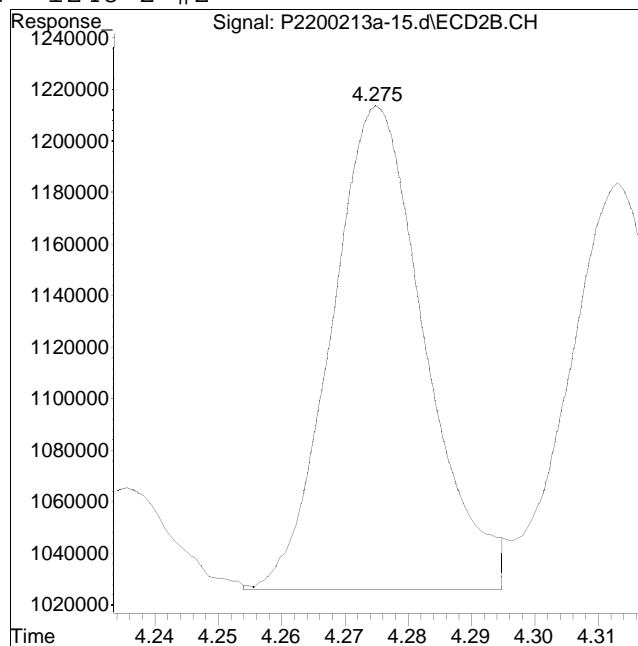
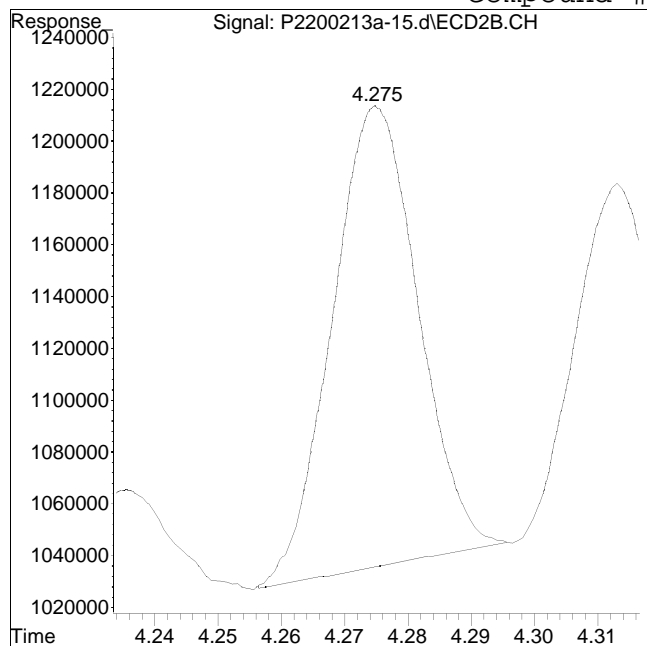
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200213A\
Data File : P2200213a-15.d
Date Inj'd : 2/13/2020 1:52 pm
Sample : L2006151-17,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/13/2020 2:16 pm

Compound #87: 1248-2 #2



Original Peak Response = 1670648

Manual Peak Response = 1921092 M4

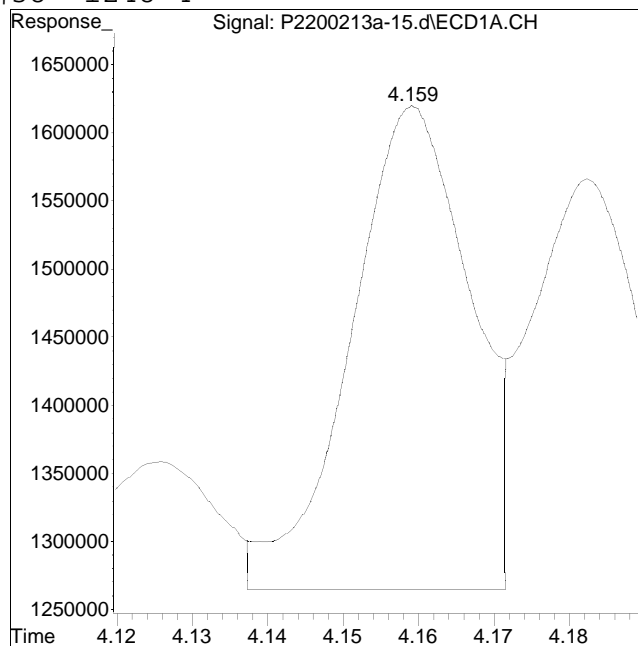
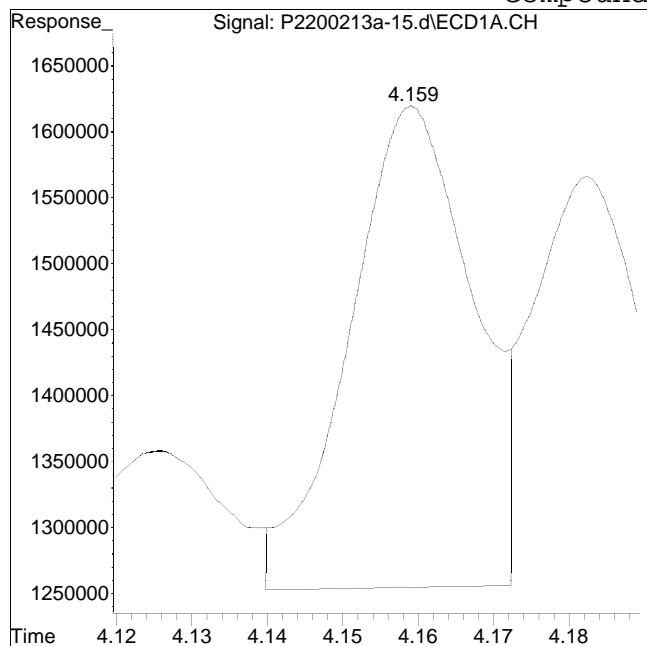
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200213A\
Data File : P2200213a-15.d
Date Inj'd : 2/13/2020 1:52 pm
Sample : L2006151-17,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/13/2020 2:16 pm

Compound #38: 1248-4



Original Peak Response = 4065007

Manual Peak Response = 3965147 M4

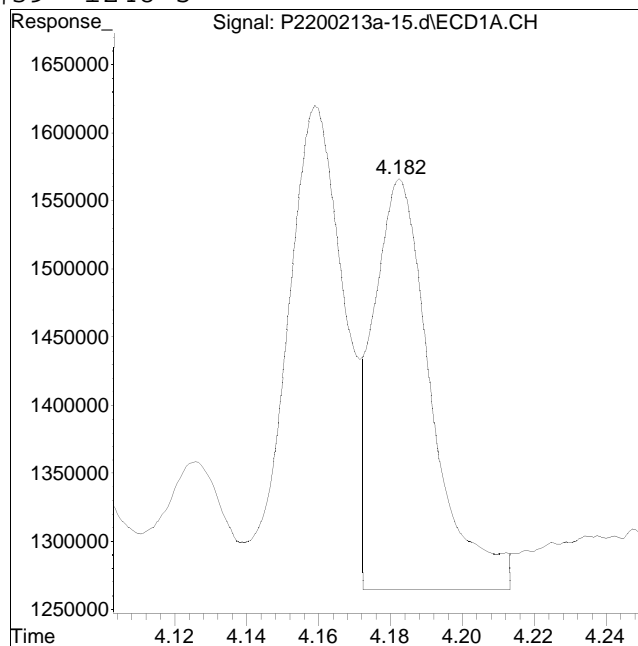
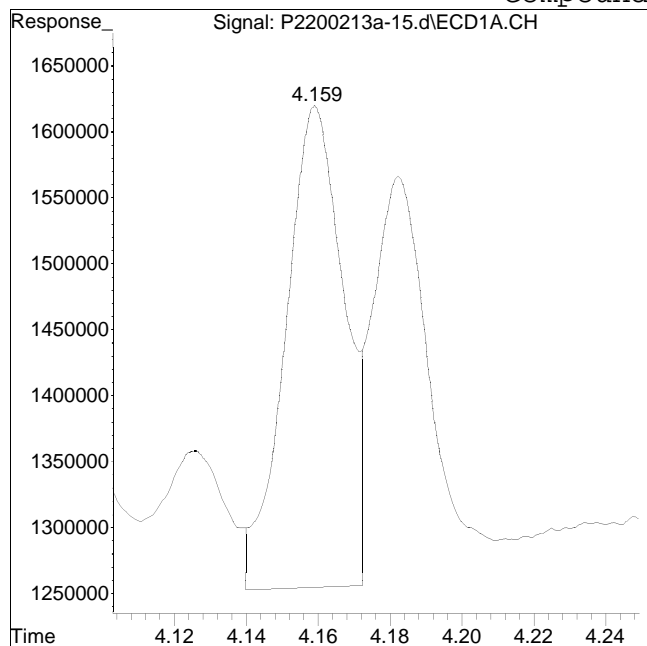
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200213A\
Data File : P2200213a-15.d
Date Inj'd : 2/13/2020 1:52 pm
Sample : L2006151-17,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/13/2020 2:16 pm

Compound #39: 1248-5



Original Peak Response = 4065007

Manual Peak Response = 3344886 M2

M2 = Peak not found by automatic integration algorithm.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:23 am
 Operator : pest19:aws
 Sample : wg1340606-1,42e,,
 Misc : wg1340785,wg1340606,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 14:56:22 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.034	31553392	43446605	250.000	250.000
Standard Area 1 : #1 = 26726149					Recovery =	118.06%
Standard Area 1 : #2 = 36522977					Recovery =	118.96%
14) i 2154_1br2nb	0.991	1.034	31553392	43446605	250.000	250.000
23) i 4268_1br2nb	0.991	1.034	31553392	43446605	250.000	250.000
34) i 1248_1br2nb	0.991	1.034	31553392	43446605	250.000	250.000
40) i 3262_1br2nb	0.991	1.034	31553392	43446605	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.380	40124900	54318057	243.681	244.783
Spiked Amount 500.000	Range 30 - 150				Recovery =	48.74%
3) s Decachlorobi	4.005	4.516	26479538	38482691	200.477M2	205.600M2
Spiked Amount 500.000	Range 30 - 150				Recovery =	40.10%
						41.12%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	3.048f	0.000	-7504	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:23 am
 Operator : pest19:aws
 Sample : wg1340606-1,42e,,
 Misc : wg1340785,wg1340606,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 14:56:22 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:23 am
 Operator : pest19:aws
 Sample : wg1340606-1,42e,,
 Misc : wg1340785,wg1340606,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 14:56:22 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	3.048f	0.000	-7504	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 11:23 am
 Operator : pest19:aws
 Sample : wg1340606-1,42e,,
 Misc : wg1340785,wg1340606,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 14 14:56:22 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

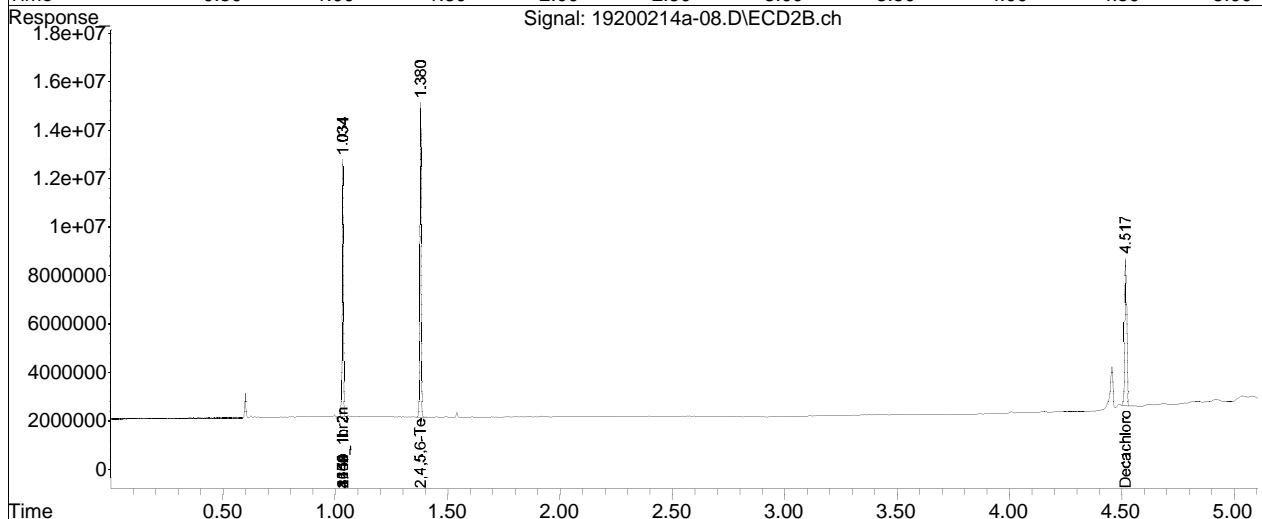
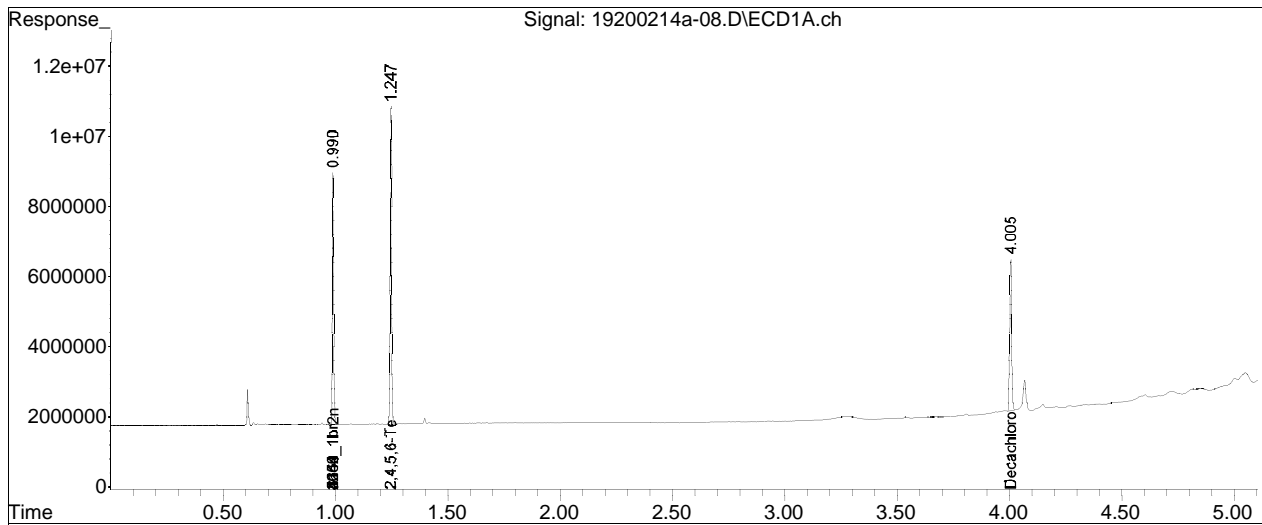
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 11:23 am
Operator : pest19:aws
Sample : wg1340606-1,42e,,
Misc : wg1340785,wg1340606,ical16321
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 14 14:56:22 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sat Feb 01 09:36:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

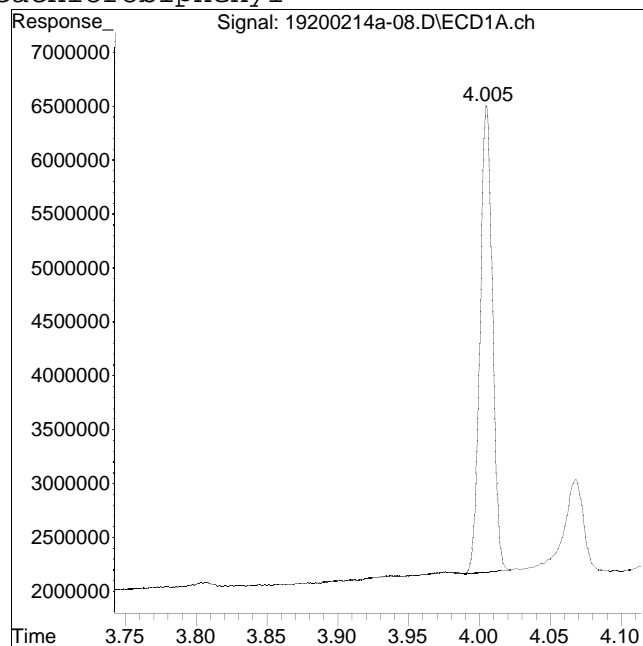
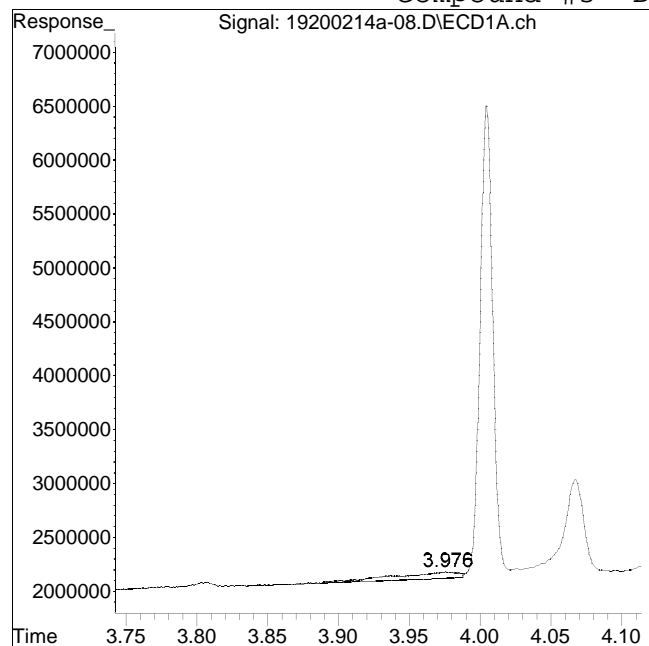


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-08.D
Date Inj'd : 2/14/2020 11:23 am
Sample : wg1340606-1,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 2066824

Manual Peak Response = 26479538 M2

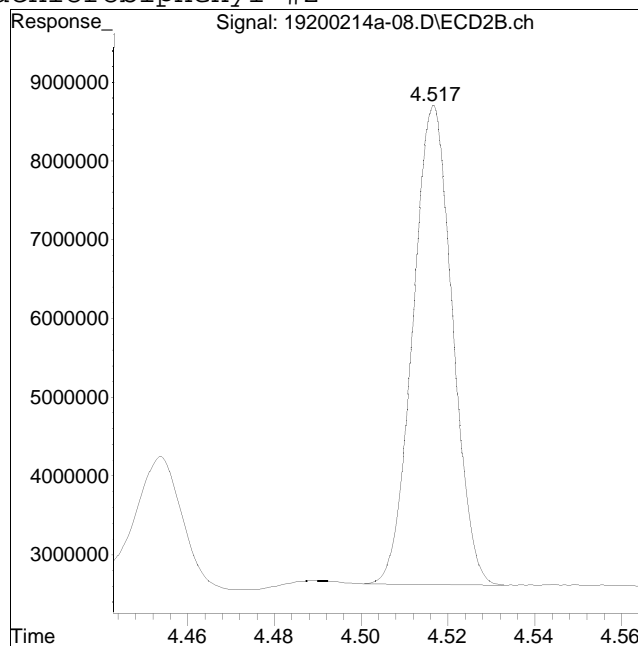
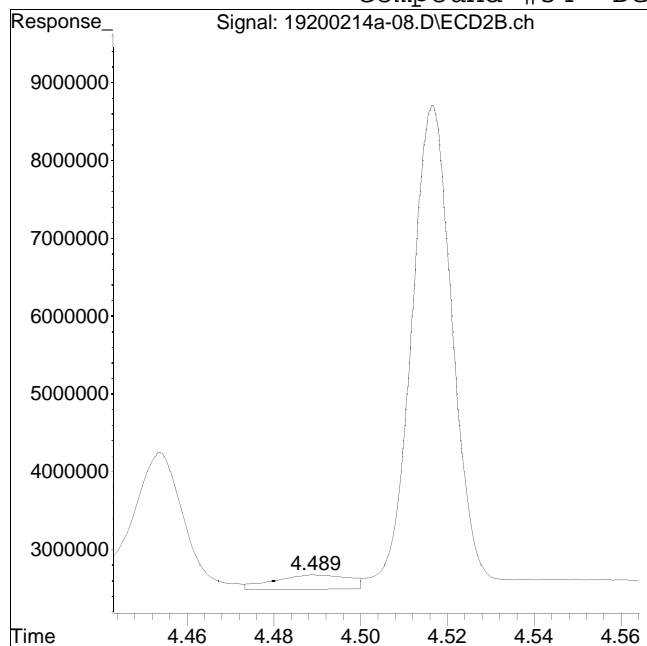
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-08.D
Date Inj'd : 2/14/2020 11:23 am
Sample : wg1340606-1,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/14/2020 2:47 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 2227262

Manual Peak Response = 38482691 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 04:37 pm
 Operator : pest19:aws
 Sample : wg1340200-1,42e,,
 Misc : wg1340785,wg1340200,ical16321
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:28:26 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 16:49:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.997	1.035	28734133	40370599	250.000	250.000
Standard Area 1 : #1 = 27370756					Recovery =	104.98%
Standard Area 1 : #2 = 38179832					Recovery =	105.74%
14) i 2154_1br2nb	0.997	1.035	28734133	40370599	250.000	250.000
23) i 4268_1br2nb	0.997	1.035	28734133	40370599	250.000	250.000
34) i 1248_1br2nb	0.997	1.035	28734133	40370599	250.000	250.000
40) i 3262_1br2nb	0.997	1.035	28734133	40370599	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.259	1.383	54890645	73478029	366.061	356.356
Spiked Amount 500.000	Range 30 - 150				Recovery =	73.21%
71.27%						
3) s Decachlorobi	4.033f	4.536	36067196	48579087	299.856	279.317M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	59.97%
55.86%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 04:37 pm
 Operator : pest19:aws
 Sample : wg1340200-1,42e,,
 Misc : wg1340785,wg1340200,ical16321
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:28:26 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 16:49:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200214a\
 Data File : 19200214a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Feb 2020 04:37 pm
 Operator : pest19:aws
 Sample : wg1340200-1,42e,,
 Misc : wg1340785,wg1340200,ical16321
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 17 17:28:26 2020
 Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Mon Feb 17 16:49:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200214a\19200214a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

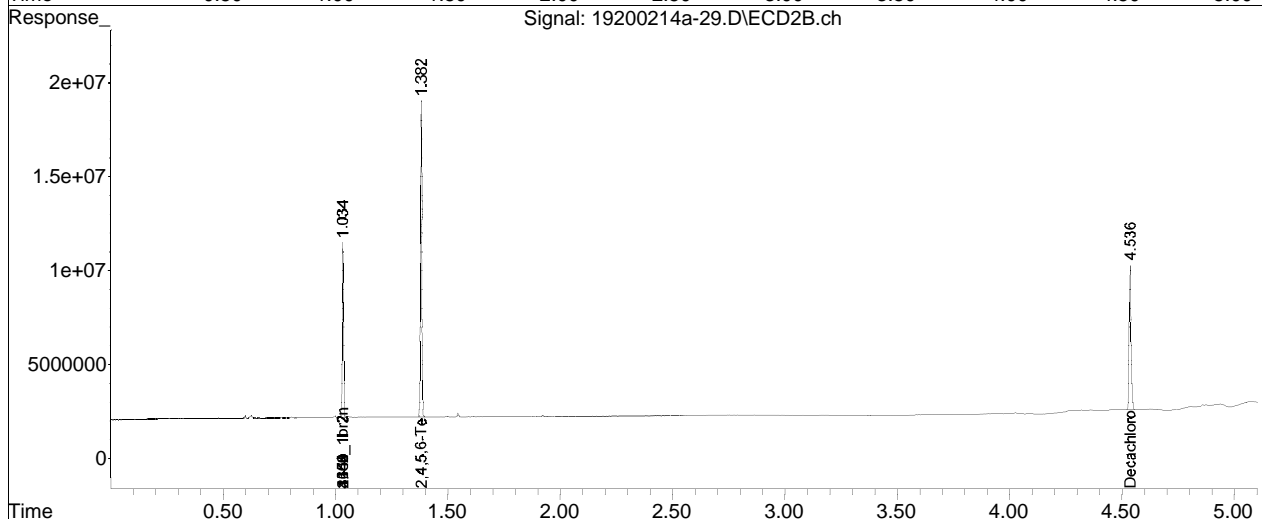
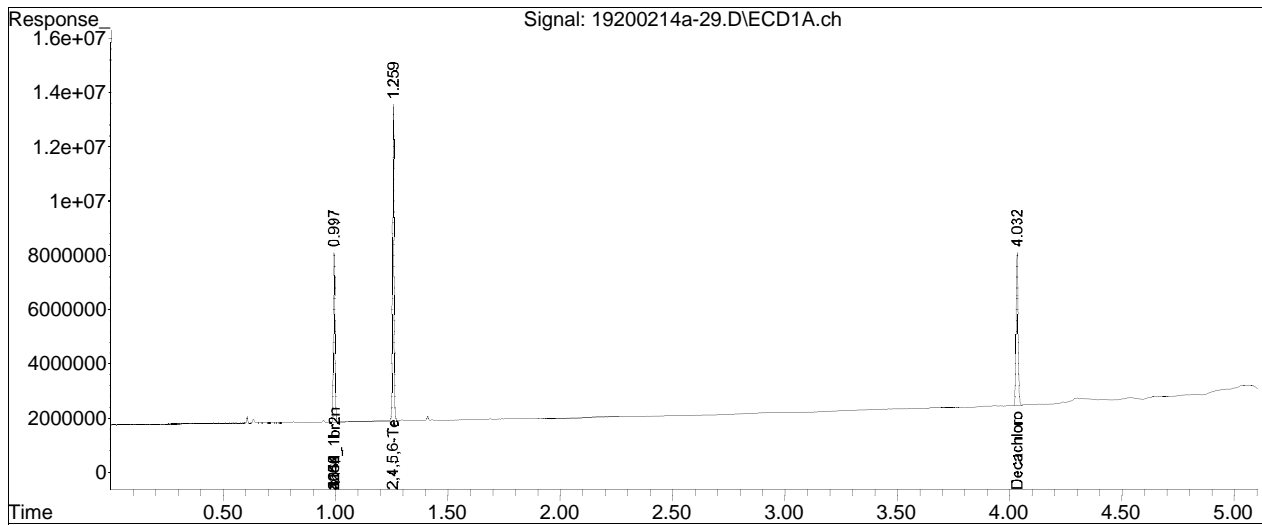
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200214a\
Data File : 19200214a-29.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Feb 2020 04:37 pm
Operator : pest19:aws
Sample : wg1340200-1,42e,,
Misc : wg1340785,wg1340200,ical16321
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 17 17:28:26 2020
Quant Method : I:\Pest19\200214a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Mon Feb 17 16:49:53 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

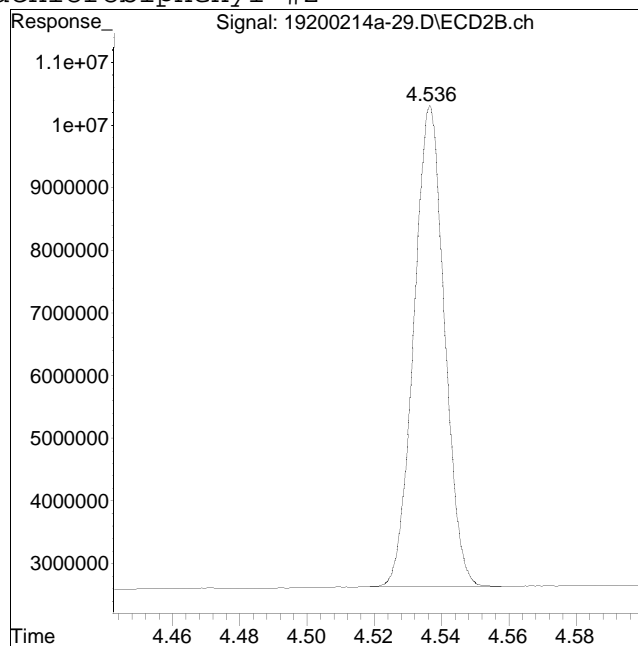
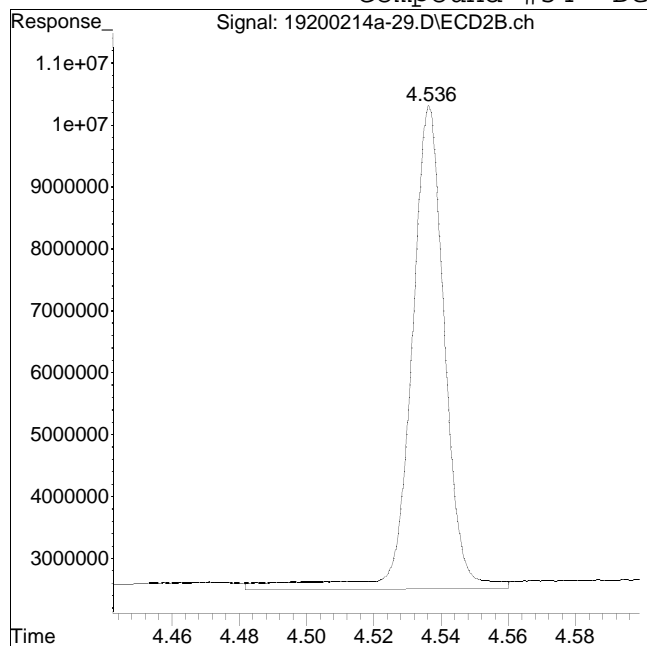


Manual Integration Report

Data Path : I:\Pest19\200214a\
Data File : 19200214a-29.D
Date Inj'd : 2/14/2020 4:37 pm
Sample : wg1340200-1,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/17/2020 5:24 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 54071086

Manual Peak Response = 48579087 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200213A\
 Data File : P2200213a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 12:17 pm
 Operator : pest2:aws
 Sample : wg1340209-1,42e,,
 Misc : wg1340357,wg1340209,ical16010
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 14:08:24 2020
 Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200213A\P2200213a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.079	2.267	100.5E6	72555643	25.000	25.000
Standard Area 1 : #1 = 85294184					Recovery =	117.85%
Standard Area 1 : #2 = 60865345					Recovery =	119.21%
14) i 2154_1br2nb	2.079	2.267	100.5E6	72555643	25.000	25.000
23) i 4268_1br2nb	2.079	2.267	100.5E6	72555643	25.000	25.000
34) i 1248_1br2nb	2.079	2.267	100.5E6	72555643	25.000	25.000
40) i 3262_1br2nb	2.079	2.267	100.5E6	72555643	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.558	2.908	62818840	47364112	15.231	15.493
Spiked Amount 20.000	Range 30 - 150				Recovery =	76.16% 77.47%
3) s Decachlorobi	6.560	7.250f	55653881	40369896	14.057	16.892
Spiked Amount 20.000	Range 30 - 150				Recovery =	70.28% 84.46%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200213A\
 Data File : P2200213a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 12:17 pm
 Operator : pest2:aws
 Sample : wg1340209-1,42e,,
 Misc : wg1340357,wg1340209,ical16010
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 14:08:24 2020
 Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200213A\P2200213a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-3	0.000	0.000	0	0	N.D.	N.D.
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D.	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D.
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D.
21) 14	1254-4	0.000	0.000	0	0	N.D.	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D.	N.D.
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D.
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D.
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	3.373f	3.985f	1029367	924036	12.883M4	14.689M2

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200213A\
 Data File : P2200213a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 12:17 pm
 Operator : pest2:aws
 Sample : wg1340209-1,42e,,
 Misc : wg1340357,wg1340209,ical16010
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 14:08:24 2020
 Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200213A\P2200213a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	3.635f	4.272f	1356092	1042408	11.970	12.788
37)	17 1248-3	3.819f	4.496f	1309016	1290575	9.276M4	13.097
38)	17 1248-4	4.157f	4.789f	2177466	2364221	14.681M4	21.553
39)	17 1248-5	4.180f	4.827f	2063539	2016548	15.110M2	15.972
	Sum 1248-1			7935481	7637788	63.920	78.099
	Average 1248-1					12.784	15.620
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D.
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200213A\
 Data File : P2200213a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 12:17 pm
 Operator : pest2:aws
 Sample : wg1340209-1,42e,,
 Misc : wg1340357,wg1340209,ical16010
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 14:08:24 2020
 Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Mon Feb 03 12:53:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200213A\P2200213a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

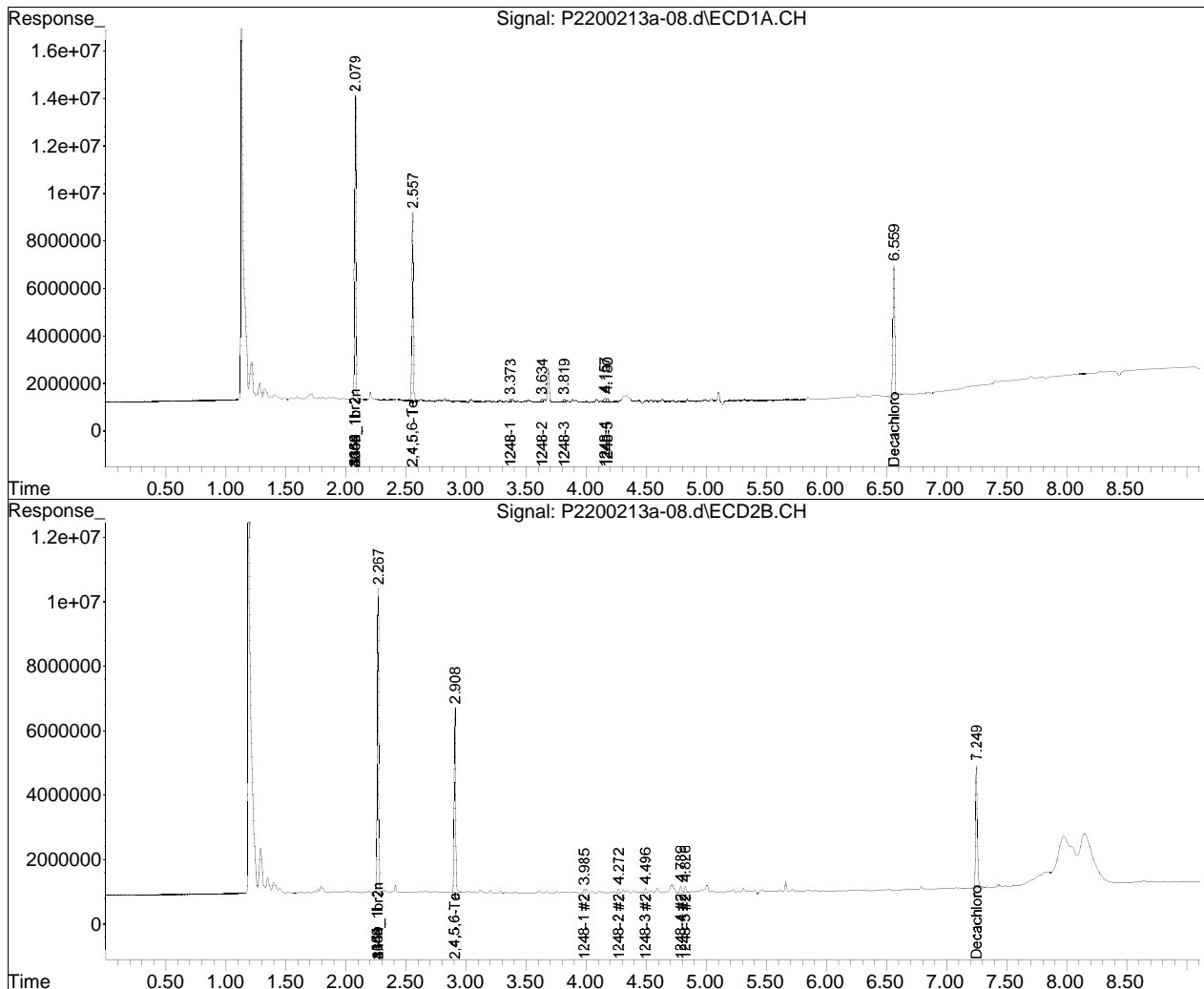
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200213A\
Data File : P2200213a-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Feb 2020 12:17 pm
Operator : pest2:aws
Sample : wg1340209-1,42e,,
Misc : wg1340357,wg1340209,ical16010
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 14:08:24 2020
Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Mon Feb 03 12:53:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

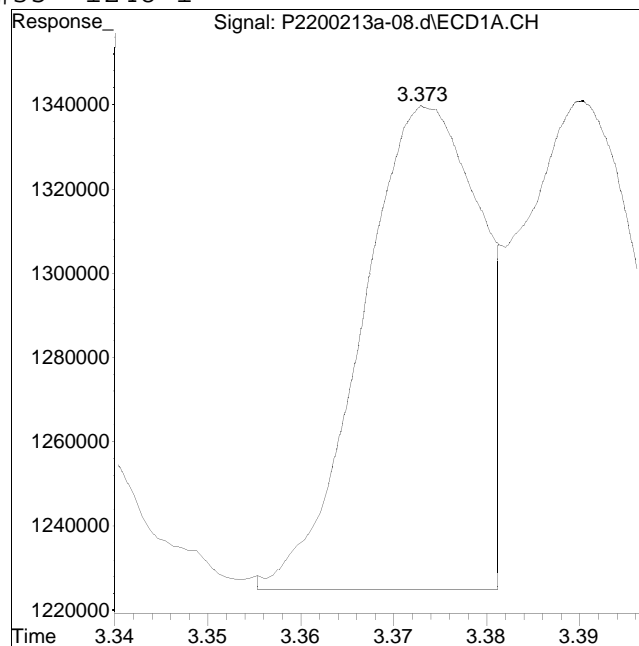
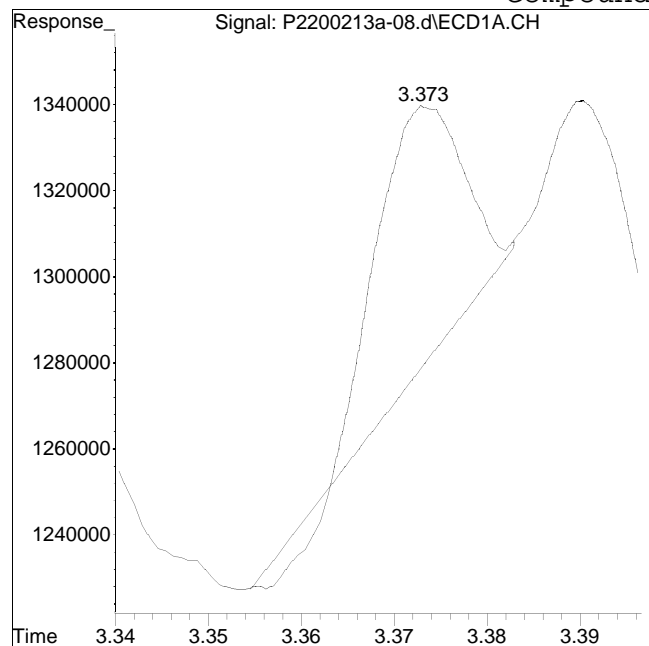


Manual Integration Report

Data Path : I:\Pest2\200213A\
Data File : P2200213a-08.d
Date Inj'd : 2/13/2020 12:17 pm
Sample : wg1340209-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/13/2020 1:51 pm

Compound #35: 1248-1



Original Peak Response = 334122

Manual Peak Response = 1029367 M4

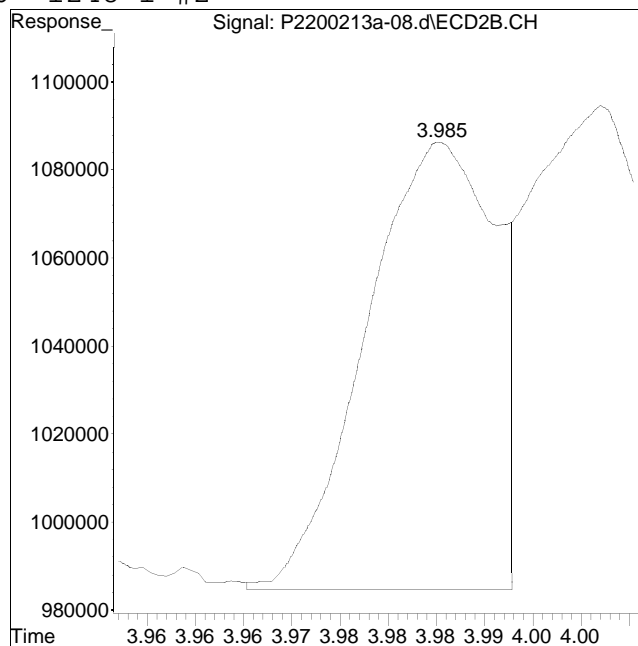
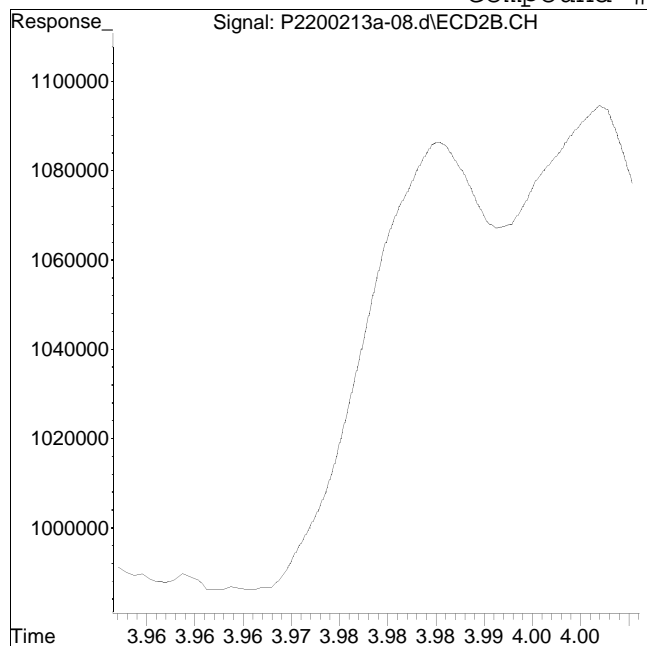
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200213A\
Data File : P2200213a-08.d
Date Inj'd : 2/13/2020 12:17 pm
Sample : wg1340209-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/13/2020 1:51 pm

Compound #86: 1248-1 #2



Original Peak Response = 0

Manual Peak Response = 924036 M2

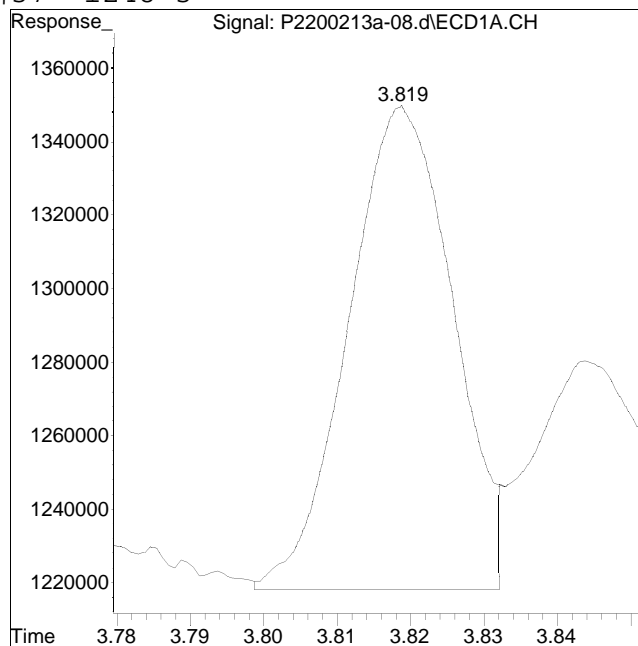
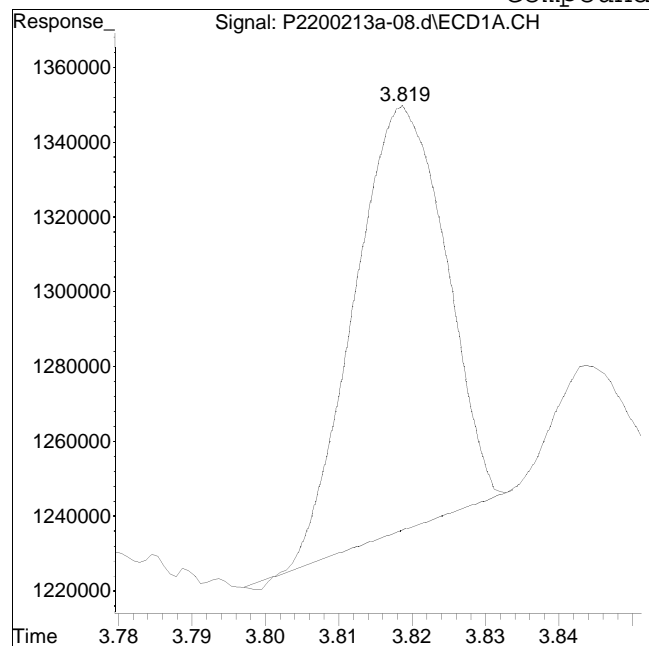
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest2\200213A\
Data File : P2200213a-08.d
Date Inj'd : 2/13/2020 12:17 pm
Sample : wg1340209-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/13/2020 1:51 pm

Compound #37: 1248-3



Original Peak Response = 974378

Manual Peak Response = 1309016 M4

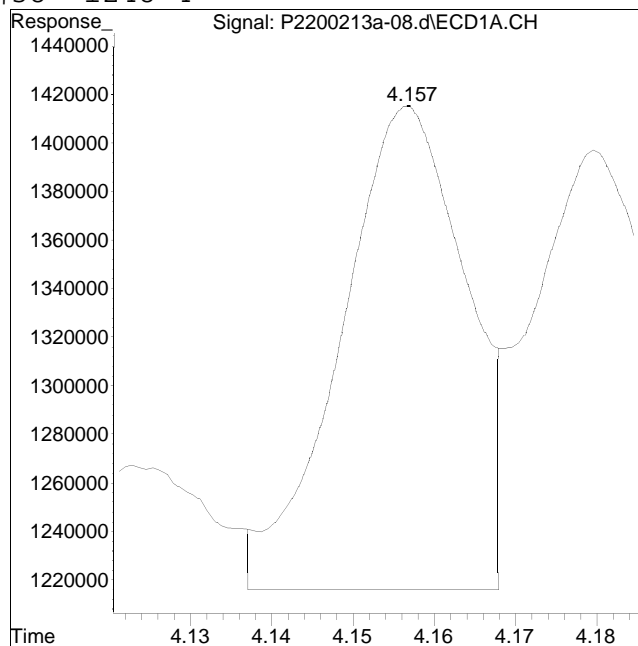
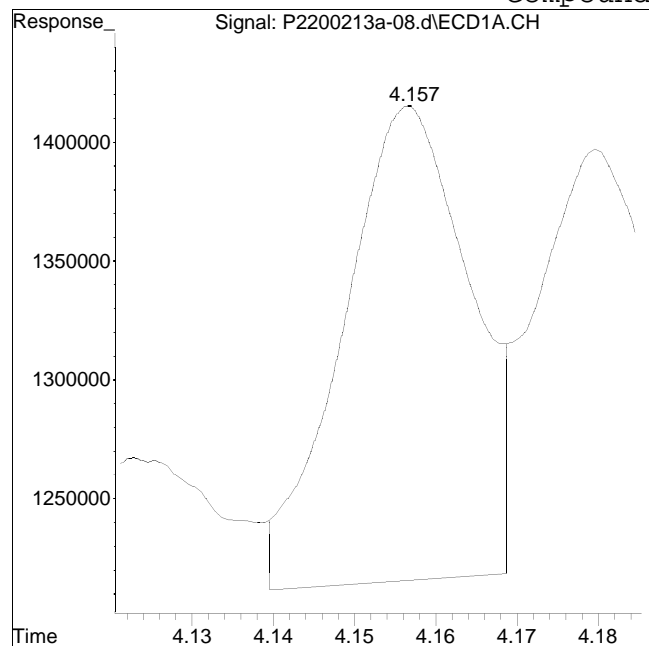
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200213A\
Data File : P2200213a-08.d
Date Inj'd : 2/13/2020 12:17 pm
Sample : wg1340209-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/13/2020 1:51 pm

Compound #38: 1248-4



Original Peak Response = 2168418

Manual Peak Response = 2177466 M4

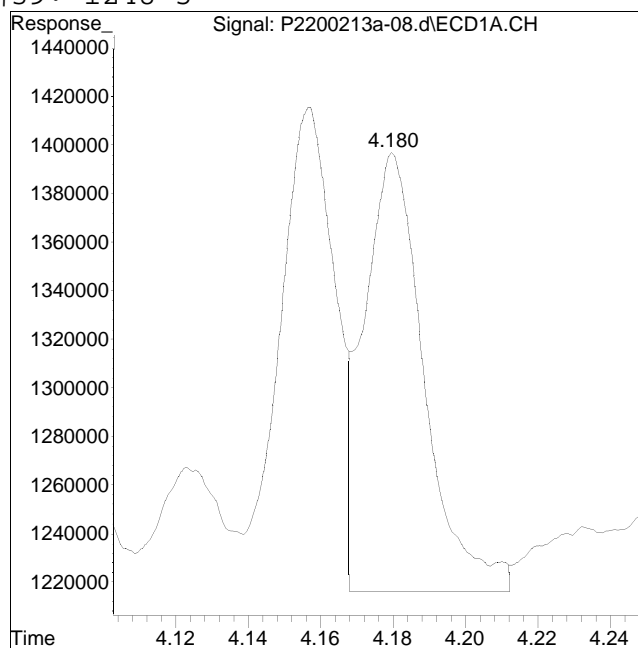
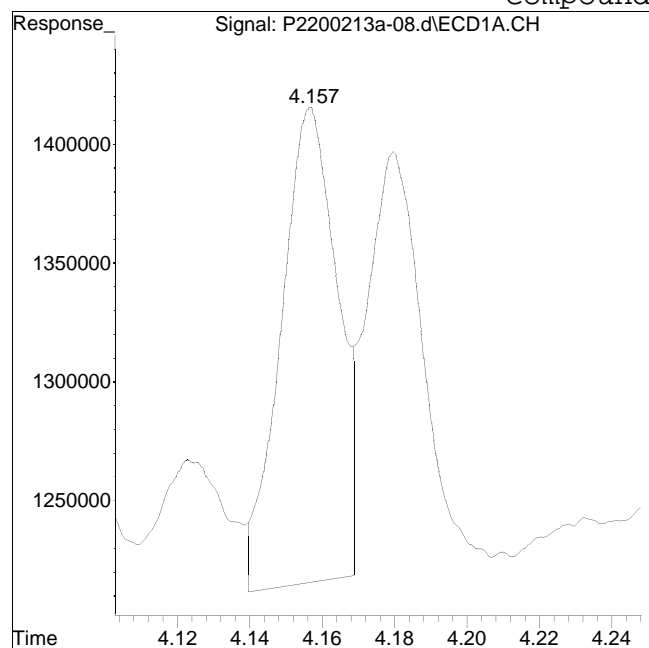
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200213A\
Data File : P2200213a-08.d
Date Inj'd : 2/13/2020 12:17 pm
Sample : wg1340209-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/13/2020 1:51 pm

Compound #39: 1248-5



Original Peak Response = 2168418

Manual Peak Response = 2063539 M2

M2 = Peak not found by automatic integration algorithm.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-01	Date Collected : 02/11/20 09:20
Client ID : E-158_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-02	Date Collected : 02/11/20 09:40
Client ID : E-201_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-03	Date Collected : 02/11/20 09:52
Client ID : E-201_2.0-2.5	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 89
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-04	Date Collected : 02/11/20 10:09
Client ID : E-150_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-05	Date Collected : 02/11/20 10:34
Client ID : E-150_2.0-2.5	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	79.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-06	Date Collected : 02/11/20 11:49
Client ID : E-163_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-07	Date Collected : 02/11/20 11:54
Client ID : E-163_2.0-2.5	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-09	Date Collected : 02/11/20 11:50
Client ID : E-151_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 92
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	91.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-10	Date Collected : 02/11/20 12:35
Client ID : E-177_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-11	Date Collected : 02/11/20 12:46
Client ID : E-177_2.0-2.5	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 89
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-13	Date Collected : 02/11/20 13:39
Client ID : E-176_0.5-1.0	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-14	Date Collected : 02/11/20 13:46
Client ID : E-176_2.0-2.5	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	84.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006151-16	Date Collected : 02/11/20 00:00
Client ID : X-4_02112020	Date Received : 02/11/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006151
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1339980-1	Date Collected : 02/11/20 09:20
Client ID : E-158_0.5-1.0DUP	Date Received : 02/11/20
Sample Location :	Date Analyzed : 02/12/20 12:52
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1339980.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.6	0.100	NA	



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006151
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-158_0.5-1.0	Matrix	: SOLID
Lab Sample ID	: L2006151-01	Analysis Date	: 02/12/20 12:52
Dup Sample ID	: WG1339980-1	DUP Analysis Date	: 02/12/20 12:52

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	82.1	83.6	2	20





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Lab Number: L2006460

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

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**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0008.06		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2006460		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/12/2020		Date of Last Sample Receipt: 02/12/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-152-0.5-1.0	L2006460-01	AMTRAK-EAST BARRACKS	02/12/2020 09:18
E-152-2.0-2.5	L2006460-02	AMTRAK-EAST BARRACKS	02/12/2020 09:27
E-152-4.0-4.5	L2006460-03	AMTRAK-EAST BARRACKS	02/12/2020 09:50
E-149-0.5-1.0	L2006460-04	AMTRAK-EAST BARRACKS	02/12/2020 10:10
E-149-2.0-2.5	L2006460-05	AMTRAK-EAST BARRACKS	02/12/2020 10:22
E-149-3.0-3.5	L2006460-06	AMTRAK-EAST BARRACKS	02/12/2020 10:27
E-147-0.5-1.0	L2006460-07	AMTRAK-EAST BARRACKS	02/12/2020 10:52
E-147-2.0-2.5	L2006460-08	AMTRAK-EAST BARRACKS	02/12/2020 11:01
E-147-3.0-3.5	L2006460-09	AMTRAK-EAST BARRACKS	02/12/2020 11:10
E-153-0.5-1.0	L2006460-10	AMTRAK-EAST BARRACKS	02/12/2020 11:44
E-153-2.0-2.5	L2006460-11	AMTRAK-EAST BARRACKS	02/12/2020 11:57
E-155-0.5-1.0	L2006460-12	AMTRAK-EAST BARRACKS	02/12/2020 12:25
E-155-2.0-2.5	L2006460-13	AMTRAK-EAST BARRACKS	02/12/2020 12:29
E-155-4.0-4.5	L2006460-14	AMTRAK-EAST BARRACKS	02/12/2020 12:38
E-142-0.5-1.0	L2006460-15	AMTRAK-EAST BARRACKS	02/12/2020 13:14
E-142-2.0-2.5	L2006460-16	AMTRAK-EAST BARRACKS	02/12/2020 13:33
E-142-3.0-3.5	L2006460-17	AMTRAK-EAST BARRACKS	02/12/2020 13:37
E-142-4.0-4.5	L2006460-18	AMTRAK-EAST BARRACKS	02/12/2020 13:46
E-145-0.5-1.0	L2006460-19	AMTRAK-EAST BARRACKS	02/12/2020 14:02
E-145-2.0-2.5	L2006460-20	AMTRAK-EAST BARRACKS	02/12/2020 14:09
E-145-3.0-3.5	L2006460-21	AMTRAK-EAST BARRACKS	02/12/2020 14:15

Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0008.06	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2006460	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/12/2020	Date of Last Sample Receipt: 02/12/2020

E-144-0.5-1.0	L2006460-22	AMTRAK-EAST BARRACKS	02/12/2020 14:51
E-144-2.0-2.5	L2006460-23	AMTRAK-EAST BARRACKS	02/12/2020 15:01
E-144-3.0-3.5	L2006460-24	AMTRAK-EAST BARRACKS	02/12/2020 15:12
E-143-0.5-1.0	L2006460-25	AMTRAK-EAST BARRACKS	02/12/2020 15:36
E-143-2.0-2.5	L2006460-26	AMTRAK-EAST BARRACKS	02/12/2020 15:50
E-143-3.0-3.5	L2006460-27	AMTRAK-EAST BARRACKS	02/12/2020 15:58
X-5-02122020	L2006460-28	AMTRAK-EAST BARRACKS	02/12/2020 00:00
EB-5-02122020	L2006460-29	AMTRAK-EAST BARRACKS	02/12/2020 17:30

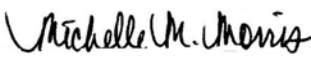
<p>I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.</p>	
<p>Technical Director/Representative (Typed) Michelle Morris</p>	<p>02/26/20</p>
<p>Technical Director/Representative (Signature) </p>	

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Chain of Custody



ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 26 2020, 03:12 pm

Login Number: L2006460

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0008.06

Received: 12FEB20 Due Date: 26FEB20

Sample #	Client ID	Mat PR Collected
L2006460-01	E-152-0.5-1.0	3 S0 12FEB20 09:18
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 02/26/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2006460-02	E-152-2.0-2.5	3 S0 12FEB20 09:27
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
NJ-8082,TS		
L2006460-03	E-152-4.0-4.5	3 S0 12FEB20 09:50
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
NJ-8082,TS		
L2006460-04	E-149-0.5-1.0	3 S0 12FEB20 10:10
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
NJ-8082,TS		
L2006460-05	E-149-2.0-2.5	3 S0 12FEB20 10:22
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
NJ-8082,TS		
L2006460-06	E-149-3.0-3.5	3 S0 12FEB20 10:27
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 26 2020, 03:12 pm

Login Number: L2006460

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 12FEB20 Due Date: 26FEB20

Sample # Client ID Mat PR Collected

HOLD-8082,HOLD-WETCHEM

L2006460-07 E-147-0.5-1.0 3 S0 12FEB20 10:52

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/26/20

NJ-8082,TS

L2006460-08 E-147-2.0-2.5 3 S0 12FEB20 11:01

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/26/20

NJ-8082,TS

L2006460-09 E-147-3.0-3.5 3 S0 12FEB20 11:10

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/26/20

HOLD-8082,HOLD-WETCHEM

L2006460-10 E-153-0.5-1.0 3 S0 12FEB20 11:44

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/26/20

NJ-8082,TS

L2006460-11 E-153-2.0-2.5 3 S0 12FEB20 11:57

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/26/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 26 2020, 03:12 pm

Login Number: L2006460

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 12FEB20 Due Date: 26FEB20

Sample #	Client ID	Mat PR Collected
L2006460-12	E-155-0.5-1.0	3 S0 12FEB20 12:25
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
NJ-8082,TS		
L2006460-13	E-155-2.0-2.5	3 S0 12FEB20 12:29
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
NJ-8082,TS		
L2006460-14	E-155-4.0-4.5	3 S0 12FEB20 12:38
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
HOLD-8082,HOLD-WETCHEM		
L2006460-15	E-142-0.5-1.0	3 S0 12FEB20 13:14
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
NJ-8082,TS		
L2006460-16	E-142-2.0-2.5	3 S0 12FEB20 13:33
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
NJ-8082,TS		
L2006460-17	E-142-3.0-3.5	3 S0 12FEB20 13:37
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 26 2020, 03:12 pm

Login Number: L2006460

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 12FEB20 Due Date: 26FEB20

Sample #	Client ID	Mat PR Collected
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NJ-8082,TS

L2006460-18 E-142-4.0-4.5 3 S0 12FEB20 13:46
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/26/20

NJ-8082,TS

L2006460-19 E-145-0.5-1.0 3 S0 12FEB20 14:02
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/26/20

NJ-8082,TS

L2006460-20 E-145-2.0-2.5 3 S0 12FEB20 14:09
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/26/20

NJ-8082,TS

L2006460-21 E-145-3.0-3.5 3 S0 12FEB20 14:15
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/26/20

HOLD-8082,HOLD-WETCHEM

L2006460-22 E-144-0.5-1.0 3 S0 12FEB20 14:51
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/26/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 26 2020, 03:12 pm

Login Number: L2006460

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 12FEB20 Due Date: 26FEB20

Sample #	Client ID	Mat PR Collected
L2006460-23	E-144-2.0-2.5	3 S0 12FEB20 15:01
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
NJ-8082,TS		
L2006460-24	E-144-3.0-3.5	3 S0 12FEB20 15:12
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
HOLD-8082,HOLD-WETCHEM		
L2006460-25	E-143-0.5-1.0	3 S0 12FEB20 15:36
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
NJ-8082,TS		
L2006460-26	E-143-2.0-2.5	3 S0 12FEB20 15:50
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
NJ-8082,TS		
L2006460-27	E-143-3.0-3.5	3 S0 12FEB20 15:58
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		
HOLD-8082,HOLD-WETCHEM		
L2006460-28	X-5-02122020	3 S0 12FEB20 00:00
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 26 2020, 03:12 pm

Login Number: L2006460

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 12FEB20 Due Date: 26FEB20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2006460-29 EB-5-02122020

1 S0 12FEB20 17:30

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/26/20

NJ-8082-LVI

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006460-01A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-01A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-01A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-01A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-01A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-01A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-01A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-01A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-02A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-02A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-02A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-02A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-02A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-02A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-02A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-02A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-03A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2006460-03A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2006460-03A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	W17-S3-D CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2006460-03A	Glass-A.06	INTACT	22-FEB-20		WALK-IN CUSTODY	Sam Bardsley	W17-S3-D CUSTODY	W17-S3-D CUSTODY	Sam Bardsley
L2006460-03A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2006460-03A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Michael Lamb	ORGPREP	ORGPREP	Michael Lamb
L2006460-03A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2006460-03A	Glass-A.06	INTACT	22-FEB-20	CUSTODY	W17-S3-A CUSTODY	Theophilus Botuo	ORGPREP	ORGPREP	Theophilus Botuo
L2006460-03A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W17-S3-A CUSTODY	W17-S3-A CUSTODY	Geoffry Grace

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006460-03A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-03A	Glass-A.06	INTACT	20-FEB-20		W14-S3-B CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-03A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-03A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-03A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-03A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-03A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-04A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-04A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-04A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-04A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-04A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-04A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-04A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-04A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-05A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-05A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-05A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-05A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-05A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-05A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-05A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-05A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-06A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-06A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006460-06A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-06A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-06A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-07A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-07A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-07A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-07A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-07A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-07A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-07A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-07A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-08A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-08A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-08A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-08A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-08A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-08A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-08A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-08A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-09A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W14-S3-B CUSTODY	Sam Bardsley	W14-S3-A CUSTODY	W14-S3-A CUSTODY	Sam Bardsley
L2006460-09A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-09A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-09A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-09A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-09A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006460-10A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-10A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-10A	Glass-A.06	INTACT	14-FEB-20		W14-S3-A CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-10A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W14-S3-B CUSTODY	Sam Bardsley	W14-S3-A CUSTODY	W14-S3-A CUSTODY	Sam Bardsley
L2006460-10A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-10A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-10A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-10A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-10A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-11A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-11A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-11A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-11A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-11A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-11A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-11A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-11A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-12A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-12A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-12A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-12A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-12A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-12A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-12A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-12A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006460-13A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-13A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-13A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-13A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-13A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-13A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-13A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-13A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-14A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	W14-S3-B CUSTODY	Sam Bardsley	W14-S3-A CUSTODY	W14-S3-A CUSTODY	Sam Bardsley
L2006460-14A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-14A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-14A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-14A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-14A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-15A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-15A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-15A	Glass-A.06	INTACT	14-FEB-20		W14-S3-A CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-15A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W14-S3-A CUSTODY	W14-S3-A CUSTODY	Sam Bardsley
L2006460-15A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-15A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-15A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-15A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-16A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-16A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-16A	Glass-A.06	INTACT	14-FEB-20		W14-S3-A CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006460-16A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W14-S3-A CUSTODY	W14-S3-A CUSTODY	Sam Bardsley
L2006460-16A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-16A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-16A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-16A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-17A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-17A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-17A	Glass-A.06	INTACT	14-FEB-20		W14-S3-A CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-17A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W14-S3-A CUSTODY	W14-S3-A CUSTODY	Sam Bardsley
L2006460-17A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-17A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-17A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-17A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-18A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-18A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-18A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-18A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-18A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-18A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-18A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-18A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-19A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-19A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-19A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-19A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006460-19A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-19A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-19A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-19A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-20A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-20A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-20A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-20A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-20A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-20A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-20A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-20A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-21A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-21A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-21A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-21A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-21A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-22A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-22A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-22A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-22A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-22A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-22A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-22A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-22A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006460-23A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-B	CUSTODY	W15-S3-B CUSTODY Sam Bardsley
L2006460-23A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Corey Lefebvre
L2006460-23A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B	CUSTODY Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-23A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W14-S3-B	CUSTODY	W14-S3-B CUSTODY Sam Bardsley
L2006460-23A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006460-23A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-23A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D	CUSTODY	W14-S3-D CUSTODY Phillip Renaud
L2006460-23A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-24A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W14-S3-B	CUSTODY	W14-S3-B CUSTODY Sam Bardsley
L2006460-24A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006460-24A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-24A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D	CUSTODY	W14-S3-D CUSTODY Phillip Renaud
L2006460-24A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-25A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W15-S3-A	CUSTODY	W15-S3-A CUSTODY Phillip Renaud
L2006460-25A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Steven Marengo
L2006460-25A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	W15-S3-B	CUSTODY Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2006460-25A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-B	CUSTODY	W15-S3-B CUSTODY Sam Bardsley
L2006460-25A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Corey Lefebvre
L2006460-25A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B	CUSTODY Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-25A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W14-S3-B	CUSTODY	W14-S3-B CUSTODY Sam Bardsley
L2006460-25A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006460-25A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-25A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D	CUSTODY	W14-S3-D CUSTODY Phillip Renaud
L2006460-25A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-26A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-B	CUSTODY	W15-S3-B CUSTODY Sam Bardsley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006460-26A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-26A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-26A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-26A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-26A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-26A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-26A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-27A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-27A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-27A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-27A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006460-27A	Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-28A	Glass-A.06	INTACT	18-FEB-20	CUSTODY	W15-S3-C CUSTODY	Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-28A	Glass-A.06	INTACT	18-FEB-20		W15-S3-D CUSTODY	Phillip Renaud	W15-S3-C CUSTODY	W15-S3-C CUSTODY	Phillip Renaud
L2006460-28A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	W15-S3-A CUSTODY	Phillip Renaud	W15-S3-D CUSTODY	W15-S3-D CUSTODY	Phillip Renaud
L2006460-28A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Phillip Renaud
L2006460-28A	Glass-A.06	INTACT	15-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Steven Marengo
L2006460-28A	Glass-A.06	INTACT	15-FEB-20		W15-S3-B CUSTODY	Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2006460-28A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-B CUSTODY	W15-S3-B CUSTODY	Sam Bardsley
L2006460-28A	Glass-A.06	INTACT	14-FEB-20		ORGPREP	Corey Lefebvre	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Corey Lefebvre
L2006460-28A	Glass-A.06	INTACT	14-FEB-20		W14-S3-B CUSTODY	Corey Lefebvre	ORGPREP	ORGPREP	Corey Lefebvre
L2006460-28A	Glass-A.06	INTACT	13-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W14-S3-B CUSTODY	W14-S3-B CUSTODY	Sam Bardsley
L2006460-28A	Glass-A.06	INTACT	13-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006460-28A	Glass-A.06	INTACT	13-FEB-20		W14-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006460-28A	Glass-A.06	INTACT	13-FEB-20		CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006460-28A Glass-A.06	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-29A Amber-A.120	EMPTY	14-FEB-20		ORGPREP	Francis Mbro-Menyah	CUSTODY	CUSTODY	Francis Mbro-Menyah
L2006460-29A Amber-A.120	INTACT	14-FEB-20		R60-03 CUSTODY	Isaac Bamfo	ORGPREP	ORGPREP	Isaac Bamfo
L2006460-29A Amber-A.120	INTACT	13-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	R60-03 CUSTODY	R60-03 CUSTODY	Phillip Renaud
L2006460-29A Amber-A.120	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006460-29B Amber-A.120	INTACT	14-FEB-20	CUSTODY	ORGPREP	Isaac Bamfo	R51-03 CUSTODY	R51-03 CUSTODY	Isaac Bamfo
L2006460-29B Amber-A.120	INTACT	14-FEB-20	CUSTODY	R60-03 CUSTODY	Tarcisio Nascimento	ORGPREP	ORGPREP	Tarcisio Nascimento
L2006460-29B Amber-A.120	INTACT	13-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	R60-03 CUSTODY	R60-03 CUSTODY	Phillip Renaud
L2006460-29B Amber-A.120	INTACT	13-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green

Methodology Review

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006460
Report Date: 02/26/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2006460

Report Date: 02/26/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2006460-01A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-02A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-03A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-04A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-05A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-06A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2006460-07A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-08A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-09A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2006460-10A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-11A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-12A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-13A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-14A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2006460-15A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-16A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-17A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-18A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-19A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-20A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-21A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2006460-22A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-23A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)

*Values in parentheses indicate holding time in days



Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2006460

Report Date: 02/26/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2006460-24A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2006460-25A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-26A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-27A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2006460-28A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006460-29A	Amber 120ml unpreserved	A	7	7	4.2	Y	Absent		NJ-8082-LVI(7)
L2006460-29B	Amber 120ml unpreserved	A	7	7	4.2	Y	Absent		NJ-8082-LVI(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006460
Report Date: 02/26/20

**NJ DEP Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^\circ \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006460
Report Date: 02/26/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006460
Report Date: 02/26/20

Case Narrative (continued)

Report Submission

February 26, 2020: This final report includes the results of the PCBs analysis performed on L2006460-03.

February 19, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

WG1340879: An MS was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.

In reference to question 5b:

L2006460-01, -02, and -15: One or more of the target analytes did not achieve the requested regulatory limits.


In reference to question 4:

L2006460-01, -15, and WG1340879-5: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2006460-04, -07, -16, and -22: One or more surrogates failed to meet the DKQP recovery limits. Please refer to the sample results and/or QC section of the report for specific details.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Report Date: 02/26/20

Title: Technical Director/Representative

Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006460
Report Date: 02/26/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedances are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006460
Report Date: 02/26/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Organics



**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-01D	Date Collected : 02/12/20 09:18
Client ID : E-152-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 16:03
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 100
Lab File ID : 23200216a-29	Analyst : CW
Sample Amount : 15.38 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 80
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	4.09	0.363	U
11104-28-2	Aroclor 1221	ND	4.09	0.410	U
11141-16-5	Aroclor 1232	ND	4.09	0.867	U
53469-21-9	Aroclor 1242	ND	4.09	0.551	U
12672-29-6	Aroclor 1248	ND	4.09	0.613	U
11097-69-1	Aroclor 1254	ND	4.09	0.447	U
37324-23-5	Aroclor 1262	ND	4.09	0.519	U
11100-14-4	Aroclor 1268	ND	4.09	0.424	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006460-01D	Date Collected	: 02/12/20 09:18
Client ID	: E-152-0.5-1.0	Date Received	: 02/12/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/16/20 16:03
Sample Matrix	: SOIL	Date Extracted	: 02/14/20
Analytical Method	: 1,8082A	Dilution Factor	: 100
Lab File ID	: 23200216a-29	Analyst	: CW
Sample Amount	: 15.38 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-PesticideII
Extract Volume	: 5000 uL	%Solids	: 80
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	35.6	4.09	0.756	
1336-36-3	PCBs, Total	35.6	4.09	0.363	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-02D	Date Collected : 02/12/20 09:27
Client ID : E-152-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 16:17
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 23200216a-31	Analyst : CW
Sample Amount : 15.5 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 77
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.209	0.0186	U
11104-28-2	Aroclor 1221	ND	0.209	0.0210	U
11141-16-5	Aroclor 1232	ND	0.209	0.0443	U
53469-21-9	Aroclor 1242	ND	0.209	0.0282	U
12672-29-6	Aroclor 1248	ND	0.209	0.0314	U
11097-69-1	Aroclor 1254	ND	0.209	0.0229	U
37324-23-5	Aroclor 1262	ND	0.209	0.0266	U
11100-14-4	Aroclor 1268	ND	0.209	0.0217	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006460-02D Client ID : E-152-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200216a-31 Sample Amount : 15.5 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006460 Project Number : 277710568.0008.06 Date Collected : 02/12/20 09:27 Date Received : 02/12/20 Date Analyzed : 02/16/20 16:17 Date Extracted : 02/14/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 77 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	1.95	0.209	0.0386	
1336-36-3	PCBs, Total	1.95	0.209	0.0186	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006460-03	Date Collected	: 02/12/20 09:50
Client ID	: E-152-4.0-4.5	Date Received	: 02/12/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/24/20 22:43
Sample Matrix	: SOIL	Date Extracted	: 02/24/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 23200224a-53	Analyst	: CW
Sample Amount	: 15.15 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 74
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0449	0.00399	U
11104-28-2	Aroclor 1221	ND	0.0449	0.00450	U
11141-16-5	Aroclor 1232	ND	0.0449	0.00952	U
53469-21-9	Aroclor 1242	ND	0.0449	0.00605	U
12672-29-6	Aroclor 1248	ND	0.0449	0.00674	U
11097-69-1	Aroclor 1254	ND	0.0449	0.00491	U
11096-82-5	Aroclor 1260	0.163	0.0449	0.00830	
37324-23-5	Aroclor 1262	ND	0.0449	0.00570	U
11100-14-4	Aroclor 1268	ND	0.0449	0.00465	U
1336-36-3	PCBs, Total	0.163	0.0449	0.00399	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006460-04 Client ID : E-149-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200216a-07 Sample Amount : 15.4 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006460 Project Number : 277710568.0008.06 Date Collected : 02/12/20 10:10 Date Received : 02/12/20 Date Analyzed : 02/16/20 12:09 Date Extracted : 02/14/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-Pesticide %Solids : 80 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0405	0.00360	U
11104-28-2	Aroclor 1221	ND	0.0405	0.00406	U
11141-16-5	Aroclor 1232	ND	0.0405	0.00859	U
53469-21-9	Aroclor 1242	ND	0.0405	0.00546	U
12672-29-6	Aroclor 1248	ND	0.0405	0.00608	U
11097-69-1	Aroclor 1254	ND	0.0405	0.00443	U
11096-82-5	Aroclor 1260	0.0361	0.0405	0.00749	J
37324-23-5	Aroclor 1262	ND	0.0405	0.00515	U
11100-14-4	Aroclor 1268	ND	0.0405	0.00420	U
1336-36-3	PCBs, Total	0.0361	0.0405	0.00360	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-05	Date Collected : 02/12/20 10:22
Client ID : E-149-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 12:15
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200216a-08	Analyst : CW
Sample Amount : 15.58 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 93
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0345	0.00306	U
11104-28-2	Aroclor 1221	ND	0.0345	0.00345	U
11141-16-5	Aroclor 1232	ND	0.0345	0.00731	U
53469-21-9	Aroclor 1242	ND	0.0345	0.00465	U
12672-29-6	Aroclor 1248	ND	0.0345	0.00517	U
11097-69-1	Aroclor 1254	ND	0.0345	0.00377	U
11096-82-5	Aroclor 1260	0.00908	0.0345	0.00637	J
37324-23-5	Aroclor 1262	ND	0.0345	0.00438	U
11100-14-4	Aroclor 1268	ND	0.0345	0.00357	U
1336-36-3	PCBs, Total	0.00908	0.0345	0.00306	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-07	Date Collected : 02/12/20 10:52
Client ID : E-147-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 12:22
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200216a-09	Analyst : CW
Sample Amount : 15.98 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0386	0.00343	U
11104-28-2	Aroclor 1221	ND	0.0386	0.00387	U
11141-16-5	Aroclor 1232	ND	0.0386	0.00819	U
53469-21-9	Aroclor 1242	ND	0.0386	0.00521	U
12672-29-6	Aroclor 1248	ND	0.0386	0.00579	U
11097-69-1	Aroclor 1254	ND	0.0386	0.00422	U
11096-82-5	Aroclor 1260	0.476	0.0386	0.00714	
37324-23-5	Aroclor 1262	ND	0.0386	0.00490	U
11100-14-4	Aroclor 1268	ND	0.0386	0.00400	U
1336-36-3	PCBs, Total	0.476	0.0386	0.00343	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006460-08 Client ID : E-147-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200216a-10 Sample Amount : 15.44 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006460 Project Number : 277710568.0008.06 Date Collected : 02/12/20 11:01 Date Received : 02/12/20 Date Analyzed : 02/16/20 12:29 Date Extracted : 02/14/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-Pesticide %Solids : 94 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0345	0.00306	U
11104-28-2	Aroclor 1221	ND	0.0345	0.00346	U
11141-16-5	Aroclor 1232	ND	0.0345	0.00732	U
53469-21-9	Aroclor 1242	ND	0.0345	0.00465	U
12672-29-6	Aroclor 1248	ND	0.0345	0.00518	U
11097-69-1	Aroclor 1254	ND	0.0345	0.00378	U
11096-82-5	Aroclor 1260	ND	0.0345	0.00638	U
37324-23-5	Aroclor 1262	ND	0.0345	0.00438	U
11100-14-4	Aroclor 1268	ND	0.0345	0.00358	U
1336-36-3	PCBs, Total	ND	0.0345	0.00306	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-10	Date Collected : 02/12/20 11:44
Client ID : E-153-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 12:36
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200216a-11	Analyst : CW
Sample Amount : 15.56 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0364	0.00323	U
11104-28-2	Aroclor 1221	ND	0.0364	0.00364	U
11141-16-5	Aroclor 1232	ND	0.0364	0.00771	U
53469-21-9	Aroclor 1242	ND	0.0364	0.00490	U
12672-29-6	Aroclor 1248	ND	0.0364	0.00545	U
11097-69-1	Aroclor 1254	ND	0.0364	0.00398	U
11096-82-5	Aroclor 1260	0.0186	0.0364	0.00672	J
37324-23-5	Aroclor 1262	ND	0.0364	0.00462	U
11100-14-4	Aroclor 1268	ND	0.0364	0.00376	U
1336-36-3	PCBs, Total	0.0186	0.0364	0.00323	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-11	Date Collected : 02/12/20 11:57
Client ID : E-153-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 12:43
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200216a-12	Analyst : CW
Sample Amount : 15.25 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 90
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0366	0.00325	U
11104-28-2	Aroclor 1221	ND	0.0366	0.00367	U
11141-16-5	Aroclor 1232	ND	0.0366	0.00776	U
53469-21-9	Aroclor 1242	ND	0.0366	0.00493	U
12672-29-6	Aroclor 1248	ND	0.0366	0.00549	U
11097-69-1	Aroclor 1254	ND	0.0366	0.00400	U
11096-82-5	Aroclor 1260	0.00687	0.0366	0.00676	J
37324-23-5	Aroclor 1262	ND	0.0366	0.00465	U
11100-14-4	Aroclor 1268	ND	0.0366	0.00379	U
1336-36-3	PCBs, Total	0.00687	0.0366	0.00325	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-12	Date Collected : 02/12/20 12:25
Client ID : E-155-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 12:49
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200216a-13	Analyst : CW
Sample Amount : 15.17 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 90
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0368	0.00327	U
11104-28-2	Aroclor 1221	ND	0.0368	0.00369	U
11141-16-5	Aroclor 1232	ND	0.0368	0.00781	U
53469-21-9	Aroclor 1242	ND	0.0368	0.00496	U
12672-29-6	Aroclor 1248	ND	0.0368	0.00552	U
11097-69-1	Aroclor 1254	ND	0.0368	0.00403	U
37324-23-5	Aroclor 1262	ND	0.0368	0.00468	U
11100-14-4	Aroclor 1268	ND	0.0368	0.00382	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006460-12 Client ID : E-155-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200216a-13 Sample Amount : 15.17 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006460 Project Number : 277710568.0008.06 Date Collected : 02/12/20 12:25 Date Received : 02/12/20 Date Analyzed : 02/16/20 12:49 Date Extracted : 02/14/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 90 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.247	0.0368	0.00680	
1336-36-3	PCBs, Total	0.247	0.0368	0.00327	



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-13	Date Collected : 02/12/20 12:29
Client ID : E-155-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 12:56
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200216a-14	Analyst : CW
Sample Amount : 15.45 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0374	0.00332	U
11104-28-2	Aroclor 1221	ND	0.0374	0.00375	U
11141-16-5	Aroclor 1232	ND	0.0374	0.00793	U
53469-21-9	Aroclor 1242	ND	0.0374	0.00504	U
12672-29-6	Aroclor 1248	ND	0.0374	0.00561	U
11097-69-1	Aroclor 1254	ND	0.0374	0.00409	U
11096-82-5	Aroclor 1260	0.102	0.0374	0.00691	
37324-23-5	Aroclor 1262	ND	0.0374	0.00475	U
11100-14-4	Aroclor 1268	ND	0.0374	0.00388	U
1336-36-3	PCBs, Total	0.102	0.0374	0.00332	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-15D	Date Collected : 02/12/20 13:14
Client ID : E-142-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 16:24
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 23200216a-32	Analyst : CW
Sample Amount : 15.34 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.810	0.0719	U
11104-28-2	Aroclor 1221	ND	0.810	0.0811	U
11141-16-5	Aroclor 1232	ND	0.810	0.172	U
53469-21-9	Aroclor 1242	ND	0.810	0.109	U
12672-29-6	Aroclor 1248	ND	0.810	0.121	U
11097-69-1	Aroclor 1254	ND	0.810	0.0886	U
37324-23-5	Aroclor 1262	ND	0.810	0.103	U
11100-14-4	Aroclor 1268	ND	0.810	0.0839	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006460-15D Client ID : E-142-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200216a-32 Sample Amount : 15.34 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006460 Project Number : 277710568.0008.06 Date Collected : 02/12/20 13:14 Date Received : 02/12/20 Date Analyzed : 02/16/20 16:24 Date Extracted : 02/14/20 Dilution Factor : 20 Analyst : CW Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	4.79	0.810	0.150	
1336-36-3	PCBs, Total	4.79	0.810	0.0719	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-16	Date Collected : 02/12/20 13:33
Client ID : E-142-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 13:10
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200216a-16	Analyst : CW
Sample Amount : 15.44 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 79
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0410	0.00364	U
11104-28-2	Aroclor 1221	ND	0.0410	0.00411	U
11141-16-5	Aroclor 1232	ND	0.0410	0.00870	U
53469-21-9	Aroclor 1242	ND	0.0410	0.00553	U
12672-29-6	Aroclor 1248	ND	0.0410	0.00616	U
11097-69-1	Aroclor 1254	ND	0.0410	0.00449	U
37324-23-5	Aroclor 1262	ND	0.0410	0.00521	U
11100-14-4	Aroclor 1268	ND	0.0410	0.00425	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006460-16 Client ID : E-142-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200216a-16 Sample Amount : 15.44 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006460 Project Number : 277710568.0008.06 Date Collected : 02/12/20 13:33 Date Received : 02/12/20 Date Analyzed : 02/16/20 13:10 Date Extracted : 02/14/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 79 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.246	0.0410	0.00758	
1336-36-3	PCBs, Total	0.246	0.0410	0.00364	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006460-17 Client ID : E-142-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200216a-17 Sample Amount : 15.53 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006460 Project Number : 277710568.0008.06 Date Collected : 02/12/20 13:37 Date Received : 02/12/20 Date Analyzed : 02/16/20 13:16 Date Extracted : 02/14/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-Pesticide %Solids : 79 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0409	0.00363	U
11104-28-2	Aroclor 1221	ND	0.0409	0.00410	U
11141-16-5	Aroclor 1232	ND	0.0409	0.00867	U
53469-21-9	Aroclor 1242	ND	0.0409	0.00551	U
12672-29-6	Aroclor 1248	ND	0.0409	0.00614	U
11097-69-1	Aroclor 1254	ND	0.0409	0.00448	U
11096-82-5	Aroclor 1260	ND	0.0409	0.00756	U
37324-23-5	Aroclor 1262	ND	0.0409	0.00520	U
11100-14-4	Aroclor 1268	ND	0.0409	0.00424	U
1336-36-3	PCBs, Total	ND	0.0409	0.00363	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-18	Date Collected : 02/12/20 13:46
Client ID : E-142-4.0-4.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 13:23
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200216a-18	Analyst : CW
Sample Amount : 15.73 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0369	0.00328	U
11104-28-2	Aroclor 1221	ND	0.0369	0.00370	U
11141-16-5	Aroclor 1232	ND	0.0369	0.00783	U
53469-21-9	Aroclor 1242	ND	0.0369	0.00498	U
12672-29-6	Aroclor 1248	ND	0.0369	0.00554	U
11097-69-1	Aroclor 1254	ND	0.0369	0.00404	U
37324-23-5	Aroclor 1262	ND	0.0369	0.00469	U
11100-14-4	Aroclor 1268	ND	0.0369	0.00382	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006460-18 Client ID : E-142-4.0-4.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200216a-18 Sample Amount : 15.73 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006460 Project Number : 277710568.0008.06 Date Collected : 02/12/20 13:46 Date Received : 02/12/20 Date Analyzed : 02/16/20 13:23 Date Extracted : 02/14/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 86 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0714	0.0369	0.00682	
1336-36-3	PCBs, Total	0.0714	0.0369	0.00328	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-19	Date Collected : 02/12/20 14:02
Client ID : E-145-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 13:30
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200216a-19	Analyst : CW
Sample Amount : 15.01 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 84
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0399	0.00354	U
11104-28-2	Aroclor 1221	ND	0.0399	0.00400	U
11141-16-5	Aroclor 1232	ND	0.0399	0.00846	U
53469-21-9	Aroclor 1242	ND	0.0399	0.00538	U
12672-29-6	Aroclor 1248	ND	0.0399	0.00598	U
11097-69-1	Aroclor 1254	ND	0.0399	0.00436	U
11096-82-5	Aroclor 1260	0.326	0.0399	0.00737	
37324-23-5	Aroclor 1262	ND	0.0399	0.00507	U
11100-14-4	Aroclor 1268	ND	0.0399	0.00413	U
1336-36-3	PCBs, Total	0.326	0.0399	0.00354	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006460-20	Date Collected	: 02/12/20 14:09
Client ID	: E-145-2.0-2.5	Date Received	: 02/12/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/16/20 15:48
Sample Matrix	: SOIL	Date Extracted	: 02/14/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19200216a-29	Analyst	: JM
Sample Amount	: 15.71 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 94
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0338	0.00300	U
11104-28-2	Aroclor 1221	ND	0.0338	0.00339	U
11141-16-5	Aroclor 1232	ND	0.0338	0.00717	U
53469-21-9	Aroclor 1242	ND	0.0338	0.00456	U
12672-29-6	Aroclor 1248	ND	0.0338	0.00507	U
11097-69-1	Aroclor 1254	ND	0.0338	0.00370	U
11096-82-5	Aroclor 1260	0.0900	0.0338	0.00625	
37324-23-5	Aroclor 1262	ND	0.0338	0.00430	U
11100-14-4	Aroclor 1268	ND	0.0338	0.00350	U
1336-36-3	PCBs, Total	0.0900	0.0338	0.00300	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006460-22	Date Collected	: 02/12/20 14:51
Client ID	: E-144-0.5-1.0	Date Received	: 02/12/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/16/20 15:55
Sample Matrix	: SOIL	Date Extracted	: 02/14/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19200216a-30	Analyst	: JM
Sample Amount	: 15.44 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 78
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0413	0.00367	U
11104-28-2	Aroclor 1221	ND	0.0413	0.00414	U
11141-16-5	Aroclor 1232	ND	0.0413	0.00876	U
53469-21-9	Aroclor 1242	ND	0.0413	0.00557	U
12672-29-6	Aroclor 1248	ND	0.0413	0.00620	U
11097-69-1	Aroclor 1254	ND	0.0413	0.00452	U
11096-82-5	Aroclor 1260	0.144	0.0413	0.00763	
37324-23-5	Aroclor 1262	ND	0.0413	0.00524	U
11100-14-4	Aroclor 1268	ND	0.0413	0.00428	U
1336-36-3	PCBs, Total	0.144	0.0413	0.00367	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-23	Date Collected : 02/12/20 15:01
Client ID : E-144-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 14:17
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200216a-26	Analyst : CW
Sample Amount : 15.91 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0354	0.00314	U
11104-28-2	Aroclor 1221	ND	0.0354	0.00354	U
11141-16-5	Aroclor 1232	ND	0.0354	0.00749	U
53469-21-9	Aroclor 1242	ND	0.0354	0.00476	U
12672-29-6	Aroclor 1248	ND	0.0354	0.00530	U
11097-69-1	Aroclor 1254	ND	0.0354	0.00387	U
11096-82-5	Aroclor 1260	0.00692	0.0354	0.00653	J
37324-23-5	Aroclor 1262	ND	0.0354	0.00449	U
11100-14-4	Aroclor 1268	ND	0.0354	0.00366	U
1336-36-3	PCBs, Total	0.00692	0.0354	0.00314	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-25	Date Collected : 02/12/20 15:36
Client ID : E-143-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/17/20 13:35
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 13200217a-09	Analyst : AWS
Sample Amount : 15.82 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 79
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0400	0.00356	U
11104-28-2	Aroclor 1221	ND	0.0400	0.00401	U
11141-16-5	Aroclor 1232	ND	0.0400	0.00849	U
53469-21-9	Aroclor 1242	ND	0.0400	0.00540	U
12672-29-6	Aroclor 1248	ND	0.0400	0.00601	U
11097-69-1	Aroclor 1254	ND	0.0400	0.00438	U
37324-23-5	Aroclor 1262	ND	0.0400	0.00509	U
11100-14-4	Aroclor 1268	ND	0.0400	0.00415	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006460-25 Client ID : E-143-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200217a-09 Sample Amount : 15.82 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006460 Project Number : 277710568.0008.06 Date Collected : 02/12/20 15:36 Date Received : 02/12/20 Date Analyzed : 02/17/20 13:35 Date Extracted : 02/16/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST13 GC Column : CLP-PesticideII %Solids : 79 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.265	0.0400	0.00740	
1336-36-3	PCBs, Total	0.265	0.0400	0.00356	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-26	Date Collected : 02/12/20 15:50
Client ID : E-143-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/16/20 14:31
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200216a-28	Analyst : CW
Sample Amount : 15.74 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0357	0.00317	U
11104-28-2	Aroclor 1221	ND	0.0357	0.00358	U
11141-16-5	Aroclor 1232	ND	0.0357	0.00757	U
53469-21-9	Aroclor 1242	ND	0.0357	0.00481	U
12672-29-6	Aroclor 1248	ND	0.0357	0.00535	U
11097-69-1	Aroclor 1254	ND	0.0357	0.00390	U
11096-82-5	Aroclor 1260	0.168	0.0357	0.00660	
37324-23-5	Aroclor 1262	ND	0.0357	0.00453	U
11100-14-4	Aroclor 1268	ND	0.0357	0.00370	U
1336-36-3	PCBs, Total	0.168	0.0357	0.00317	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006460-28	Date Collected	: 02/12/20 00:00
Client ID	: X-5-02122020	Date Received	: 02/12/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/17/20 23:28
Sample Matrix	: SOIL	Date Extracted	: 02/15/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 23200217b-31	Analyst	: HT
Sample Amount	: 15.63 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 79
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0406	0.00360	U
11104-28-2	Aroclor 1221	ND	0.0406	0.00407	U
11141-16-5	Aroclor 1232	ND	0.0406	0.00861	U
53469-21-9	Aroclor 1242	ND	0.0406	0.00547	U
12672-29-6	Aroclor 1248	ND	0.0406	0.00609	U
11097-69-1	Aroclor 1254	ND	0.0406	0.00444	U
37324-23-5	Aroclor 1262	ND	0.0406	0.00516	U
11100-14-4	Aroclor 1268	ND	0.0406	0.00420	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006460-28 Client ID : X-5-02122020 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200217b-31 Sample Amount : 15.63 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006460 Project Number : 277710568.0008.06 Date Collected : 02/12/20 00:00 Date Received : 02/12/20 Date Analyzed : 02/17/20 23:28 Date Extracted : 02/15/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 79 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.335	0.0406	0.00750	
1336-36-3	PCBs, Total	0.335	0.0406	0.00360	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-29	Date Collected : 02/12/20 17:30
Client ID : EB-5-02122020	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 12:10
Sample Matrix : WATER	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200215a-09	Analyst : HT
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: WG1340470-1	Date Collected	: NA
Client ID	: WG1340470-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/13/20 20:15
Sample Matrix	: WATER	Date Extracted	: 02/13/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: P2200213a-42	Analyst	: HT
Sample Amount	: 140 ml	Instrument ID	: PEST2
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1340879-1	Date Collected : NA
Client ID : WG1340879-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/16/20 13:37
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200216a-20	Analyst : CW
Sample Amount : 15.63 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0320	0.00284	U
11104-28-2	Aroclor 1221	ND	0.0320	0.00320	U
11141-16-5	Aroclor 1232	ND	0.0320	0.00678	U
53469-21-9	Aroclor 1242	ND	0.0320	0.00431	U
12672-29-6	Aroclor 1248	ND	0.0320	0.00480	U
11097-69-1	Aroclor 1254	ND	0.0320	0.00350	U
11096-82-5	Aroclor 1260	ND	0.0320	0.00591	U
37324-23-5	Aroclor 1262	ND	0.0320	0.00406	U
11100-14-4	Aroclor 1268	ND	0.0320	0.00331	U
1336-36-3	PCBs, Total	ND	0.0320	0.00284	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1340879-5D	Date Collected : 02/12/20 09:18
Client ID : E-152-0.5-1.0DUP	Date Received : 02/12/20
Sample Location :	Date Analyzed : 02/16/20 16:10
Sample Matrix : SOIL	Date Extracted : 02/14/20
Analytical Method : 1,8082A	Dilution Factor : 100
Lab File ID : 23200216a-30	Analyst : CW
Sample Amount : 15.13 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 80
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	4.16	0.369	U
11104-28-2	Aroclor 1221	ND	4.16	0.416	U
11141-16-5	Aroclor 1232	ND	4.16	0.881	U
53469-21-9	Aroclor 1242	ND	4.16	0.560	U
12672-29-6	Aroclor 1248	ND	4.16	0.624	U
11097-69-1	Aroclor 1254	ND	4.16	0.455	U
37324-23-5	Aroclor 1262	ND	4.16	0.528	U
11100-14-4	Aroclor 1268	ND	4.16	0.431	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : WG1340879-5D Client ID : E-152-0.5-1.0DUP Sample Location : Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200216a-30 Sample Amount : 15.13 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006460 Project Number : 277710568.0008.06 Date Collected : 02/12/20 09:18 Date Received : 02/12/20 Date Analyzed : 02/16/20 16:10 Date Extracted : 02/14/20 Dilution Factor : 100 Analyst : CW Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 80 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	31.8	4.16	0.768	
1336-36-3	PCBs, Total	31.8	4.16	0.369	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: WG1341043-1	Date Collected	: NA
Client ID	: WG1341043-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/15/20 11:52
Sample Matrix	: SOIL	Date Extracted	: 02/15/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200215a-03	Analyst	: HT
Sample Amount	: 15.39 g	Instrument ID	: PEST13
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0325	0.00288	U
11104-28-2	Aroclor 1221	ND	0.0325	0.00326	U
11141-16-5	Aroclor 1232	ND	0.0325	0.00689	U
53469-21-9	Aroclor 1242	ND	0.0325	0.00438	U
12672-29-6	Aroclor 1248	ND	0.0325	0.00487	U
11097-69-1	Aroclor 1254	ND	0.0325	0.00355	U
11096-82-5	Aroclor 1260	ND	0.0325	0.00600	U
37324-23-5	Aroclor 1262	ND	0.0325	0.00413	U
11100-14-4	Aroclor 1268	ND	0.0325	0.00336	U
1336-36-3	PCBs, Total	ND	0.0325	0.00288	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1341202-1	Date Collected : NA
Client ID : WG1341202-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/17/20 12:22
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 13200217a-03	Analyst : AWS
Sample Amount : 15.09 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0331	0.00294	U
11104-28-2	Aroclor 1221	ND	0.0331	0.00332	U
11141-16-5	Aroclor 1232	ND	0.0331	0.00702	U
53469-21-9	Aroclor 1242	ND	0.0331	0.00447	U
11097-69-1	Aroclor 1254	ND	0.0331	0.00362	U
11096-82-5	Aroclor 1260	ND	0.0331	0.00612	U
37324-23-5	Aroclor 1262	ND	0.0331	0.00421	U
11100-14-4	Aroclor 1268	ND	0.0331	0.00343	U
1336-36-3	PCBs, Total	0.00550	0.0331	0.00294	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : WG1341202-1 Client ID : WG1341202-1BLANK Sample Location : Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200217a-03 Sample Amount : 15.09 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006460 Project Number : 277710568.0008.06 Date Collected : NA Date Received : NA Date Analyzed : 02/17/20 12:22 Date Extracted : 02/16/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST13 GC Column : CLP-PesticideII %Solids : NA Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12672-29-6	Aroclor 1248	0.00550	0.0331	0.00497	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1343647-1	Date Collected : NA
Client ID : WG1343647-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/24/20 23:45
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200224a-62	Analyst : AWS
Sample Amount : 15.32 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0326	0.00290	U
11104-28-2	Aroclor 1221	ND	0.0326	0.00327	U
11141-16-5	Aroclor 1232	ND	0.0326	0.00692	U
53469-21-9	Aroclor 1242	ND	0.0326	0.00440	U
12672-29-6	Aroclor 1248	ND	0.0326	0.00490	U
11097-69-1	Aroclor 1254	ND	0.0326	0.00357	U
11096-82-5	Aroclor 1260	ND	0.0326	0.00603	U
37324-23-5	Aroclor 1262	ND	0.0326	0.00414	U
11100-14-4	Aroclor 1268	ND	0.0326	0.00338	U
1336-36-3	PCBs, Total	ND	0.0326	0.00290	U



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1340470-1	Lab File ID : P2200213a-42
Matrix : WATER	Extraction Date : 02/13/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/13/20 20:15	Analysis Date (2) : 02/13/20 20:15
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1340470-2LCS	WG1340470-2	02/13/20 20:29	02/13/20 20:29
WG1340470-3LCSD	WG1340470-3	02/13/20 20:43	02/13/20 20:43
EB-5-02122020	L2006460-29	02/15/20 12:10	02/15/20 12:10



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1341043-1	Lab File ID : 13200215a-03
Matrix : SOIL	Extraction Date : 02/15/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/15/20 11:52	Analysis Date (2) : 02/15/20 11:52
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1341043-2LCS	WG1341043-2	02/15/20 12:04	02/15/20 12:04
WG1341043-3LCSD	WG1341043-3	02/15/20 12:17	02/15/20 12:17
X-5-02122020	L2006460-28	02/17/20 23:28	02/17/20 23:28



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1340879-1	Lab File ID : 23200216a-20
Matrix : SOIL	Extraction Date : 02/14/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/16/20 13:37	Analysis Date (2) : 02/16/20 13:37
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
E-149-0.5-1.0	L2006460-04	02/16/20 12:09	02/16/20 12:09
E-149-2.0-2.5	L2006460-05	02/16/20 12:15	02/16/20 12:15
E-147-0.5-1.0	L2006460-07	02/16/20 12:22	02/16/20 12:22
E-147-2.0-2.5	L2006460-08	02/16/20 12:29	02/16/20 12:29
E-153-0.5-1.0	L2006460-10	02/16/20 12:36	02/16/20 12:36
E-153-2.0-2.5	L2006460-11	02/16/20 12:43	02/16/20 12:43
E-155-0.5-1.0	L2006460-12	02/16/20 12:49	02/16/20 12:49
E-155-2.0-2.5	L2006460-13	02/16/20 12:56	02/16/20 12:56
E-142-2.0-2.5	L2006460-16	02/16/20 13:10	02/16/20 13:10
E-142-3.0-3.5	L2006460-17	02/16/20 13:16	02/16/20 13:16
E-142-4.0-4.5	L2006460-18	02/16/20 13:23	02/16/20 13:23
E-145-0.5-1.0	L2006460-19	02/16/20 13:30	02/16/20 13:30
WG1340879-2LCS	WG1340879-2	02/16/20 13:44	02/16/20 13:44
WG1340879-3LCSD	WG1340879-3	02/16/20 13:50	02/16/20 13:50
E-144-2.0-2.5	L2006460-23	02/16/20 14:17	02/16/20 14:17
E-143-2.0-2.5	L2006460-26	02/16/20 14:31	02/16/20 14:31
E-145-2.0-2.5	L2006460-20	02/16/20 15:48	02/16/20 15:48
E-144-0.5-1.0	L2006460-22	02/16/20 15:55	02/16/20 15:55
E-152-0.5-1.0	L2006460-01D	02/16/20 16:03	02/16/20 16:03
E-152-0.5-1.0DUP	WG1340879-5D	02/16/20 16:10	02/16/20 16:10
E-152-2.0-2.5	L2006460-02D	02/16/20 16:17	02/16/20 16:17
E-142-0.5-1.0	L2006460-15D	02/16/20 16:24	02/16/20 16:24



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1341202-1	Lab File ID : 13200217a-03
Matrix : SOIL	Extraction Date : 02/16/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/17/20 12:22	Analysis Date (2) : 02/17/20 12:22
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1341202-2LCS	WG1341202-2	02/17/20 12:34	02/17/20 12:34
WG1341202-3LCSD	WG1341202-3	02/17/20 12:46	02/17/20 12:46
E-143-0.5-1.0	L2006460-25	02/17/20 13:35	02/17/20 13:35



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1343647-1	Lab File ID : 23200224a-62
Matrix : SOIL	Extraction Date : 02/24/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/24/20 23:45	Analysis Date (2) : 02/24/20 23:45
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
E-152-4.0-4.5	L2006460-03	02/24/20 22:43	02/24/20 22:43
WG1343647-2LCS	WG1343647-2	02/24/20 23:51	02/24/20 23:51
WG1343647-3LCSD	WG1343647-3	02/24/20 23:58	02/24/20 23:58



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVIIi-17.d 2 =P2190806LVIIi-03.d 3 =P2190806LVIIi-04.d 4 =P2190806LVIIi-08.d
 5 =P2190806LVIIi-06.d 6 =P2190806LVIIi-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09	

Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.008	1.056	1.128	1.166	1.076	1.175	1.101	5.98
3) s Decachlorobip	0.843	0.811	0.866	0.872	0.822	0.885	0.850	3.47
4) 11 1016-1	0.020	0.019	0.019	0.018	0.016	0.017	0.018	9.50
5) 11 1016-2	0.045	0.042	0.042	0.040	0.035	0.038	0.040	9.15
6) 11 1016-3	0.084	0.083	0.088	0.089	0.082	0.087	0.086	3.55
7) 11 1016-4	0.037	0.037	0.037	0.036	0.033	0.035	0.036	4.48
8) 11 1016-5	0.039	0.039	0.040	0.039	0.037	0.040	0.039	3.28
9) 12 1260-1	0.060	0.057	0.059	0.059	0.055	0.059	0.058	3.19
10) 12 1260-2	0.087	0.085	0.088	0.089	0.083	0.089	0.087	2.80
11) 12 1260-3	0.058	0.054	0.057	0.057	0.053	0.057	0.056	3.34
12) 12 1260-4	0.118	0.118	0.126	0.133	0.118	0.133	0.124	5.92
13) 12 1260-5	0.080	0.081	0.084	0.086	0.081	0.089	0.083	4.14
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.012	0.012	0.011	0.011	0.010	0.010	0.011	8.71
16) 13 1221-3	0.008	0.007	0.007	0.007	0.006	0.006	0.007	11.17
17) 13 1221-4	0.031	0.028	0.026	0.027	0.024	0.021	0.026	13.29
18) 14 1254-1	0.047	0.042	0.041	0.044	0.041	0.039	0.042	7.30
19) 14 1254-2	0.079	0.072	0.070	0.077	0.071	0.068	0.073	5.87
20) 14 1254-3	0.073	0.070	0.069	0.077	0.071	0.068	0.071	4.46
21) 14 1254-4	0.054	0.052	0.051	0.057	0.054	0.053	0.054	4.12
22) 14 1254-5	0.076	0.074	0.073	0.081	0.076	0.074	0.076	3.75
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.017	0.015	0.015	0.014	0.013	0.012	0.015	11.59
25) 16 1242-2	0.039	0.035	0.034	0.031	0.030	0.028	0.033	11.49
26) 16 1242-3	0.071	0.068	0.069	0.068	0.068	0.066	0.068	2.28
27) 16 1242-4	0.036	0.033	0.033	0.032	0.030	0.030	0.032	7.35
28) 16 1242-5	0.022	0.022	0.022	0.022	0.021	0.022	0.022	1.06
29) 19 1268-1	0.159	0.149	0.155	0.156	0.153	0.147	0.153	2.94
30) 19 1268-2	0.160	0.153	0.163	0.164	0.162	0.158	0.160	2.47
31) 19 1268-3	0.103	0.097	0.102	0.103	0.104	0.101	0.102	2.38
32) 19 1268-4	0.048	0.047	0.048	0.049	0.049	0.050	0.049	1.80
33) 19 1268-5	0.283	0.286	0.299	0.303	0.295	0.280	0.291	3.20
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.027	0.027	0.027	0.028	0.026	0.027	0.027	1.53
36) 17 1248-2	0.042	0.041	0.037	0.039	0.037	0.037	0.039	5.36



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09	

Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.063	0.061	0.060	0.059	0.057	0.057	0.060	4.17
38) 17 1248-4	0.046	0.049	0.049	0.052	0.050	0.051	0.050	3.90
39) 17 1248-5	0.047	0.050	0.046	0.047	0.045	0.045	0.047	3.61
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.022	0.021	0.020	0.019	0.017	0.017	0.019	10.32
42) 15 1232-2	0.022	0.020	0.019	0.018	0.017	0.017	0.019	10.86
43) 15 1232-3	0.038	0.039	0.039	0.038	0.038	0.039	0.039	0.99
44) 15 1232-4	0.017	0.018	0.017	0.016	0.015	0.016	0.017	5.41
45) 15 1232-5	0.010	0.011	0.011	0.011	0.011	0.012	0.011	4.58
46) 18 1262-1	0.055	0.054	0.054	0.054	0.054	0.055	0.054	1.12
47) 18 1262-2	0.070	0.069	0.070	0.069	0.069	0.070	0.069	0.80
48) 18 1262-3	0.061	0.060	0.062	0.062	0.062	0.063	0.062	1.70
49) 18 1262-4	0.118	0.115	0.118	0.120	0.118	0.118	0.118	1.36
50) 18 1262-5	0.034	0.037	0.038	0.038	0.038	0.040	0.038	5.27



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST13	Ical Ref	: ICAL16298
Calibration dates	: 11/14/19 02:11 11/14/19 13:09		

Signal #2 Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.923	1.003	1.045	1.067	0.995	1.068	1.017	5.47
3) s Decachlorobip	0.540	0.533	0.546	0.545	0.513	0.558	0.539	2.83
4) 11 1016-1	0.018	0.017	0.017	0.016	0.015	0.015	0.017	7.66
5) 11 1016-2	0.041	0.040	0.039	0.037	0.034	0.035	0.038	7.57
6) 11 1016-3	0.078	0.077	0.079	0.078	0.072	0.075	0.076	3.61
7) 11 1016-4	0.025	0.028	0.029	0.028	0.026	0.028	0.027	6.03
8) 11 1016-5	0.024	0.024	0.024	0.024	0.022	0.024	0.024	3.27
9) 12 1260-1	0.046	0.045	0.045	0.045	0.042	0.045	0.045	3.40
10) 12 1260-2	0.052	0.053	0.054	0.053	0.049	0.053	0.052	3.15
11) 12 1260-3	0.040	0.042	0.043	0.043	0.040	0.043	0.042	3.62
12) 12 1260-4	0.080	0.085	0.088	0.089	0.083	0.089	0.086	4.40
13) 12 1260-5	0.054	0.055	0.057	0.057	0.054	0.059	0.056	3.83
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.011	0.011	0.010	0.010	0.009	0.009	0.010	7.69
16) 13 1221-3	0.007	0.007	0.006	0.006	0.006	0.005	0.006	9.99
17) 13 1221-4	0.027	0.025	0.023	0.023	0.021	0.019	0.023	11.22
18) 14 1254-1	0.042	0.038	0.037	0.038	0.036	0.035	0.037	6.54
19) 14 1254-2	0.057	0.044	0.041	0.043	0.040	0.038	0.044	15.19
20) 14 1254-3	0.058	0.062	0.055	0.058	0.054	0.052	0.057	6.04
21) 14 1254-4	0.043	0.042	0.041	0.043	0.040	0.039	0.041	3.63
22) 14 1254-5	0.059	0.058	0.056	0.059	0.056	0.055	0.057	3.31
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.015	0.014	0.014	0.013	0.012	0.011	0.013	10.58
25) 16 1242-2	0.033	0.032	0.031	0.029	0.028	0.026	0.030	9.84
26) 16 1242-3	0.067	0.062	0.062	0.059	0.058	0.055	0.060	6.37
27) 16 1242-4	0.021	0.020	0.020	0.018	0.019	0.018	0.019	6.57
28) 16 1242-5	0.020	0.019	0.019	0.018	0.018	0.017	0.018	5.35
29) 19 1268-1	0.109	0.104	0.107	0.103	0.104	0.099	0.104	3.52
30) 19 1268-2	0.110	0.108	0.112	0.109	0.111	0.105	0.109	2.15
31) 19 1268-3	0.070	0.067	0.069	0.068	0.070	0.067	0.068	1.97
32) 19 1268-4	0.033	0.031	0.031	0.031	0.032	0.031	0.032	2.45
33) 19 1268-5	0.182	0.180	0.189	0.185	0.188	0.176	0.183	2.75
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.024	0.024	0.024	0.024	0.023	0.023	0.024	2.05
36) 17 1248-2	0.032	0.031	0.030	0.029	0.028	0.028	0.030	4.82



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09	

Signal #2 Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.037	0.037	0.036	0.036	0.035	0.035	0.036	2.53
38) 17 1248-4	0.040	0.041	0.040	0.040	0.039	0.039	0.040	1.71
39) 17 1248-5	0.046	0.046	0.044	0.044	0.044	0.044	0.045	2.11
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.019	0.019	0.018	0.017	0.015	0.015	0.017	10.01
42) 15 1232-2	0.017	0.019	0.018	0.017	0.016	0.016	0.017	7.40
43) 15 1232-3	0.036	0.035	0.034	0.034	0.033	0.032	0.034	3.79
44) 15 1232-4	0.010	0.010	0.010	0.010	0.010	0.010	0.010	3.94
45) 15 1232-5	0.009	0.010	0.009	0.009	0.009	0.009	0.009	3.17
46) 18 1262-1	0.036	0.037	0.036	0.035	0.034	0.035	0.036	3.06
47) 18 1262-2	0.050	0.053	0.052	0.048	0.047	0.048	0.050	4.51
48) 18 1262-3	0.045	0.047	0.046	0.045	0.044	0.044	0.045	2.72
49) 18 1262-4	0.081	0.086	0.086	0.085	0.083	0.082	0.084	2.61
50) 18 1262-5	0.024	0.026	0.027	0.027	0.027	0.028	0.027	4.38



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.580	1.358	1.329	1.239	1.126	1.195	1.305	12.25
3) s Decachlorobiphenyl	1.366	1.092	1.055	0.972	0.874	0.920	1.047	16.84
4) 11 1016-1	0.030	0.027	0.026	0.023	0.020	0.021	0.025	15.05
5) 11 1016-2	0.063	0.058	0.056	0.049	0.043	0.045	0.052	14.74
6) 11 1016-3	0.132	0.115	0.110	0.100	0.090	0.094	0.107	14.46
7) 11 1016-4	0.058	0.050	0.047	0.042	0.037	0.038	0.045	17.00
8) 11 1016-5	0.057	0.052	0.050	0.045	0.039	0.040	0.047	14.50
9) 12 1260-1	0.082	0.071	0.068	0.061	0.055	0.057	0.066	15.59
10) 12 1260-2	0.123	0.106	0.102	0.092	0.084	0.087	0.099	14.62
11) 12 1260-3	0.078	0.071	0.066	0.060	0.054	0.058	0.064	14.14
12) 12 1260-4	0.160	0.144	0.139	0.128	0.118	0.124	0.136	11.47
13) 12 1260-5	0.093	0.111	0.107	0.097	0.089	0.091	0.098	9.07
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.020	0.017	0.015	0.015	0.013	0.012	0.015	17.65
16) 13 1221-3	0.011	0.011	0.010	0.010	0.008	0.008	0.010	13.69
17) 13 1221-4	0.042	0.038	0.034	0.033	0.029	0.027	0.034	16.48
18) 14 1254-1	0.062	0.055	0.049	0.047	0.042	0.040	0.049	16.73
19) 14 1254-2	0.106	0.096	0.086	0.083	0.073	0.071	0.086	15.76
20) 14 1254-3	0.110	0.090	0.082	0.080	0.072	0.070	0.084	17.30
21) 14 1254-4	0.083	0.072	0.065	0.063	0.057	0.055	0.066	15.49
22) 14 1254-5	0.118	0.101	0.092	0.089	0.079	0.077	0.093	16.35
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.025	0.022	0.021	0.018	0.017	0.015	0.020	18.24
25) 16 1242-2	0.055	0.048	0.044	0.039	0.036	0.033	0.042	18.86
26) 16 1242-3	0.111	0.093	0.087	0.077	0.075	0.070	0.086	17.57
27) 16 1242-4	0.050	0.043	0.041	0.037	0.035	0.031	0.039	16.54
28) 16 1242-5	0.037	0.031	0.030	0.026	0.025	0.023	0.029	17.46
29) 19 1268-1	0.229	0.190	0.181	0.166	0.163	0.151	0.180	15.35
30) 19 1268-2	0.231	0.194	0.186	0.168	0.166	0.153	0.183	15.09
31) 19 1268-3	0.160	0.133	0.126	0.115	0.113	0.105	0.125	15.67
32) 19 1268-4	0.089	0.068	0.065	0.059	0.057	0.053	0.065	19.71
33) 19 1268-5	0.421	0.356	0.348	0.321	0.319	0.290	0.343	13.13
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.043	0.039	0.036	0.033	0.030	0.029	0.035	16.12
36) 17 1248-2	0.049	0.048	0.044	0.039	0.036	0.034	0.042	14.96



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.078	0.073	0.065	0.060	0.058	0.070	16.34
38) 17 1248-4	0.071	0.067	0.061	0.057	0.052	0.050	0.060	13.60
39) 17 1248-5	0.062	0.061	0.055	0.049	0.046	0.044	0.053	14.64
40) i 3262_1br2nb	----- ISTD -----							
41) 15 1232-1	0.030	0.029	0.027	0.024	0.022	0.021	0.025	15.00
42) 15 1232-2	0.028	0.028	0.026	0.023	0.021	0.020	0.024	13.93
43) 15 1232-3	0.059	0.055	0.052	0.046	0.044	0.043	0.050	12.96
44) 15 1232-4	0.024	0.024	0.022	0.020	0.019	0.018	0.021	11.43
45) 15 1232-5	0.016	0.018	0.016	0.014	0.014	0.013	0.015	12.09
46) 18 1262-1	0.081	0.072	0.069	0.061	0.059	0.056	0.066	14.22
47) 18 1262-2	0.107	0.090	0.084	0.074	0.072	0.068	0.083	17.55
48) 18 1262-3	0.087	0.080	0.077	0.069	0.068	0.064	0.074	11.54
49) 18 1262-4	0.169	0.150	0.144	0.133	0.131	0.125	0.142	11.28
50) 18 1262-5	0.060	0.057	0.054	0.049	0.047	0.044	0.052	11.69



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.481	1.319	1.295	1.217	1.125	1.224	1.277	9.48
3) s Decachlorobip	1.275	1.122	1.094	1.019	0.936	1.017	1.077	10.84
4) 11 1016-1	0.028	0.025	0.025	0.022	0.020	0.021	0.023	13.02
5) 11 1016-2	0.056	0.057	0.056	0.048	0.043	0.045	0.051	11.93
6) 11 1016-3	0.116	0.106	0.108	0.098	0.089	0.096	0.102	9.45
7) 11 1016-4	0.046	0.044	0.045	0.039	0.034	0.036	0.041	11.95
8) 11 1016-5	0.036	0.036	0.035	0.032	0.028	0.030	0.033	10.17
9) 12 1260-1	0.075	0.071	0.070	0.065	0.059	0.063	0.067	9.23
10) 12 1260-2	0.090	0.082	0.082	0.076	0.069	0.074	0.079	9.36
11) 12 1260-3	0.075	0.074	0.072	0.066	0.061	0.065	0.069	8.28
12) 12 1260-4	0.167	0.150	0.147	0.138	0.128	0.139	0.145	9.27
13) 12 1260-5	0.113	0.106	0.104	0.097	0.088	0.095	0.101	8.80
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.016	0.014	0.014	0.012	0.011	0.014	11.49
16) 13 1221-3	0.009	0.010	0.009	0.009	0.008	0.007	0.009	11.04
17) 13 1221-4	0.034	0.035	0.032	0.033	0.029	0.027	0.031	10.09
18) 14 1254-1	0.064	0.056	0.053	0.052	0.047	0.045	0.053	12.85
19) 14 1254-2	0.071	0.066	0.062	0.060	0.054	0.051	0.061	12.28
20) 14 1254-3	0.103	0.088	0.081	0.082	0.074	0.072	0.083	13.26
21) 14 1254-4	0.074	0.065	0.060	0.060	0.054	0.052	0.061	12.82
22) 14 1254-5	0.116	0.099	0.091	0.092	0.082	0.079	0.093	14.34
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.021	0.019	0.017	0.016	0.015	0.018	12.72
25) 16 1242-2	0.048	0.044	0.042	0.039	0.035	0.033	0.040	13.60
26) 16 1242-3	0.098	0.087	0.083	0.076	0.072	0.069	0.081	13.09
27) 16 1242-4	0.031	0.029	0.028	0.026	0.024	0.023	0.027	11.68
28) 16 1242-5	0.032	0.031	0.029	0.026	0.024	0.023	0.028	13.65
29) 19 1268-1	0.223	0.199	0.188	0.180	0.173	0.166	0.188	10.92
30) 19 1268-2	0.221	0.216	0.191	0.181	0.175	0.167	0.192	11.50
31) 19 1268-3	0.155	0.135	0.129	0.123	0.119	0.114	0.129	11.34
32) 19 1268-4	0.076	0.071	0.067	0.063	0.059	0.057	0.065	10.84
33) 19 1268-5	0.427	0.373	0.365	0.355	0.344	0.324	0.365	9.61
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.034	0.032	0.029	0.029	0.033	12.92
36) 17 1248-2	0.047	0.044	0.041	0.038	0.036	0.034	0.040	12.71



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.056	0.052	0.049	0.045	0.044	0.051	10.97
38) 17 1248-4	0.061	0.063	0.058	0.054	0.051	0.050	0.056	9.27
39) 17 1248-5	0.069	0.070	0.064	0.060	0.057	0.056	0.063	9.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.027	0.025	0.023	0.021	0.021	0.024	13.92
42) 15 1232-2	0.030	0.026	0.026	0.023	0.022	0.021	0.024	13.66
43) 15 1232-3	0.052	0.051	0.048	0.044	0.042	0.041	0.046	10.00
44) 15 1232-4	0.015	0.015	0.015	0.014	0.014	0.013	0.014	7.89
45) 15 1232-5	0.016	0.015	0.015	0.014	0.014	0.013	0.014	8.16
46) 18 1262-1	0.060	0.060	0.058	0.053	0.053	0.050	0.055	7.71
47) 18 1262-2	0.090	0.087	0.082	0.075	0.074	0.071	0.080	9.98
48) 18 1262-3	0.082	0.080	0.080	0.072	0.072	0.068	0.076	7.32
49) 18 1262-4	0.160	0.150	0.149	0.138	0.138	0.132	0.144	6.99
50) 18 1262-5	0.058	0.059	0.054	0.050	0.048	0.047	0.053	10.11



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006460
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Ical Ref** : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.840	1.624	1.528	1.377	1.453	1.347	1.528	11.98
3) s Decachlorobiphenyl	1.781	1.325	1.193	1.042	1.073	0.983	*L	0.9974
4) 11 1016-1	0.036	0.031	0.030	0.026	0.026	0.023	0.029	16.24
5) 11 1016-2	0.082	0.069	0.065	0.055	0.055	0.049	0.062	19.00
6) 11 1016-3	0.149	0.129	0.121	0.107	0.110	0.100	0.119	15.01
7) 11 1016-4	0.061	0.057	0.054	0.046	0.048	0.043	0.052	13.27
8) 11 1016-5	0.068	0.058	0.056	0.049	0.050	0.044	0.054	15.63
9) 12 1260-1	0.102	0.082	0.076	0.066	0.067	0.061	0.076	19.85
10) 12 1260-2	0.154	0.126	0.116	0.101	0.103	0.093	0.115	19.31
11) 12 1260-3	0.090	0.078	0.073	0.064	0.065	0.059	0.072	15.91
12) 12 1260-4	0.200	0.162	0.150	0.135	0.141	0.131	0.153	16.62
13) 12 1260-5	0.104	0.088	0.082	0.072	0.074	0.068	0.082	16.17
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.023	0.018	0.017	0.015		0.019	15.21
16) 13 1221-2	0.010	0.014	0.011	0.010	0.010		0.011	17.65
17) 13 1221-3	0.047	0.053	0.043	0.037	0.034		0.043	18.02
18) 14 1254-1	0.074	0.078	0.060	0.051	0.048	0.041	*Q	0.9949
19) 14 1254-2	0.137	0.134	0.103	0.088	0.083	0.071	*Q	0.9953
20) 14 1254-3	0.121	0.125	0.097	0.085	0.081	0.070	*Q	0.9960
21) 14 1254-4	0.096	0.101	0.079	0.069	0.065	0.056	*Q	0.9960
22) 14 1254-5	0.140	0.139	0.109	0.095	0.090	0.078	*Q	0.9963
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.030	0.025	0.025	0.023	0.020	0.018	0.024	17.63
25) 16 1242-2	0.133	0.107	0.105	0.094	0.084	0.079	0.100	19.34
26) 16 1242-3	0.042	0.046	0.046	0.043	0.037	0.035	0.042	11.40
27) 16 1242-4	0.063	0.050	0.050	0.046	0.040	0.037	0.048	19.65
28) 16 1242-5	0.042	0.035	0.035	0.032	0.028	0.026	0.033	17.07
29) 19 1268-1	0.321	0.224	0.215	0.197	0.180	0.172	*L	0.9970
30) 19 1268-2	0.313	0.225	0.216	0.198	0.180	0.172	*L	0.9969
31) 19 1268-3	0.215	0.156	0.149	0.136	0.123	0.117	*L	0.9964
32) 19 1268-4	0.108	0.082	0.079	0.071	0.064	0.060	*L	0.9950
33) 19 1268-5	0.618	0.415	0.402	0.377	0.347	0.333	*L	0.9980
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.041	0.039	0.036	0.029	0.033	0.027	0.034	16.16
36) 17 1248-2	0.057	0.056	0.049	0.041	0.044	0.038	0.048	16.77



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.082	0.072	0.062	0.066	0.058	0.071	16.56
38) 17 1248-4	0.068	0.069	0.060	0.051	0.055	0.049	0.059	14.86
39) 17 1248-5	0.061	0.066	0.057	0.047	0.051	0.045	0.055	14.70
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.040	0.036	0.036	0.030	0.027	0.025	0.032	18.07
42) 15 1232-2	0.041	0.035	0.035	0.030	0.027	0.024	0.032	19.55
43) 15 1232-3	0.077	0.067	0.066	0.056	0.052	0.048	0.061	17.45
44) 15 1232-4	0.034	0.029	0.029	0.026	0.023	0.021	0.027	16.56
45) 15 1232-5	0.024	0.020	0.020	0.018	0.016	0.015	0.019	17.06
46) 18 1262-1	0.112	0.096	0.090	0.076	0.070		*L	0.9920
47) 18 1262-2	0.173	0.126	0.113	0.093	0.087		*L	0.9923
48) 18 1262-3	0.127	0.104	0.098	0.082	0.077		*L	0.9932
49) 18 1262-4	0.241	0.191	0.180	0.156	0.150		*L	0.9966
50) 18 1262-5	0.086	0.073	0.069	0.059	0.055		*L	0.9931



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST23	Ical Ref	: ICAL16474
Calibration dates	: 01/29/20 18:49 01/30/20 22:53		

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.593	1.421	1.332	1.261	1.378	1.307	1.382	8.51
3) s Decachlorobip	1.681	1.312	1.188	1.080	1.145	1.076	1.247	18.42
4) 11 1016-1	0.031	0.028	0.027	0.024	0.025	0.022	0.026	11.60
5) 11 1016-2	0.072	0.064	0.059	0.053	0.055	0.050	0.059	13.55
6) 11 1016-3	0.138	0.118	0.114	0.104	0.111	0.103	0.115	11.12
7) 11 1016-4	0.055	0.047	0.045	0.041	0.043	0.039	0.045	12.58
8) 11 1016-5	0.045	0.038	0.038	0.035	0.036	0.033	0.038	11.16
9) 12 1260-1	0.099	0.079	0.076	0.068	0.071	0.066	0.077	15.38
10) 12 1260-2	0.117	0.095	0.088	0.080	0.084	0.079	0.091	15.45
11) 12 1260-3	0.096	0.080	0.076	0.069	0.073	0.068	0.077	13.68
12) 12 1260-4	0.193	0.162	0.153	0.142	0.154	0.147	0.158	11.41
13) 12 1260-5	0.137	0.116	0.111	0.101	0.107	0.101	0.112	12.25
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.021	0.016	0.015	0.014		0.017	16.92
16) 13 1221-2	0.013	0.013	0.011	0.010	0.009		0.011	15.13
17) 13 1221-3	0.047	0.048	0.039	0.035	0.033		0.040	17.44
18) 14 1254-1	0.074	0.079	0.063	0.056	0.054	0.050	*L	0.9924
19) 14 1254-2	0.092	0.094	0.072	0.064	0.062	0.057	*L	0.9920
20) 14 1254-3	0.114	0.120	0.096	0.085	0.084	0.079	*L	0.9945
21) 14 1254-4	0.087	0.092	0.072	0.065	0.064	0.060	*L	0.9940
22) 14 1254-5	0.124	0.132	0.105	0.094	0.092	0.086	*L	0.9940
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.027	0.022	0.023	0.021	0.019	0.017	0.022	16.41
25) 16 1242-2	0.063	0.051	0.051	0.048	0.042	0.039	0.049	17.68
26) 16 1242-3	0.123	0.095	0.096	0.090	0.082	0.079	0.094	16.48
27) 16 1242-4	0.042	0.033	0.033	0.033	0.028	0.026	0.033	16.88
28) 16 1242-5	0.039	0.032	0.033	0.031	0.028	0.026	0.031	13.91
29) 19 1268-1	0.301	0.217	0.218	0.205	0.193	0.190	*L	0.9992
30) 19 1268-2	0.287	0.215	0.217	0.203	0.190	0.187	*L	0.9989
31) 19 1268-3	0.200	0.149	0.147	0.138	0.129	0.127	*L	0.9989
32) 19 1268-4	0.110	0.077	0.077	0.073	0.066	0.064	*L	0.9978
33) 19 1268-5	0.589	0.413	0.413	0.403	0.382	0.382	*L	0.9997
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.032	0.029	0.031	0.028	0.033	13.55
36) 17 1248-2	0.050	0.048	0.043	0.037	0.040	0.035	0.042	13.89



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.061	0.059	0.053	0.045	0.049	0.044	0.052	13.69
38) 17 1248-4	0.065	0.064	0.058	0.050	0.056	0.050	0.057	11.36
39) 17 1248-5	0.072	0.072	0.064	0.056	0.061	0.056	0.063	11.30
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.039	0.033	0.032	0.028	0.026	0.024	0.030	18.61
42) 15 1232-2	0.039	0.034	0.034	0.029	0.027	0.025	0.031	17.27
43) 15 1232-3	0.071	0.059	0.060	0.053	0.050	0.047	0.057	15.18
44) 15 1232-4	0.023	0.020	0.019	0.017	0.016	0.015	0.018	15.25
45) 15 1232-5	0.021	0.019	0.018	0.017	0.016	0.015	0.017	13.01
46) 18 1262-1	0.090	0.077	0.074	0.064	0.060		0.073	16.26
47) 18 1262-2	0.127	0.106	0.102	0.088	0.085		0.102	16.62
48) 18 1262-3	0.121	0.101	0.097	0.085	0.081		0.097	16.30
49) 18 1262-4	0.219	0.185	0.178	0.159	0.156		0.179	14.09
50) 18 1262-5	0.079	0.068	0.068	0.058	0.056		0.066	14.02



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/13/20 16:22
Lab File ID : P2200213a-26	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1340357-5	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	109	0
2,4,5,6-Tetrachloro-m-xylene	16	15.587	-	2.6	20	107	0
Decachlorobiphenyl	32	27.971	-	12.6	20	101	0
1016-1	250	260.632	-	-4.3	20	118	-.02
1016-2	250	254.695	-	-1.9	20	112	0
1016-3	250	240.925	-	3.6	20	113	-.02
1016-4	250	263.107	-	-5.2	20	117	-.02
1016-5	250	274.581	-	-9.8	20	121	-.02
1260-1	250	239.127	-	4.3	20	109	-.02
1260-2	250	250.77	-	-0.3	20	113	-.02
1260-3	250	231.932	-	7.2	20	106	-.02
1260-4	250	244.883	-	2	20	111	0
1260-5	250	224.976	-	10	20	109	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/13/20 16:22
Lab File ID : P2200213a-26	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1340357-5	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	94	0
2,4,5,6-Tetrachloro-m-xylene	16	16.179	-	-1.1	20	100	0
Decachlorobiphenyl #2	32	33.258	-	-3.9	20	107	0
1016-1 #2	250	255.522	-	-2.2	20	103	-.02
1016-2 #2	250	273.884	-	-9.6	20	108	-.02
1016-3 #2	250	249.553	-	0.2	20	99	-.02
1016-4 #2	250	272.205	-	-8.9	20	104	-.03
1016-5 #2	250	251.427	-	-0.6	20	100	-.03
1260-1 #2	250	248.185	-	0.7	20	105	-.02
1260-2 #2	250	254.276	-	-1.7	20	106	-.02
1260-3 #2	250	259.671	-	-3.9	20	107	-.02
1260-4 #2	250	252.955	-	-1.2	20	103	-.02
1260-5 #2	250	239.116	-	4.4	20	103	-.03

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 02/15/20 09:48
Lab File ID : 13200215a-02	Init. Calib. Date(s) : 11/14/19 11/14/19
Sample No : WG1341111-1	Init. Calib. Times : 02:11 13:09
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	95	0
2,4,5,6-Tetrachloro-m-xylene	160	171.149	-	-7	20	96	0
Decachlorobiphenyl	320	309.673	-	3.2	20	90	0
1016-1	2500	2362.659	-	5.5	20	90	0
1016-2	2500	2632.995	-	-5.3	20	101	0
1016-3	2500	2665.146	-	-6.6	20	98	0
1016-4	2500	2558.753	-	-2.4	20	96	0
1016-5	2500	2462.098	-	1.5	20	93	0
1260-1	2500	2500.523	-	-0	20	94	0
1260-2	2500	2667.043	-	-6.7	20	99	0
1260-3	2500	2152.944	-	13.9	20	81	0
1260-4	2500	2092.87	-	16.3	20	74	0
1260-5	2500	2316.385	-	7.3	20	86	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 02/15/20 09:48
Lab File ID : 13200215a-02	Init. Calib. Date(s) : 11/14/19 11/14/19
Sample No : WG1341111-1	Init. Calib. Times : 02:11 13:09
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	131	0
2,4,5,6-Tetrachloro-m-xylene	160	186.196	-	-16.4	20	145	0
Decachlorobiphenyl #2	320	364.616	-	-13.9	20	148	0
1016-1 #2	2500	2645.025	-	-5.8	20	140	0
1016-2 #2	2500	2926.722	-	-17.1	20	155	0
1016-3 #2	2500	3000.324	-	-20	20	154	0
1016-4 #2	2500	3161.658	-	-26.5*	20	159	0
1016-5 #2	2500	3024.156	-	-21*	20	156	0
1260-1 #2	2500	3195.056	-	-27.8*	20	166	0
1260-2 #2	2500	2747	-	-9.9	20	142	0
1260-3 #2	2500	3009.984	-	-20.4*	20	154	0
1260-4 #2	2500	2997.604	-	-19.9	20	151	0
1260-5 #2	2500	2900.555	-	-16	20	148	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/15/20 10:22
Lab File ID : P2200215a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1341120-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	107	.02
2,4,5,6-Tetrachloro-m-xylene	16	15.832	-	1	20	106	.02
Decachlorobiphenyl	32	27.989	-	12.5	20	98	.02
1016-1	250	260.841	-	-4.3	20	115	.02
1016-2	250	257.848	-	-3.1	20	111	.02
1016-3	250	244.506	-	2.2	20	111	.02
1016-4	250	263.598	-	-5.4	20	114	.02
1016-5	250	267.466	-	-7	20	115	.03
1260-1	250	242.234	-	3.1	20	108	.02
1260-2	250	251.31	-	-0.5	20	110	.02
1260-3	250	236.406	-	5.4	20	105	.02
1260-4	250	248.645	-	0.5	20	110	.02
1260-5	250	225.295	-	9.9	20	106	.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/15/20 10:22
Lab File ID : P2200215a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1341120-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	92	.02
2,4,5,6-Tetrachloro-m-xylen	16	16.316	-	-2	20	99	.02
Decachlorobiphenyl #2	32	33.299	-	-4.1	20	106	.03
1016-1 #2	250	256.088	-	-2.4	20	101	.02
1016-2 #2	250	264.023	-	-5.6	20	103	.02
1016-3 #2	250	248.509	-	0.6	20	97	.02
1016-4 #2	250	262.429	-	-5	20	99	.02
1016-5 #2	250	255.535	-	-2.2	20	100	.02
1260-1 #2	250	249.647	-	0.1	20	104	.02
1260-2 #2	250	259.095	-	-3.6	20	106	.02
1260-3 #2	250	259.186	-	-3.7	20	105	.02
1260-4 #2	250	259.732	-	-3.9	20	104	.02
1260-5 #2	250	240.068	-	4	20	101	.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/16/20 09:39
Lab File ID : 23200216a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1341233-1	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	95	0
2,4,5,6-Tetrachloro-m-xylene	160	144.236	-	9.9	15	95	0
Decachlorobiphenyl	320	265.444	-	17*	15	79	.01
1016-1	2500	2337.39	-	6.5	15	97	0
1016-2	2500	2260.907	-	9.6	15	97	0
1016-3	2500	2228.146	-	10.9	15	94	0
1016-4	2500	2236.716	-	10.5	15	95	0
1016-5	2500	2274.687	-	9	15	94	0
1260-1	2500	2093.591	-	16.3*	15	91	0
1260-2	2500	2075.808	-	17*	15	90	0
1260-3	2500	2148.081	-	14.1	15	91	0
1260-4	2500	2007.998	-	19.7*	15	86	0
1260-5	2500	1966.174	-	21.4*	15	84	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/16/20 09:39
Lab File ID : 23200216a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1341233-1	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	102	0
2,4,5,6-Tetrachloro-m-xylene	160	148.217	-	7.4	15	103	0
Decachlorobiphenyl #2	320	215.357	-	32.7*	15	79	0
1016-1 #2	2500	2417.606	-	3.3	15	106	0
1016-2 #2	2500	2373.738	-	5.1	15	107	0
1016-3 #2	2500	2292.404	-	8.3	15	103	0
1016-4 #2	2500	2311.652	-	7.5	15	103	0
1016-5 #2	2500	2291.667	-	8.3	15	101	0
1260-1 #2	2500	2036.191	-	18.6*	15	93	0
1260-2 #2	2500	2072.887	-	17.1*	15	95	0
1260-3 #2	2500	2025.425	-	19*	15	92	0
1260-4 #2	2500	1954.196	-	21.8*	15	89	0
1260-5 #2	2500	1944.628	-	22.2*	15	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/16/20 13:57
Lab File ID : 23200216a-23	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1341233-2	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	98	0
2,4,5,6-Tetrachloro-m-xylene	160	138.299	-	13.6	15	94	0
Decachlorobiphenyl	320	287.953	-	10	15	89	0
1016-1	2500	2262.397	-	9.5	15	97	0
1016-2	2500	2208.013	-	11.7	15	98	0
1016-3	2500	2213.151	-	11.5	15	97	0
1016-4	2500	2224.612	-	11	15	97	0
1016-5	2500	2237.882	-	10.5	15	96	0
1260-1	2500	2144.111	-	14.2	15	96	0
1260-2	2500	2133.768	-	14.6	15	95	0
1260-3	2500	2146.896	-	14.1	15	94	0
1260-4	2500	2111.642	-	15.5*	15	94	0
1260-5	2500	2107.376	-	15.7*	15	93	0
2154_1br2nb	250	250	-	0	15	104	0
4268_1br2nb	250	250	-	0	15	111	0
1248_1br2nb	250	250	-	0	15	97	0
3262_1br2nb	250	250	-	0	15	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/16/20 13:57
Lab File ID : 23200216a-23	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1341233-2	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	103	0
2,4,5,6-Tetrachloro-m-xyl	160	146.021	-	8.7	15	103	0
Decachlorobiphenyl	320	224.193	-	29.9*	15	83	0
1016-1	2500	2365.612	-	5.4	15	105	0
1016-2	2500	2328.254	-	6.9	15	106	0
1016-3	2500	2293.831	-	8.2	15	105	0
1016-4	2500	2311.536	-	7.5	15	104	0
1016-5	2500	2278.694	-	8.9	15	102	0
1260-1	2500	2090.857	-	16.4*	15	97	0
1260-2	2500	2150.951	-	14	15	100	0
1260-3	2500	2065.9	-	17.4*	15	95	0
1260-4	2500	2052.004	-	17.9*	15	94	0
1260-5	2500	2044.047	-	18.2*	15	94	0
2154_1br2nb	250	250	-	0	15	111	0
4268_1br2nb	250	250	-	0	15	116	0
1248_1br2nb	250	250	-	0	15	102	0
3262_1br2nb	250	250	-	0	15	107	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/16/20 14:06
Lab File ID : 19200216a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1341230-2	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	70	0
2,4,5,6-Tetrachloro-m-xylene	160	159.202	-	0.5	20	74	0
Decachlorobiphenyl	320	286.627	-	10.4	20	68	0
1016-1	2500	2471.893	-	1.1	20	74	0
1016-2	2500	2456.676	-	1.7	20	73	0
1016-3	2500	2470.86	-	1.2	20	74	0
1016-4	2500	2448.297	-	2.1	20	74	0
1016-5	2500	2491.217	-	0.4	20	73	0
1260-1	2500	2390.87	-	4.4	20	72	0
1260-2	2500	2427.511	-	2.9	20	73	0
1260-3	2500	2443.859	-	2.2	20	74	0
1260-4	2500	2488.453	-	0.5	20	74	0
1260-5	2500	2534.294	-	-1.4	20	72	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/16/20 14:06
Lab File ID : 19200216a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1341230-2	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	107	0
2,4,5,6-Tetrachloro-m-xylene	160	157.444	-	1.6	20	110	0
Decachlorobiphenyl #2	320	252.422	-	21.1*	20	89	0
1016-1 #2	2500	2493.408	-	0.3	20	112	0
1016-2 #2	2500	2474.975	-	1	20	113	0
1016-3 #2	2500	2504.332	-	-0.2	20	111	0
1016-4 #2	2500	2459.722	-	1.6	20	111	0
1016-5 #2	2500	2466.113	-	1.4	20	109	0
1260-1 #2	2500	2286.5	-	8.5	20	102	0
1260-2 #2	2500	2386.817	-	4.5	20	107	0
1260-3 #2	2500	2375.595	-	5	20	106	0
1260-4 #2	2500	2354.53	-	5.8	20	106	0
1260-5 #2	2500	2312.448	-	7.5	20	103	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 02/17/20 08:39
Lab File ID : 13200217a-02	Init. Calib. Date(s) : 11/14/19 11/14/19
Sample No : WG1341444-1	Init. Calib. Times : 02:11 13:09
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	108	0
2,4,5,6-Tetrachloro-m-xylene	160	165.995	-	-3.7	20	106	0
Decachlorobiphenyl	320	284.897	-	11	20	93	0
1016-1	2500	2341.288	-	6.3	20	101	0
1016-2	2500	2555.901	-	-2.2	20	111	0
1016-3	2500	2618.633	-	-4.7	20	109	0
1016-4	2500	2541.716	-	-1.7	20	109	0
1016-5	2500	2486.281	-	0.5	20	106	0
1260-1	2500	2406.827	-	3.7	20	102	0
1260-2	2500	2567.458	-	-2.7	20	108	0
1260-3	2500	2111.308	-	15.5	20	90	0
1260-4	2500	1979.28	-	20.8*	20	80	0
1260-5	2500	2218.54	-	11.3	20	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 02/17/20 08:39
Lab File ID : 13200217a-02	Init. Calib. Date(s) : 11/14/19 11/14/19
Sample No : WG1341444-1	Init. Calib. Times : 02:11 13:09
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	142	0
2,4,5,6-Tetrachloro-m-xylene	160	183.671	-	-14.8	20	156	0
Decachlorobiphenyl #2	320	360.152	-	-12.5	20	159	0
1016-1 #2	2500	2531.694	-	-1.3	20	145	0
1016-2 #2	2500	2900.758	-	-16	20	167	0
1016-3 #2	2500	3005.283	-	-20.2*	20	168	0
1016-4 #2	2500	3107.444	-	-24.3*	20	170	0
1016-5 #2	2500	3010.647	-	-20.4*	20	168	0
1260-1 #2	2500	3116.222	-	-24.6*	20	176	0
1260-2 #2	2500	2588.857	-	-3.6	20	145	0
1260-3 #2	2500	2920.578	-	-16.8	20	162	0
1260-4 #2	2500	2917.723	-	-16.7	20	160	0
1260-5 #2	2500	2908.788	-	-16.4	20	162	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/17/20 16:39
Lab File ID : 23200217b-03	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1341567-1	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	95	0
2,4,5,6-Tetrachloro-m-xylene	160	130.995	-	18.1*	15	86	0
Decachlorobiphenyl	320	292.976	-	8.4	15	88	0
1016-1	2500	2204.647	-	11.8	15	92	0
1016-2	2500	2085.988	-	16.6*	15	90	0
1016-3	2500	2130.625	-	14.8	15	91	0
1016-4	2500	2128.583	-	14.9	15	91	0
1016-5	2500	2238.978	-	10.4	15	93	0
1260-1	2500	2234.055	-	10.6	15	98	0
1260-2	2500	2135.829	-	14.6	15	93	0
1260-3	2500	2091.756	-	16.3*	15	89	0
1260-4	2500	2094.122	-	16.2*	15	91	0
1260-5	2500	2058.752	-	17.6*	15	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/17/20 16:39
Lab File ID : 23200217b-03	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1341567-1	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	107	0
2,4,5,6-Tetrachloro-m-xylene	160	135.494	-	15.3*	15	99	0
Decachlorobiphenyl #2	320	237.332	-	25.8*	15	92	0
1016-1 #2	2500	2205.856	-	11.8	15	102	0
1016-2 #2	2500	2154.891	-	13.8	15	102	0
1016-3 #2	2500	2129.272	-	14.8	15	101	0
1016-4 #2	2500	2132.966	-	14.7	15	100	0
1016-5 #2	2500	2075.166	-	17*	15	96	0
1260-1 #2	2500	2298.239	-	8.1	15	110	0
1260-2 #2	2500	2167.773	-	13.3	15	105	0
1260-3 #2	2500	2070.682	-	17.2*	15	99	0
1260-4 #2	2500	2051.302	-	17.9*	15	98	0
1260-5 #2	2500	2018.781	-	19.2*	15	96	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/24/20 20:26
Lab File ID : 23200224a-44	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1343753-3	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	86	0
2,4,5,6-Tetrachloro-m-xylene	160	148.622	-	7.1	15	88	0
Decachlorobiphenyl	320	346.06	-	-8.1	15	93	0
1016-1	2500	2478.223	-	0.9	15	93	0
1016-2	2500	2337.62	-	6.5	15	91	0
1016-3	2500	2356.907	-	5.7	15	91	0
1016-4	2500	2363.074	-	5.5	15	91	0
1016-5	2500	2381.39	-	4.7	15	90	0
1260-1	2500	2337.991	-	6.5	15	92	0
1260-2	2500	2337.019	-	6.5	15	92	0
1260-3	2500	2394.024	-	4.2	15	92	0
1260-4	2500	2386.035	-	4.6	15	93	0
1260-5	2500	2373.62	-	5.1	15	92	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/24/20 20:26
Lab File ID : 23200224a-44	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1343753-3	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	104	0
2,4,5,6-Tetrachloro-m-xylene	160	155.81	-	2.6	15	111	0
Decachlorobiphenyl #2	320	263.703	-	17.6*	15	99	0
1016-1 #2	2500	2609.105	-	-4.4	15	117	0
1016-2 #2	2500	2459.003	-	1.6	15	112	0
1016-3 #2	2500	2459.173	-	1.6	15	112	0
1016-4 #2	2500	2506.749	-	-0.3	15	114	0
1016-5 #2	2500	2534.343	-	-1.4	15	113	0
1260-1 #2	2500	2357.221	-	5.7	15	110	0
1260-2 #2	2500	2329.45	-	6.8	15	109	0
1260-3 #2	2500	2366.862	-	5.3	15	110	0
1260-4 #2	2500	2338.567	-	6.5	15	108	0
1260-5 #2	2500	2332.403	-	6.7	15	107	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006460
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279800-1	01/29/20 18:49
1242/1268 L2	R1279800-2	01/29/20 18:56
1242/1268 L3	R1279800-4	01/29/20 19:02
1242/1268 L4	R1279800-3	01/29/20 19:09
1242/1268 L5	R1279800-6	01/29/20 19:16
1242/1268 L6	R1279800-5	01/29/20 19:23
1232/1262 L1	R1279800-7	01/29/20 19:30
1232/1262 L2	R1279800-8	01/29/20 19:37
1232/1262 L3	R1279800-9	01/29/20 19:43
1232/1262 L4	R1279800-10	01/29/20 19:50
1232/1262 L5	R1279800-12	01/29/20 19:57
1232 L6	R1279800-11	01/29/20 20:04
1248 L1	R1279800-14	01/29/20 20:10
1248 L2	R1279800-13	01/29/20 20:17
1248 L3	R1279800-16	01/29/20 20:24
1248 L4	R1279800-15	01/29/20 20:31
1248 L5	R1279800-18	01/29/20 20:37
1248 L6	R1279800-17	01/29/20 20:44
1221/1254 L1	R1279800-19	01/29/20 20:51
1221/1254 L2	R1279800-20	01/29/20 20:58
1221/1254 L4	R1279800-22	01/29/20 21:11
1221/1254 L5	R1279800-23	01/29/20 21:18
1254 L6	R1279800-21	01/29/20 21:25
1016/1260 L1	R1279800-24	01/29/20 21:32
1016/1260 L2	R1279800-25	01/29/20 21:38
1016/1260 L3	R1279800-27	01/29/20 21:45
1016/1260 L4	R1279800-26	01/29/20 21:52
1016/1260 L5	R1279800-28	01/29/20 21:58
1016/1260 L6	R1279800-29	01/29/20 22:05
R1279800-30 ICV	R1279800-30	01/29/20 22:12
R1279800-31 ICV	R1279800-31	01/29/20 22:19
R1279800-33 ICV	R1279800-33	01/29/20 22:25
R1279800-32 ICV	R1279800-32	01/29/20 22:39
1221/1254 L3	R1279800-35	01/30/20 22:53
R1279800-34 ICV	R1279800-34	01/30/20 23:00
WG1341233-1 CCAL	WG1341233-1	02/16/20 09:39
E-149-0.5-1.0	L2006460-04	02/16/20 12:09
E-149-2.0-2.5	L2006460-05	02/16/20 12:15
E-147-0.5-1.0	L2006460-07	02/16/20 12:22
E-147-2.0-2.5	L2006460-08	02/16/20 12:29
E-153-0.5-1.0	L2006460-10	02/16/20 12:36
E-153-2.0-2.5	L2006460-11	02/16/20 12:43



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2006460
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST23 Initial Calib. Date(s) : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
E-155-0.5-1.0	L2006460-12	02/16/20 12:49
E-155-2.0-2.5	L2006460-13	02/16/20 12:56
E-142-2.0-2.5	L2006460-16	02/16/20 13:10
E-142-3.0-3.5	L2006460-17	02/16/20 13:16
E-142-4.0-4.5	L2006460-18	02/16/20 13:23
E-145-0.5-1.0	L2006460-19	02/16/20 13:30
WG1340879-1 BLANK	WG1340879-1	02/16/20 13:37
WG1340879-2 LCS	WG1340879-2	02/16/20 13:44
WG1340879-3 LCSD	WG1340879-3	02/16/20 13:50
WG1341233-2 CCAL	WG1341233-2	02/16/20 13:57
E-144-2.0-2.5	L2006460-23	02/16/20 14:17
E-143-2.0-2.5	L2006460-26	02/16/20 14:31
E-152-0.5-1.0	L2006460-01 D	02/16/20 16:03
E-152-0.5-1.0 DUP	WG1340879-5 D	02/16/20 16:10
E-152-2.0-2.5	L2006460-02 D	02/16/20 16:17
E-142-0.5-1.0	L2006460-15 D	02/16/20 16:24
WG1341567-1 CCAL	WG1341567-1	02/17/20 16:39
X-5-02122020	L2006460-28	02/17/20 23:28
WG1343753-3 CCAL	WG1343753-3	02/24/20 20:26
E-152-4.0-4.5	L2006460-03	02/24/20 22:43
WG1343647-1 BLANK	WG1343647-1	02/24/20 23:45
WG1343647-2 LCS	WG1343647-2	02/24/20 23:51
WG1343647-3 LCSD	WG1343647-3	02/24/20 23:58



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2006460
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1340357-5 CCAL	WG1340357-5	02/13/20 16:22
WG1340470-1 BLANK	WG1340470-1	02/13/20 20:15
WG1340470-2 LCS	WG1340470-2	02/13/20 20:29
WG1340470-3 LCSD	WG1340470-3	02/13/20 20:43
WG1341120-1 CCAL	WG1341120-1	02/15/20 10:22
EB-5-02122020	L2006460-29	02/15/20 12:10



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006460
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1258780-12	11/20/19 11:11
1242/1268 L2	R1258780-13	11/20/19 11:18
1242/1268 L3	R1258780-14	11/20/19 11:25
1242/1268 L4	R1258780-15	11/20/19 11:32
1242/1268 L5	R1258780-16	11/20/19 11:39
1242/1268 L6	R1258780-17	11/20/19 11:46
1232/1262 L1	R1258780-18	11/20/19 11:53
1232/1262 L2	R1258780-21	11/20/19 12:00
1232/1262 L3	R1258780-19	11/20/19 12:07
1232/1262 L4	R1258780-20	11/20/19 12:13
1232/1262 L5	R1258780-22	11/20/19 12:20
1232/1262 L6	R1258780-23	11/20/19 12:27
1221/1254 L1	R1258780-24	11/20/19 12:34
1221/1254 L2	R1258780-25	11/20/19 12:41
1221/1254 L3	R1258780-28	11/20/19 12:48
1221/1254 L4	R1258780-27	11/20/19 12:55
1221/1254 L5	R1258780-26	11/20/19 13:02
1221/1254 L6	R1258780-30	11/20/19 13:08
1016/1260 L1	R1258780-29	11/20/19 13:15
1016/1260 L2	R1258780-31	11/20/19 13:22
1016/1260 L3	R1258780-33	11/20/19 13:29
1016/1260 L4	R1258780-32	11/20/19 13:36
1016/1260 L5	R1258780-34	11/20/19 13:43
1016/1260 L6	R1258780-35	11/20/19 13:50
1248 L1	R1258780-1	11/20/19 13:57
1248 L2	R1258780-2	11/20/19 14:04
1248 L3	R1258780-3	11/20/19 14:11
1248 L4	R1258780-4	11/20/19 14:17
1248 L5	R1258780-5	11/20/19 14:24
1248 L6	R1258780-8	11/20/19 14:31
R1258780-7 ICV	R1258780-7	11/20/19 14:38
R1258780-6 ICV	R1258780-6	11/20/19 14:45
R1258780-10 ICV	R1258780-10	11/20/19 14:52
R1258780-9 ICV	R1258780-9	11/20/19 14:59
R1258780-11 ICV	R1258780-11	11/22/19 16:02
WG1341230-2 CCAL	WG1341230-2	02/16/20 14:06
E-145-2.0-2.5	L2006460-20	02/16/20 15:48
E-144-0.5-1.0	L2006460-22	02/16/20 15:55



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006460
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST13 **Initial Calib. Date(s)** : 11/14/19 11/14/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1254379-1	11/14/19 02:11
1242/1268 L2	R1254379-2	11/14/19 02:23
1242/1268 L3	R1254379-3	11/14/19 02:35
1242/1268 L4	R1254379-4	11/14/19 02:48
1242/1268 L5	R1254379-5	11/14/19 03:00
1242/1268 L6	R1254379-7	11/14/19 03:12
1332/1262 L1	R1254379-6	11/14/19 03:24
1332/1262 L2	R1254379-9	11/14/19 03:36
1332/1262 L3	R1254379-8	11/14/19 03:49
1332/1262 L4	R1254379-10	11/14/19 04:01
1332/1262 L5	R1254379-11	11/14/19 04:13
1332/1262 L6	R1254379-13	11/14/19 04:25
1248 L1	R1254379-12	11/14/19 04:37
1248 L2	R1254379-14	11/14/19 04:49
1248 L3	R1254379-15	11/14/19 05:01
1248 L4	R1254379-16	11/14/19 05:13
1248 L5	R1254379-17	11/14/19 05:26
1248 L6	R1254379-18	11/14/19 05:38
1221/1254 L1	R1254379-19	11/14/19 05:50
1221/1254 L2	R1254379-20	11/14/19 06:02
1221/1254 L3	R1254379-21	11/14/19 06:14
1221/1254 L4	R1254379-23	11/14/19 06:26
1221/1254 L5	R1254379-24	11/14/19 06:38
1221/1254 L6	R1254379-22	11/14/19 06:51
R1254379-25 ICV	R1254379-25	11/14/19 08:16
R1254379-27 ICV	R1254379-27	11/14/19 08:40
1016/1260 L1	R1254379-26	11/14/19 12:08
1016/1260 L2	R1254379-28	11/14/19 12:20
1016/1260 L3	R1254379-29	11/14/19 12:33
1016/1260 L4	R1254379-30	11/14/19 12:45
1016/1260 L5	R1254379-31	11/14/19 12:57
1016/1260 L6	R1254379-32	11/14/19 13:09
R1254379-34 ICV	R1254379-34	11/14/19 13:21
R1254379-33 ICV	R1254379-33	11/14/19 15:32
R1254379-35 ICV	R1254379-35	11/14/19 15:45
WG1341111-1 CCAL	WG1341111-1	02/15/20 09:48
WG1341043-1 BLANK	WG1341043-1	02/15/20 11:52
WG1341043-2 LCS	WG1341043-2	02/15/20 12:04
WG1341043-3 LCSD	WG1341043-3	02/15/20 12:17
WG1341444-1 CCAL	WG1341444-1	02/17/20 08:39
WG1341202-1 BLANK	WG1341202-1	02/17/20 12:22
WG1341202-2 LCS	WG1341202-2	02/17/20 12:34



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006460
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST13 **Initial Calib. Date(s)** : 11/14/19 11/14/19

Client ID	Lab ID	Date/Time Analyzed
WG1341202-3 LCSD	WG1341202-3	02/17/20 12:46
E-143-0.5-1.0	L2006460-25	02/17/20 13:35



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2006460
 Project Number: 277710568.0008.06
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-5-02122020 (L2006460-29)	73	73	67	79			0
WG1340470-1BLANK	79	76	75	87			0
WG1340470-2LCS	77	72	68	80			0
WG1340470-3LCSD	84	80	77	89			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2006460
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-152-0.5-1.0 (L2006460-01D)	0*	0*	0*	0*			4
E-152-2.0-2.5 (L2006460-02D)	43	44	47	45			0
E-152-4.0-4.5 (L2006460-03)	52	55	64	49			0
E-149-0.5-1.0 (L2006460-04)	35	35	36	29*			1
E-149-2.0-2.5 (L2006460-05)	39	42	43	33			0
E-147-0.5-1.0 (L2006460-07)	32	33	35	29*			1
E-147-2.0-2.5 (L2006460-08)	42	46	43	35			0
E-153-0.5-1.0 (L2006460-10)	42	45	44	37			0
E-153-2.0-2.5 (L2006460-11)	45	49	48	39			0
E-155-0.5-1.0 (L2006460-12)	38	41	51	40			0
E-155-2.0-2.5 (L2006460-13)	41	44	45	37			0
E-142-0.5-1.0 (L2006460-15D)	0*	0*	0*	0*			4
E-142-2.0-2.5 (L2006460-16)	34	37	36	29*			1
E-142-3.0-3.5 (L2006460-17)	39	42	43	35			0
E-142-4.0-4.5 (L2006460-18)	40	43	43	36			0
E-145-0.5-1.0 (L2006460-19)	39	42	43	34			0
E-145-2.0-2.5 (L2006460-20)	35	36	33	30			0
E-144-0.5-1.0 (L2006460-22)	33	32	30	27*			1
E-144-2.0-2.5 (L2006460-23)	35	38	39	31			0
E-143-0.5-1.0 (L2006460-25)	41	42	43	67			0
E-143-2.0-2.5 (L2006460-26)	32	34	37	30			0
X-5-02122020 (L2006460-28)	48	57	71	50			0
WG1340879-1BLANK	38	41	43	32			0
WG1340879-2LCS	43	47	46	35			0
WG1340879-3LCSD	39	42	44	35			0
E-152-0.5-1.0DUP	0*	0*	0*	0*			4
WG1341043-1BLANK	96	105	88	109			0
WG1341043-2LCS	105	113	96	118			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2006460
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
WG1341043-3LCSD	86	92	78	96			0
WG1341202-1BLANK	84	90	73	94			0
WG1341202-2LCS	85	91	75	95			0
WG1341202-3LCSD	85	91	77	93			0
WG1343647-1BLANK	67	74	84	67			0
WG1343647-2LCS	63	68	77	59			0
WG1343647-3LCSD	62	67	77	59			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Lab Duplicate Sample Summary

Form 3

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-152-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2006460-01	Analysis Date	: 02/16/20 16:03
Lab File ID	: 23200216a-29	DUP File ID	: 23200216a-30
Dup Sample ID	: WG1340879-5	DUP Analysis Date	: 02/16/20 16:10

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1016	ND	ND	NC	30
Aroclor 1221	ND	ND	NC	30
Aroclor 1232	ND	ND	NC	30
Aroclor 1242	ND	ND	NC	30
Aroclor 1248	ND	ND	NC	30
Aroclor 1254	ND	ND	NC	30
Aroclor 1262	ND	ND	NC	30
Aroclor 1268	ND	ND	NC	30



Lab Duplicate Sample Summary
Form 3
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-152-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2006460-01	Analysis Date	: 02/16/20 16:03
Lab File ID	: 23200216a-29	DUP File ID	: 23200216a-30
Dup Sample ID	: WG1340879-5	DUP Analysis Date	: 02/16/20 16:10

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1260	35.6	31.8	11	30
PCBs, Total	35.6	31.8	11	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2006460
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : WATER
 LCS Sample ID : WG1340470-2 Analysis Date : 02/13/20 20:29 File ID : P2200213a-43
 LCSD Sample ID : WG1340470-3 Analysis Date : 02/13/20 20:43 File ID : P2200213a-44

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	1.37	77	1.78	1.53	86	11	40-140	20
Aroclor 1260	1.78	1.14	64	1.78	1.27	71	11	40-140	20



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2006460
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1340879-2 Analysis Date : 02/16/20 13:44 File ID : 23200216a-21
 LCSD Sample ID : WG1340879-3 Analysis Date : 02/16/20 13:50 File ID : 23200216a-22

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.199	0.112	56	0.205	0.106	52	7	40-140	30
Aroclor 1260	0.199	0.102	51	0.205	0.0974	48	6	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2006460
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1341043-2 Analysis Date : 02/15/20 12:04 File ID : 13200215a-04
 LCSD Sample ID : WG1341043-3 Analysis Date : 02/15/20 12:17 File ID : 13200215a-05

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.208	0.229	110	0.198	0.175	88	22	40-140	30
Aroclor 1260	0.208	0.212	102	0.198	0.162	82	22	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2006460
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1341202-2 Analysis Date : 02/17/20 12:34 File ID : 13200217a-04
 LCSD Sample ID : WG1341202-3 Analysis Date : 02/17/20 12:46 File ID : 13200217a-05

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.206	0.167	81	0.206	0.168	82	1	40-140	30
Aroclor 1260	0.206	0.155	75	0.206	0.157	76	1	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2006460
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1343647-2 Analysis Date : 02/24/20 23:51 File ID : 23200224a-63
 LCSD Sample ID : WG1343647-3 Analysis Date : 02/24/20 23:58 File ID : 23200224a-64

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.201	0.177	88	0.204	0.180	88	0	40-140	30
Aroclor 1260	0.201	0.165	82	0.204	0.167	82	0	40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-01D	
Client ID : E-152-0.5-1.0	
Date Analyzed (1) : 02/16/20 16:03	Date Analyzed (2) : 02/16/20 16:03
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.30	2.22	2.32	32.5			
	2	2.42	2.34	2.44	36.9			
	COLUMN 1	3	2.71	2.63	2.73	33.7		
		4	2.85	2.77	2.87	36.		
		5	2.99	2.91	3.01	38.6	35.5	
COLUMN 2	1	2.80	2.73	2.83	32.			
	2	2.90	2.83	2.93	37.1			
	3	3.28	3.21	3.31	36.			
	4	3.41	3.34	3.44	36.3			
	5	3.60	3.53	3.63	36.4	35.6	0	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-02D	
Client ID : E-152-2.0-2.5	
Date Analyzed (1) : 02/16/20 16:17	Date Analyzed (2) : 02/16/20 16:17
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	1.53		
	2	2.39	2.34	2.44	1.92		
COLUMN 1	3	2.68	2.63	2.73	1.82		
	4	2.83	2.77	2.87	2.1		
	5	2.97	2.91	3.01	2.24	1.92	
COLUMN 2	1	2.79	2.73	2.83	1.63		
	2	2.88	2.83	2.93	1.99		
	3	3.26	3.21	3.31	1.99		
	4	3.39	3.34	3.44	2.06		
	5	3.59	3.53	3.63	2.08	1.95	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-03	
Client ID : E-152-4.0-4.5	
Date Analyzed (1) : 02/24/20 22:43	Date Analyzed (2) : 02/24/20 22:43
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.27	2.22	2.32	0.162			
	2	2.39	2.34	2.44	0.175			
	COLUMN 1	3	2.68	2.63	2.73	0.155		
		4	2.82	2.77	2.87	0.158		
		5	2.96	2.91	3.01	0.166	0.163	
COLUMN 2	1	2.72	2.67	2.77	0.157			
	2	2.82	2.77	2.87	0.172			
	3	3.19	3.14	3.24	0.16			
	4	3.32	3.27	3.37	0.152			
	5	3.52	3.47	3.57	0.152	0.158	3	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-04	
Client ID : E-149-0.5-1.0	
Date Analyzed (1) : 02/16/20 12:09	Date Analyzed (2) : 02/16/20 12:09
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.029		
	2	2.39	2.34	2.44	0.0391		
COLUMN 1	3	2.68	2.64	2.74	0.0335		
	4	2.83	2.78	2.88	0.04		
	5	2.97	2.92	3.02	0.039	0.0361J	
COLUMN 2	1	2.79	2.74	2.84	0.0273		
	2	2.89	2.84	2.94	0.0384		
	3	3.26	3.21	3.31	0.0266		
	4	3.39	3.34	3.44	0.0354		
	5	3.59	3.54	3.64	0.0356	0.0327J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-05	
Client ID : E-149-2.0-2.5	
Date Analyzed (1) : 02/16/20 12:15	Date Analyzed (2) : 02/16/20 12:15
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.00759			
	2	2.39	2.34	2.44	0.0088			
COLUMN 1	3	2.68	2.64	2.74	0.00928			
	4	2.83	2.78	2.88	0.0101			
	5	2.97	2.92	3.02	0.00962	0.00908J		
COLUMN 2	1	2.79	2.74	2.84	0.00889			
	2	2.89	2.84	2.94	0.00954			
	3	3.26	3.21	3.31	0.00681			
	4	3.39	3.34	3.44	0.00785			
	5	3.59	3.54	3.64	0.0084	0.0083J		NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-07	
Client ID : E-147-0.5-1.0	
Date Analyzed (1) : 02/16/20 12:22	Date Analyzed (2) : 02/16/20 12:22
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.361		
	2	2.39	2.34	2.44	0.443		
COLUMN 1	3	2.68	2.64	2.74	0.411		
	4	2.83	2.78	2.88	0.497		
	5	2.97	2.92	3.02	0.667	0.476	
COLUMN 2	1	2.79	2.74	2.84	0.369		
	2	2.89	2.84	2.94	0.465		
	3	3.26	3.21	3.31	0.464		
	4	3.39	3.34	3.44	0.46		
	5	3.59	3.54	3.64	0.454	0.442	7



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-10	
Client ID : E-153-0.5-1.0	
Date Analyzed (1) : 02/16/20 12:36	Date Analyzed (2) : 02/16/20 12:36
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.0137		
	2	2.39	2.34	2.44	0.0173		
COLUMN 1	3	0.00	2.64	2.74	0.		
	4	2.83	2.78	2.88	0.0214		
	5	2.97	2.92	3.02	0.0221	0.0186J	
COLUMN 2	1	2.79	2.74	2.84	0.0115		
	2	2.89	2.84	2.94	0.0159		
	3	3.26	3.21	3.31	0.0155		
	4	3.39	3.34	3.44	0.0242		
	5	3.59	3.54	3.64	0.0213	0.0177J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-11	
Client ID : E-153-2.0-2.5	
Date Analyzed (1) : 02/16/20 12:43	Date Analyzed (2) : 02/16/20 12:43
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.00502		
	2	2.39	2.34	2.44	0.00734		
COLUMN 1	3	0.00	2.64	2.74	0.		
	4	2.83	2.78	2.88	0.0075		
	5	2.97	2.92	3.02	0.00761	0.00687J	
COLUMN 2	1	2.79	2.74	2.84	0.00492		
	2	2.89	2.84	2.94	0.00668		
	3	3.26	3.21	3.31	0.00579		
	4	3.39	3.34	3.44	0.00849		
	5	3.59	3.54	3.64	0.00672	0.	NC



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2006460-12		
Client ID	: E-155-0.5-1.0		
Date Analyzed (1)	: 02/16/20 12:49	Date Analyzed (2)	: 02/16/20 12:49
Instrument ID (1)	: PEST23	Instrument ID (2)	: PEST23
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.174		
	2	2.39	2.34	2.44	0.245		
COLUMN 1	3	2.68	2.64	2.74	0.229		
	4	2.83	2.78	2.88	0.249		
	5	2.97	2.92	3.02	0.298	0.239	
COLUMN 2	1	2.79	2.74	2.84	0.172		
	2	2.89	2.84	2.94	0.267		
	3	3.26	3.21	3.31	0.262		
	4	3.39	3.34	3.44	0.259		
	5	3.59	3.54	3.64	0.275	0.247	3



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-13	
Client ID : E-155-2.0-2.5	
Date Analyzed (1) : 02/16/20 12:56	Date Analyzed (2) : 02/16/20 12:56
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.0807		
	2	2.39	2.34	2.44	0.0922		
COLUMN 1	3	0.00	2.64	2.74	0.		
	4	2.83	2.78	2.88	0.11		
	5	2.96	2.92	3.02	0.123	0.102	
COLUMN 2	1	2.79	2.74	2.84	0.0786		
	2	2.89	2.84	2.94	0.0862		
	3	3.26	3.21	3.31	0.0913		
	4	3.39	3.34	3.44	0.112		
	5	3.59	3.54	3.64	0.112	0.096	6



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-15D	
Client ID : E-142-0.5-1.0	
Date Analyzed (1) : 02/16/20 16:24	Date Analyzed (2) : 02/16/20 16:24
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.27	2.22	2.32	3.83			
	2	2.39	2.34	2.44	4.61			
	COLUMN 1	3	2.68	2.63	2.73	4.34		
		4	2.82	2.77	2.87	5.11		
		5	2.96	2.91	3.01	5.56	4.69	
COLUMN 2	1	2.78	2.73	2.83	3.84			
	2	2.88	2.83	2.93	4.98			
	3	3.26	3.21	3.31	5.11			
	4	3.39	3.34	3.44	4.94			
	5	3.59	3.53	3.63	5.08	4.79	2	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-16	
Client ID : E-142-2.0-2.5	
Date Analyzed (1) : 02/16/20 13:10	Date Analyzed (2) : 02/16/20 13:10
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.192		
	2	2.39	2.34	2.44	0.256		
COLUMN 1	3	2.68	2.64	2.74	0.23		
	4	2.82	2.78	2.88	0.255		
	5	2.96	2.92	3.02	0.27	0.241	
COLUMN 2	1	2.78	2.74	2.84	0.2		
	2	2.88	2.84	2.94	0.259		
	3	3.26	3.21	3.31	0.264		
	4	3.39	3.34	3.44	0.25		
	5	3.59	3.54	3.64	0.255	0.246	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-18	
Client ID : E-142-4.0-4.5	
Date Analyzed (1) : 02/16/20 13:23	Date Analyzed (2) : 02/16/20 13:23
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.0624		
	2	2.39	2.34	2.44	0.0794		
COLUMN 1	3	2.68	2.64	2.74	0.0632		
	4	2.82	2.78	2.88	0.072		
	5	2.96	2.92	3.02	0.0761	0.0706	
COLUMN 2	1	2.78	2.74	2.84	0.0645		
	2	2.88	2.84	2.94	0.0819		
	3	3.26	3.21	3.31	0.0732		
	4	3.39	3.34	3.44	0.067		
	5	3.59	3.54	3.64	0.0704	0.0714	1



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-19	
Client ID : E-145-0.5-1.0	
Date Analyzed (1) : 02/16/20 13:30	Date Analyzed (2) : 02/16/20 13:30
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.268		
	2	2.39	2.34	2.44	0.343		
COLUMN 1	3	2.68	2.64	2.74	0.296		
	4	2.82	2.78	2.88	0.352		
	5	2.96	2.92	3.02	0.37	0.326	
COLUMN 2	1	2.78	2.74	2.84	0.276		
	2	2.88	2.84	2.94	0.354		
	3	3.26	3.21	3.31	0.273		
	4	3.39	3.34	3.44	0.347		
	5	3.59	3.54	3.64	0.344	0.319	2



Identification Summary
Form 10
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2006460
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Lab Sample ID : L2006460-20
 Client ID : E-145-2.0-2.5
 Date Analyzed (1) : 02/16/20 15:48 Date Analyzed (2) : 02/16/20 15:48
 Instrument ID (1) : PEST19 Instrument ID (2) : PEST19
 GC Column (1) : CLP-Pesticide GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.59	2.52	2.62	0.0734			
	2	2.73	2.66	2.76	0.0964			
	COLUMN 1	3	3.08	3.00	3.10	0.0849		
		4	3.25	3.17	3.27	0.0942		
		5	3.41	3.33	3.43	0.101	0.09	
COLUMN 2	1	2.97	2.91	3.01	0.0797			
	2	3.08	3.02	3.12	0.0978			
	3	3.50	3.44	3.54	0.0749			
	4	3.64	3.58	3.68	0.0889			
	5	3.85	3.79	3.89	0.0924	0.0867	4	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-22	
Client ID : E-144-0.5-1.0	
Date Analyzed (1) : 02/16/20 15:55	Date Analyzed (2) : 02/16/20 15:55
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.122		
	2	2.72	2.66	2.76	0.164		
COLUMN 1	3	3.06	3.00	3.10	0.125		
	4	3.23	3.17	3.27	0.15		
	5	3.39	3.33	3.43	0.16	0.144	
COLUMN 2	1	2.96	2.91	3.01	0.117		
	2	3.07	3.02	3.12	0.164		
	3	3.49	3.44	3.54	0.111		
	4	3.63	3.58	3.68	0.142		
	5	3.85	3.79	3.89	0.139	0.134	7



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-23	
Client ID : E-144-2.0-2.5	
Date Analyzed (1) : 02/16/20 14:17	Date Analyzed (2) : 02/16/20 14:17
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.00613		
	2	2.39	2.34	2.44	0.00749		
COLUMN 1	3	2.68	2.63	2.73	0.00651		
	4	2.82	2.77	2.87	0.00708		
	5	2.96	2.91	3.01	0.00737	0.00692J	
COLUMN 2	1	2.78	2.73	2.83	0.00638		
	2	2.88	2.83	2.93	0.00737		
	3	3.26	3.21	3.31	0.00597		
	4	3.39	3.34	3.44	0.00641		
	5	3.59	3.53	3.63	0.00642	0.	NC



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2006460-25		
Client ID	: E-143-0.5-1.0		
Date Analyzed (1)	: 02/17/20 13:35	Date Analyzed (2)	: 02/17/20 13:35
Instrument ID (1)	: PEST13	Instrument ID (2)	: PEST13
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.82	4.78	4.88	0.166		
	2	5.03	4.98	5.08	0.189		
COLUMN 1	3	5.49	5.44	5.54	0.17		
	4	5.70	5.66	5.76	0.208		
	5	5.90	5.85	5.95	0.201	0.187	
COLUMN 2	1	5.21	5.16	5.26	0.224		
	2	5.36	5.31	5.41	0.255		
	3	5.88	5.83	5.93	0.273		
	4	6.05	6.00	6.10	0.281		
	5	6.29	6.24	6.34	0.294	0.265	34



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006460-26	
Client ID : E-143-2.0-2.5	
Date Analyzed (1) : 02/16/20 14:31	Date Analyzed (2) : 02/16/20 14:31
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.153		
	2	2.39	2.34	2.44	0.173		
COLUMN 1	3	2.68	2.63	2.73	0.157		
	4	2.82	2.77	2.87	0.17		
	5	2.96	2.91	3.01	0.184	0.168	
COLUMN 2	1	2.78	2.73	2.83	0.148		
	2	2.88	2.83	2.93	0.172		
	3	3.26	3.21	3.31	0.175		
	4	3.39	3.34	3.44	0.169		
	5	3.59	3.53	3.63	0.172	0.167	1



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2006460-28		
Client ID	: X-5-02122020		
Date Analyzed (1)	: 02/17/20 23:28	Date Analyzed (2)	: 02/17/20 23:28
Instrument ID (1)	: PEST23	Instrument ID (2)	: PEST23
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.26		
	2	2.39	2.35	2.45	0.289		
COLUMN 1	3	2.68	2.64	2.74	0.232		
	4	2.82	2.79	2.89	0.359		
	5	2.96	2.93	3.03	0.333	0.294	
COLUMN 2	1	2.78	2.74	2.84	0.266		
	2	2.88	2.84	2.94	0.349		
	3	3.26	3.22	3.32	0.315		
	4	3.39	3.35	3.45	0.38		
	5	3.59	3.54	3.64	0.362	0.335	13



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200217a\
 Data File : 13200217a-09.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 1:35 pm
 Operator : pest13:aws
 Sample : 12006460-25,42e,,
 Misc : wg1341444,wg1341202,ical16298
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 15:11:46 2020
 Quant Method : I:\Pest13\200217a\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200217a\13200217a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.152	2.158	574.1E6	1569.9E6	250.000	250.000
Standard Area 1 : #1 = 668682837					Recovery =	85.86%
Standard Area 1 : #2 = 1793099192					Recovery =	87.55%
14) i 2154_1br2nb	2.152	2.158	574.1E6	1569.9E6	250.000	250.000
23) i 4268_1br2nb	2.152	2.158	574.1E6	1569.9E6	250.000	250.000
34) i 1248_1br2nb	2.152	2.158	574.1E6	1569.9E6	250.000	250.000
40) i 3262_1br2nb	2.152	2.158	574.1E6	1569.9E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.632	2.752	512.5E6	1342.6E6	202.613	210.266
Spiked Amount 500.000	Range 30 - 150				Recovery =	40.52%
3) s Decachlorobi	6.617	7.032	421.4E6	1134.8E6	215.952	335.147
Spiked Amount 500.000	Range 30 - 150				Recovery =	43.19%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.825	5.206	276.4E6	782.0E6	2070.515	2797.585
10) l2 1260-2	5.029	5.357	470.2E6	1046.9E6	2363.710	3182.253
11) l2 1260-3	5.491	5.878	272.9E6	889.9E6	2126.634	3407.246
12) l2 1260-4	5.704	6.045	741.1E6	1891.2E6	2593.923M4	3512.210
13) l2 1260-5	5.900	6.289	480.6E6	1292.1E6	2508.764	3669.953
Sum 1260-1			2241.3E6	5902.1E6	11663.545	16569.246
Average 1260-1					2332.709	3313.849

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200217a\
 Data File : 13200217a-09.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 1:35 pm
 Operator : pest13:aws
 Sample : 12006460-25,42e,,
 Misc : wg1341444,wg1341202,ical16298
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 15:11:46 2020
 Quant Method : I:\Pest13\200217a\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200217a\13200217a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200217a\
 Data File : 13200217a-09.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 1:35 pm
 Operator : pest13:aws
 Sample : 12006460-25,42e,,
 Misc : wg1341444,wg1341202,ical16298
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 15:11:46 2020
 Quant Method : I:\Pest13\200217a\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200217a\13200217a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

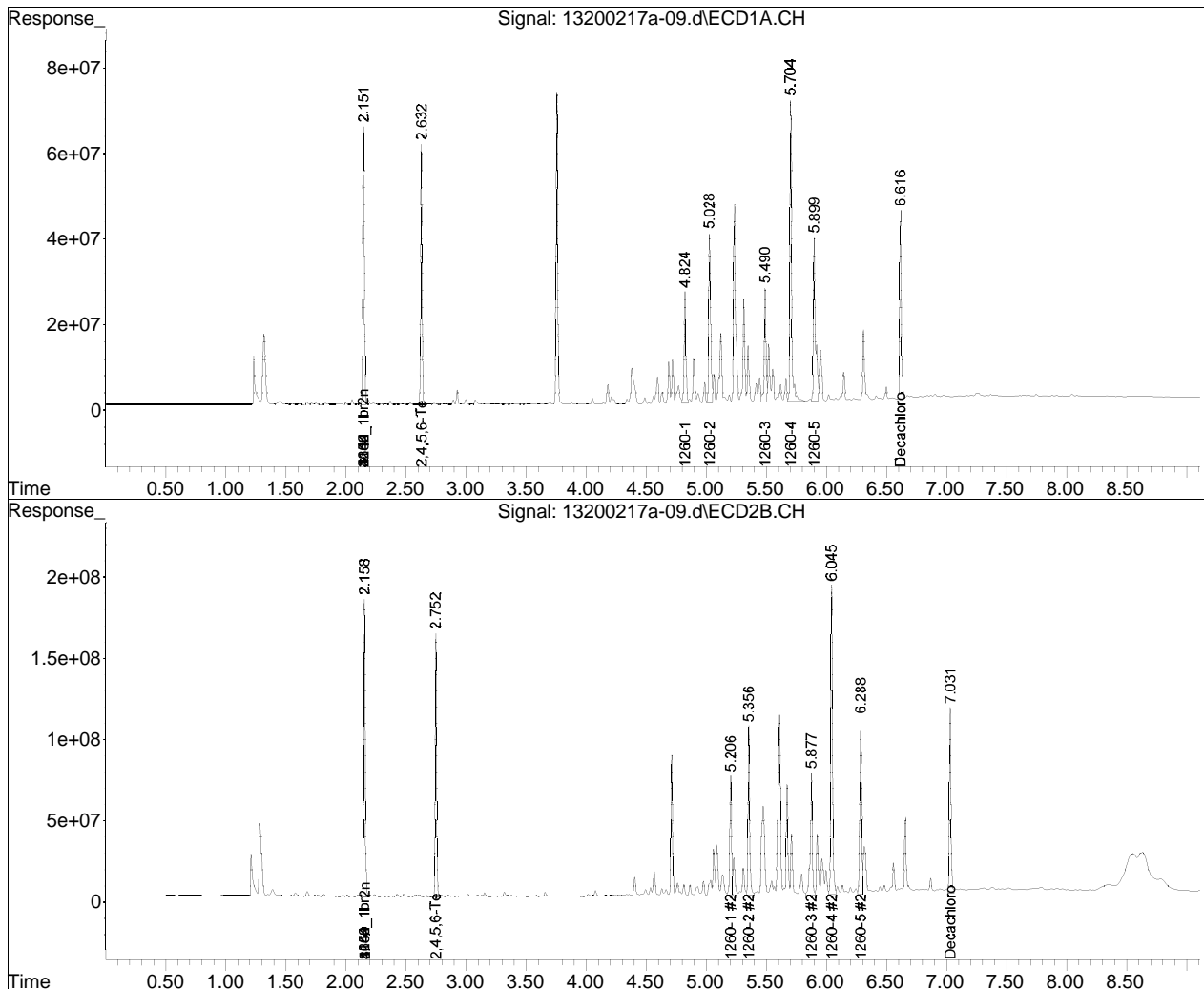
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest13\200217a\
Data File : 13200217a-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Feb 2020 1:35 pm
Operator : pest13:aws
Sample : 12006460-25,42e,,
Misc : wg1341444,wg1341202,ical16298
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 15:11:46 2020
Quant Method : I:\Pest13\200217a\P13_pcb_11_14_19_ugL_ICAL16298.m
Quant Title : pcb
QLast Update : Wed Feb 12 21:30:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

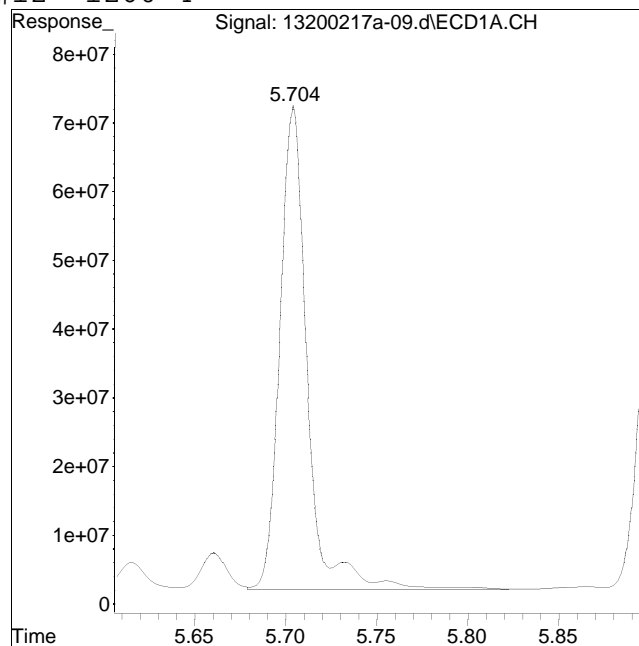
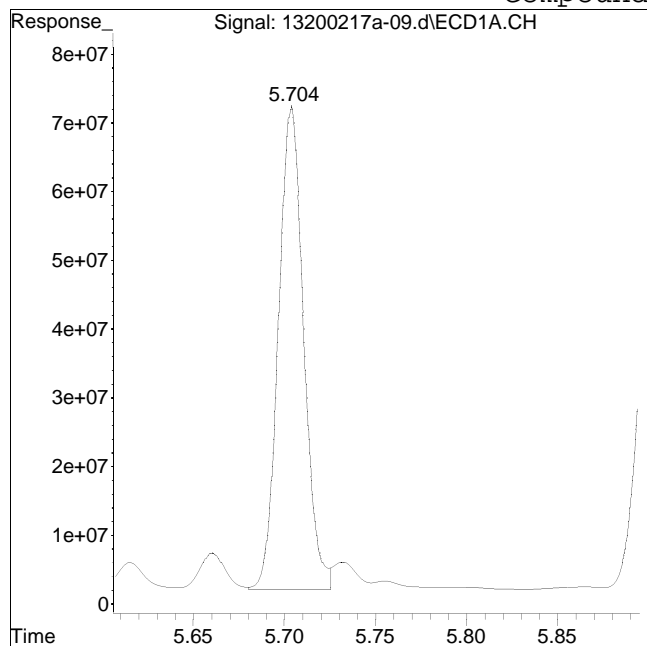


Manual Integration Report

Data Path : I:\Pest13\200217a\
Data File : 13200217a-09.d
Date Inj'd : 2/17/2020 1:35 pm
Sample : 12006460-25,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/18/2020 1:54 pm

Compound #12: 1260-4



Original Peak Response = 678557092

Manual Peak Response = 741060352 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200216a\
 Data File : 19200216a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 03:48 pm
 Operator : pest19:jm
 Sample : l2006460-20,42e,,rrs
 Misc : wgl341230,wgl340879,ical16321
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 15:09:12 2020
 Quant Method : I:\Pest19\200216a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200216a\19200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.995	1.033	30321984	42002512	250.000	250.000
Standard Area 1 : #1 = 29247226					Recovery = 103.67%	
Standard Area 1 : #2 = 40809108					Recovery = 102.92%	
14) i 2154_1br2nb	0.995	1.033	30321984	42002512	250.000	250.000
23) i 4268_1br2nb	0.995	1.033	30321984	42002512	250.000	250.000
34) i 1248_1br2nb	0.995	1.033	30321984	42002512	250.000	250.000
40) i 3262_1br2nb	0.995	1.033	30321984	42002512	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.256	1.381	28025118	38392118	177.110M4	178.961
Spiked Amount 500.000 Range 30 - 150					Recovery = 35.42%	35.79%
3) s Decachlorobi	4.027	4.531	20942170	27434115	164.992M3	151.610M3
Spiked Amount 500.000 Range 30 - 150					Recovery = 33.00%	30.32%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.589	2.965	8677275	13309216	1085.811M3	1177.925M2
10) l2 1260-2	2.735	3.081	17115592	19162279	1424.399M2	1445.261M2
11) l2 1260-3	3.079	3.499	9817198	12799264	1255.493M2	1107.535M2
12) l2 1260-4	3.250	3.643	22885889	31956934	1391.916M2	1314.065M2

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200216a\
 Data File : 19200216a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 03:48 pm
 Operator : pest19:jm
 Sample : 12006460-20,42e,,rrs
 Misc : wg1341230,wg1340879,ical16321
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 15:09:12 2020
 Quant Method : I:\Pest19\200216a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200216a\19200216a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) 12	1260-5	3.407	3.855	17742611	23089463	1493.389M2	1366.733M2
	Sum 1260-1			76238565	100.3E6	6651.008	6411.519
	Average 1260-1					1330.202	1282.304
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D.
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200216a\
 Data File : 19200216a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 03:48 pm
 Operator : pest19:jm
 Sample : l2006460-20,42e,,rrs
 Misc : wgl1341230,wgl1340879,ical16321
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 15:09:12 2020
 Quant Method : I:\Pest19\200216a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200216a\19200216a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D.
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15	1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200216a\
 Data File : 19200216a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 03:48 pm
 Operator : pest19:jm
 Sample : l2006460-20,42e,,rrs
 Misc : wgl1341230,wgl1340879,ical16321
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 15:09:12 2020
 Quant Method : I:\Pest19\200216a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200216a\19200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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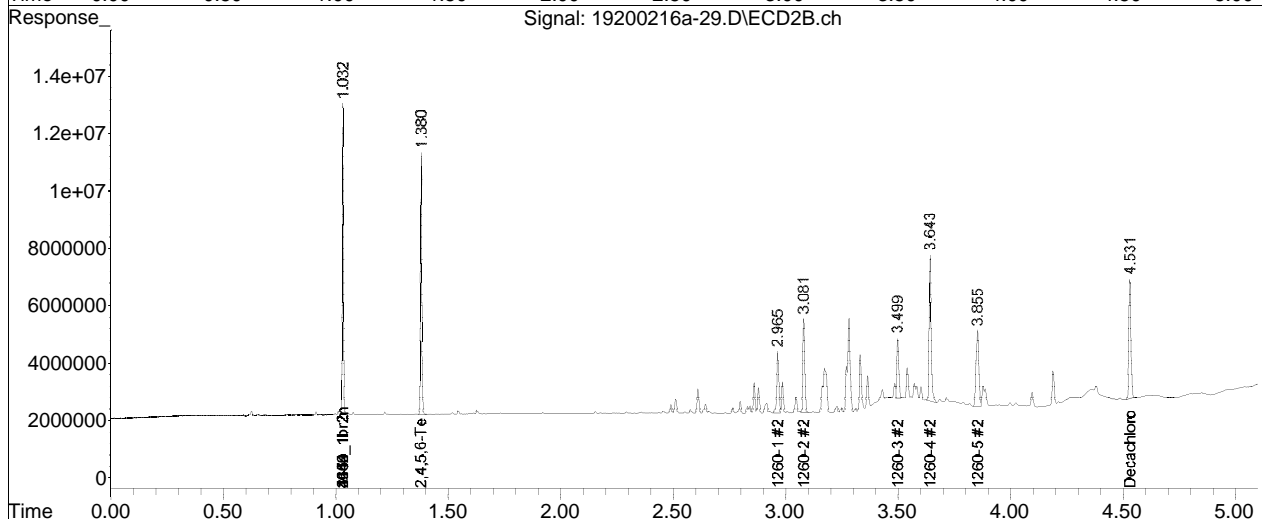
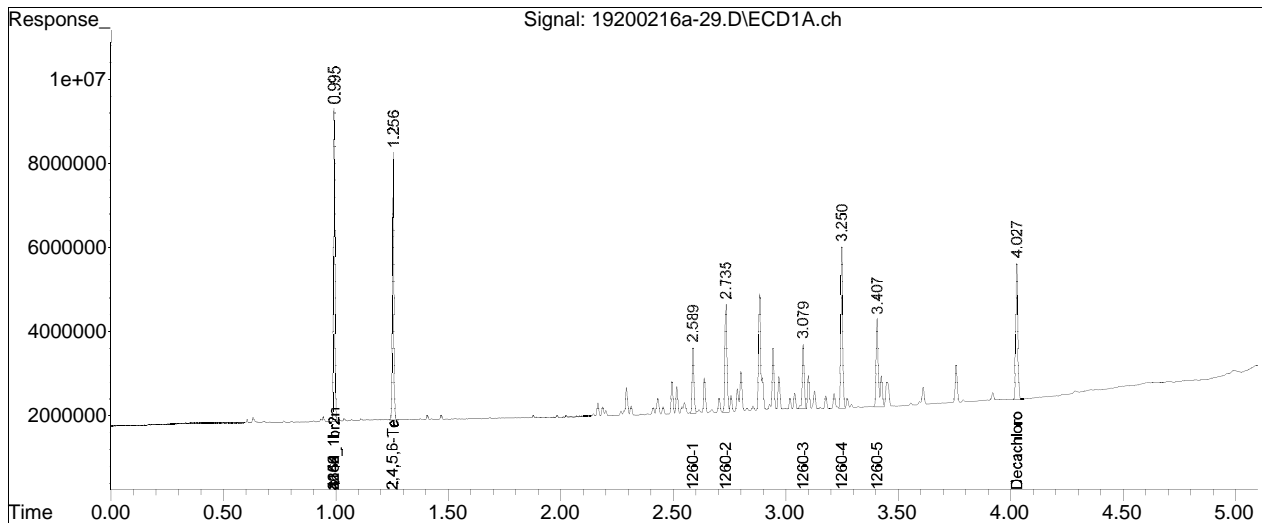
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 03:48 pm
Operator : pest19:jm
Sample : 12006460-20,42e,,rrs
Misc : wg1341230,wg1340879,ical16321
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 15:09:12 2020
Quant Method : I:\Pest19\200216a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sat Feb 01 09:36:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

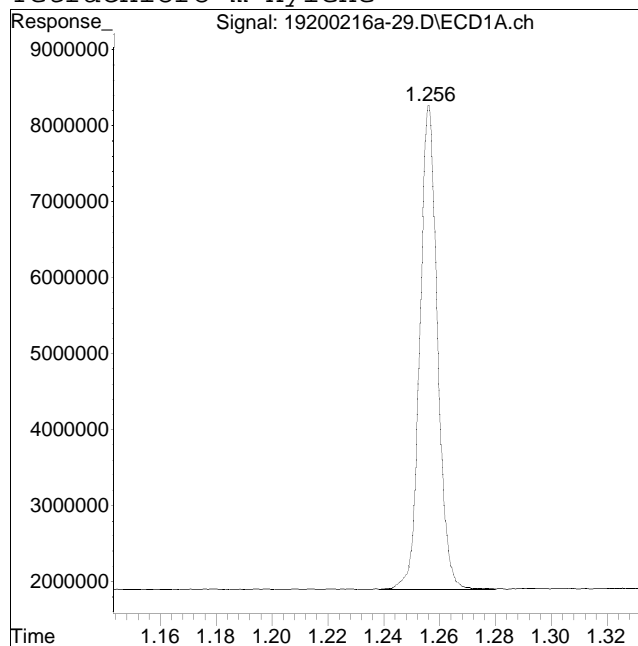
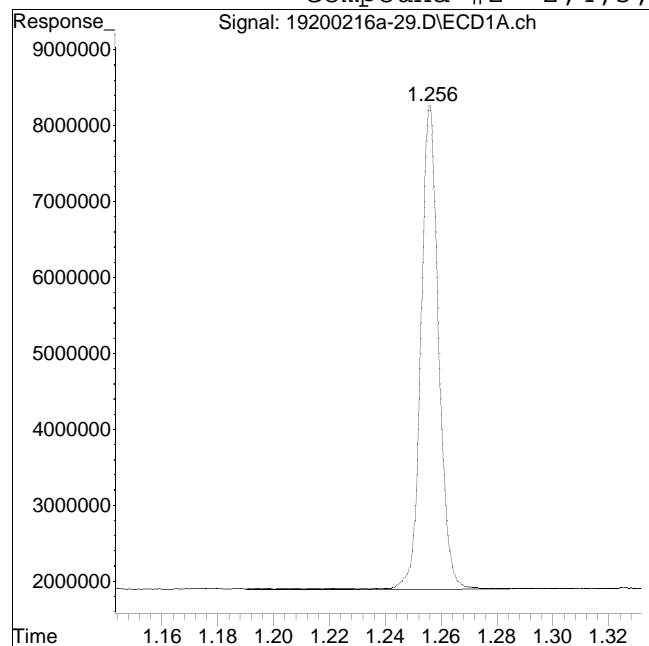


Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 28394864

Manual Peak Response = 28025118 M4

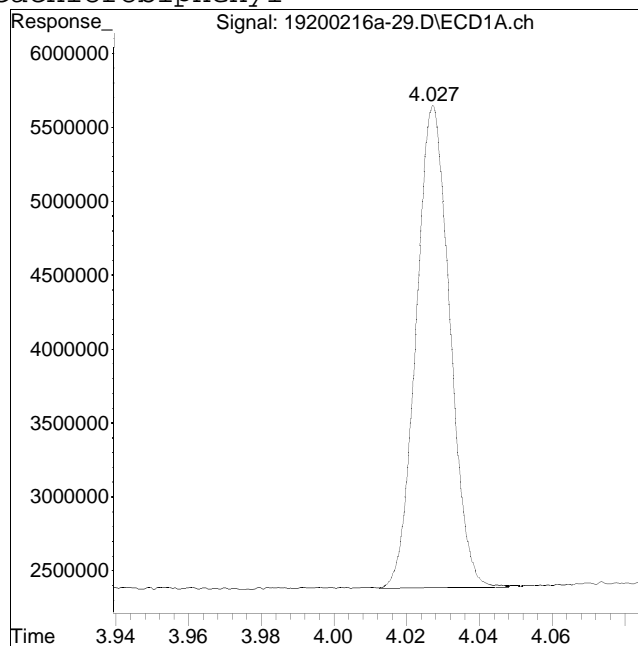
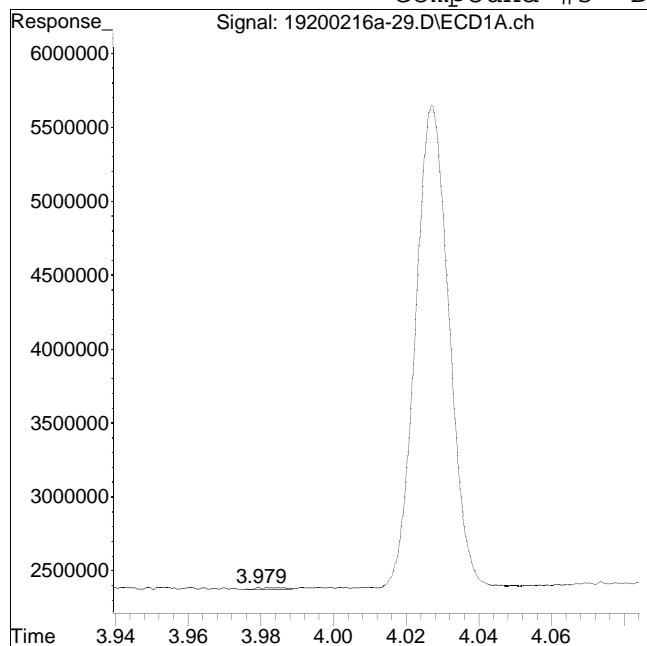
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 46544

Manual Peak Response = 20942170 M3

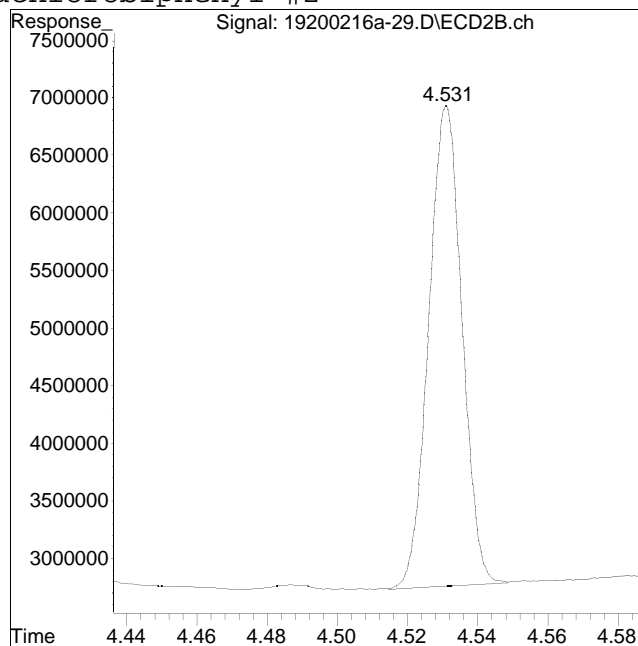
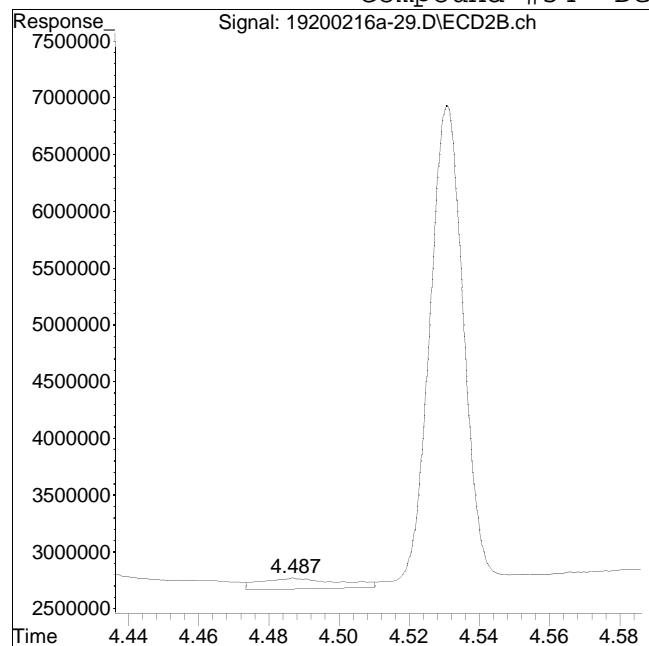
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1505082

Manual Peak Response = 27434115 M3

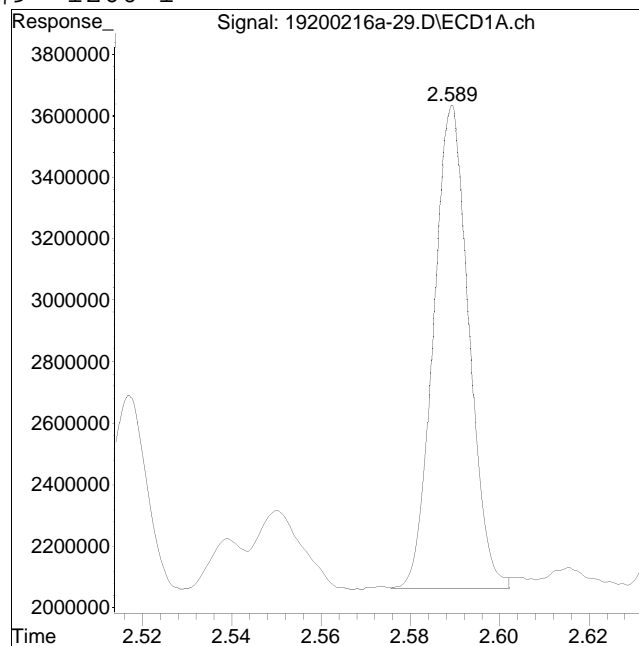
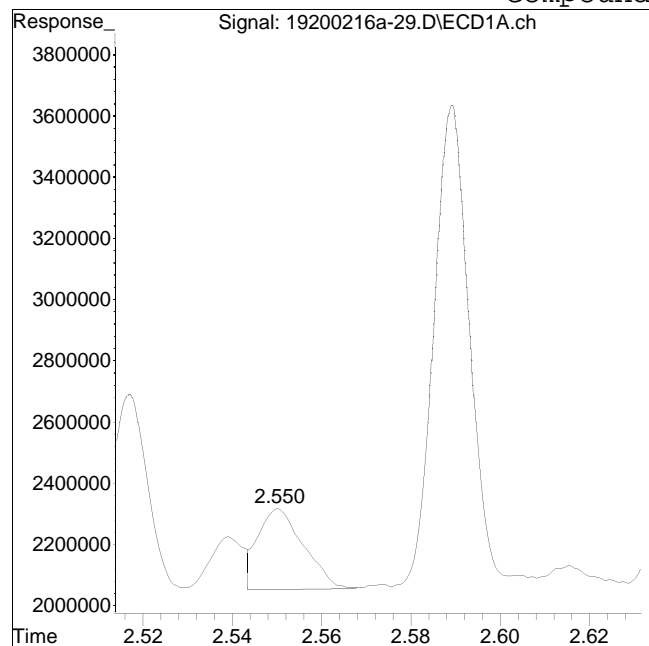
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #9: 1260-1



Original Peak Response = 1951725

Manual Peak Response = 8677275 M3

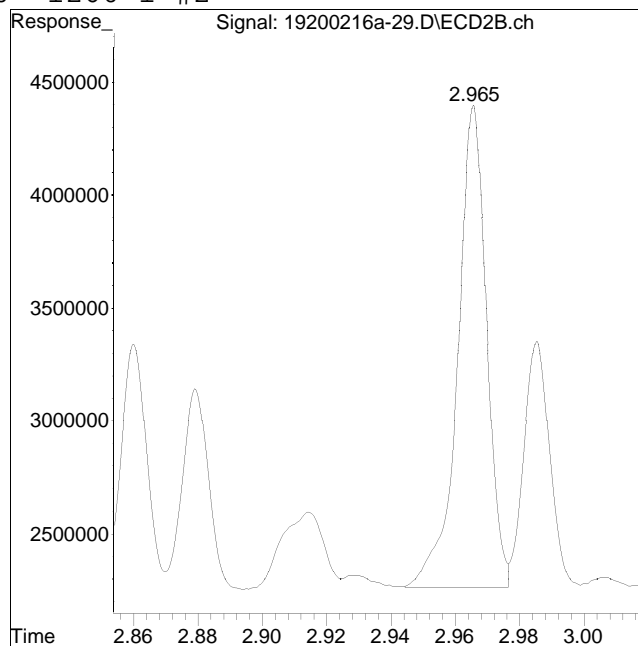
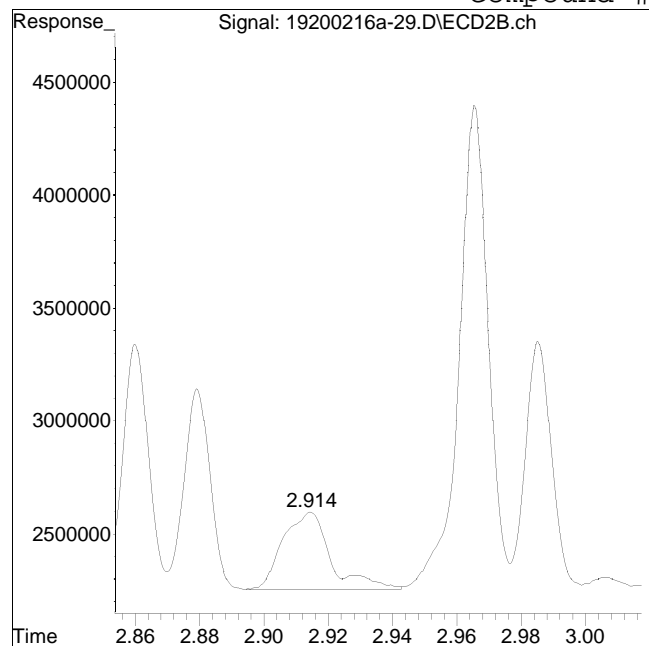
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #60: 1260-1 #2



Original Peak Response = 3535714

Manual Peak Response = 13309216 M2

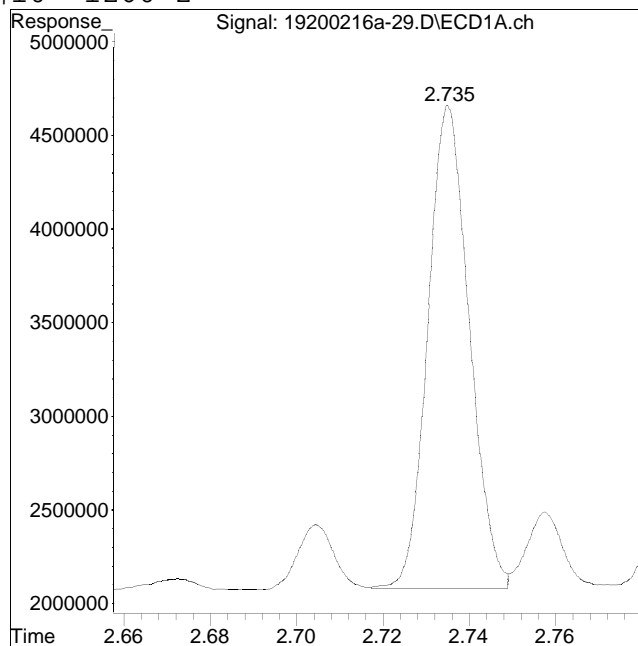
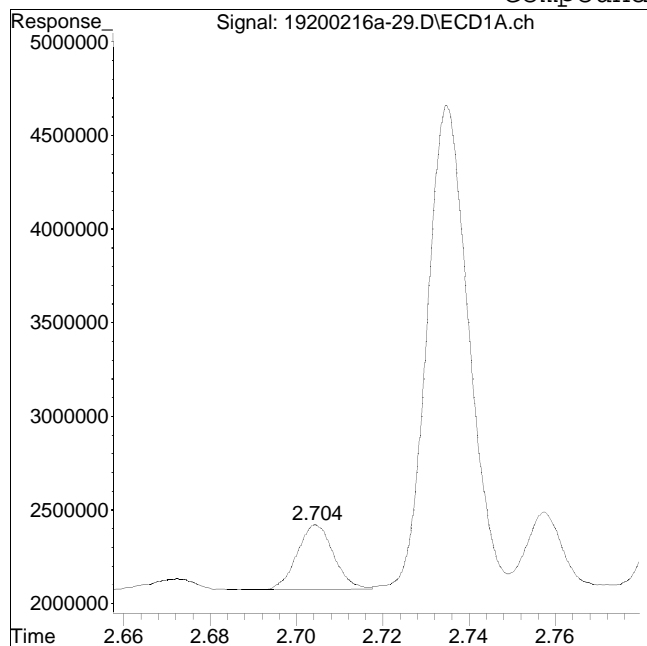
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #10: 1260-2



Original Peak Response = 2002591

Manual Peak Response = 17115592 M2

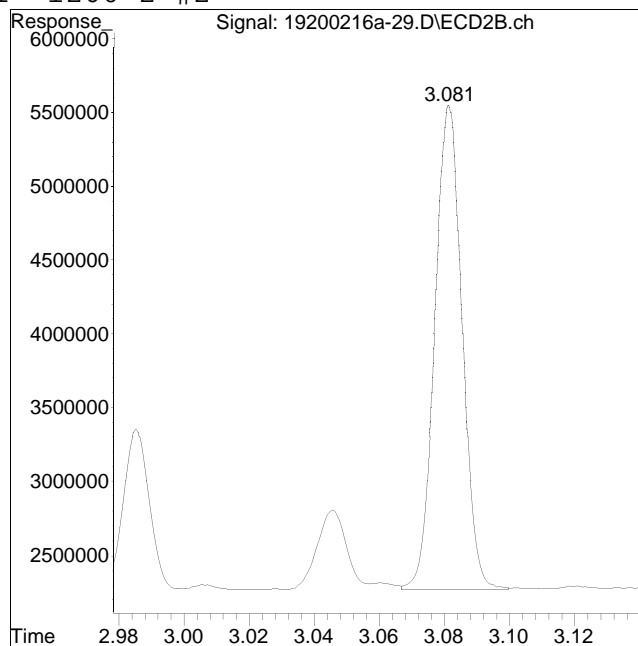
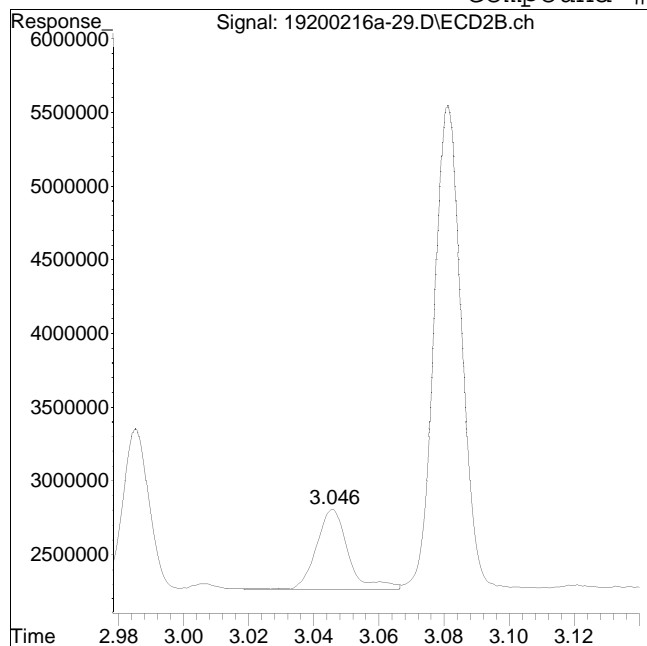
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #61: 1260-2 #2



Original Peak Response = 3853986

Manual Peak Response = 19162279 M2

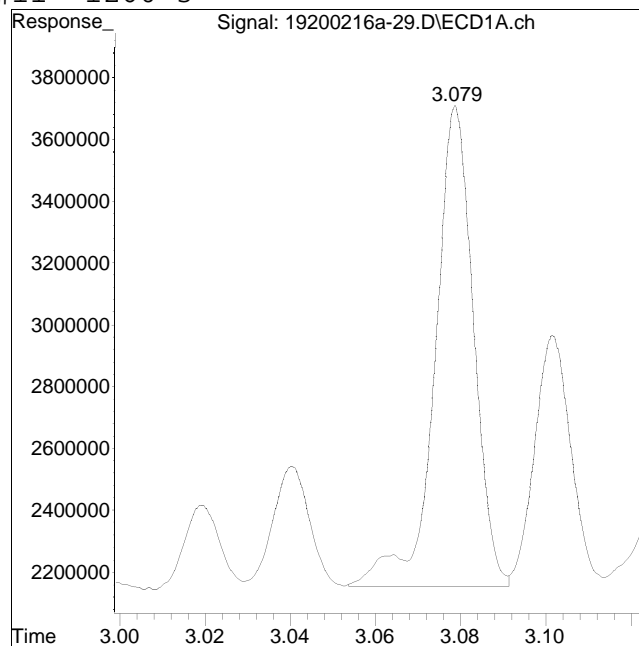
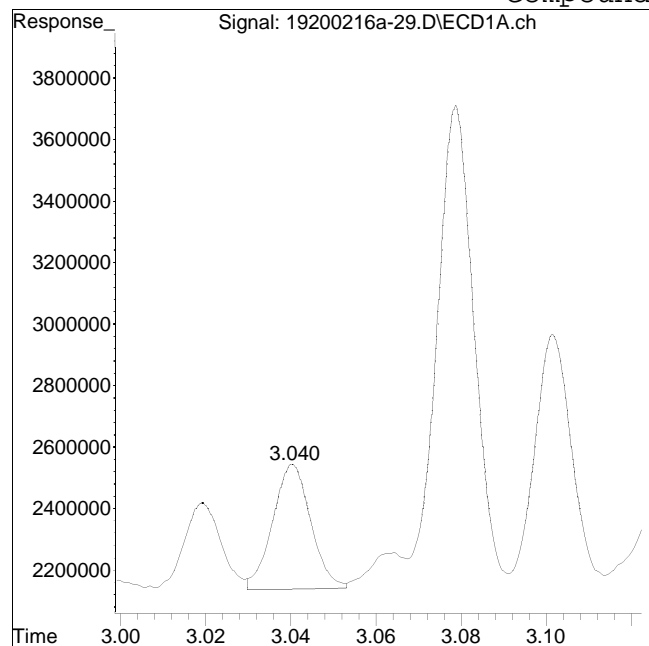
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #11: 1260-3



Original Peak Response = 2536090

Manual Peak Response = 9817198 M2

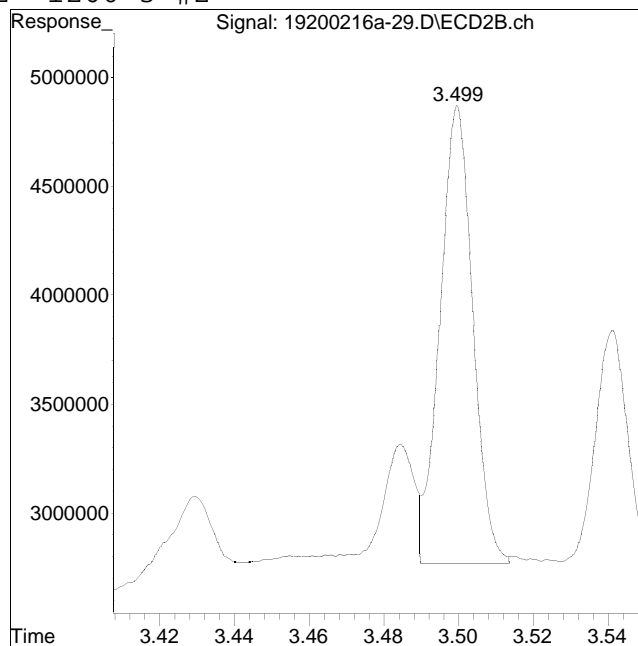
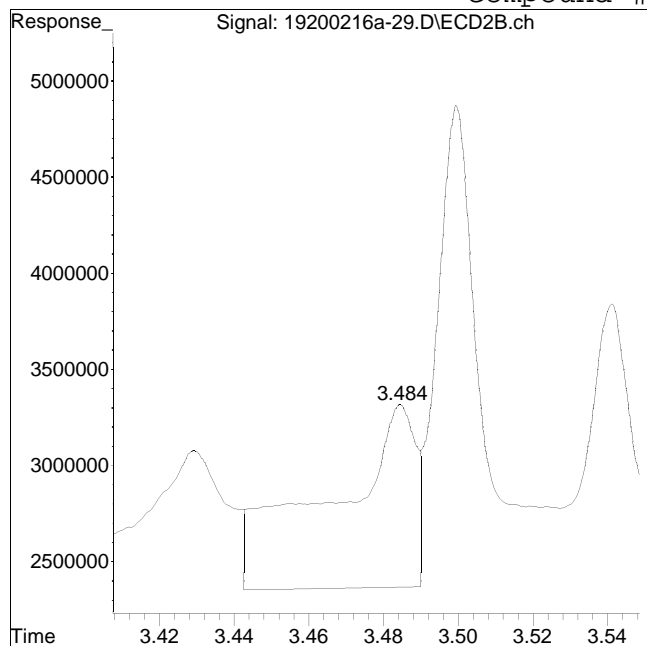
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #62: 1260-3 #2



Original Peak Response = 15078108

Manual Peak Response = 12799264 M2

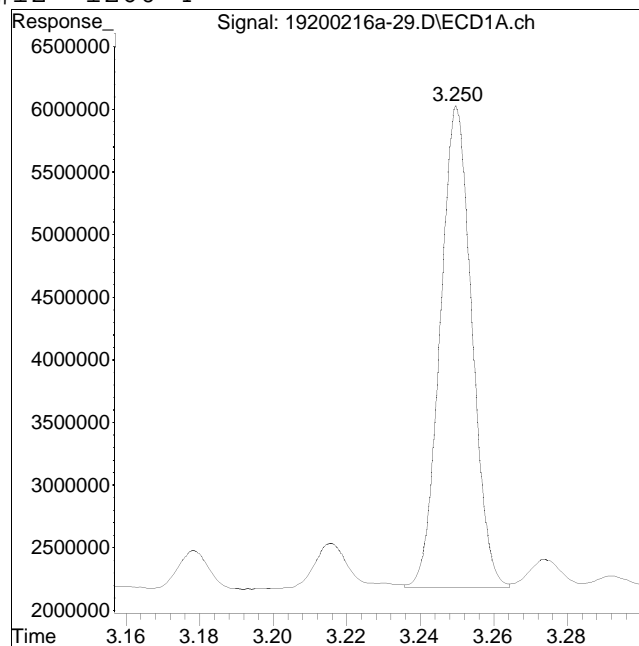
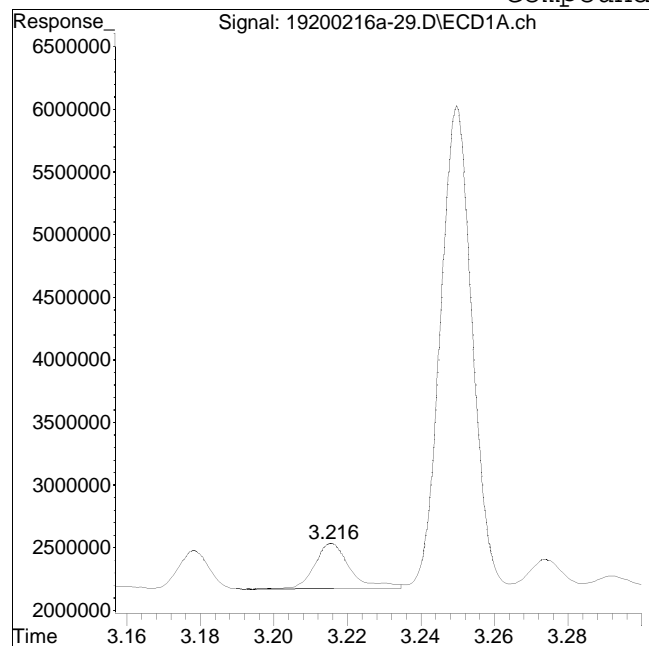
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #12: 1260-4



Original Peak Response = 2486050

Manual Peak Response = 22885889 M2

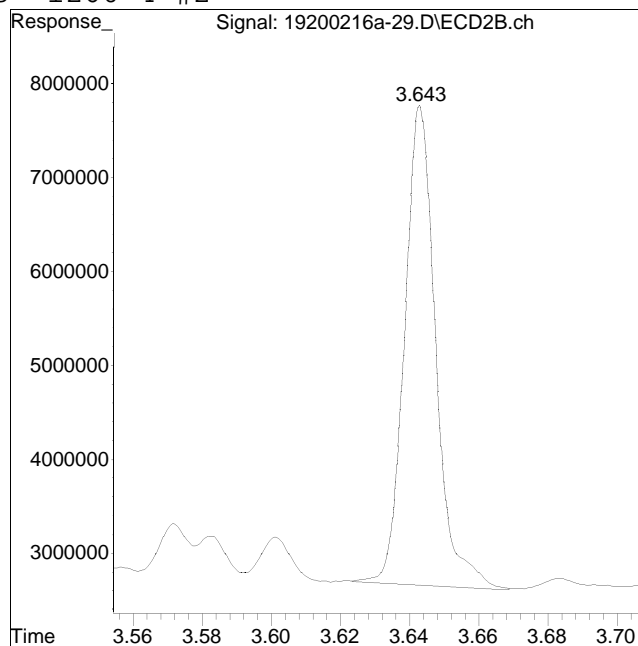
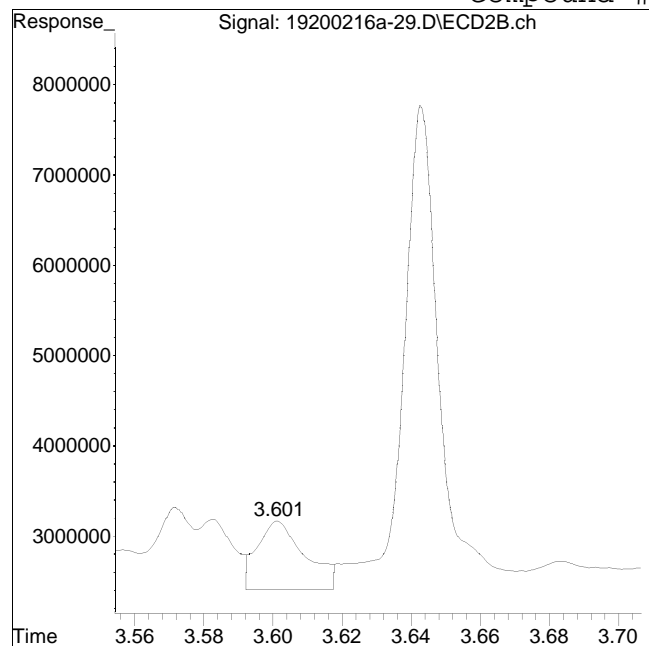
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #63: 1260-4 #2



Original Peak Response = 7312724

Manual Peak Response = 31956934 M2

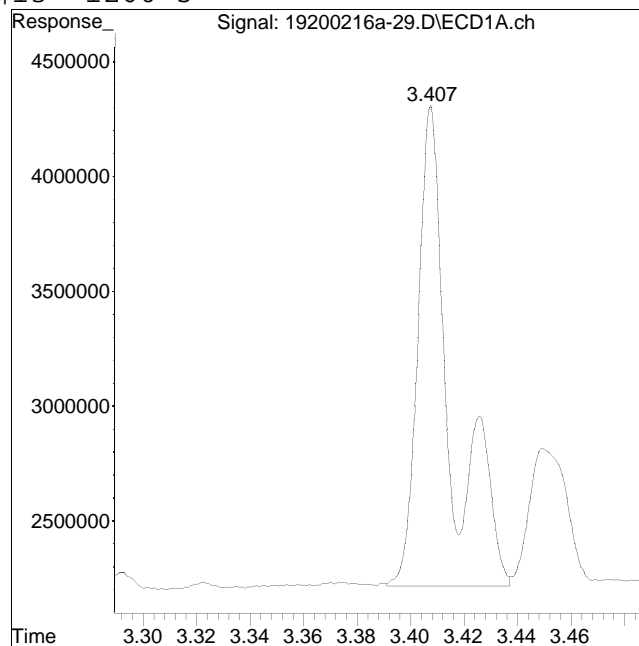
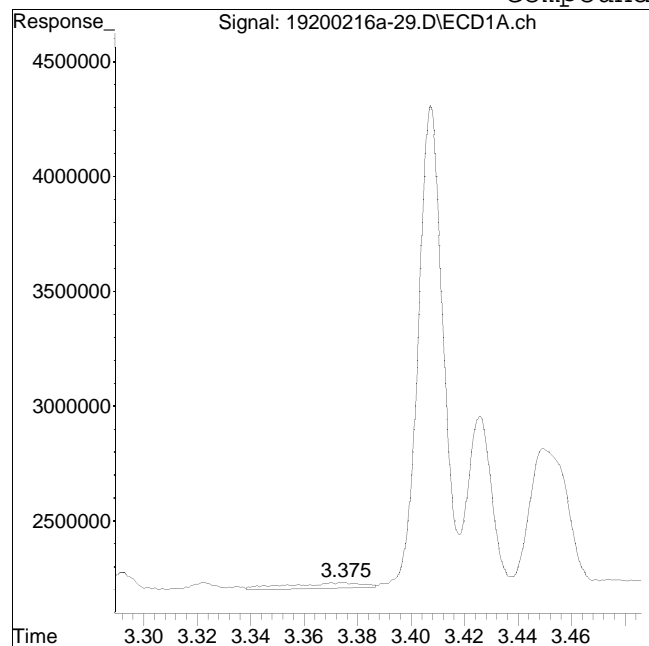
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #13: 1260-5



Original Peak Response = 455680

Manual Peak Response = 17742611 M2

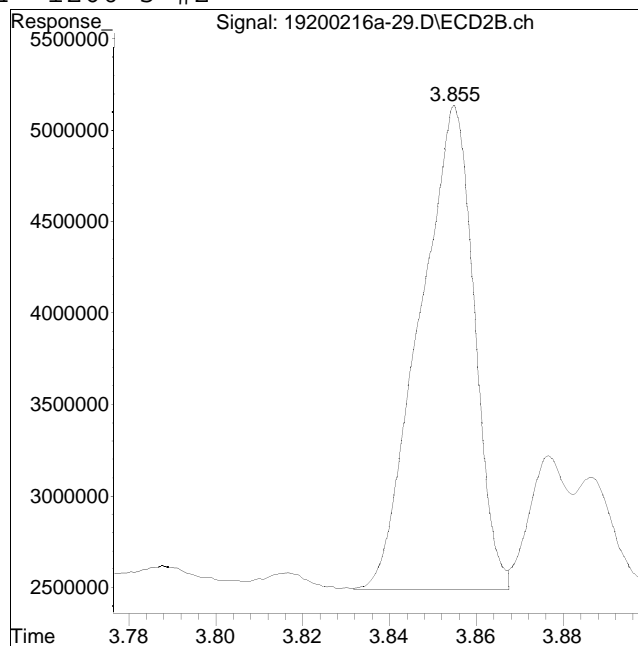
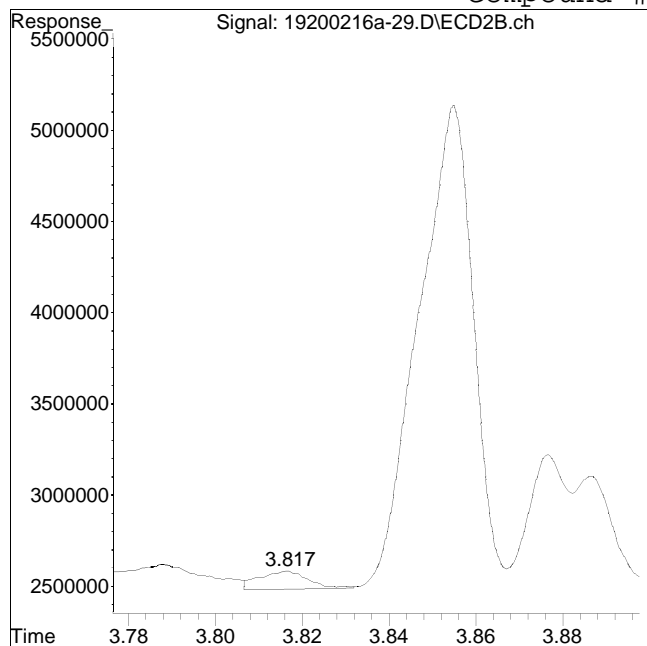
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-29.D
Date Inj'd : 2/16/2020 3:48 pm
Sample : 12006460-20,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:13 pm

Compound #64: 1260-5 #2



Original Peak Response = 804240

Manual Peak Response = 23089463 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200216a\
 Data File : 19200216a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 03:55 pm
 Operator : pest19:jm
 Sample : l2006460-22,42e,,rrs
 Misc : wgl1341230,wgl1340879,ical16321
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 15:15:30 2020
 Quant Method : I:\Pest19\200216a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200216a\19200216a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	0.990	1.033	30158263	42026863	250.000M4	250.000M4
	Standard Area 1 : #1 = 29247226					Recovery = 103.11%	
	Standard Area 1 : #2 = 40809108					Recovery = 102.98%	
14) i	2154_1br2nb	0.990	1.033	30158263	42026863	250.000M4	250.000M4
23) i	4268_1br2nb	0.990	1.033	30158263	42026863	250.000M4	250.000M4
34) i	1248_1br2nb	0.990	1.033	30158263	42026863	250.000M4	250.000M4
40) i	3262_1br2nb	0.990	1.033	30158263	42026863	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.248	1.380	25920856	33811645	164.701M4	157.518M4
	Spiked Amount 500.000 Range 30 - 150					Recovery = 32.94%	31.50%
3) s	Decachlorobi	4.011	4.519	19129256	24677544	151.527M4	136.298M3
	Spiked Amount 500.000 Range 30 - 150					Recovery = 30.31%	27.26%#
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	2.573	2.959	11719829	15968548	1474.495M2	1412.469M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200216a\
 Data File : 19200216a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 03:55 pm
 Operator : pest19:jm
 Sample : 12006460-22,42e,,rrs
 Misc : wg1341230,wg1340879,ical16321
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 15:15:30 2020
 Quant Method : I:\Pest19\200216a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200216a\19200216a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12	1260-2	2.719	3.074	23758381	26411563	1987.961M2	1990.863M2
11) 12	1260-3	3.063	3.492	11789102	15592858	1515.859M2	1348.486M2
12) 12	1260-4	3.233	3.635	29805638	41712737	1822.616M2	1714.228M2
13) 12	1260-5	3.392	3.846	22840995	28379843	1932.955M2	1678.913M2
	Sum 1260-1			99913946	128.1E6	8733.886	8144.960
	Average 1260-1					1746.777	1628.992
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200216a\
 Data File : 19200216a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 03:55 pm
 Operator : pest19:jm
 Sample : l2006460-22,42e,,rrs
 Misc : wgl1341230,wgl1340879,ical16321
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 15:15:30 2020
 Quant Method : I:\Pest19\200216a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200216a\19200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200216a\
 Data File : 19200216a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 03:55 pm
 Operator : pest19:jm
 Sample : 12006460-22,42e,,rrs
 Misc : wgl1341230,wgl1340879,ical16321
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 15:15:30 2020
 Quant Method : I:\Pest19\200216a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sat Feb 01 09:36:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200216a\19200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

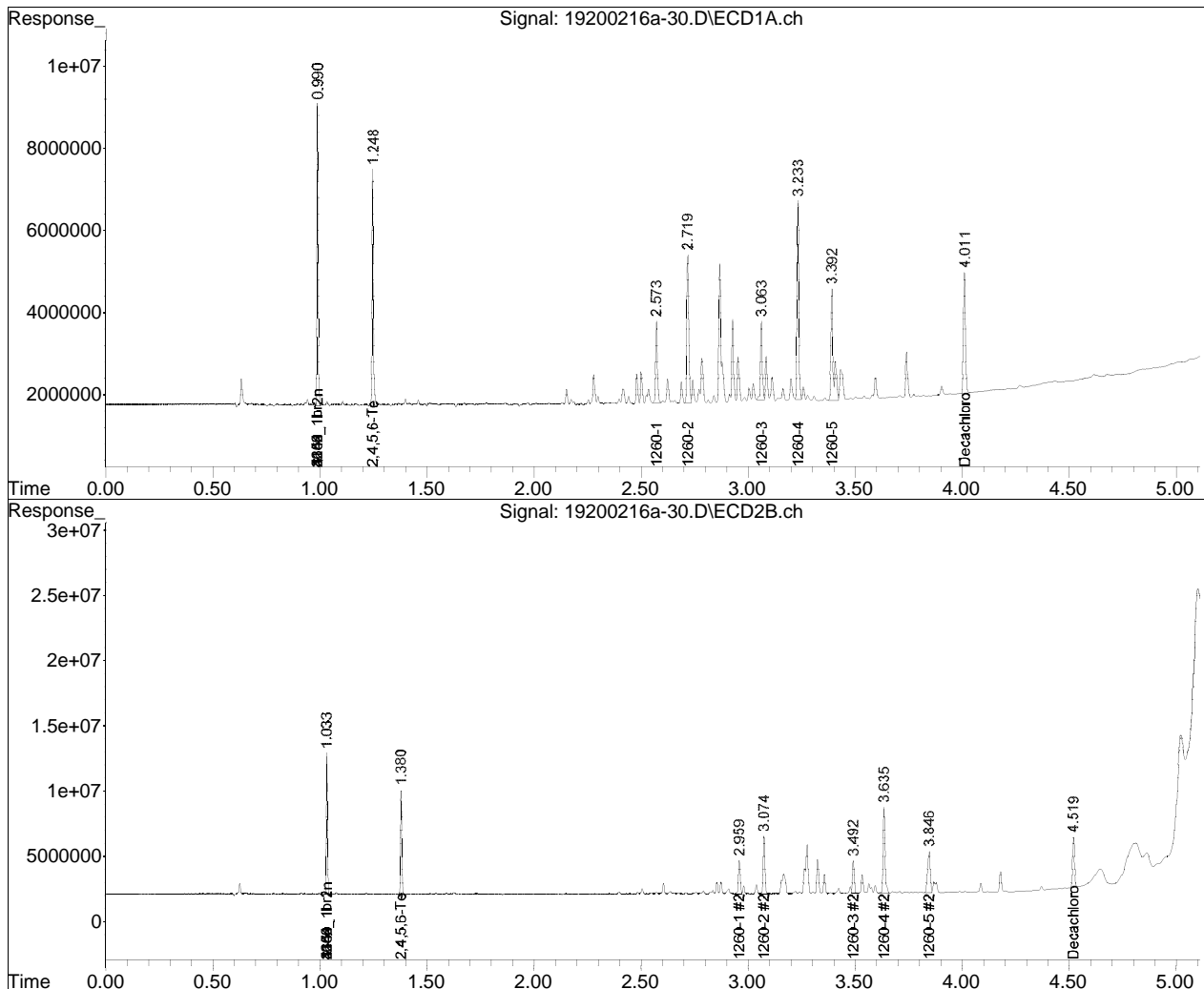
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 03:55 pm
Operator : pest19:jm
Sample : 12006460-22,42e,,rrs
Misc : wg1341230,wg1340879,ical16321
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 15:15:30 2020
Quant Method : I:\Pest19\200216a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sat Feb 01 09:36:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

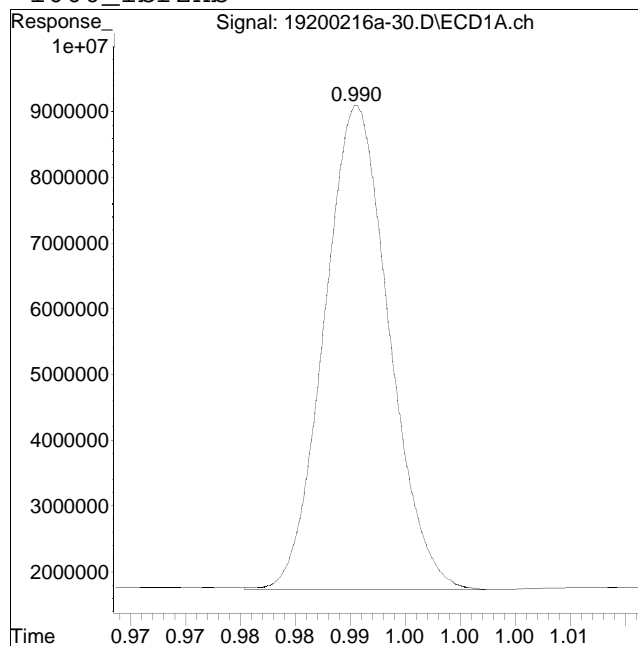
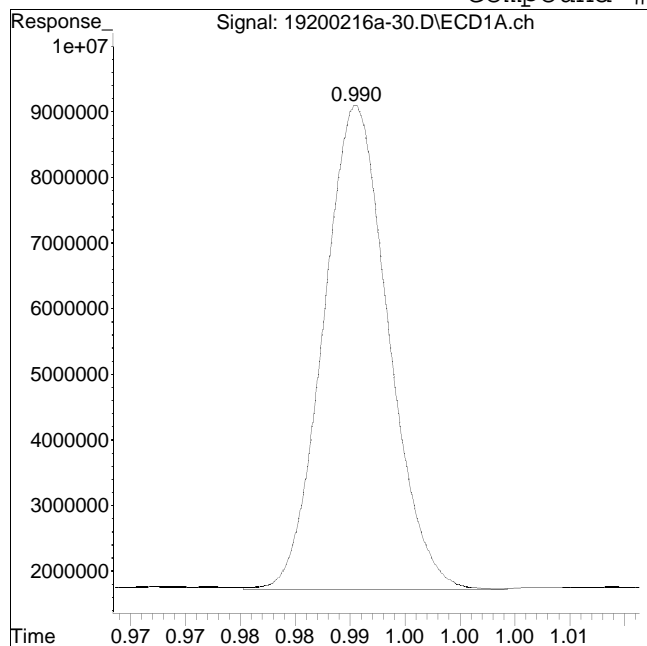


Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #1: 1660_1br2nb



Original Peak Response = 30360594

Manual Peak Response = 30158263 M4

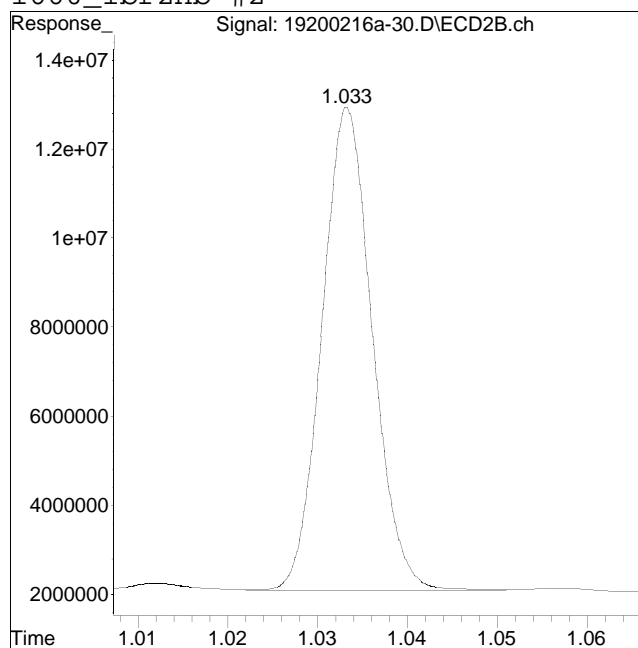
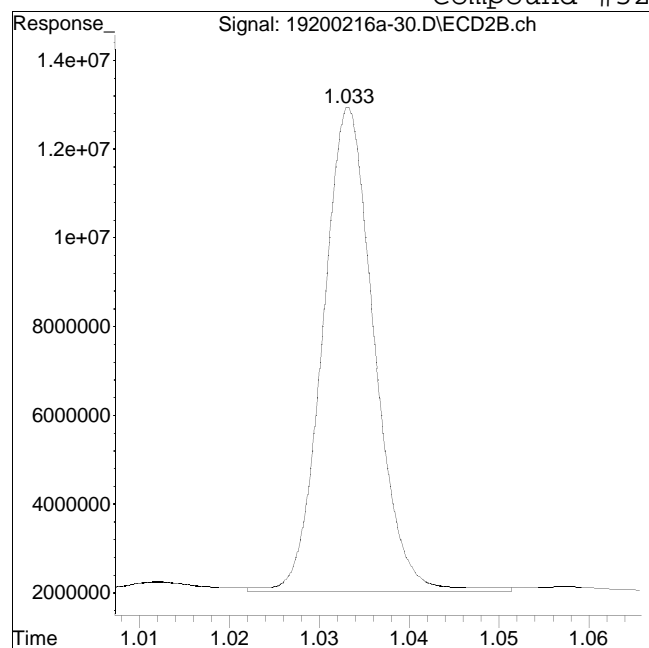
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 43390653

Manual Peak Response = 42026863 M4

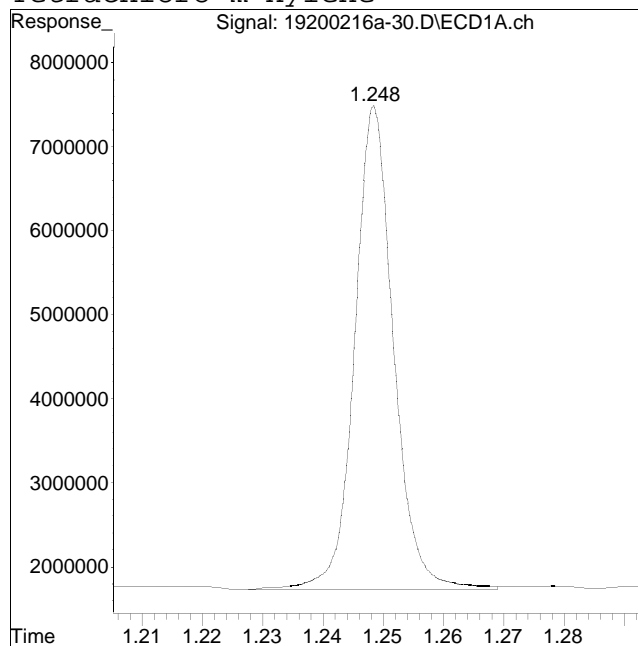
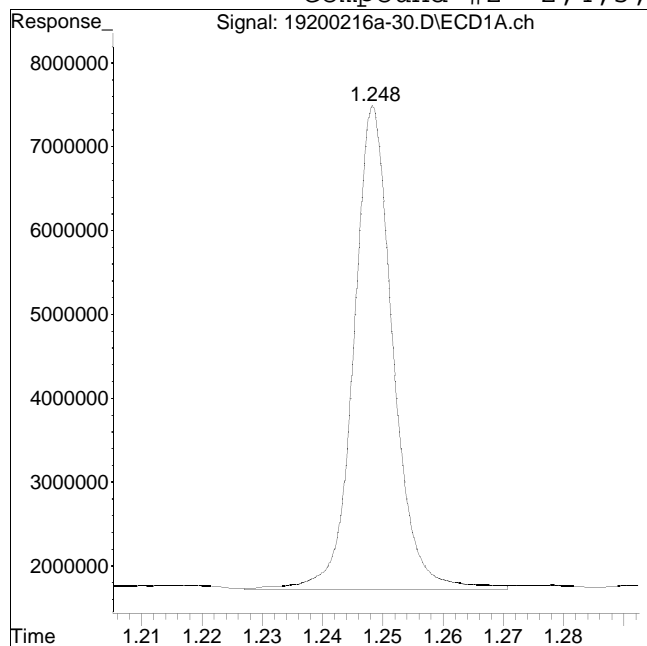
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 26251269

Manual Peak Response = 25920856 M4

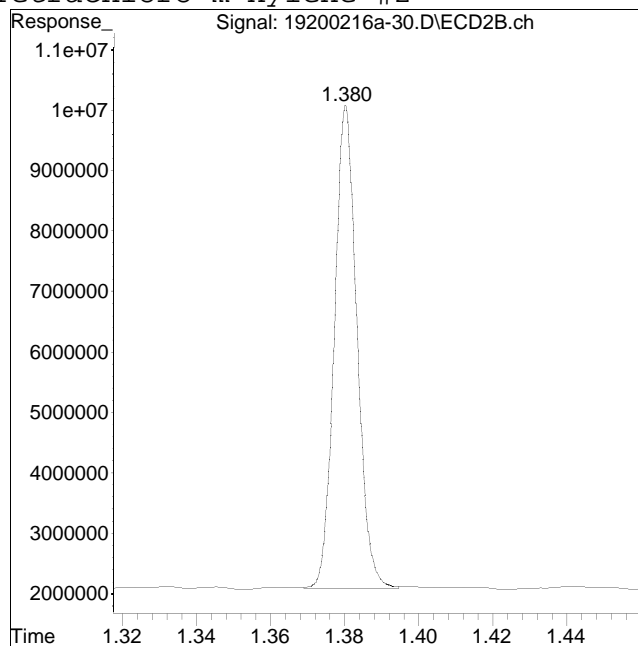
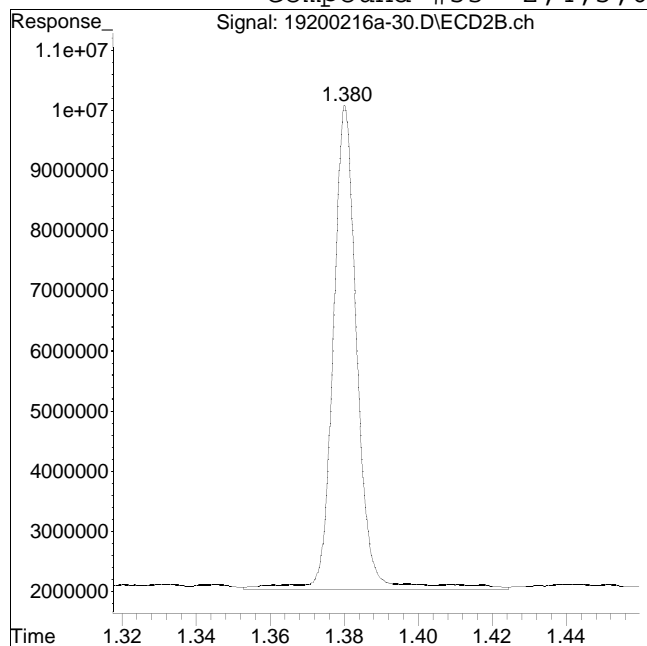
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 36694486

Manual Peak Response = 33811645 M4

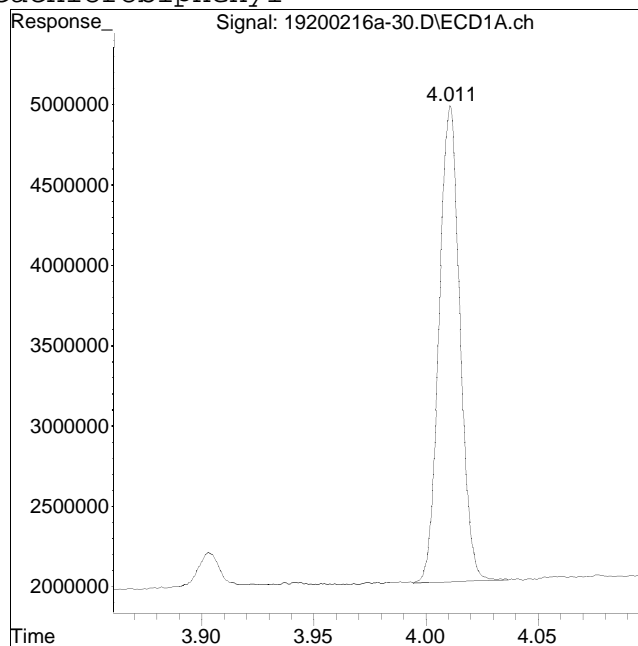
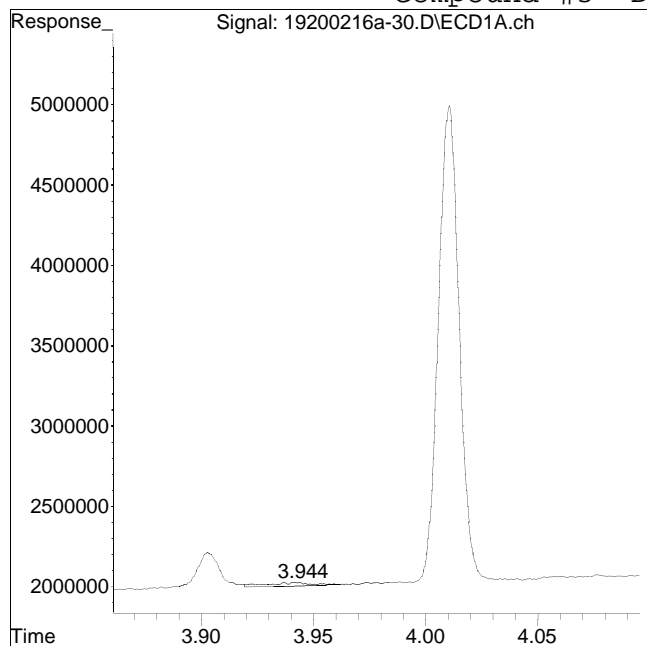
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 354933

Manual Peak Response = 19129256 M4

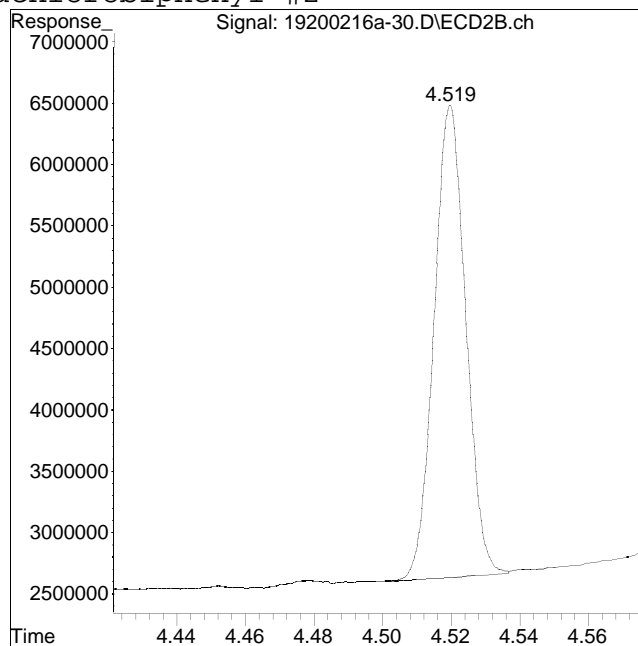
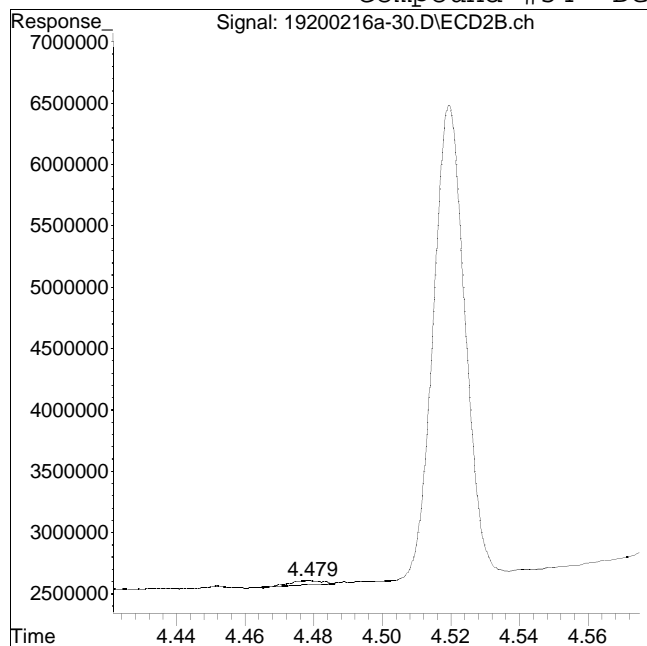
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 211567

Manual Peak Response = 24677544 M3

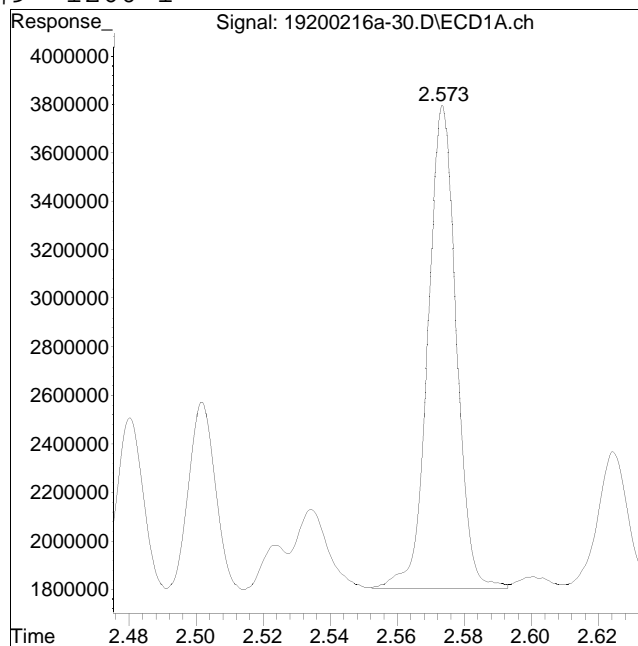
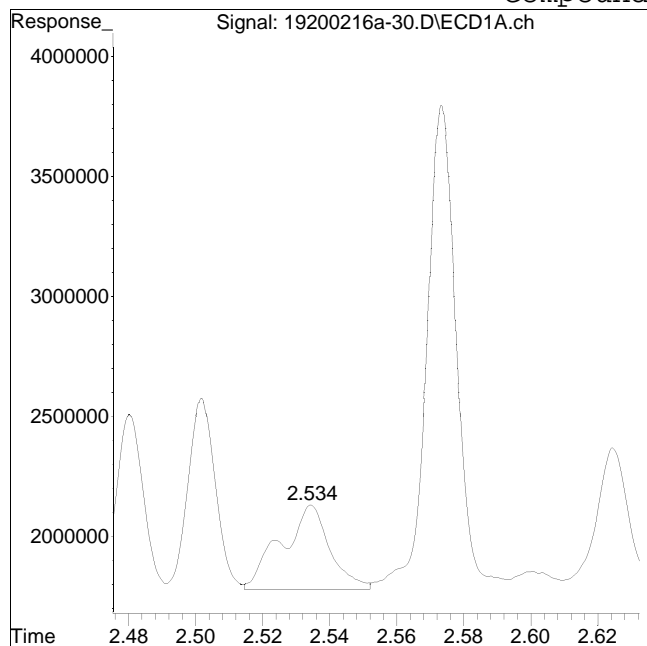
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #9: 1260-1



Original Peak Response = 3577827

Manual Peak Response = 11719829 M2

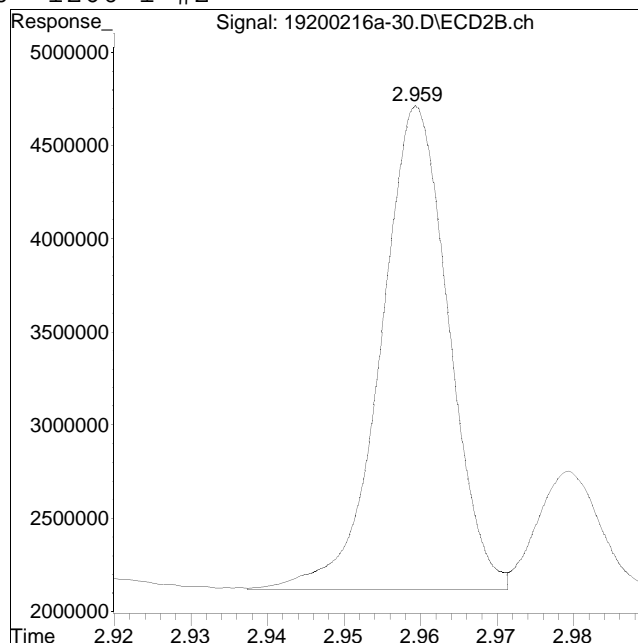
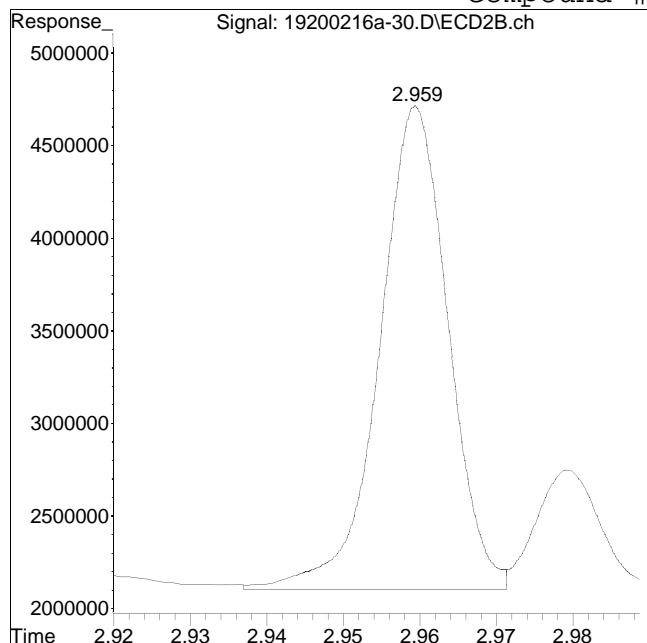
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #60: 1260-1 #2



Original Peak Response = 16243778

Manual Peak Response = 15968548 M4

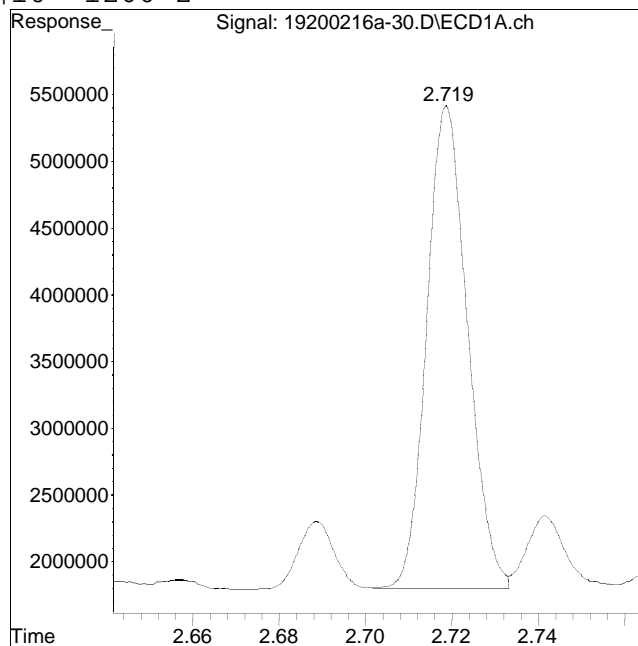
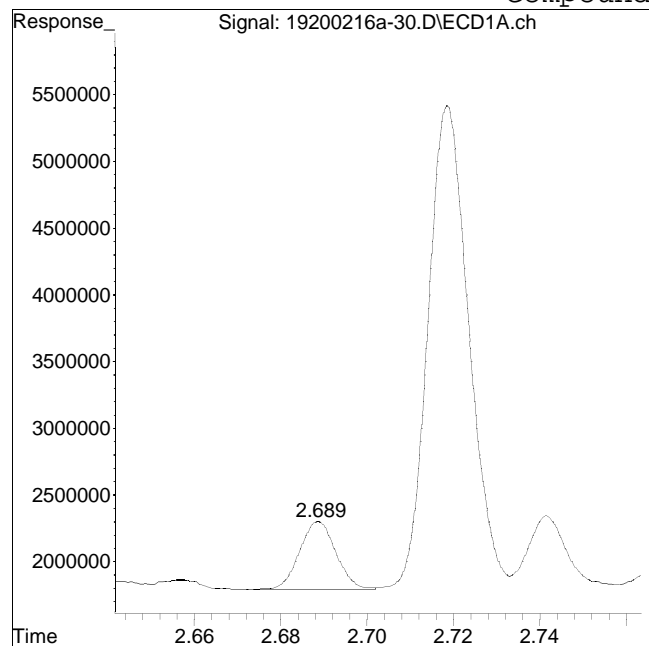
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #10: 1260-2



Original Peak Response = 3001961

Manual Peak Response = 23758381 M2

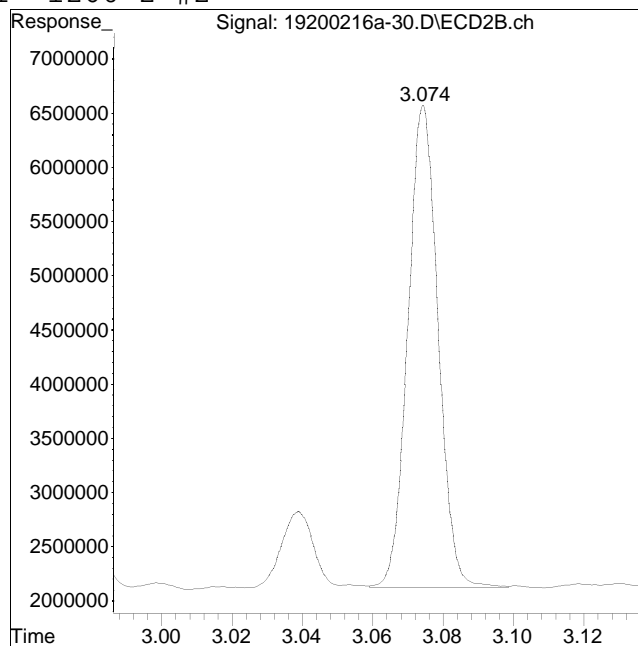
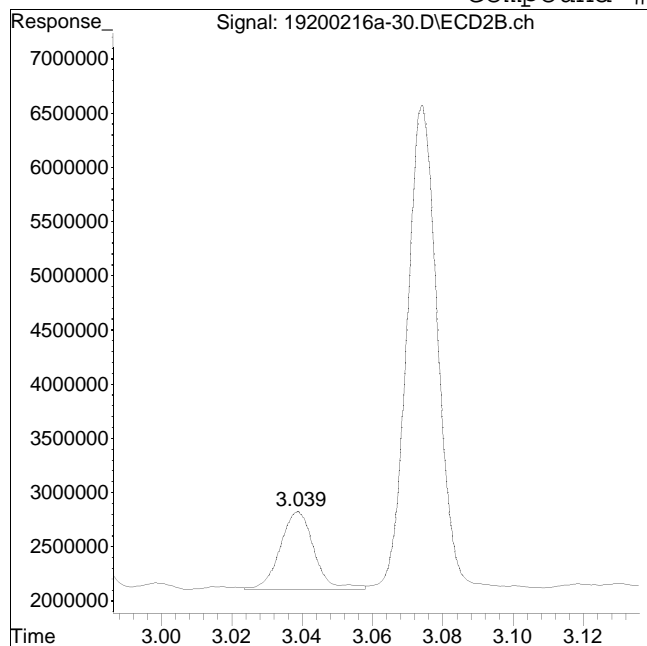
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #61: 1260-2 #2



Original Peak Response = 4749068

Manual Peak Response = 26411563 M2

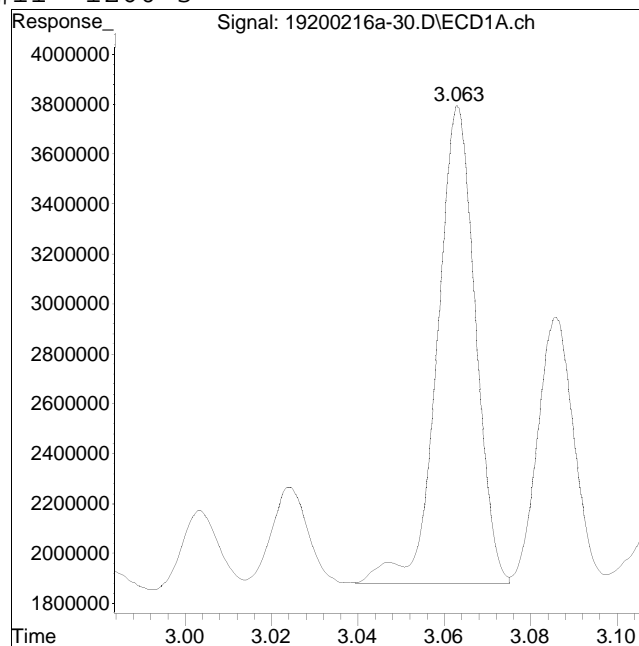
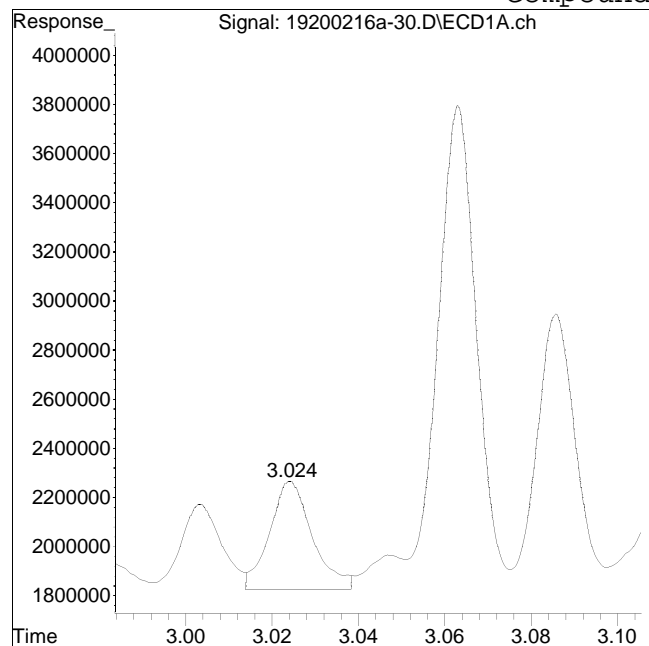
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #11: 1260-3



Original Peak Response = 3030869

Manual Peak Response = 11789102 M2

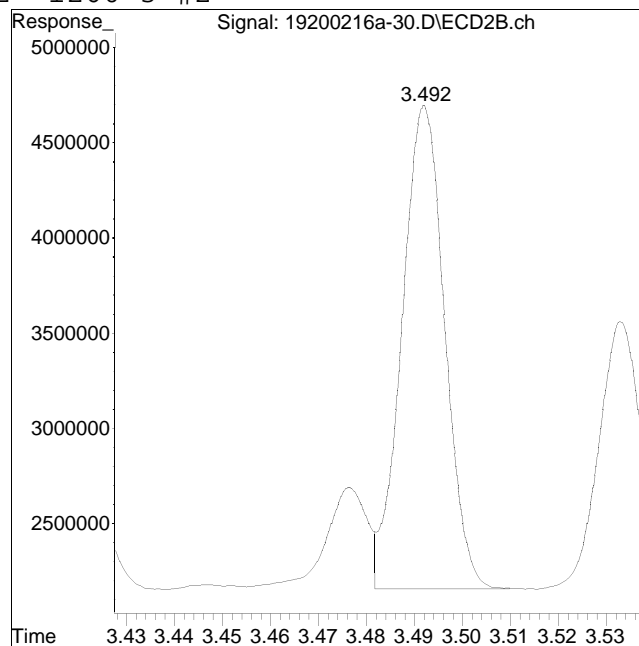
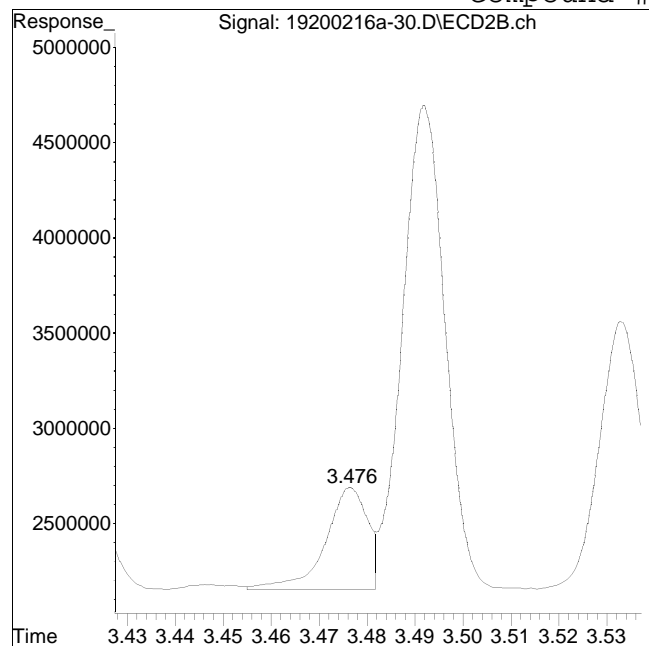
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #62: 1260-3 #2



Original Peak Response = 3218390

Manual Peak Response = 15592858 M2

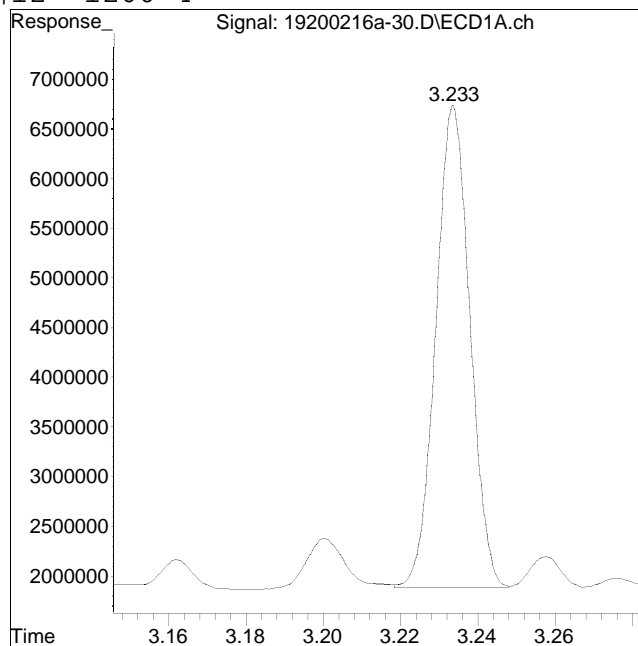
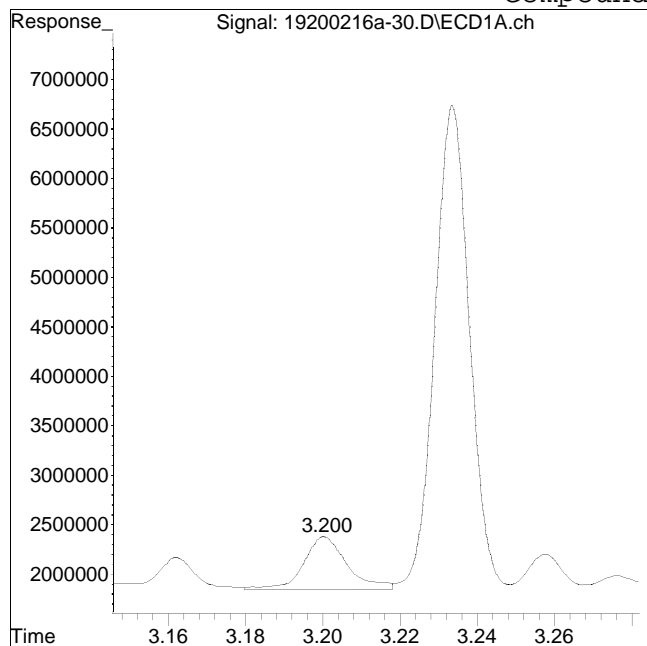
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #12: 1260-4



Original Peak Response = 4254026

Manual Peak Response = 29805638 M2

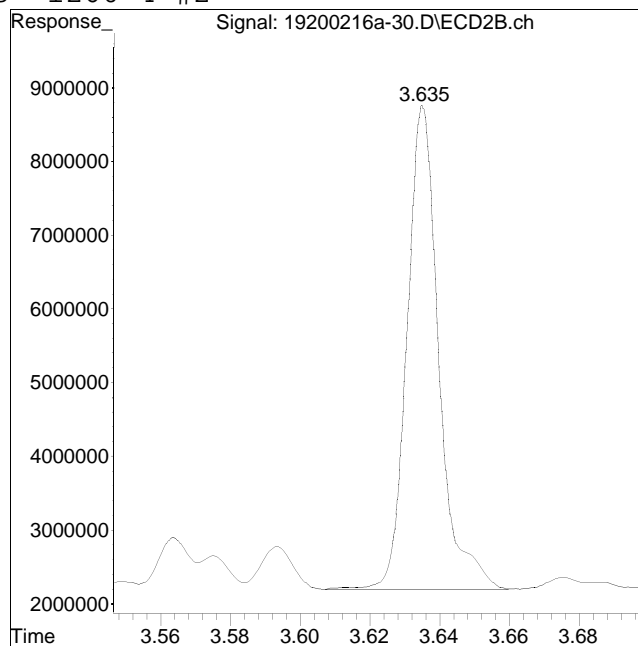
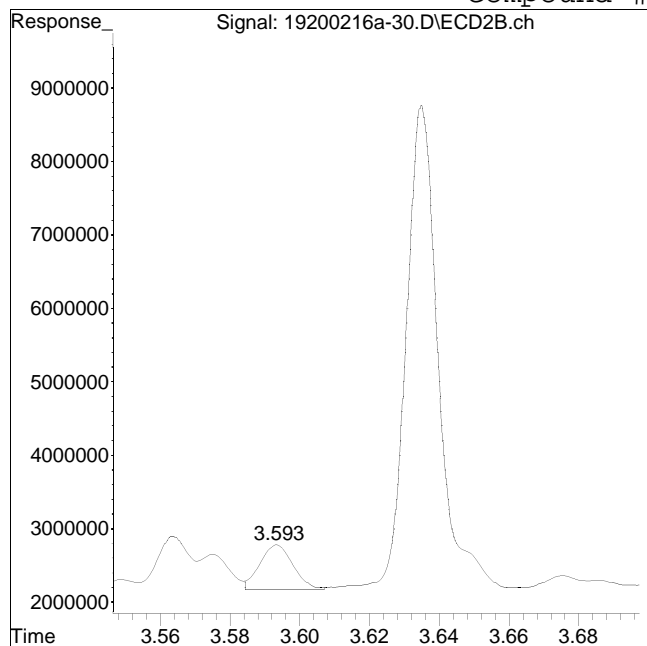
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #63: 1260-4 #2



Original Peak Response = 4068569

Manual Peak Response = 41712737 M2

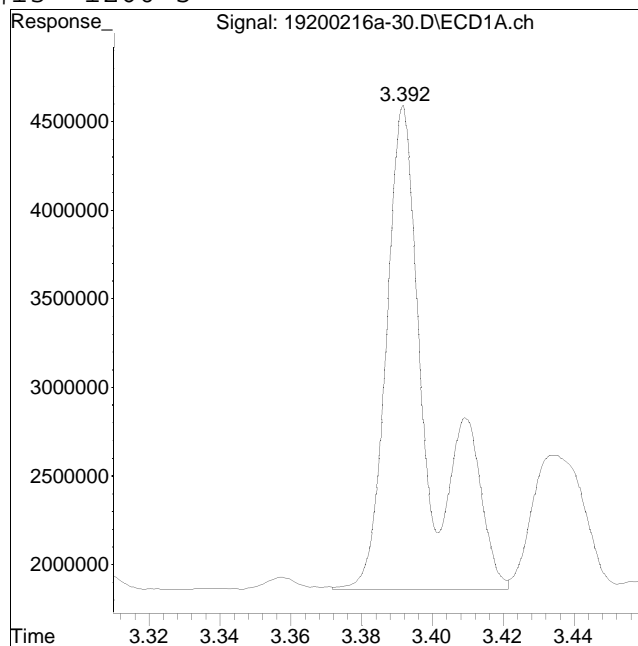
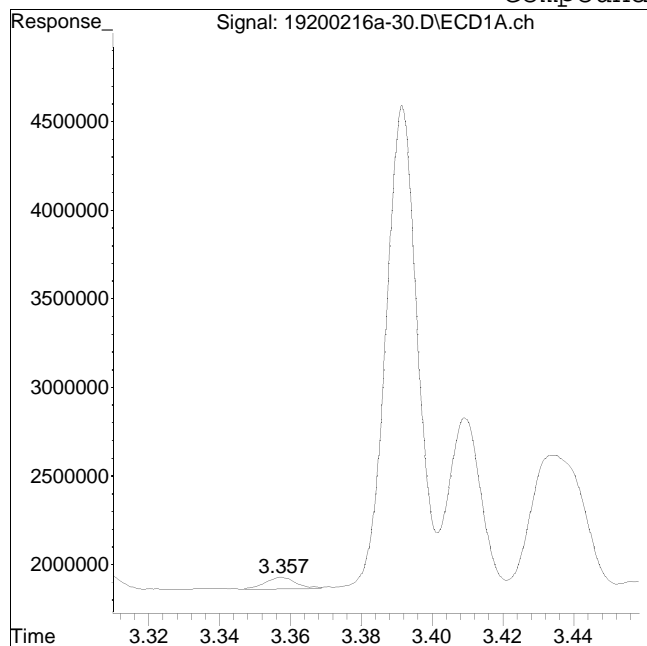
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #13: 1260-5



Original Peak Response = 383532

Manual Peak Response = 22840995 M2

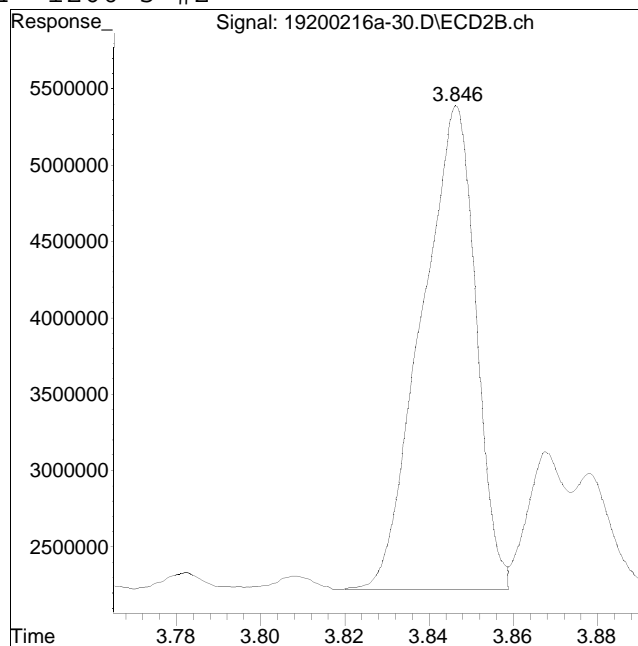
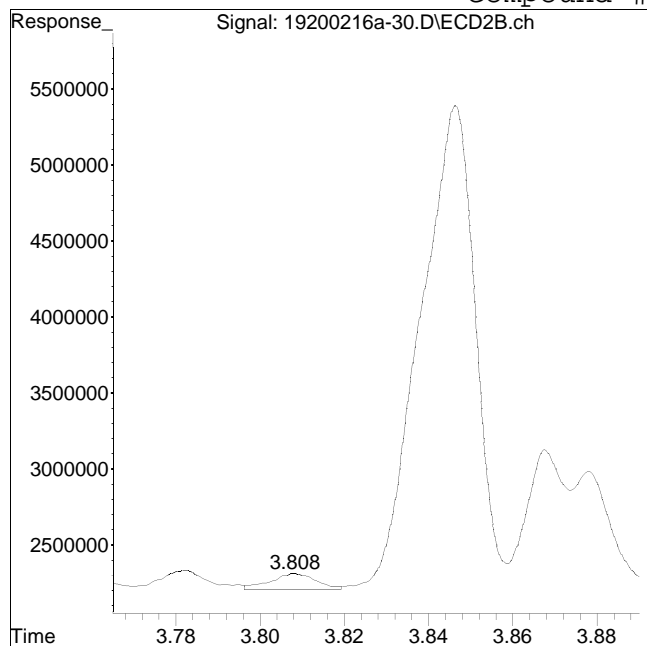
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200216a\
Data File : 19200216a-30.D
Date Inj'd : 2/16/2020 3:55 pm
Sample : 12006460-22,42e,,rrs

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:jm
Instrument : Pest 19
Quant Date : 2/16/2020 4:14 pm

Compound #64: 1260-5 #2



Original Peak Response = 791376

Manual Peak Response = 28379843 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200215A\
 Data File : P2200215a-09.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Feb 2020 12:10 pm
 Operator : pest2:ht
 Sample : l2006460-29,42e,,
 Misc : wgl341120,wgl340470,ical16010
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 00:36:43 2020
 Quant Method : I:\Pest2\200215A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200215A\P2200215a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.106	2.295	97277265	71171989	25.000	25.000
Standard Area 1 : #1 = 83728673					Recovery =	116.18%
Standard Area 1 : #2 = 61158422					Recovery =	116.37%
14) i 2154_1br2nb	2.106	2.295	97277265	71171989	25.000	25.000
23) i 4268_1br2nb	2.106	2.295	97277265	71171989	25.000	25.000
34) i 1248_1br2nb	2.106	2.295	97277265	71171989	25.000	25.000
40) i 3262_1br2nb	2.106	2.295	97277265	71171989	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.586	2.938	58587936	43794037	14.679	14.604
Spiked Amount 20.000	Range 30 - 150				Recovery =	73.39% 73.02%
3) s Decachlorobi	6.579	7.271	51155824	36857324	13.351	15.722
Spiked Amount 20.000	Range 30 - 150				Recovery =	66.76% 78.61%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200215A\
 Data File : P2200215a-09.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Feb 2020 12:10 pm
 Operator : pest2:ht
 Sample : l2006460-29,42e,,
 Misc : wg1341120,wg1340470,ical16010
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 00:36:43 2020
 Quant Method : I:\Pest2\200215A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200215A\P2200215a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31)	19 1268-3	0.000	0.000	0	0	N.D.	N.D.
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200215A\
 Data File : P2200215a-09.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Feb 2020 12:10 pm
 Operator : pest2:ht
 Sample : 12006460-29,42e,,
 Misc : wgl341120,wgl340470,ical16010
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 00:36:43 2020
 Quant Method : I:\Pest2\200215A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200215A\P2200215a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D.	N.D.
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

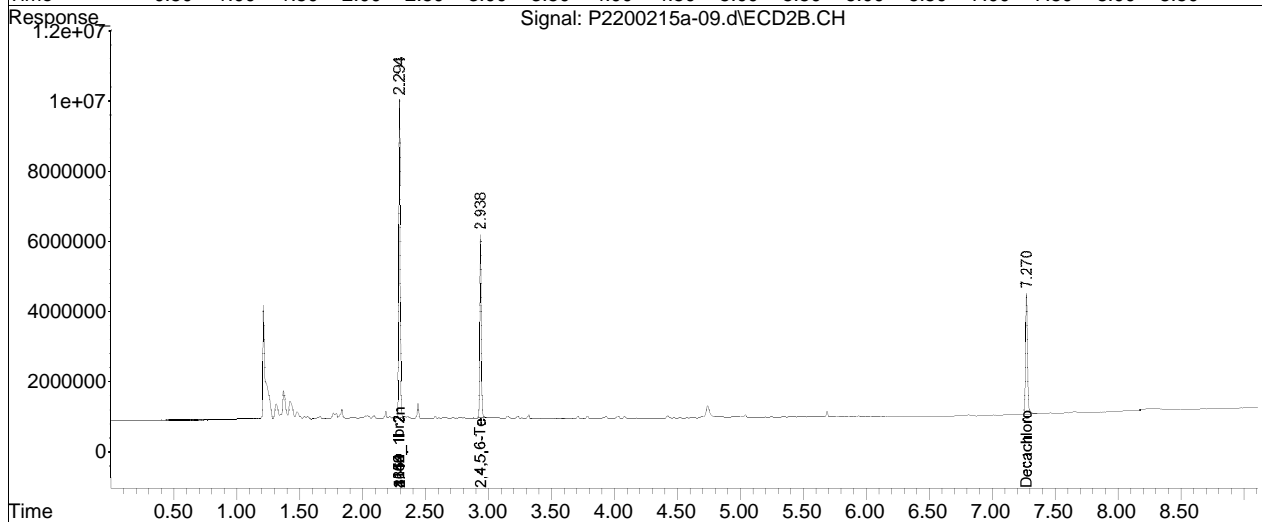
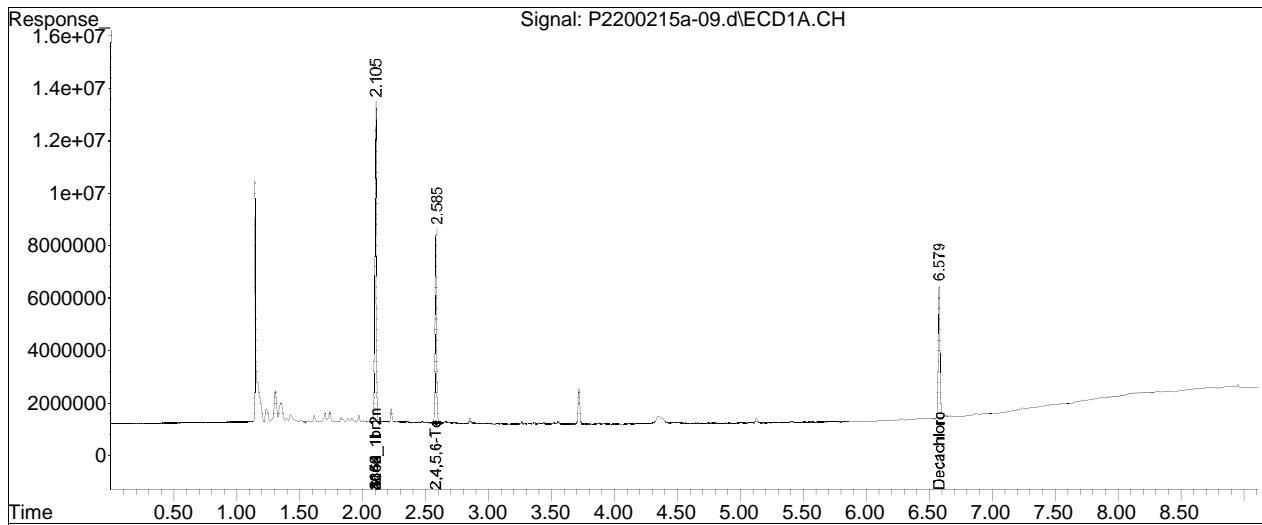
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200215A\
Data File : P2200215a-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Feb 2020 12:10 pm
Operator : pest2:ht
Sample : l2006460-29,42e,,
Misc : wg1341120,wg1340470,ical16010
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 00:36:43 2020
Quant Method : I:\Pest2\200215A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 13 20:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest2\200215A\ Data File	: P200215a-09.d	QMethod	: P2_pcb_08_06_19_LVI_ugL_
Date Inj'd	: 2/15/2020 12:10 pm		Operator	: pest2:ht
Sample	: 12006460-29,42e,,		Instrument	: PEST 2
			Quant Date	: 2/19/2020 0:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:09 pm
 Operator : pest23:cw
 Sample : l2006460-04,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:17:55 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1)	i 1660_1br2nb	0.924	1.072	25500452	26501349	250.000M4	250.000M4
	Standard Area 1 : #1 = 24557365					Recovery = 103.84%	
	Standard Area 1 : #2 = 25079144					Recovery = 105.67%	
14)	i 2154_1br2nb	0.924	1.072	25500452	26501349	250.000M4	250.000M4
23)	i 4268_1br2nb	0.924	1.072	25500452	26501349	250.000M4	250.000M4
34)	i 1248_1br2nb	0.924	1.072	25500452	26501349	250.000M4	250.000M4
40)	i 3262_1br2nb	0.924	1.072	25500452	26501349	250.000M4	250.000M4
System Monitoring Compounds							
2)	s 2,4,5,6-Tetr	1.164	1.418	27021384	25914021	173.348	176.922M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 34.67%		35.38%	
3)	s Decachlorobi	3.529	4.226	19822196	18980139	180.782M4	143.583
	Spiked Amount 500.000 Range 30 - 150			Recovery = 36.16%		28.72%#	
Target Compounds							
4)	l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5)	l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6)	l1 1016-3	0.000	0.000	0	0	N.D. d	N.D.
7)	l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8)	l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9)	l2 1260-1	2.273	2.787	2761481	2737706	357.909	336.732M4
10)	l2 1260-2	2.390	2.887	5687438	4540023	482.808	473.122M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:09 pm
 Operator : pest23:cw
 Sample : 12006460-04,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:17:55 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) 12	1260-3	2.683	3.263	3012860	2678868	413.013	328.405M2
12) 12	1260-4	2.827	3.393	7700157	7327576	493.490	436.627
13) 12	1260-5	2.967	3.590	3999847	5226020	480.881	439.545
	Sum 1260-1			23161782	22510192	2228.101	2014.431
	Average 1260-1					445.620	402.886
15) 13	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:09 pm
 Operator : pest23:cw
 Sample : 12006460-04,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:17:55 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D.
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D.
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D.
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:09 pm
 Operator : pest23:cw
 Sample : 12006460-04,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:17:55 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

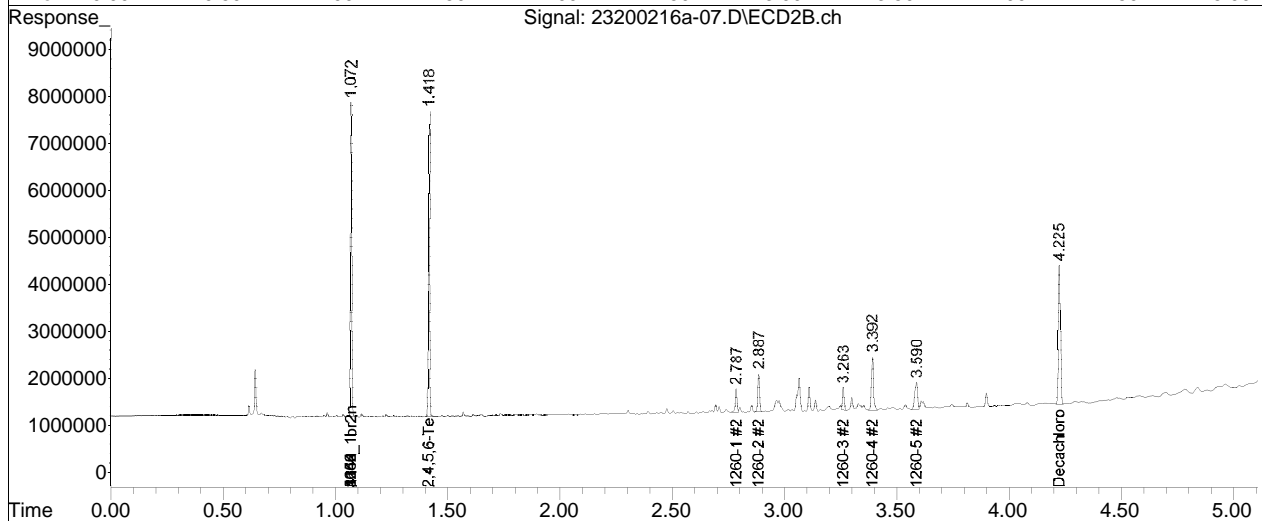
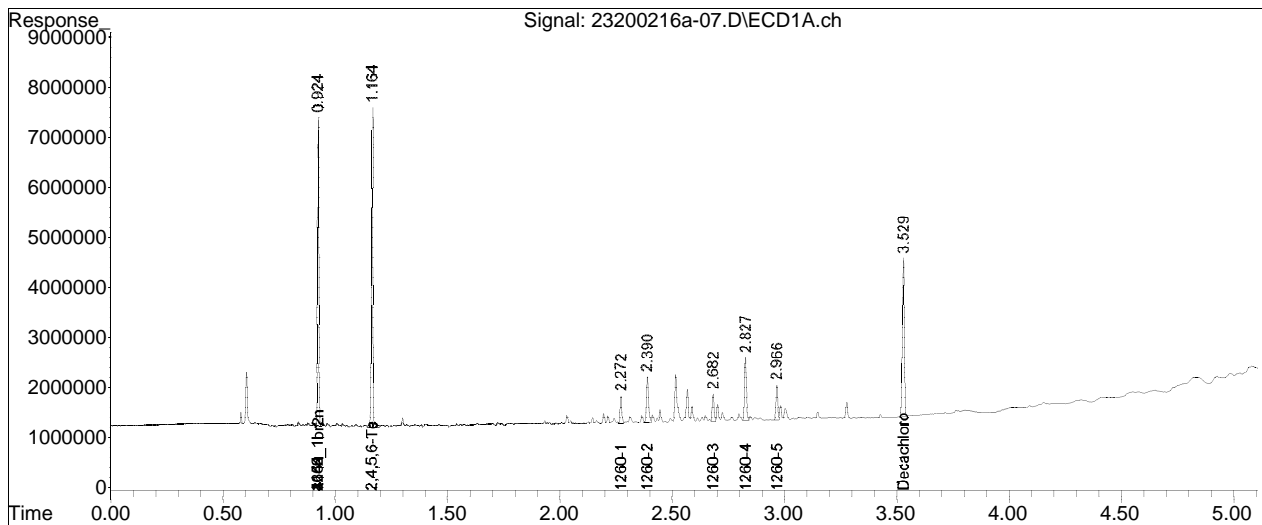
Sub List : Default - All compounds listed16a\23200216a-02.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 12:09 pm
Operator : pest23:cw
Sample : 12006460-04,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:17:55 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

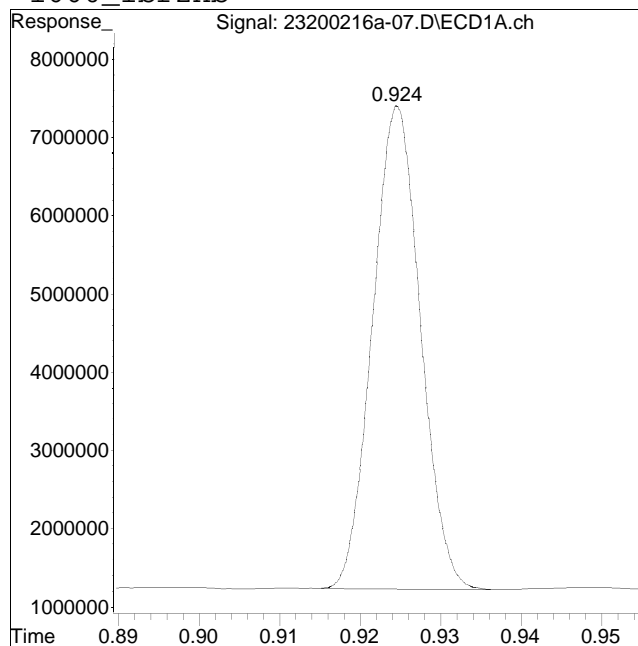
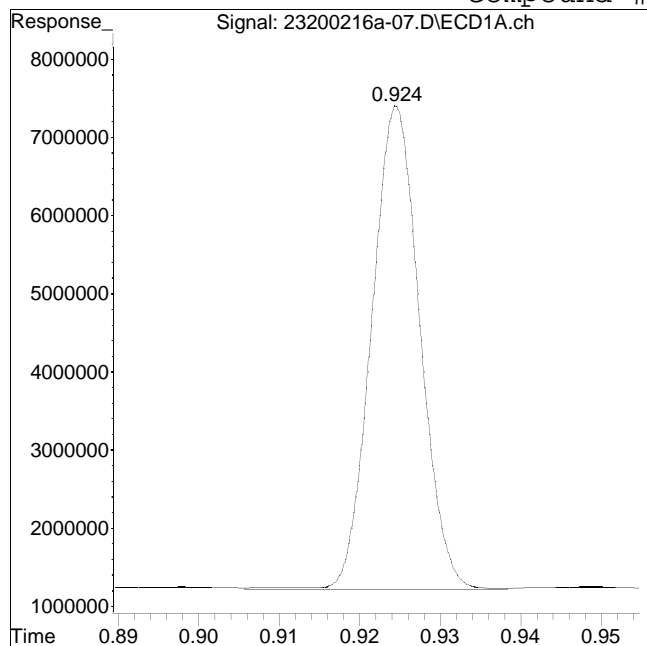
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-07.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:09 pm Instrument : Pest 23
Sample : 12006460-04,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #1: 1660_1br2nb



Original Peak Response = 25867184

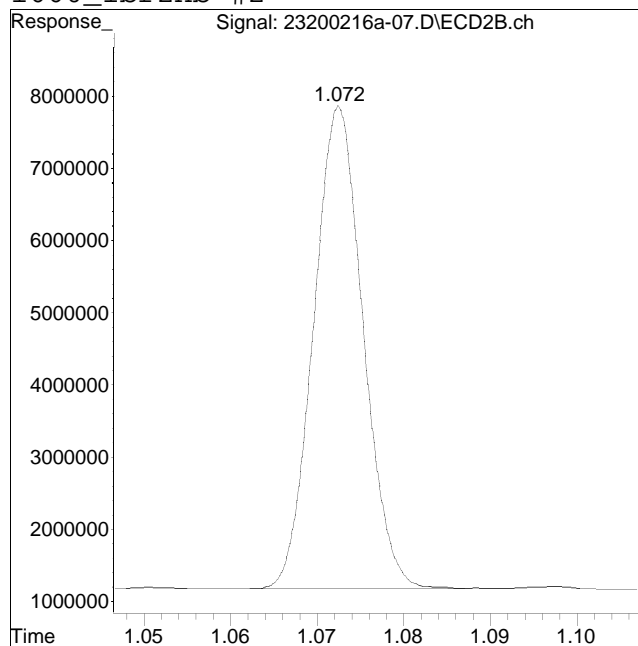
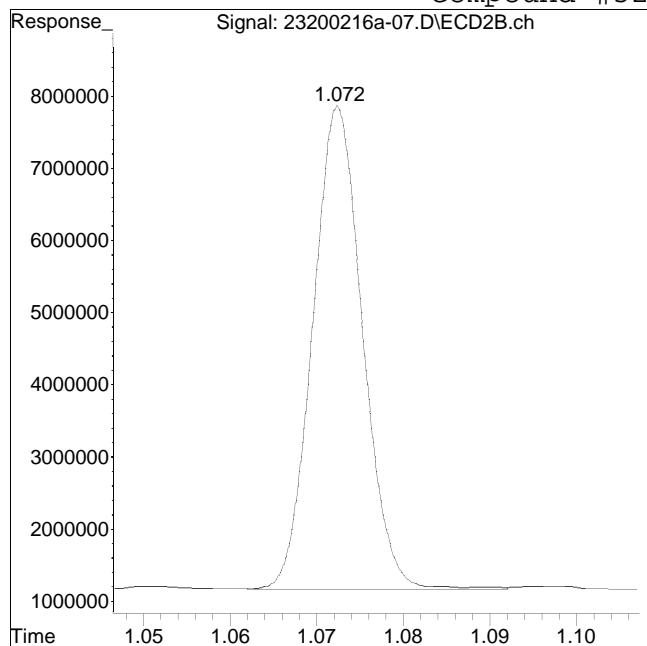
Manual Peak Response = 25500452 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-07.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:09 pm Instrument : Pest 23
Sample : 12006460-04,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 26889676

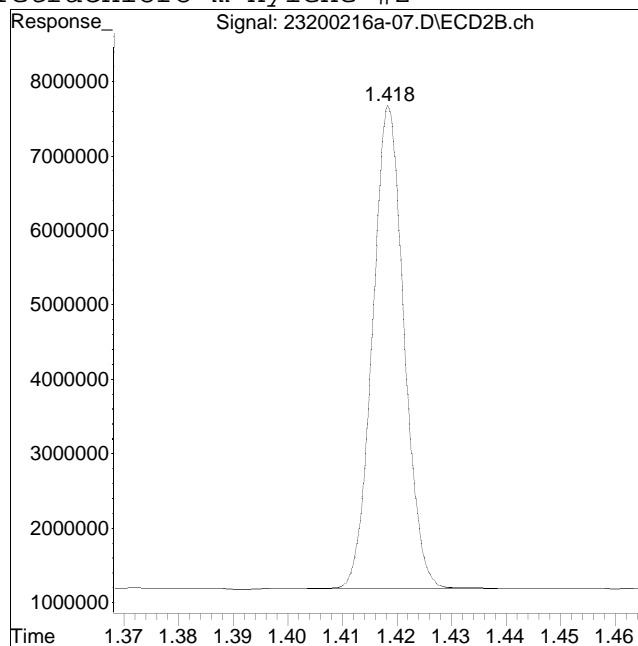
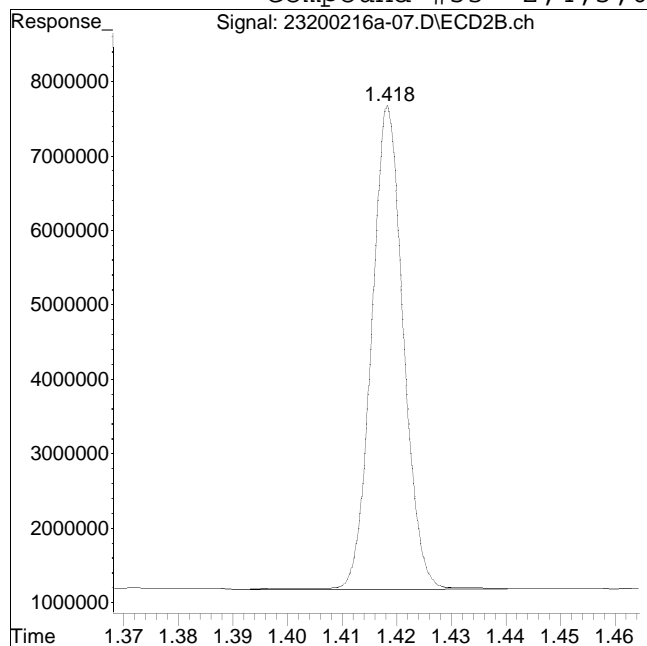
Manual Peak Response = 26501349 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-07.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:09 pm Instrument : Pest 23
Sample : 12006460-04,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 26228589

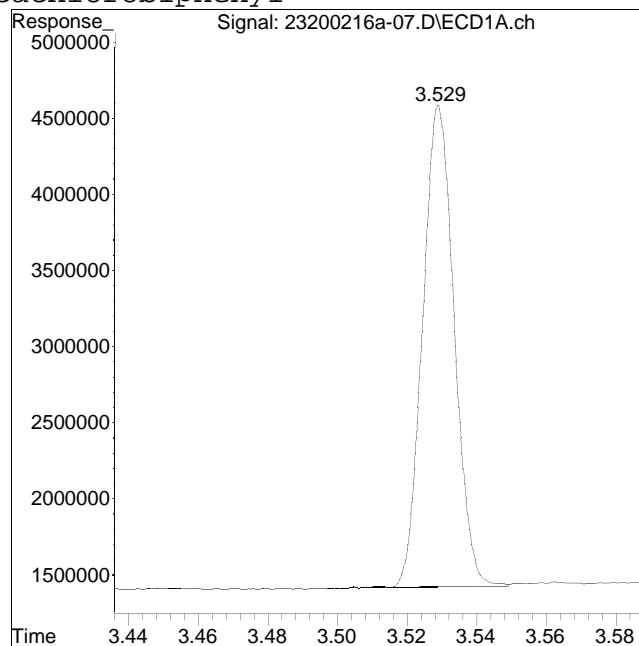
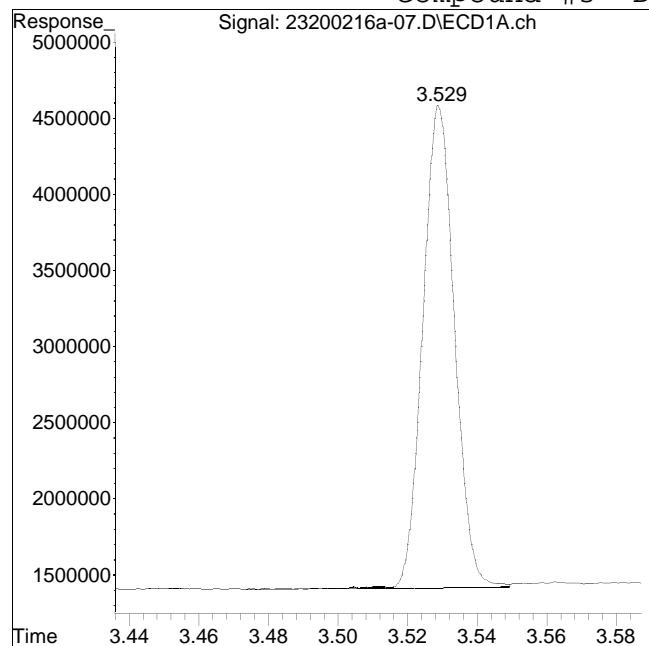
Manual Peak Response = 25914021 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-07.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:09 pm Instrument : Pest 23
Sample : 12006460-04,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 20056790

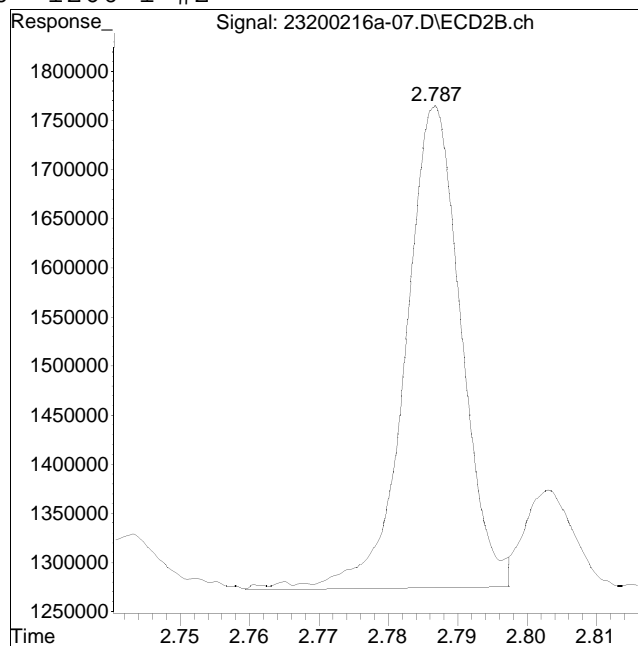
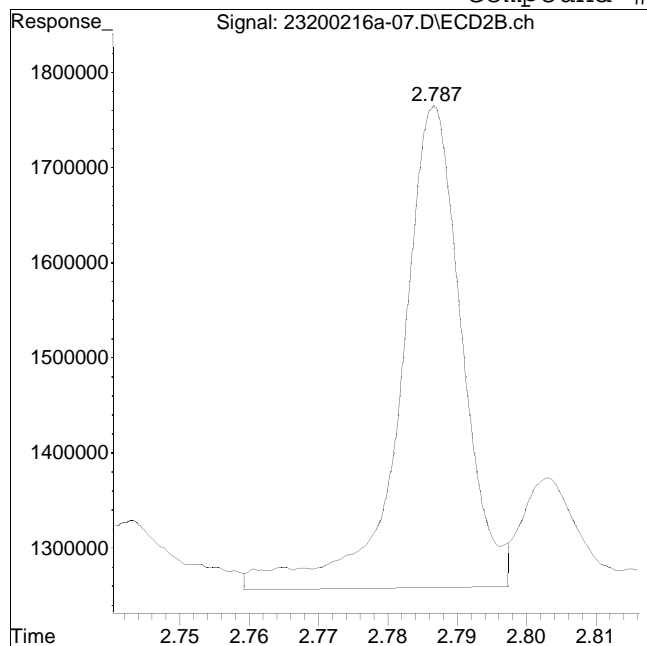
Manual Peak Response = 19822196 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-07.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:09 pm Instrument : Pest 23
Sample : 12006460-04,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #60: 1260-1 #2



Original Peak Response = 3092144

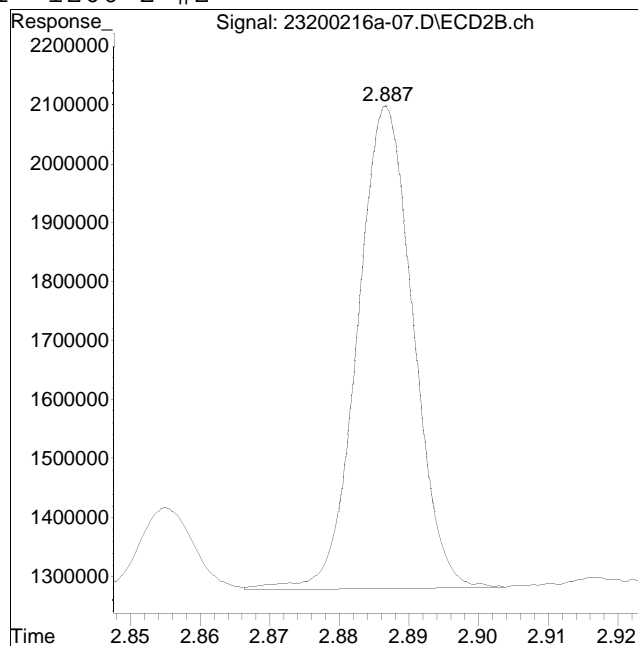
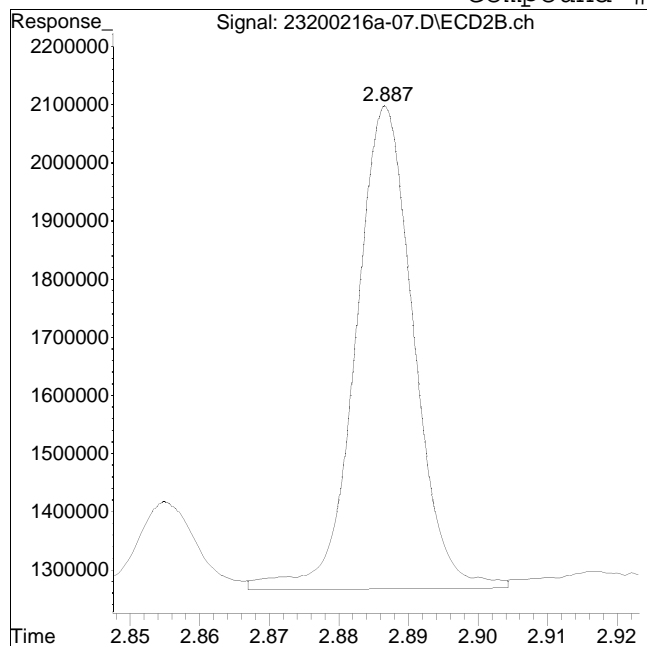
Manual Peak Response = 2737706 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-07.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:09 pm Instrument : Pest 23
Sample : 12006460-04,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #61: 1260-2 #2



Original Peak Response = 4812784

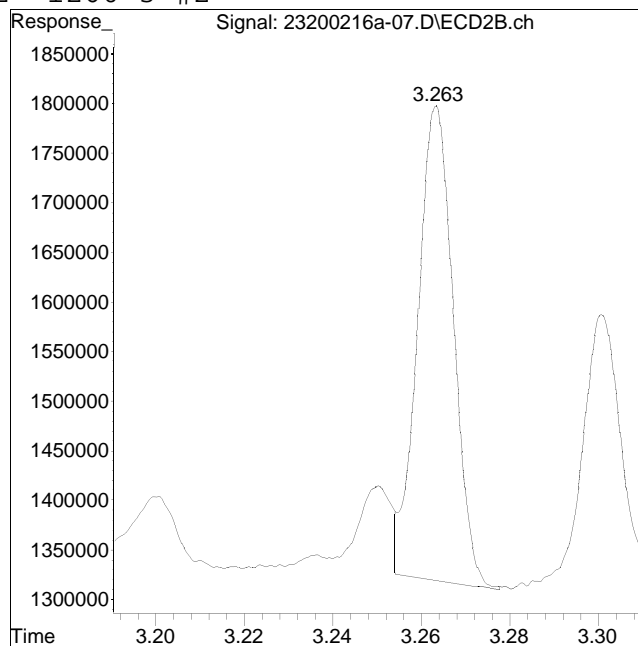
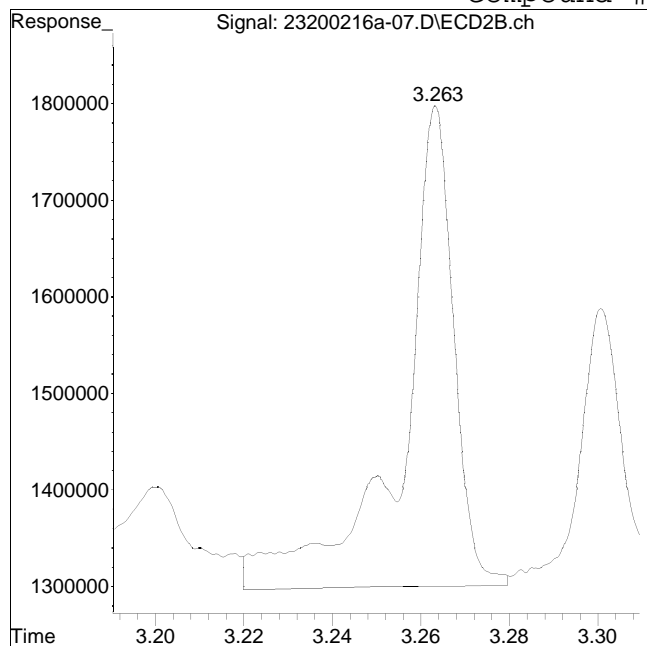
Manual Peak Response = 4540023 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-07.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:09 pm Instrument : Pest 23
Sample : 12006460-04,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #62: 1260-3 #2



Original Peak Response = 4115425

Manual Peak Response = 2678868 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:15 pm
 Operator : pest23:cw
 Sample : l2006460-05,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:24:17 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.925	1.073	26609931	27331180	250.000	250.000
Standard Area 1 : #1 = 24557365					Recovery =	108.36%
Standard Area 1 : #2 = 25079144					Recovery =	108.98%
14) i 2154_1br2nb	0.925	1.073	26609931	27331180	250.000	250.000
23) i 4268_1br2nb	0.925	1.073	26609931	27331180	250.000	250.000
34) i 1248_1br2nb	0.925	1.073	26609931	27331180	250.000	250.000
40) i 3262_1br2nb	0.925	1.073	26609931	27331180	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.419	31995177	31992778	196.698	211.792
Spiked Amount 500.000	Range 30 - 150				Recovery =	39.34%
3) s Decachlorobi	3.529	4.225	24171380	22765584	213.258	166.991M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	42.65%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.787	886142	1080927	110.062	128.915
10) l2 1260-2	2.389	2.887	1568222	1369725	127.576	138.407
11) l2 1260-3	2.682	3.263	1024254	831327	134.554M2	98.819M2
12) l2 1260-4	2.827	3.393	2394244	1970903	147.045M4	113.874
13) l2 1260-5	2.966	3.589	1210900	1494702	139.510	121.898
Sum 1260-1			7083763	6747583	658.748	601.913

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:15 pm
 Operator : pest23:cw
 Sample : 12006460-05,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:24:17 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					131.750	120.383
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D.
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:15 pm
 Operator : pest23:cw
 Sample : 12006460-05,42e,,
 Misc : wg1341233,wg1340879,ical16474
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:24:17 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:15 pm
 Operator : pest23:cw
 Sample : l2006460-05,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:24:17 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

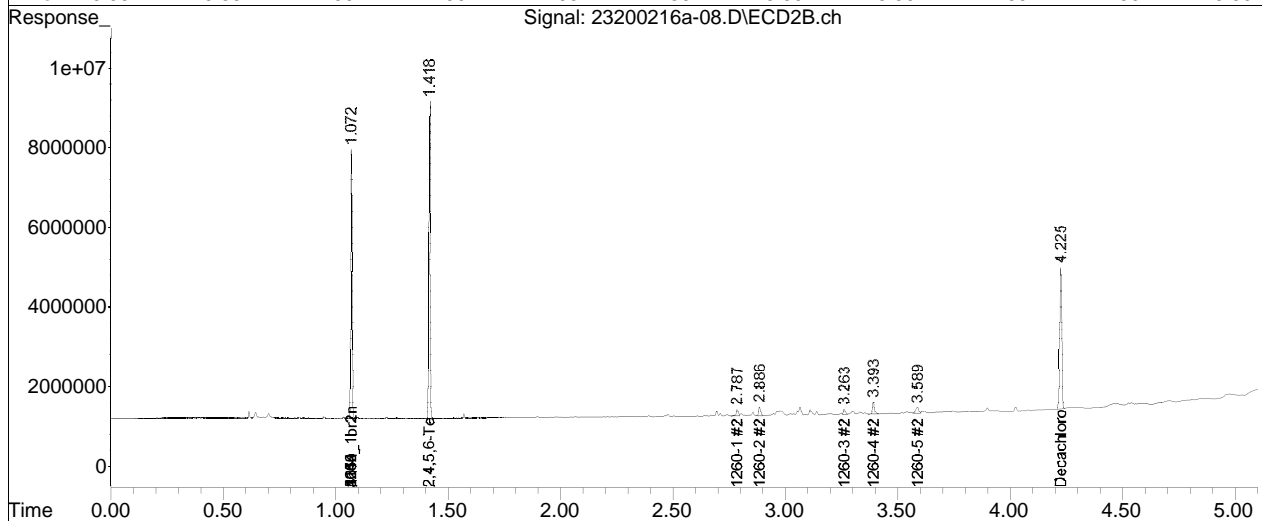
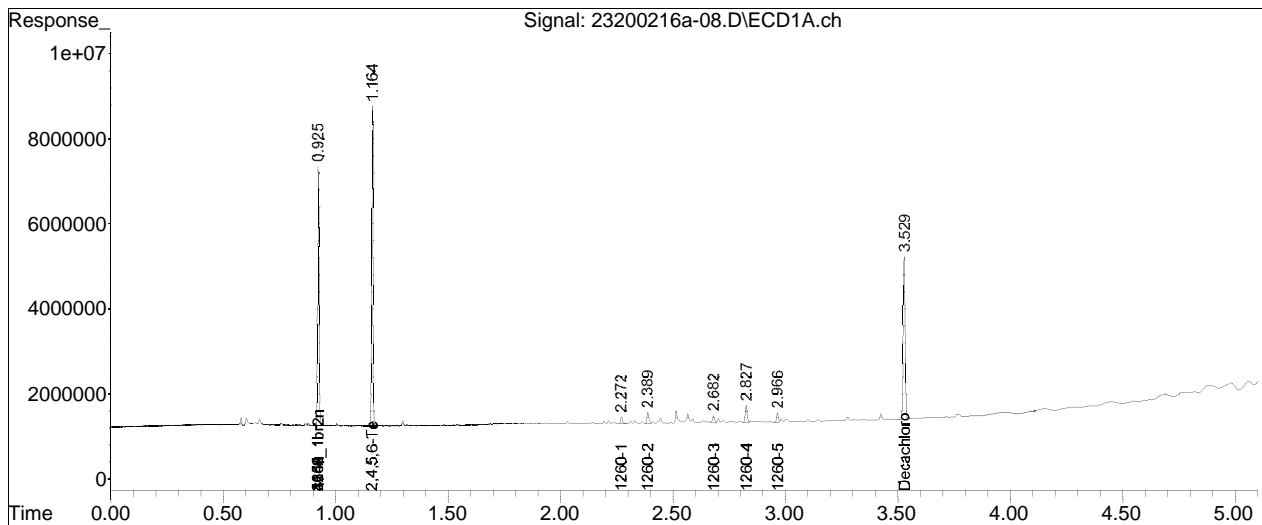
Sub List : Default - All compounds listed16a\23200216a-02.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 12:15 pm
Operator : pest23:cw
Sample : 12006460-05,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:24:17 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

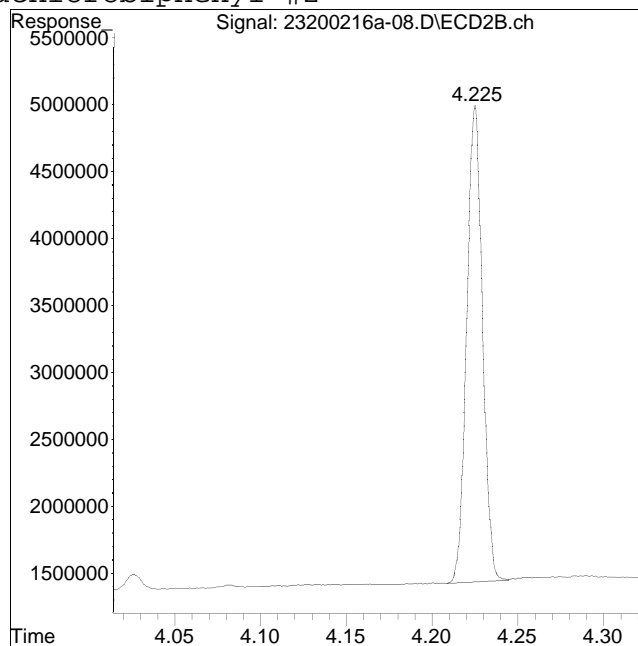
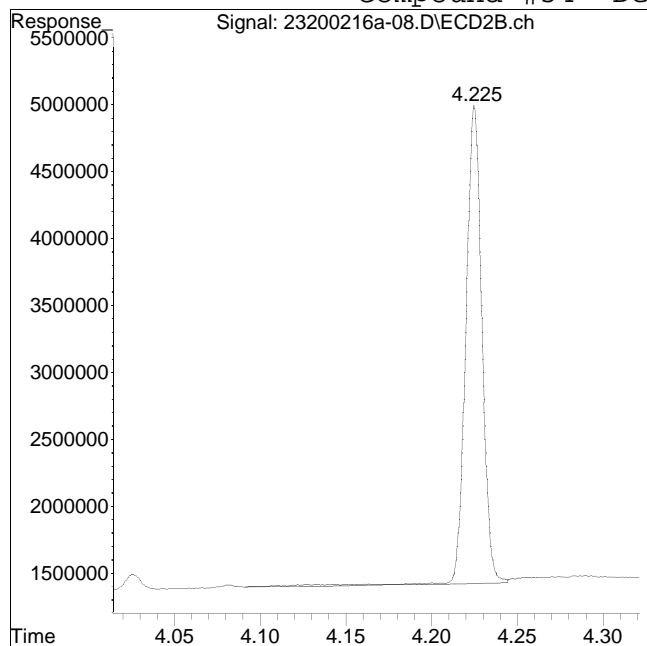
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-08.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:15 pm Instrument : Pest 23
Sample : 12006460-05,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 23493371

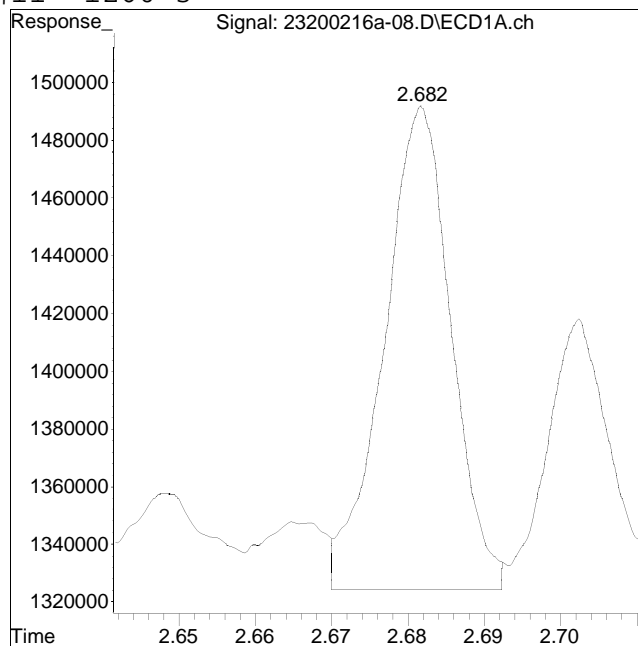
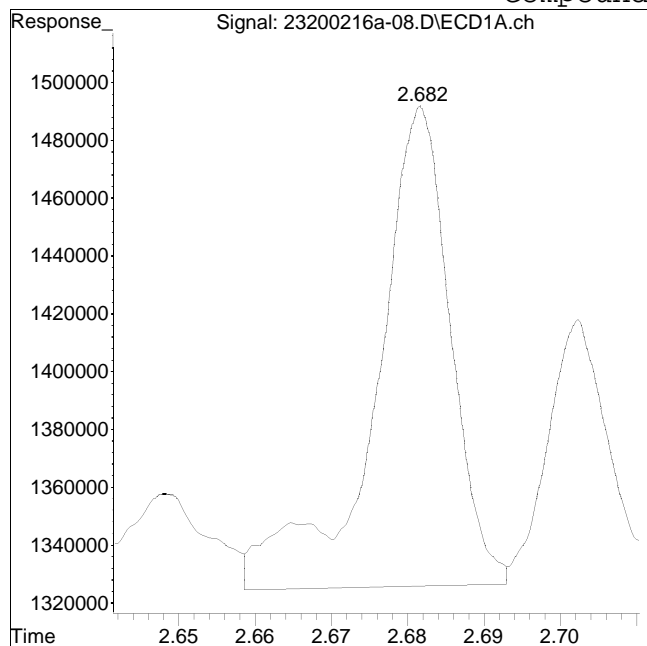
Manual Peak Response = 22765584 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-08.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:15 pm Instrument : Pest 23
Sample : 12006460-05,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #11: 1260-3



Original Peak Response = 1137268

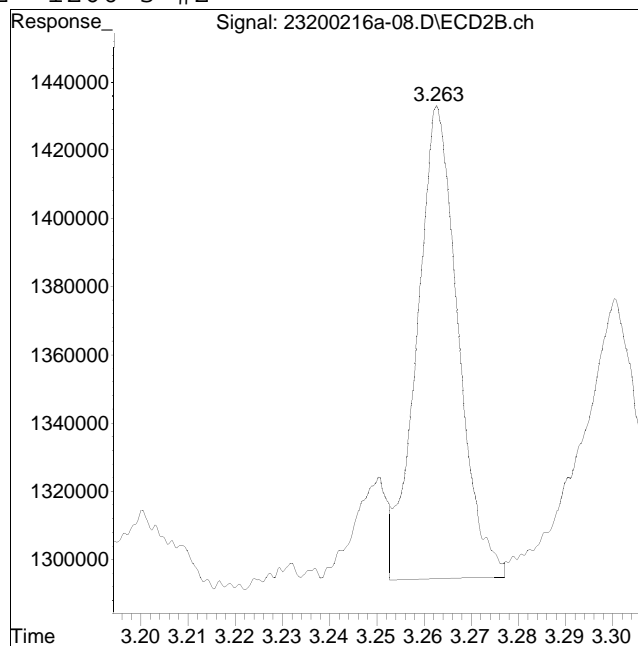
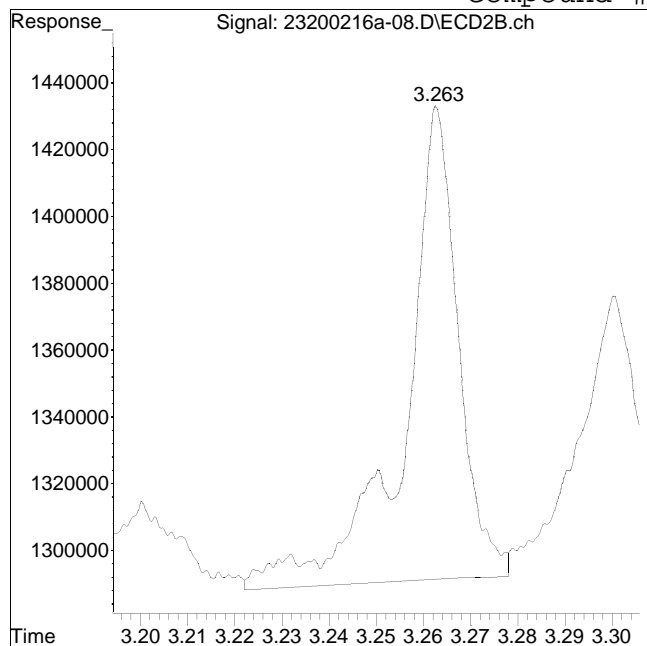
Manual Peak Response = 1024254 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-08.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:15 pm Instrument : Pest 23
Sample : 12006460-05,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #62: 1260-3 #2



Original Peak Response = 1122717

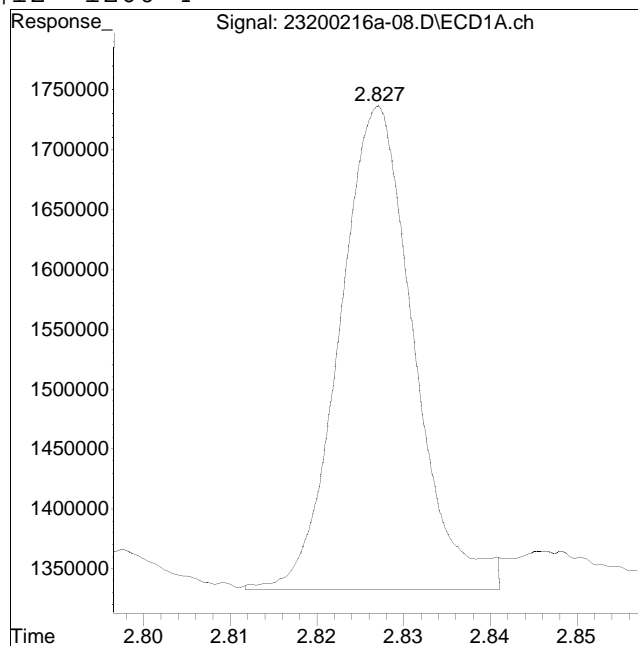
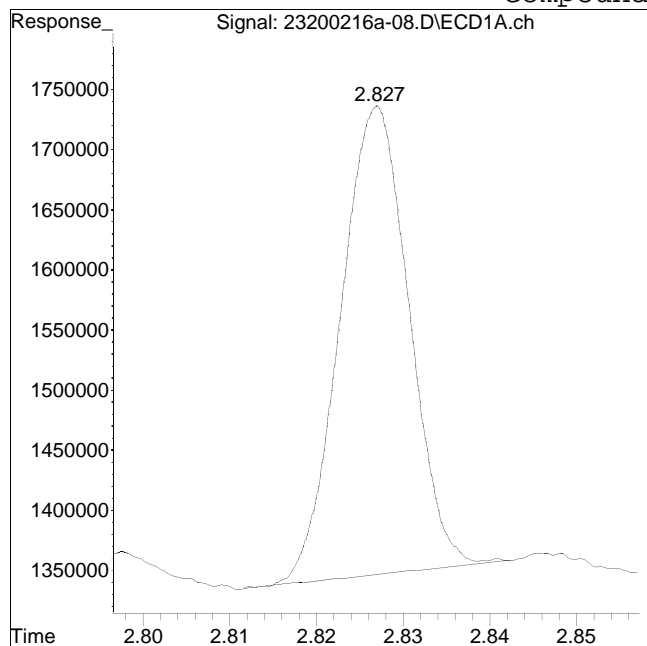
Manual Peak Response = 831327 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-08.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:15 pm Instrument : Pest 23
Sample : 12006460-05,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #12: 1260-4



Original Peak Response = 2134426

Manual Peak Response = 2394244 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-09.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:22 pm
 Operator : pest23:cw
 Sample : l2006460-07,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:26:15 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	0.924	1.072	26993058	27992084	250.000M4	250.000M4
	Standard Area 1 : #1 = 24557365				Recovery = 109.92%		
	Standard Area 1 : #2 = 25079144				Recovery = 111.61%		
14) i	2154_1br2nb	0.924	1.072	26993058	27992084	250.000M4	250.000M4
23) i	4268_1br2nb	0.924	1.072	26993058	27992084	250.000M4	250.000M4
34) i	1248_1br2nb	0.924	1.072	26993058	27992084	250.000M4	250.000M4
40) i	3262_1br2nb	0.924	1.072	26993058	27992084	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.164	1.418	26373509	25573496	159.836M4	165.299M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 31.97%		33.06%	
3) s	Decachlorobi	3.528	4.225	20486921	20167611	176.232	144.442
	Spiked Amount 500.000 Range 30 - 150			Recovery = 35.25%		28.89%#	
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	2.272	2.786	38134977	41027351	4669.274M2	4777.538

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-09.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:22 pm
 Operator : pest23:cw
 Sample : 12006460-07,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:26:15 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10)	12 1260-2	2.389	2.886	71448152	61000294	5729.871M2	6018.378
11)	12 1260-3	2.682	3.263	41057508	51798882	5317.075	6011.896
12)	12 1260-4	2.826	3.392	106.2E6	105.6E6	6431.767M2	5956.200
13)	12 1260-5	2.966	3.589	75975423	73808944	8629.052	5877.245
	Sum 1260-1			332.8E6	333.2E6	30777.039	28641.257
	Average 1260-1					6155.408	5728.251
15)	13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-09.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:22 pm
 Operator : pest23:cw
 Sample : 12006460-07,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:26:15 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-09.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:22 pm
 Operator : pest23:cw
 Sample : 12006460-07,42e,,
 Misc : wg1341233,wg1340879,ical16474
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:26:15 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

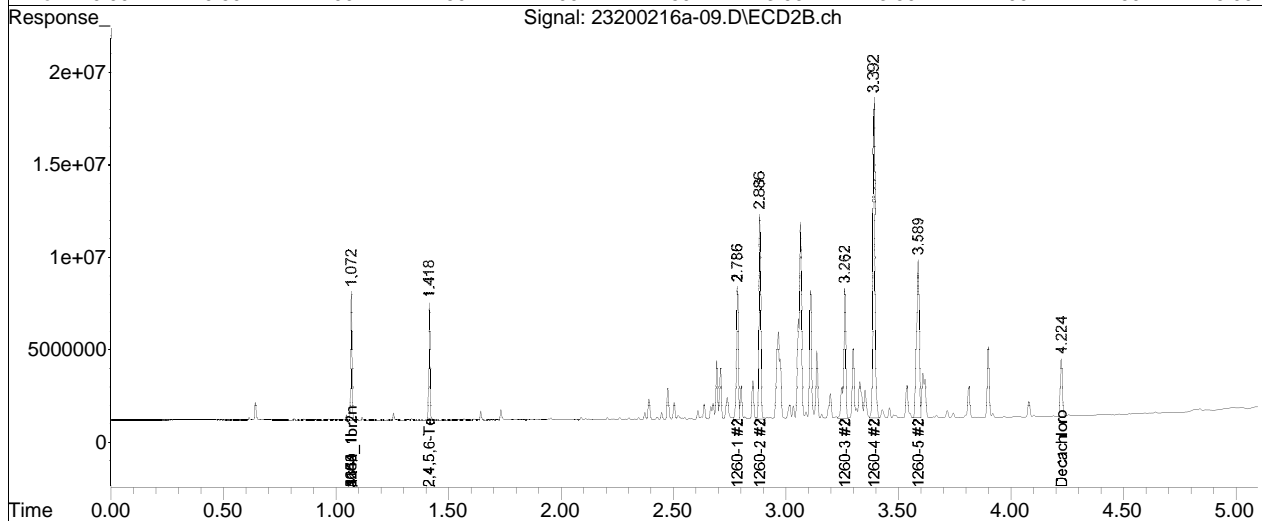
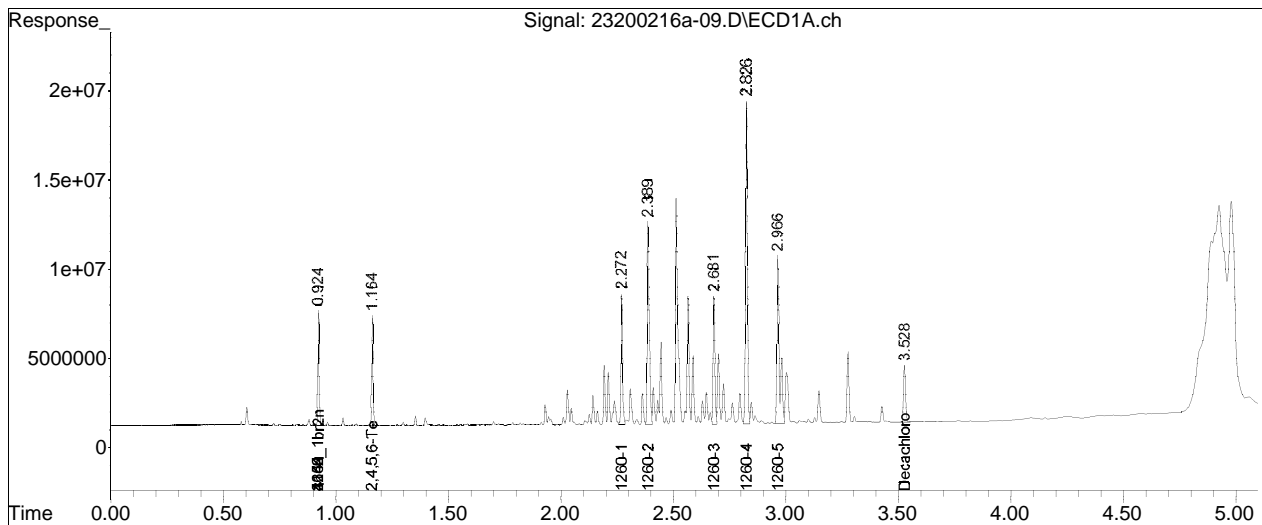
Sub List : Default - All compounds listed16a\23200216a-02.D••

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 12:22 pm
Operator : pest23:cw
Sample : 12006460-07,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:26:15 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

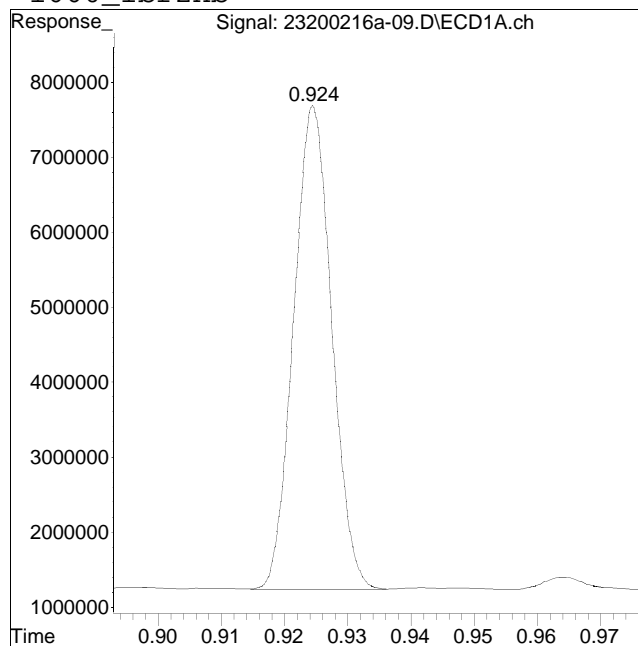
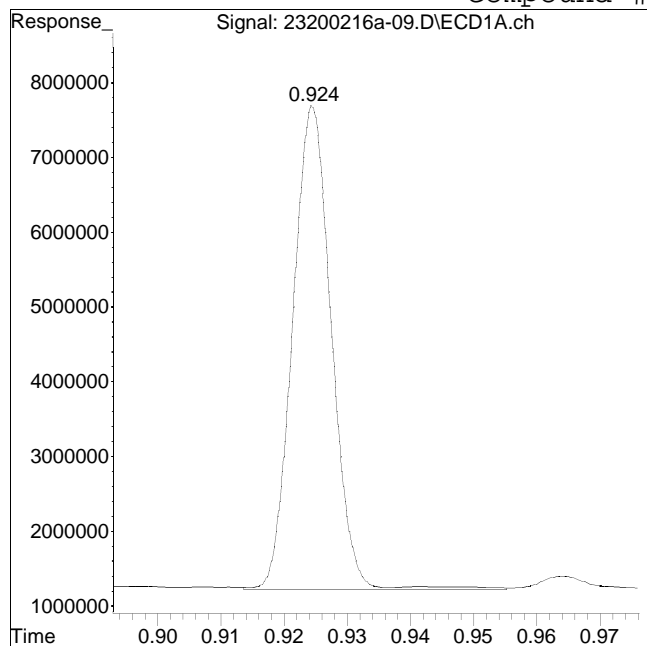
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-09.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:22 pm Instrument : Pest 23
Sample : 12006460-07,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #1: 1660_1br2nb



Original Peak Response = 27682683

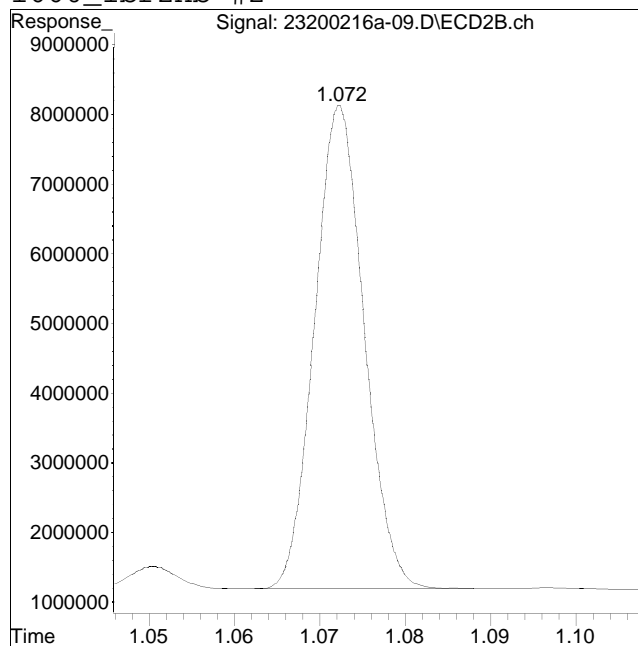
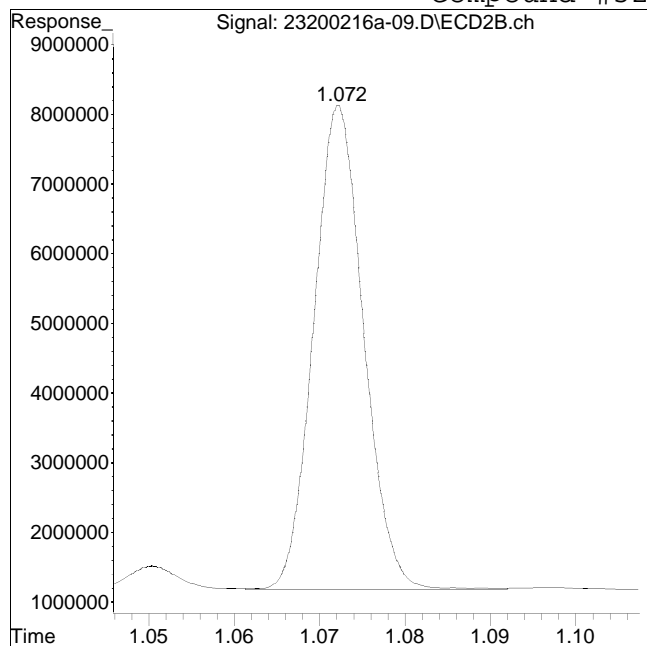
Manual Peak Response = 26993058 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-09.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:22 pm Instrument : Pest 23
Sample : 12006460-07,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 28375459

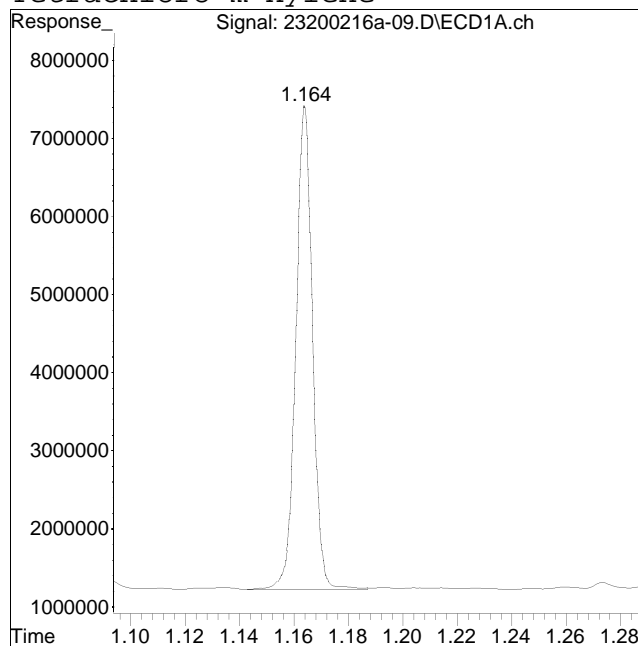
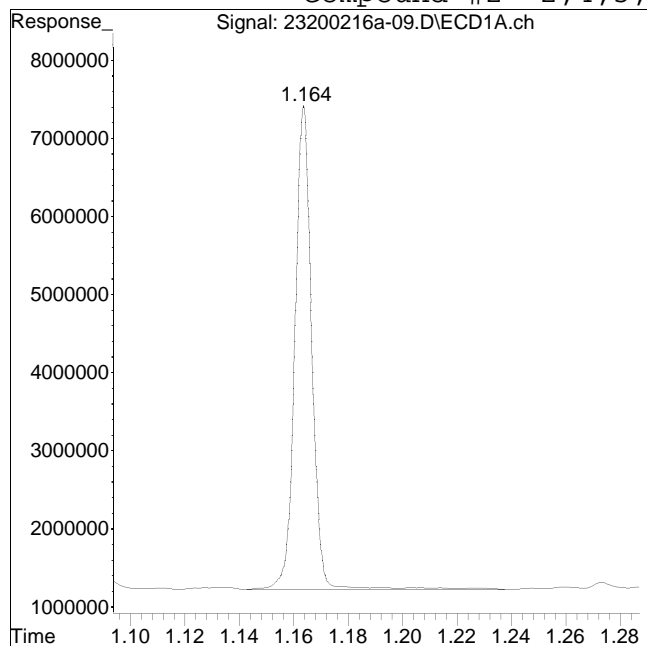
Manual Peak Response = 27992084 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-09.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:22 pm Instrument : Pest 23
Sample : 12006460-07,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 27039035

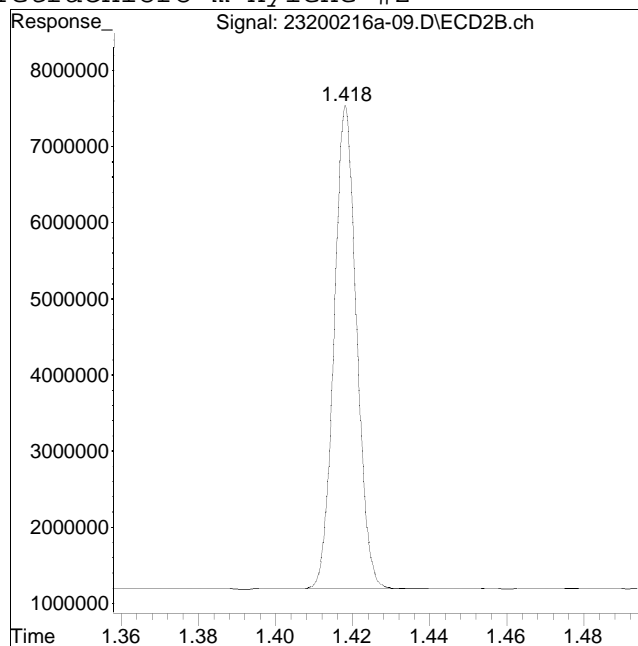
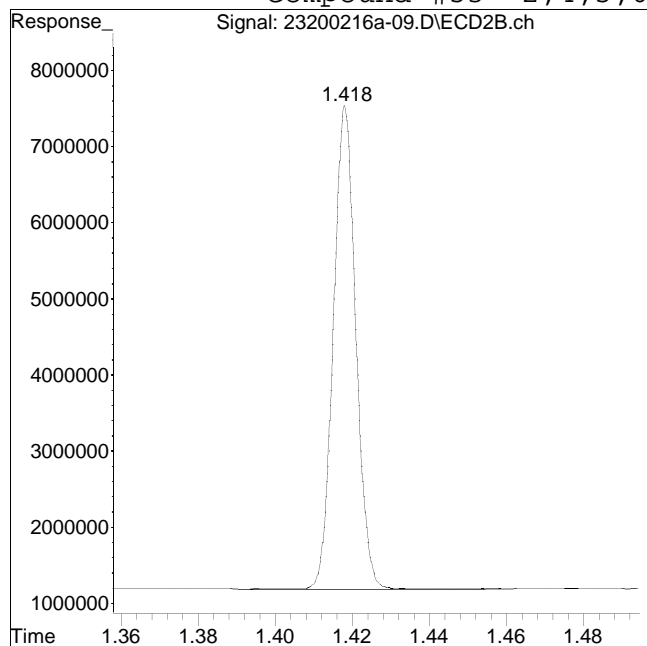
Manual Peak Response = 26373509 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-09.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:22 pm Instrument : Pest 23
Sample : 12006460-07,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 26128755

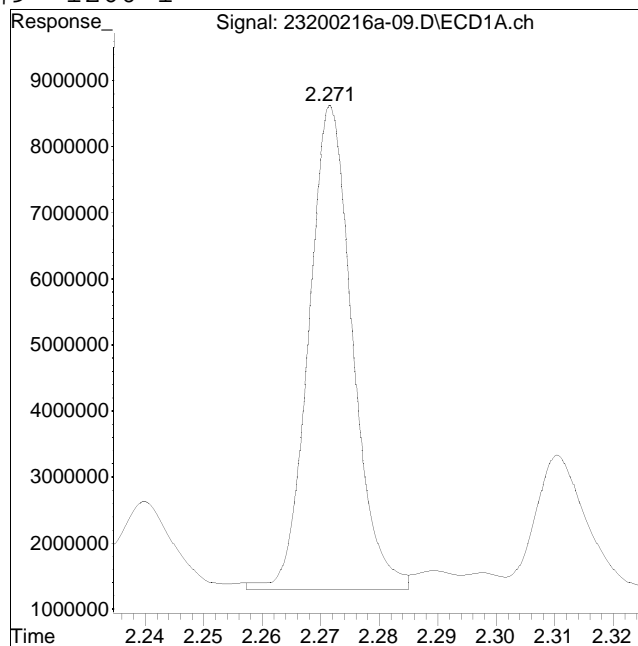
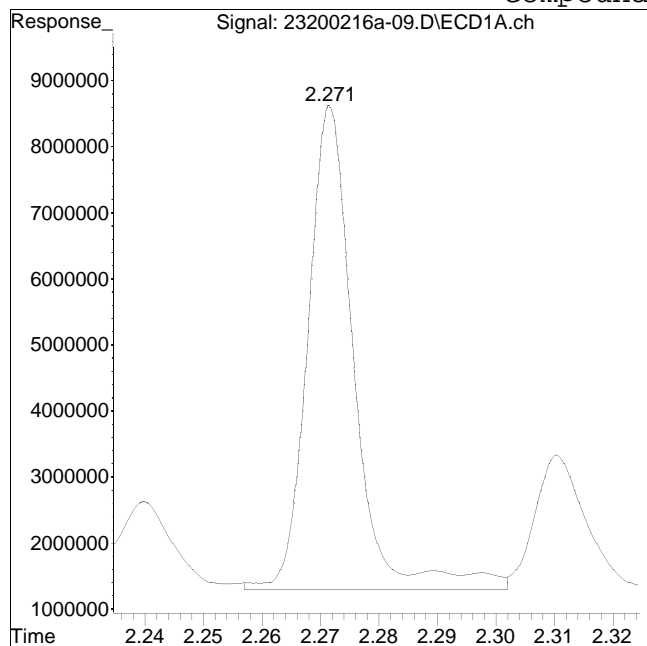
Manual Peak Response = 25573496 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-09.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:22 pm Instrument : Pest 23
Sample : 12006460-07,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #9: 1260-1



Original Peak Response = 40534559

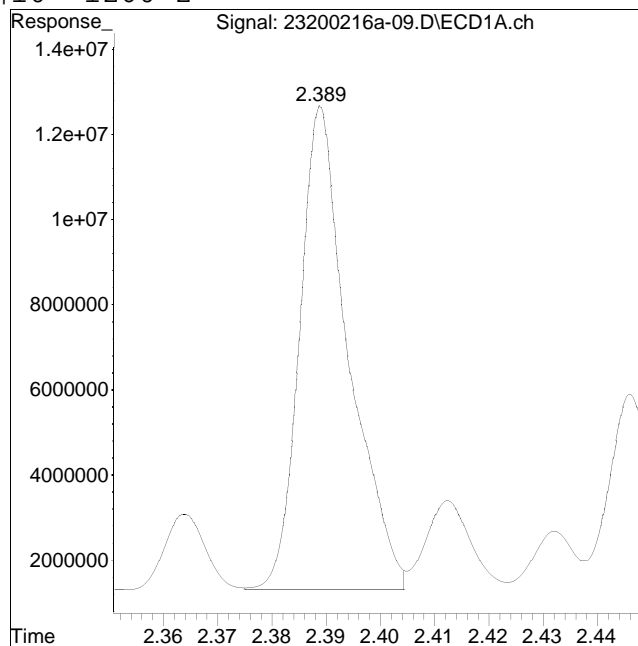
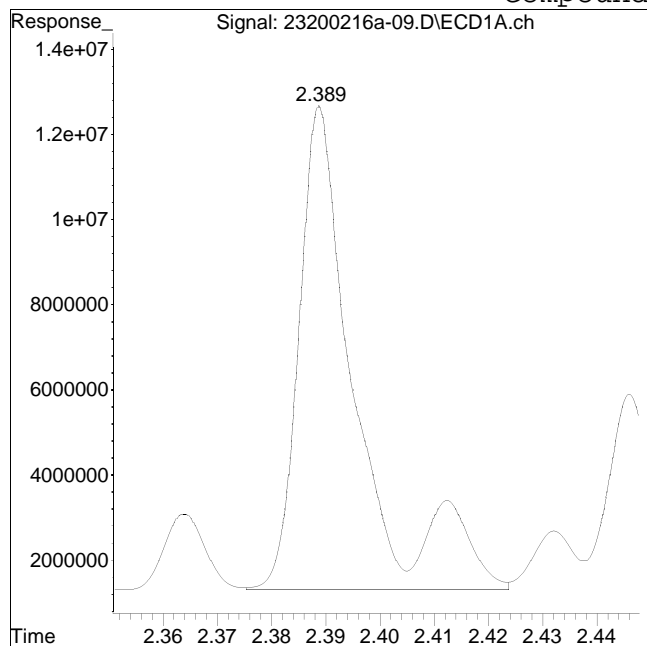
Manual Peak Response = 38134977 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-09.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:22 pm Instrument : Pest 23
Sample : 12006460-07,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #10: 1260-2



Original Peak Response = 83729167

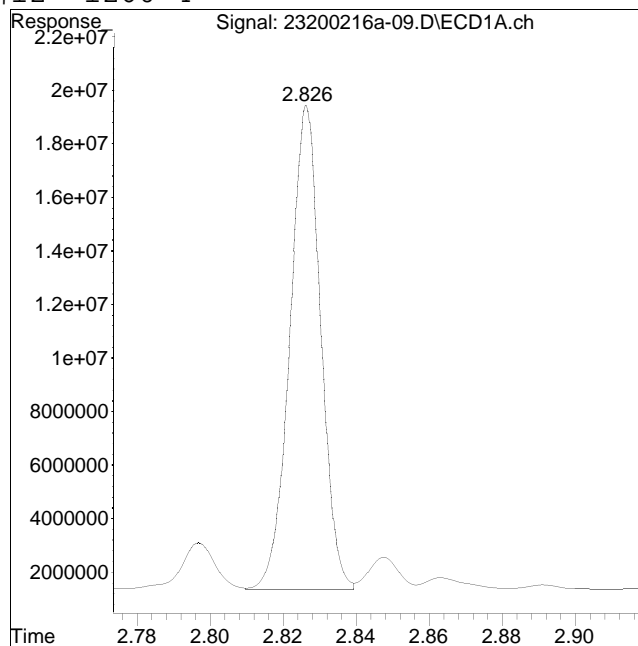
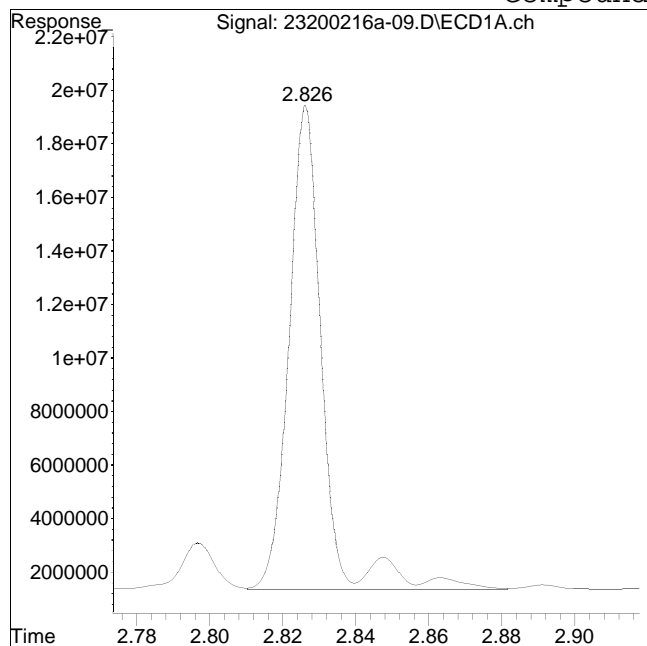
Manual Peak Response = 71448152 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-09.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:22 pm Instrument : Pest 23
Sample : 12006460-07,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #12: 1260-4



Original Peak Response = 116875499

Manual Peak Response = 106232069 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-10.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:29 pm
 Operator : pest23:cw
 Sample : l2006460-08,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:41:01 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.072	26951990	27466153	250.000	250.000
Standard Area 1 : #1 = 24557365					Recovery =	109.75%
Standard Area 1 : #2 = 25079144					Recovery =	109.52%
14) i 2154_1br2nb	0.924	1.072	26951990	27466153	250.000	250.000
23) i 4268_1br2nb	0.924	1.072	26951990	27466153	250.000	250.000
34) i 1248_1br2nb	0.924	1.072	26951990	27466153	250.000	250.000
40) i 3262_1br2nb	0.924	1.072	26951990	27466153	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.418	34900942	34780014	211.838	229.112
Spiked Amount 500.000	Range 30 - 150				Recovery =	42.37%
3) s Decachlorobi	3.528	4.225	24837570	24247980	216.527M4	176.991
Spiked Amount 500.000	Range 30 - 150				Recovery =	43.31%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	0.000	288309	0	35.355M2	N.D. d
10) l2 1260-2	2.389	2.887	599660	482442	48.164	48.510
11) l2 1260-3	2.679	3.262	454369	386413	58.932M2	45.707M2
12) l2 1260-4	2.826	3.392	739772	623908	44.857M2	35.871
13) l2 1260-5	2.966	3.588	355937	373145	40.488	30.282
Sum 1260-1			2438047	1865907	227.795	160.369

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-10.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:29 pm
 Operator : pest23:cw
 Sample : 12006460-08,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:41:01 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					45.559	40.092
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-10.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:29 pm
 Operator : pest23:cw
 Sample : 12006460-08,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:41:01 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-10.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:29 pm
 Operator : pest23:cw
 Sample : l2006460-08,42e,,
 Misc : wgl341233,wgl340879,ical16474
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:41:01 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

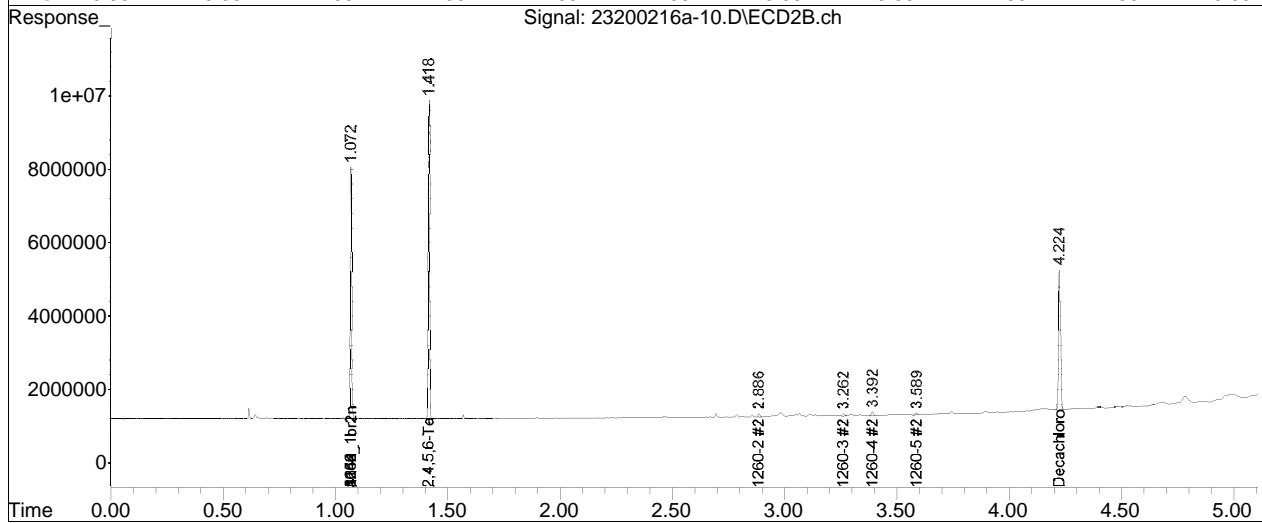
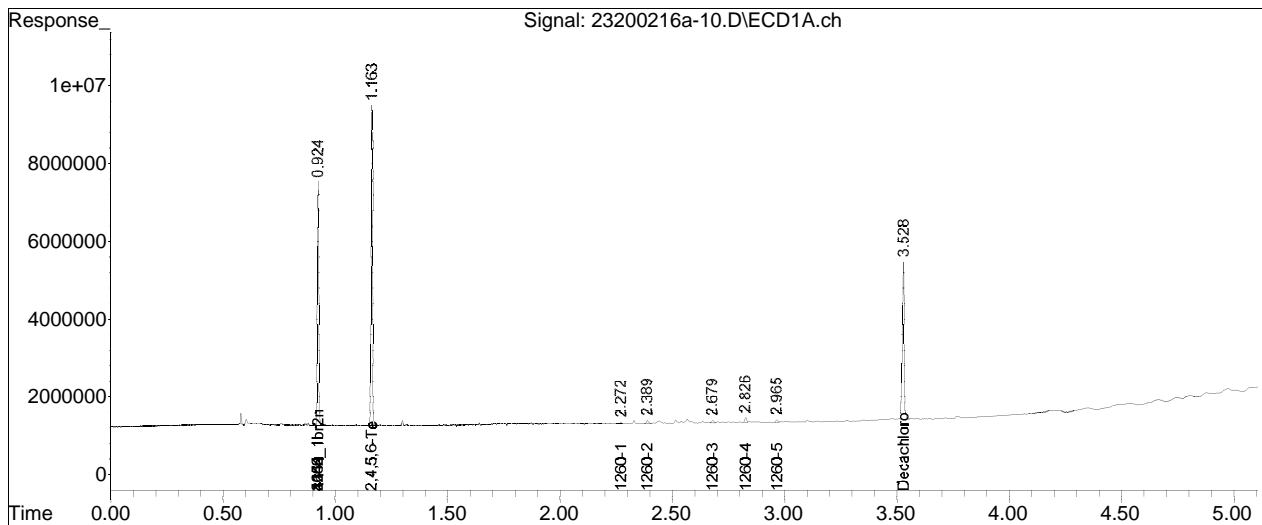
Sub List : Default - All compounds listed16a\23200216a-02.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 12:29 pm
Operator : pest23:cw
Sample : 12006460-08,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:41:01 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

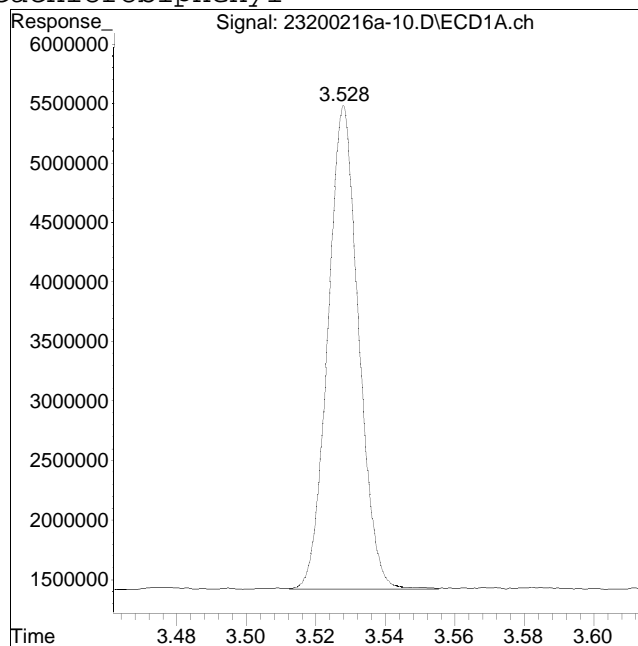
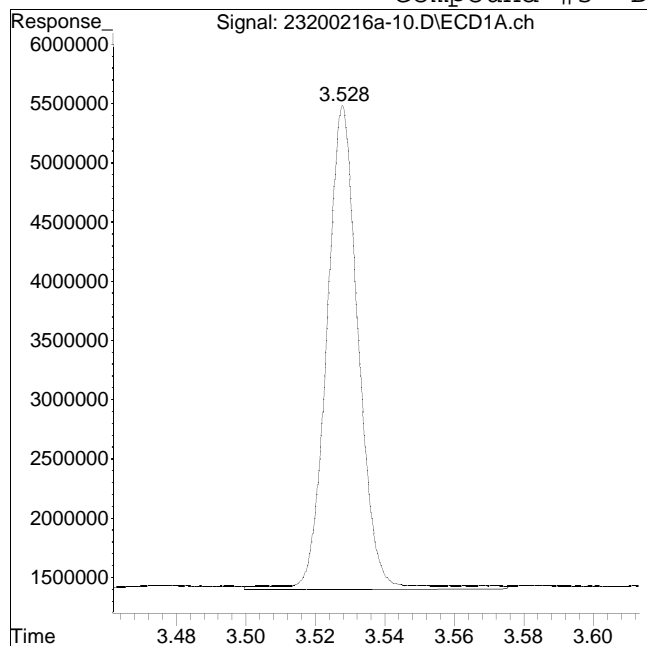
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-10.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:29 pm Instrument : Pest 23
Sample : 12006460-08,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 25973238

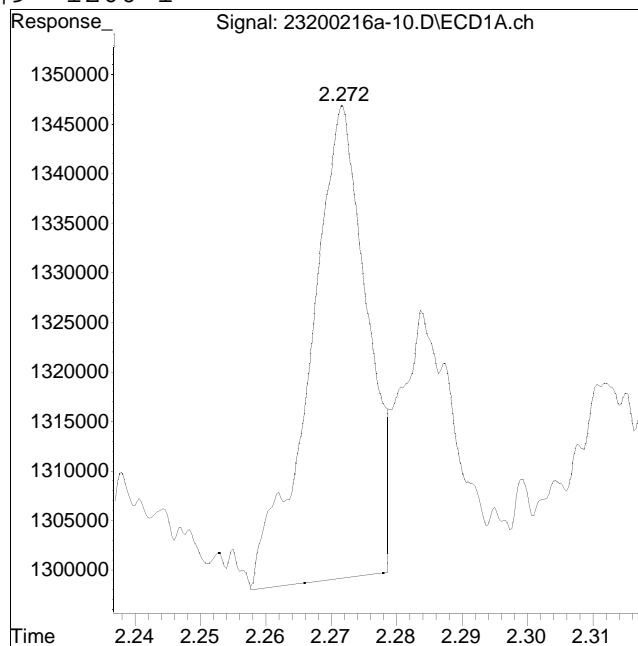
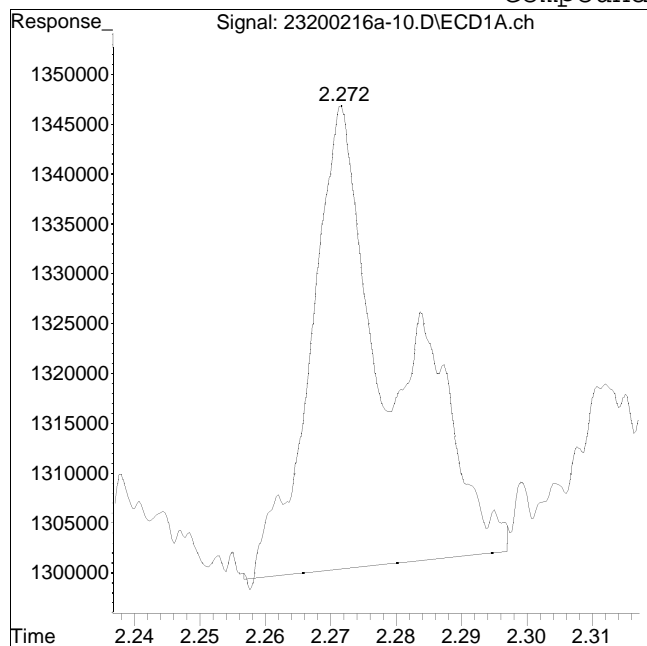
Manual Peak Response = 24837570 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-10.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:29 pm Instrument : Pest 23
Sample : 12006460-08,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #9: 1260-1



Original Peak Response = 411685

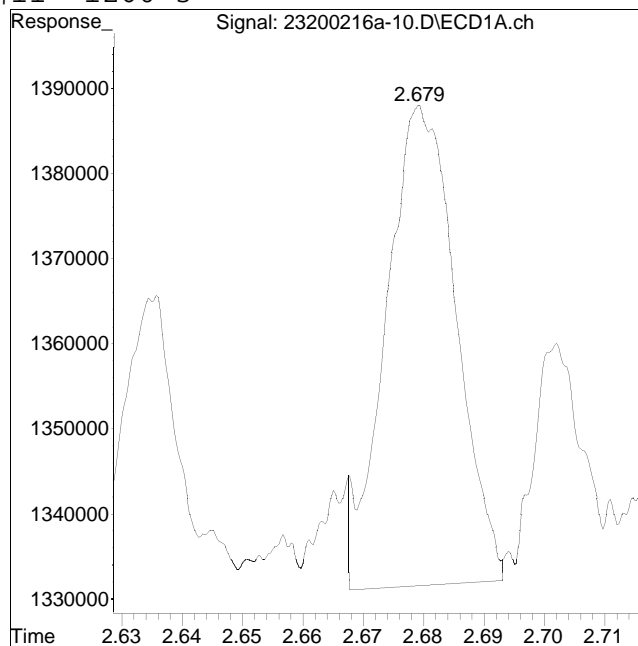
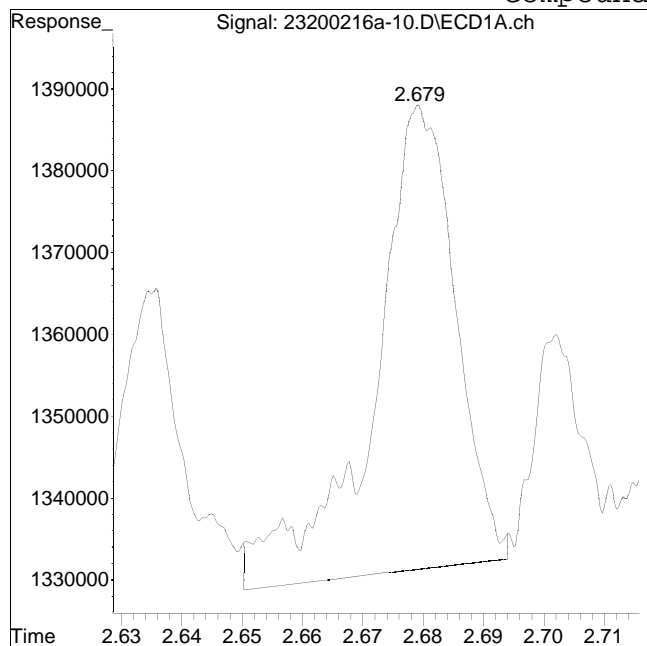
Manual Peak Response = 288309 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-10.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:29 pm Instrument : Pest 23
Sample : 12006460-08,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #11: 1260-3



Original Peak Response = 540110

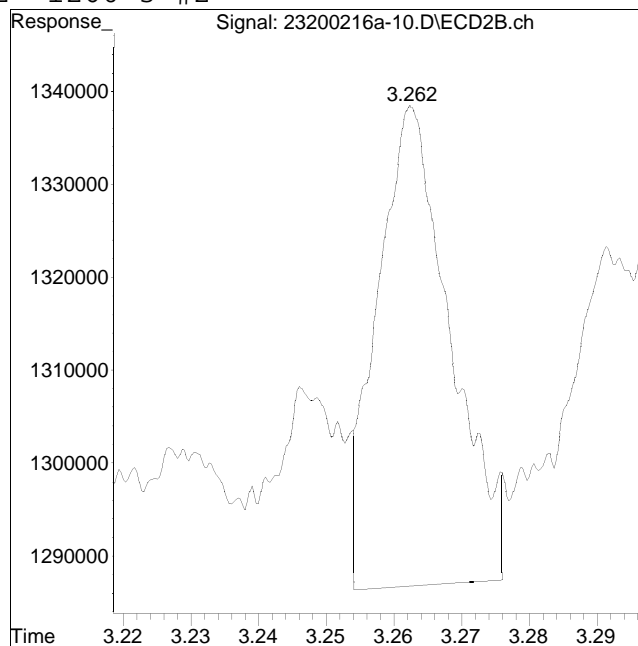
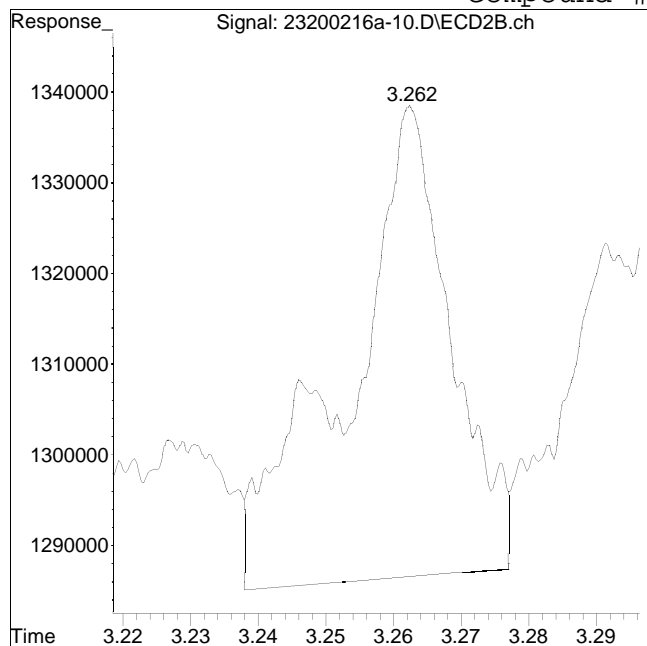
Manual Peak Response = 454369 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-10.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:29 pm Instrument : Pest 23
Sample : 12006460-08,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #62: 1260-3 #2



Original Peak Response = 556604

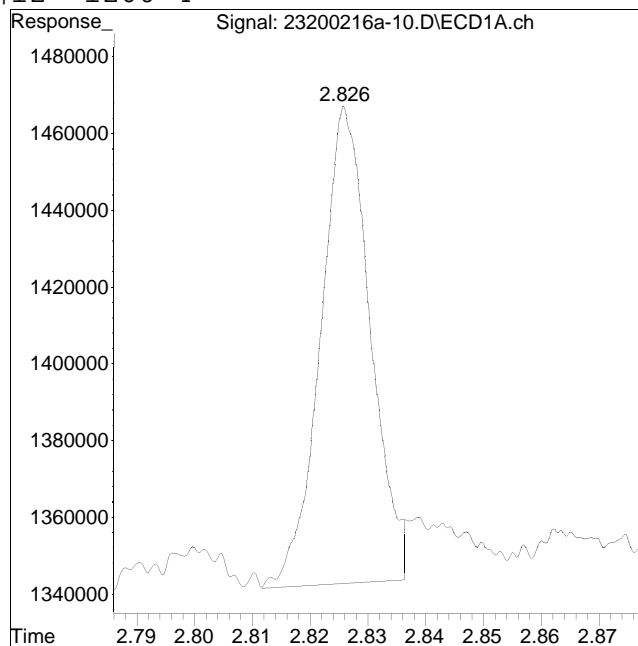
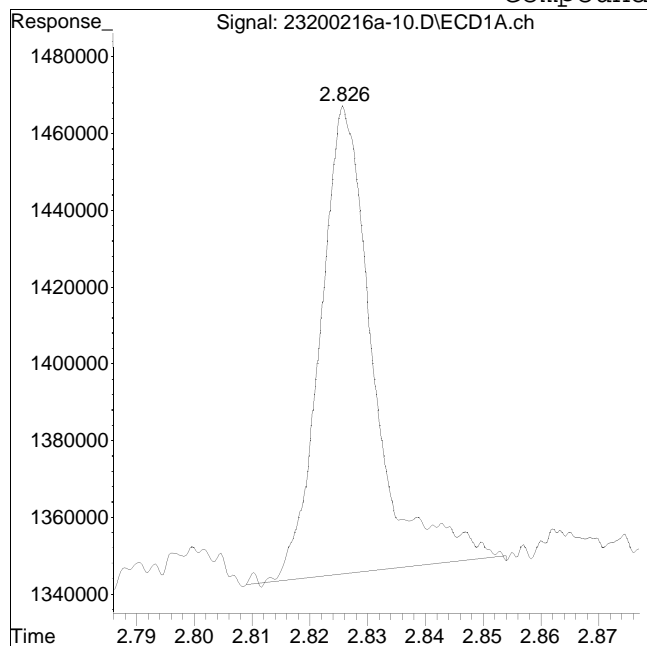
Manual Peak Response = 386413 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-10.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:29 pm Instrument : Pest 23
Sample : 12006460-08,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #12: 1260-4



Original Peak Response = 782935

Manual Peak Response = 739772 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:36 pm
 Operator : pest23:cw
 Sample : l2006460-10,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:41:59 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.925	1.073	26024828	26729854	250.000	250.000
Standard Area 1 : #1 = 24557365					Recovery =	105.98%
Standard Area 1 : #2 = 25079144					Recovery =	106.58%
14) i 2154_1br2nb	0.925	1.073	26024828	26729854	250.000	250.000
23) i 4268_1br2nb	0.925	1.073	26024828	26729854	250.000	250.000
34) i 1248_1br2nb	0.925	1.073	26024828	26729854	250.000	250.000
40) i 3262_1br2nb	0.925	1.073	26024828	26729854	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.418	33141552	33193614	208.326	224.685
Spiked Amount 500.000	Range 30 - 150				Recovery =	41.67%
3) s Decachlorobi	3.527	4.224	24243181	24411159	219.003	183.090
Spiked Amount 500.000	Range 30 - 150				Recovery =	43.80%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.786	1479561	1295610	187.898	157.995
10) l2 1260-2	2.389	2.886	2856645	2119438	237.615	218.981
11) l2 1260-3	0.000	3.262	0	1750744	N.D. d	212.791
12) l2 1260-4	2.826	3.392	4677743	5626992	293.748	332.429
13) l2 1260-5	2.965	3.588	2575998	3515636	303.459	293.162
Sum 1260-1			11589948	14308419	1022.721	1215.357
Average 1260-1					255.680	243.071

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:36 pm
 Operator : pest23:cw
 Sample : 12006460-10,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:41:59 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:36 pm
 Operator : pest23:cw
 Sample : 12006460-10,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:41:59 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:36 pm
 Operator : pest23:cw
 Sample : l2006460-10,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:41:59 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

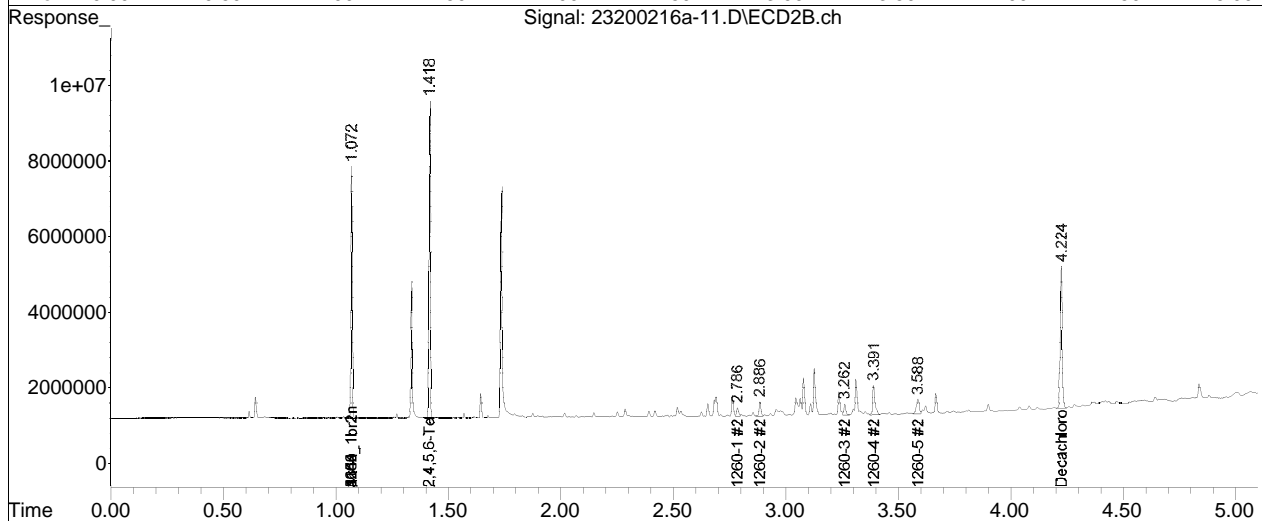
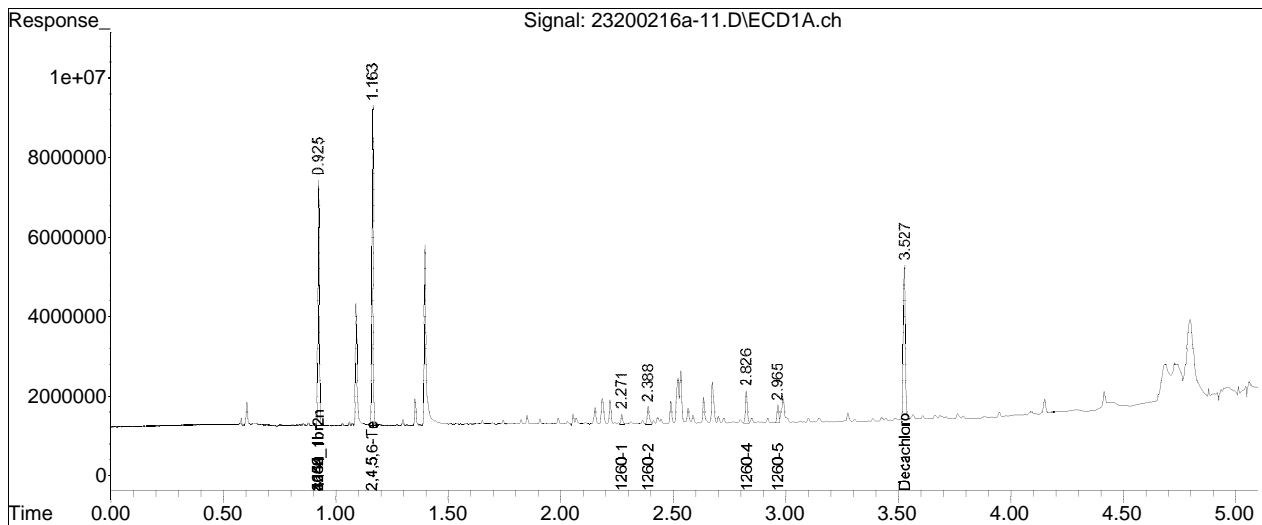
Sub List : Default - All compounds listed16a\23200216a-02.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 12:36 pm
Operator : pest23:cw
Sample : 12006460-10,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:41:59 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-11.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:36 pm Instrument : Pest 23
Sample : 12006460-10,42e,, Quant Date : 2/18/2020 1:14 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:43 pm
 Operator : pest23:cw
 Sample : l2006460-11,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:43:06 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.072	25079184	25607781	250.000	250.000
Standard Area 1 : #1 = 24557365					Recovery =	102.12%
Standard Area 1 : #2 = 25079144					Recovery =	102.11%
14) i 2154_1br2nb	0.924	1.072	25079184	25607781	250.000	250.000
23) i 4268_1br2nb	0.924	1.072	25079184	25607781	250.000	250.000
34) i 1248_1br2nb	0.924	1.072	25079184	25607781	250.000	250.000
40) i 3262_1br2nb	0.924	1.072	25079184	25607781	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.418	34636427	34355799	225.932	242.741
Spiked Amount 500.000	Range 30 - 150				Recovery =	45.19%
3) s Decachlorobi	3.529	4.225	25495988	24756327	240.090	193.815
Spiked Amount 500.000	Range 30 - 150				Recovery =	48.02%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.786	520043	528753	68.534	67.305
10) l2 1260-2	2.389	2.886	1161652	846498	100.269	91.293
11) l2 1260-3	0.000	3.263	0	624017	N.D. d	79.168
12) l2 1260-4	2.826	3.392	1573494	1880365	102.536	115.955
13) l2 1260-5	2.966	3.589	850358	1055369	103.951	91.861
Sum 1260-1			4105547	4935003	375.291	445.582
Average 1260-1					93.823	89.116

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:43 pm
 Operator : pest23:cw
 Sample : 12006460-11,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:43:06 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D.
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:43 pm
 Operator : pest23:cw
 Sample : 12006460-11,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:43:06 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:43 pm
 Operator : pest23:cw
 Sample : l2006460-11,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:43:06 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

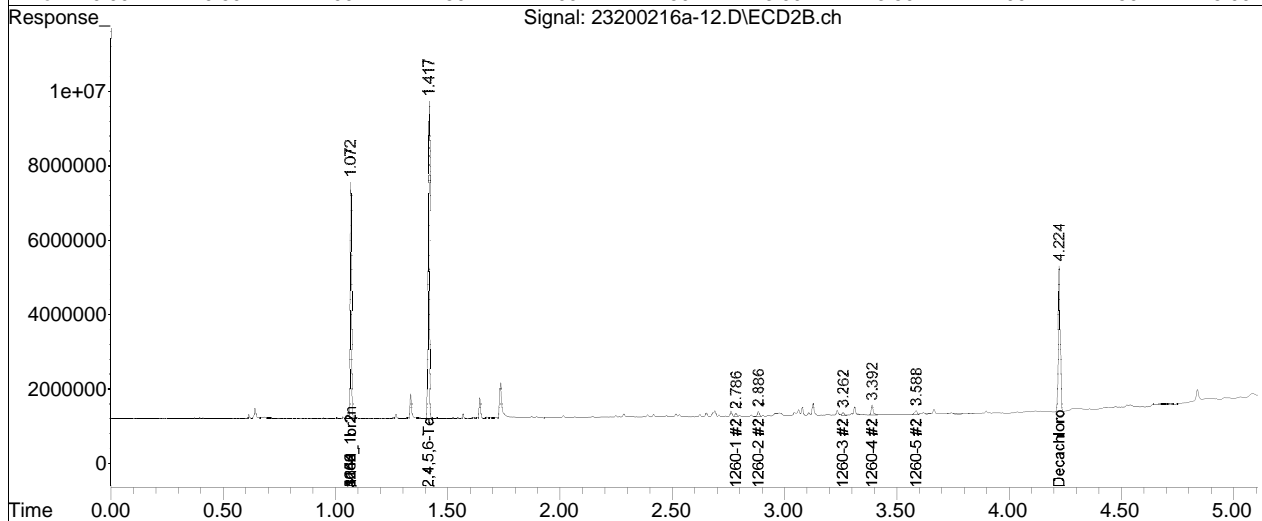
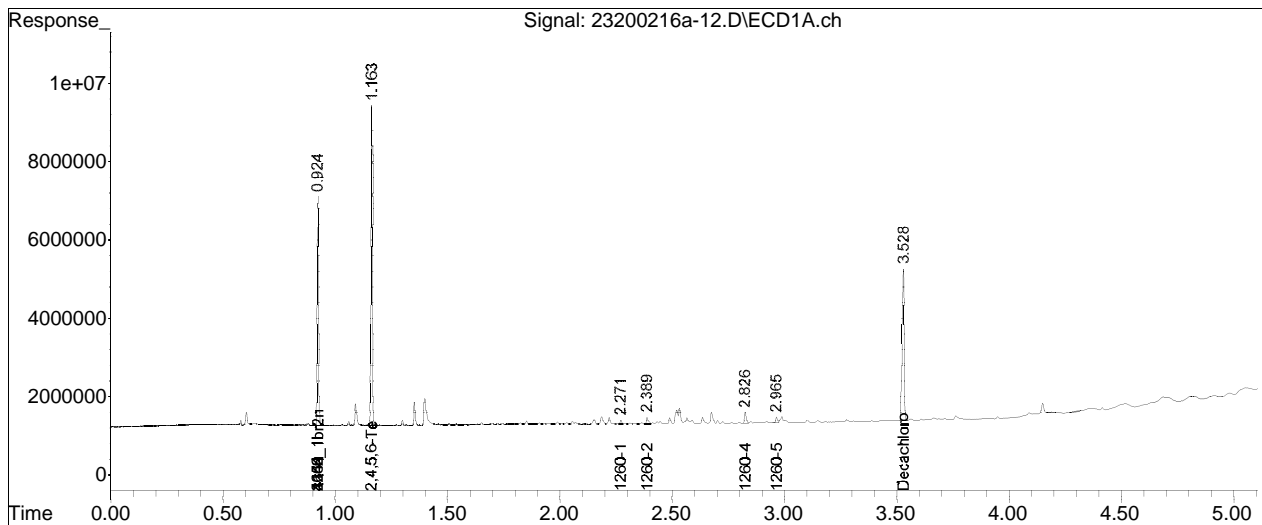
Sub List : Default - All compounds listed16a\23200216a-02.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 12:43 pm
Operator : pest23:cw
Sample : 12006460-11,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:43:06 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-12.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:43 pm Instrument : Pest 23
Sample : 12006460-11,42e,, Quant Date : 2/18/2020 1:14 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:49 pm
 Operator : pest23:cw
 Sample : l2006460-12,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:44:38 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	0.924	1.072	27060155	27617101	250.000M4	250.000M4
	Standard Area 1 : #1 = 24557365				Recovery = 110.19%		
	Standard Area 1 : #2 = 25079144				Recovery = 110.12%		
14) i	2154_1br2nb	0.924	1.072	27060155	27617101	250.000M4	250.000M4
23) i	4268_1br2nb	0.924	1.072	27060155	27617101	250.000M4	250.000M4
34) i	1248_1br2nb	0.924	1.072	27060155	27617101	250.000M4	250.000M4
40) i	3262_1br2nb	0.924	1.072	27060155	27617101	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.163	1.417	31449204	31290955	190.124M4	205.001M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 38.02%		41.00%	
3) s	Decachlorobi	3.528	4.224	28958568	27350209	253.358	198.543
	Spiked Amount 500.000 Range 30 - 150			Recovery = 50.67%		39.71%	
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	2.270	2.785	19358538	19792111	2364.396M2	2336.038

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:49 pm
 Operator : pest23:cw
 Sample : 12006460-12,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:44:38 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10)	12 1260-2	2.388	2.885	41526856	36273458	3322.039M2	3627.385
11)	12 1260-3	2.681	3.262	24095536	30182046	3112.710	3550.560
12)	12 1260-4	2.825	3.391	55954814	61423322	3379.356	3512.157
13)	12 1260-5	2.965	3.587	35675975	46228383	4041.919	3731.046
	Sum 1260-1			176.6E6	193.9E6	16220.420	16757.186
	Average 1260-1					3244.084	3351.437
15)	13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:49 pm
 Operator : pest23:cw
 Sample : 12006460-12,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:44:38 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:49 pm
 Operator : pest23:cw
 Sample : 12006460-12,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:44:38 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

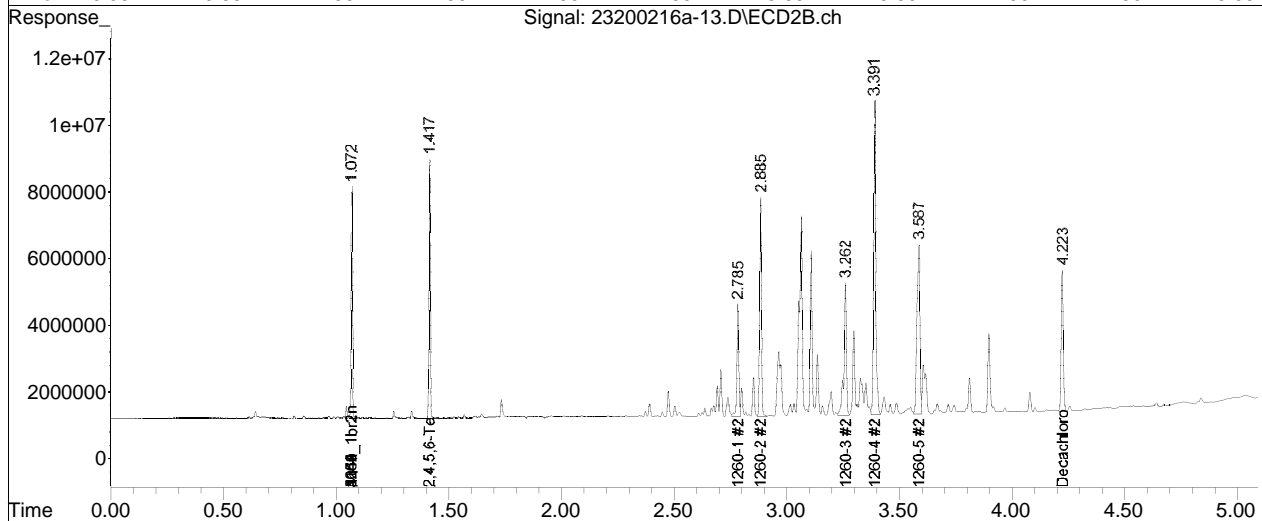
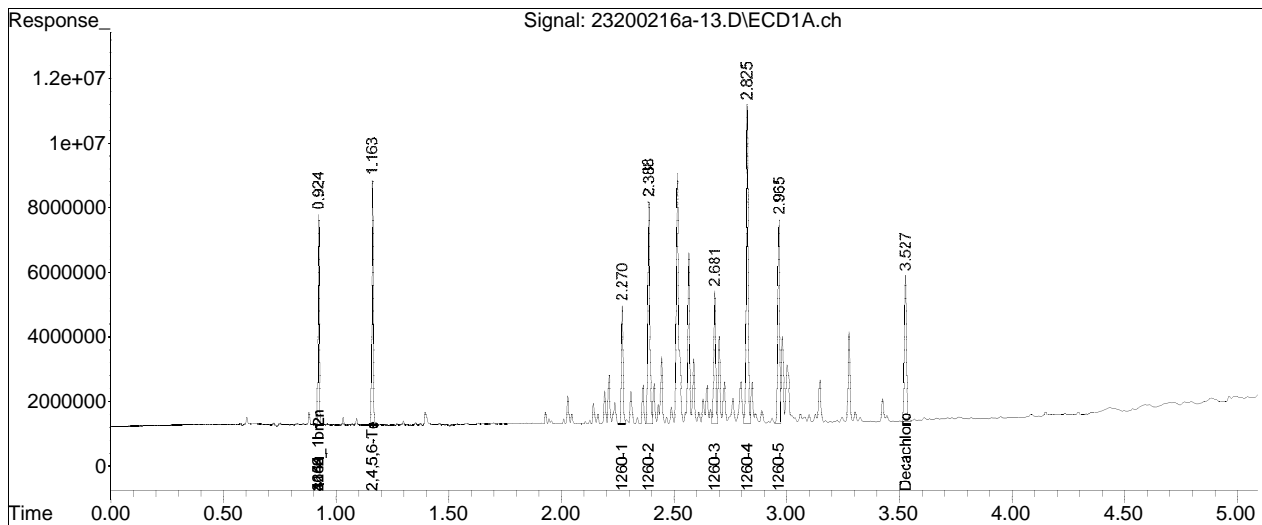
Sub List : Default - All compounds listed16a\23200216a-02.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 12:49 pm
Operator : pest23:cw
Sample : 12006460-12,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:44:38 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

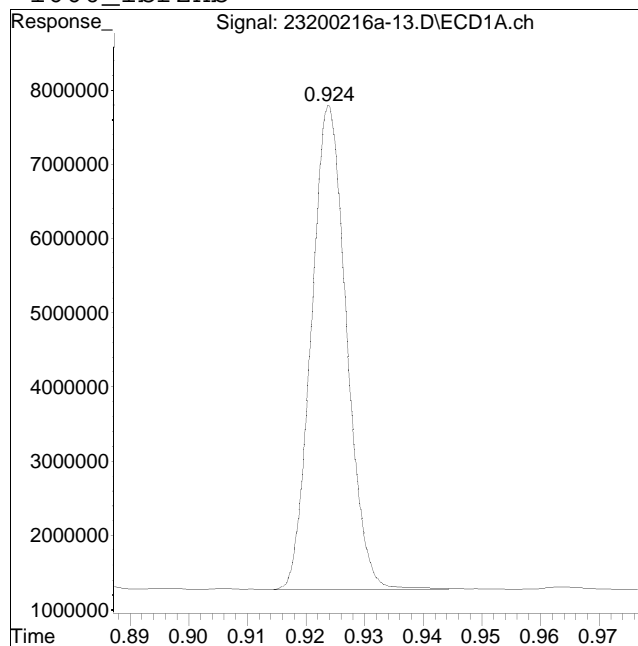
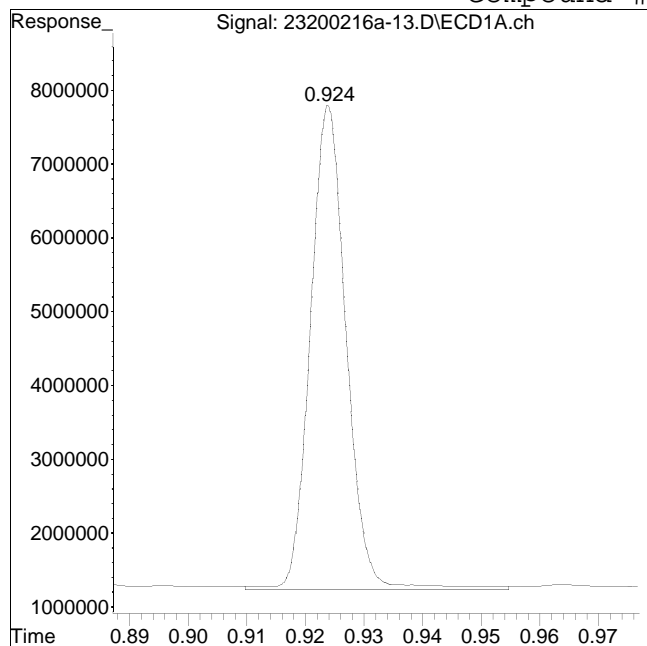
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-13.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:49 pm Instrument : Pest 23
Sample : 12006460-12,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #1: 1660_1br2nb



Original Peak Response = 28168363

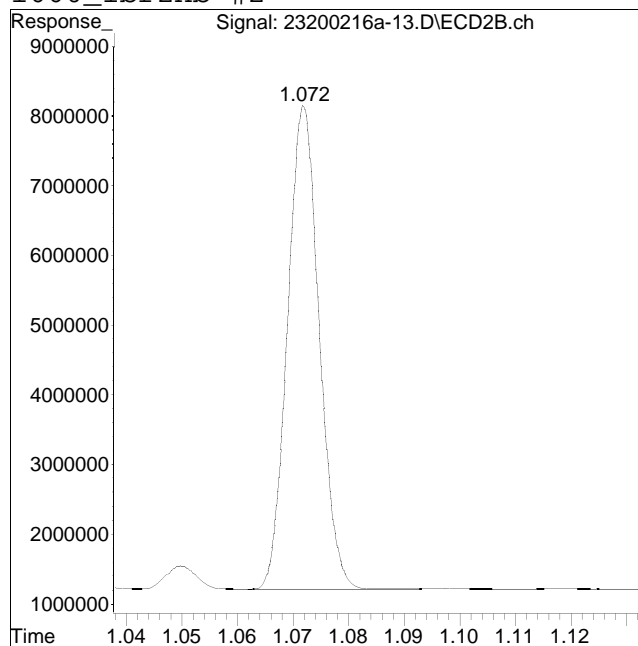
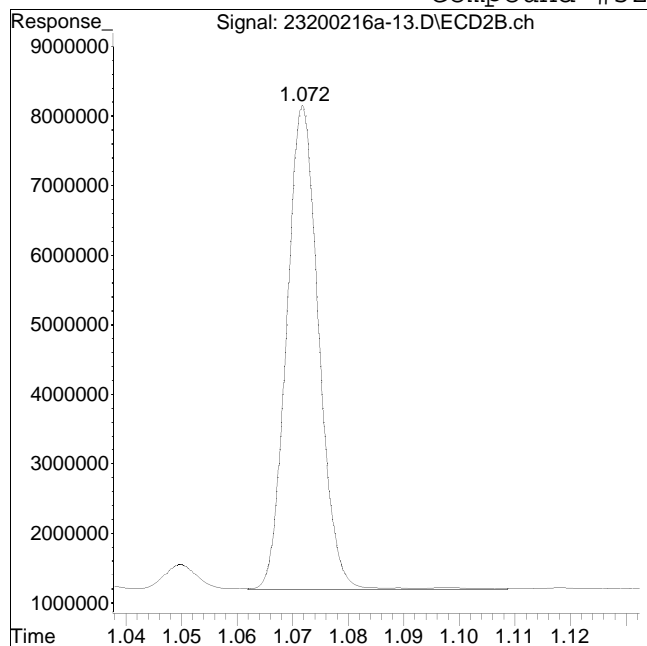
Manual Peak Response = 27060155 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-13.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:49 pm Instrument : Pest 23
Sample : 12006460-12,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 28272856

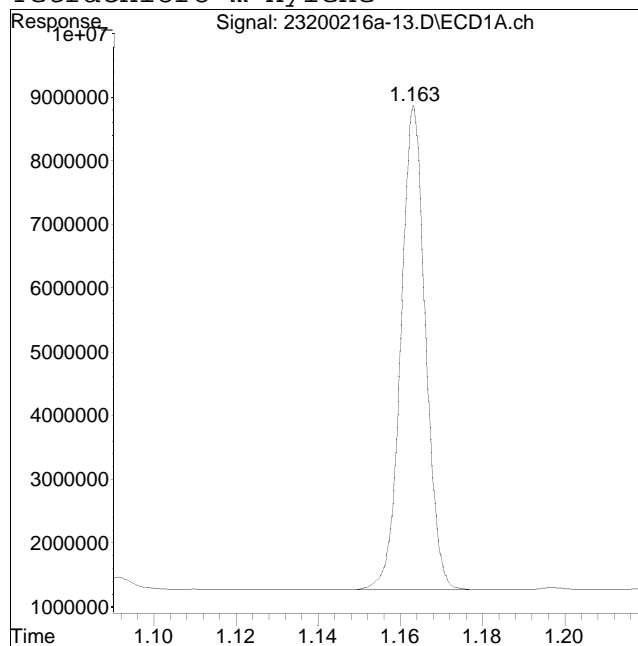
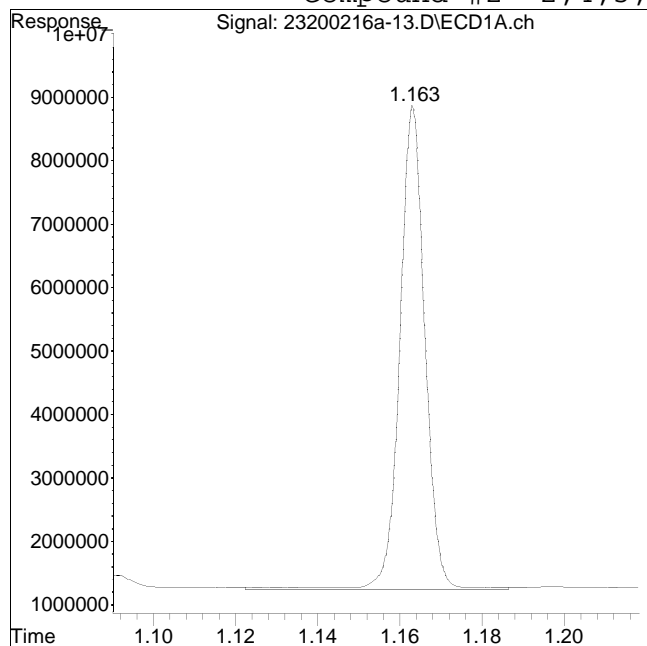
Manual Peak Response = 27617101 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-13.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:49 pm Instrument : Pest 23
Sample : 12006460-12,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 32683380

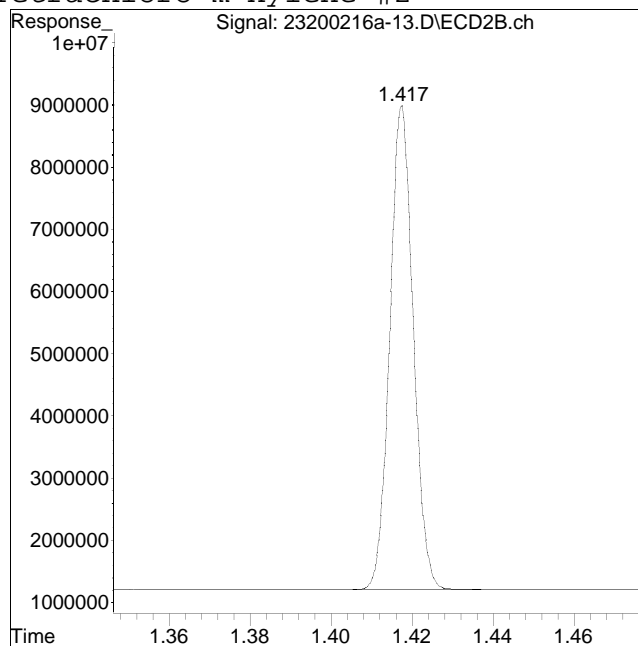
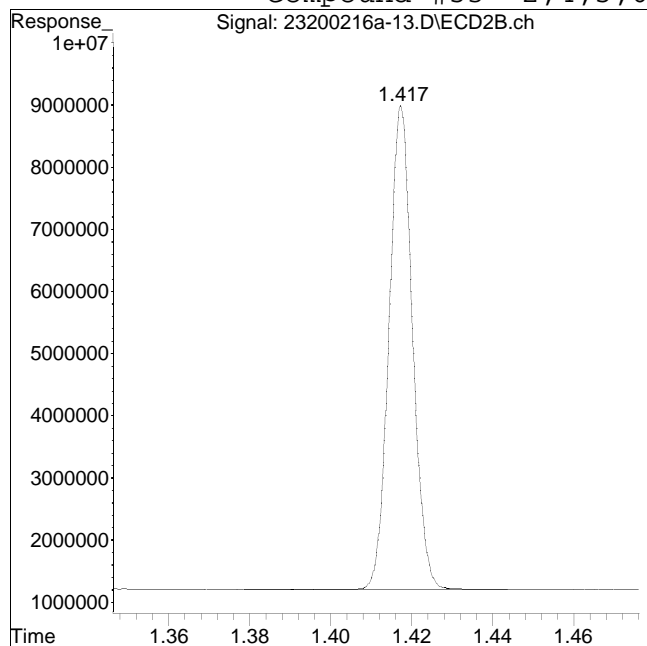
Manual Peak Response = 31449204 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-13.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:49 pm Instrument : Pest 23
Sample : 12006460-12,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 31674291

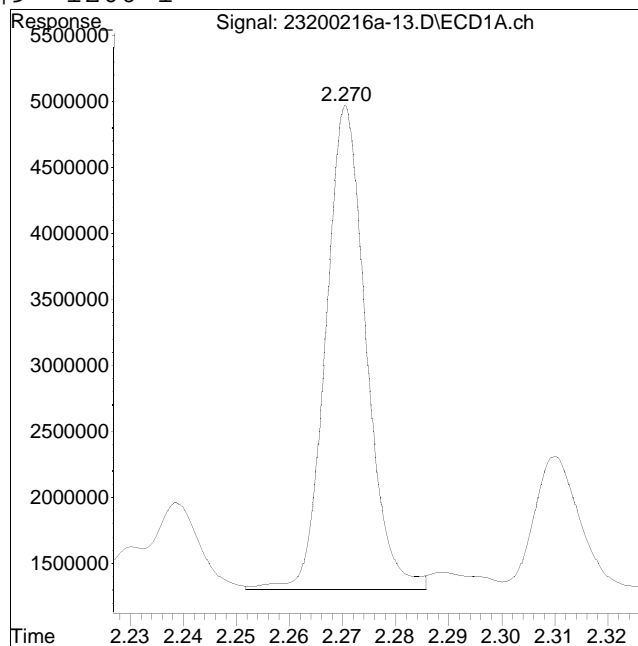
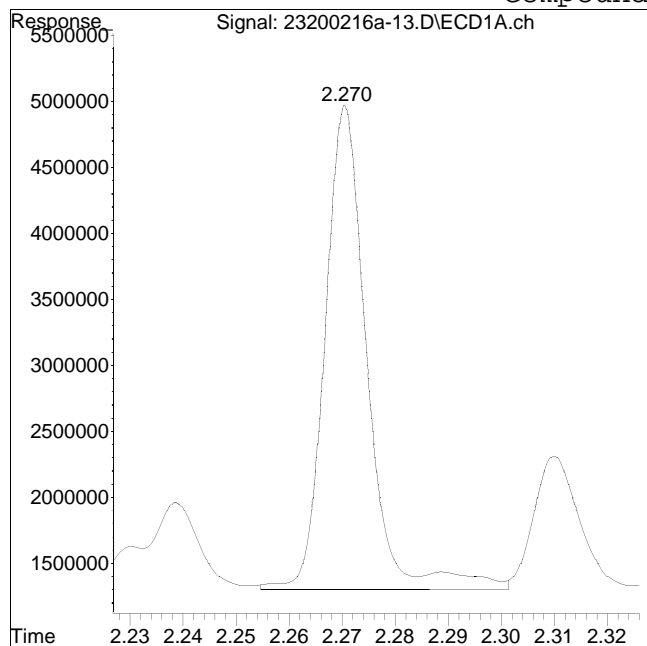
Manual Peak Response = 31290955 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-13.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:49 pm Instrument : Pest 23
Sample : 12006460-12,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #9: 1260-1



Original Peak Response = 20279876

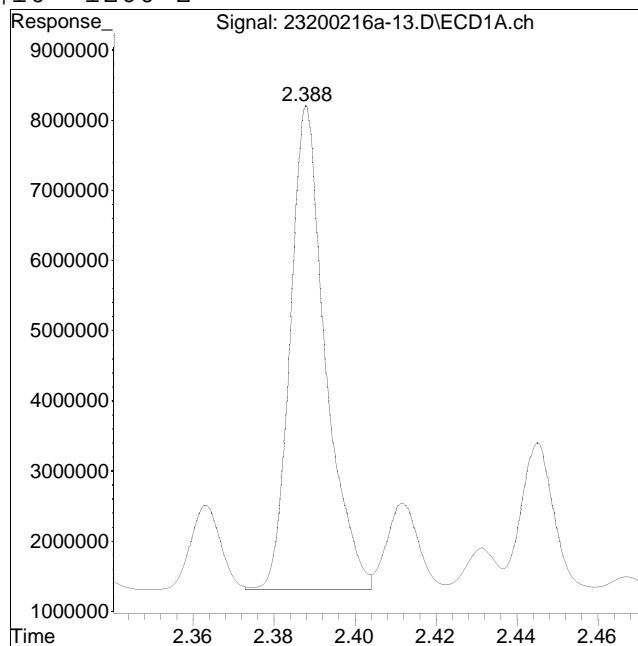
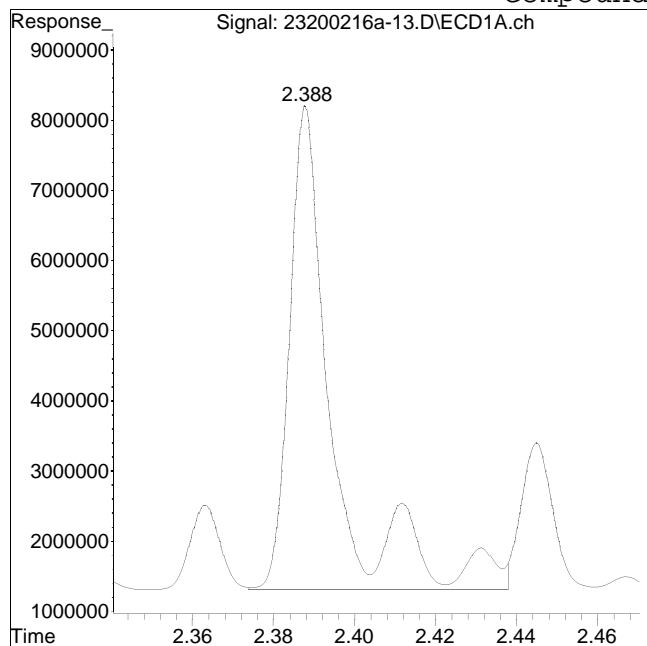
Manual Peak Response = 19358538 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-13.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:49 pm Instrument : Pest 23
Sample : 12006460-12,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #10: 1260-2



Original Peak Response = 51467939

Manual Peak Response = 41526856 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:56 pm
 Operator : pest23:cw
 Sample : l2006460-13,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:47:19 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.072	27164308	27893452	250.000M4	250.000
Standard Area 1 : #1 = 24557365					Recovery = 110.62%	
Standard Area 1 : #2 = 25079144					Recovery = 111.22%	
14) i 2154_1br2nb	0.924	1.072	27164308	27893452	250.000M4	250.000
23) i 4268_1br2nb	0.924	1.072	27164308	27893452	250.000M4	250.000
34) i 1248_1br2nb	0.924	1.072	27164308	27893452	250.000M4	250.000
40) i 3262_1br2nb	0.924	1.072	27164308	27893452	250.000M4	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.418	33640664	33858760	202.593	219.626
Spiked Amount 500.000	Range 30 - 150				Recovery = 40.52%	43.93%
3) s Decachlorobi	3.527	4.224	25857571	25861805	224.048	185.879
Spiked Amount 500.000	Range 30 - 150				Recovery = 44.81%	37.18%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.270	2.785	8869655	8986164	1079.161M2	1050.118
10) l2 1260-2	2.388	2.885	15465433	11628710	1232.450	1151.362
11) l2 1260-3	0.000	3.262	0	10474106	N.D. d	1219.947
12) l2 1260-4	2.825	3.391	24559615	26486281	1477.575	1499.469
13) l2 1260-5	2.965	3.588	14581170	18710441	1645.643	1495.140
Sum 1260-1			63475873	76285703	5434.830	6416.036
Average 1260-1					1358.707	1283.207

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:56 pm
 Operator : pest23:cw
 Sample : 12006460-13,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:47:19 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:56 pm
 Operator : pest23:cw
 Sample : 12006460-13,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:47:19 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 12:56 pm
 Operator : pest23:cw
 Sample : l2006460-13,42e,,
 Misc : wgl341233,wgl340879,ical16474
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:47:19 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

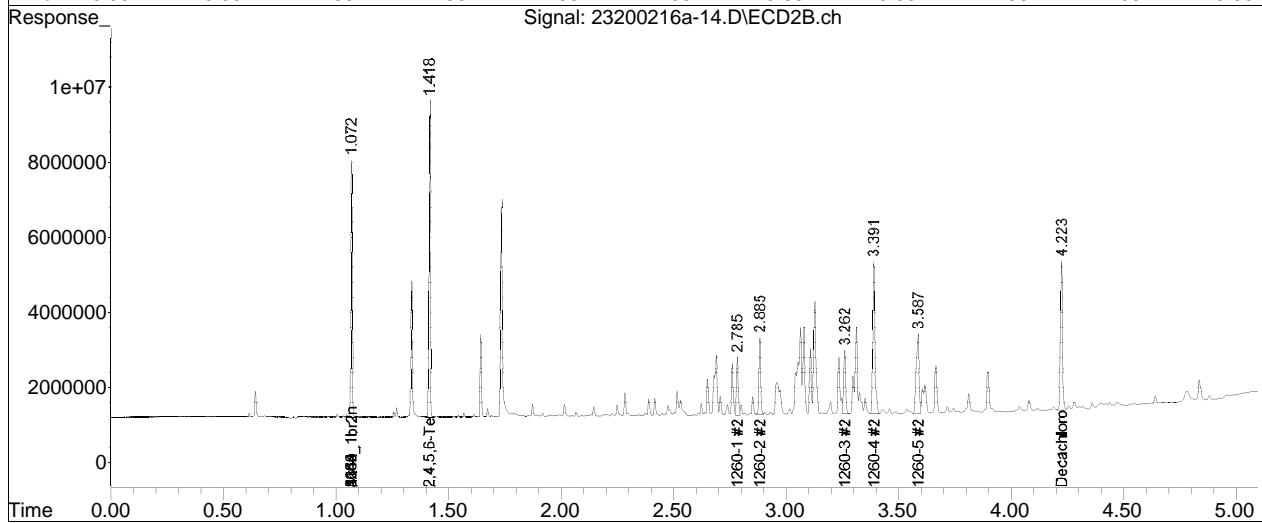
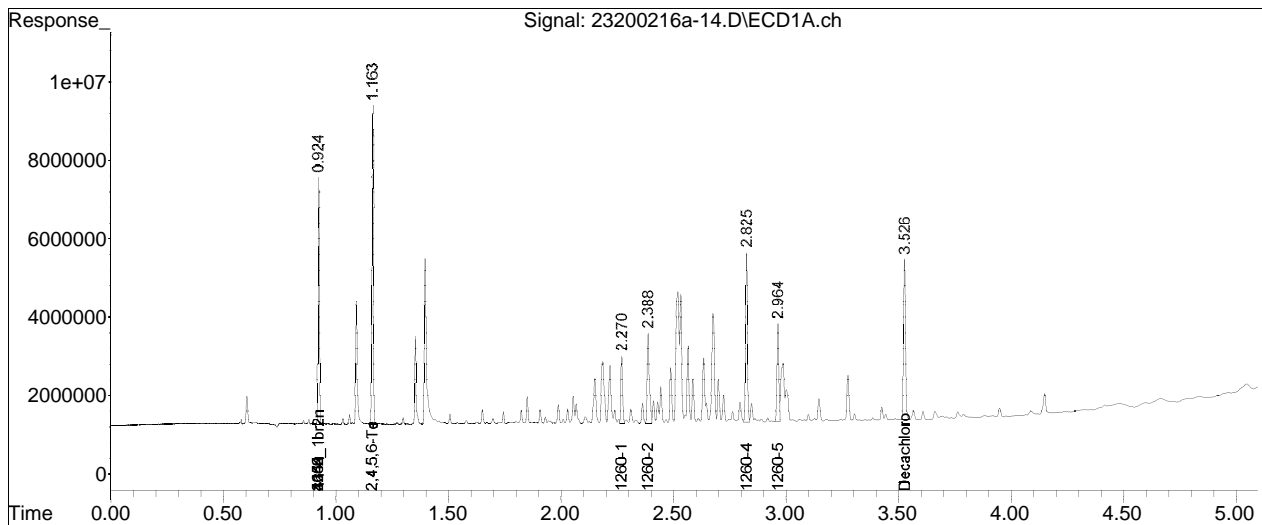
Sub List : Default - All compounds listed16a\23200216a-02.D••

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 12:56 pm
Operator : pest23:cw
Sample : 12006460-13,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:47:19 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

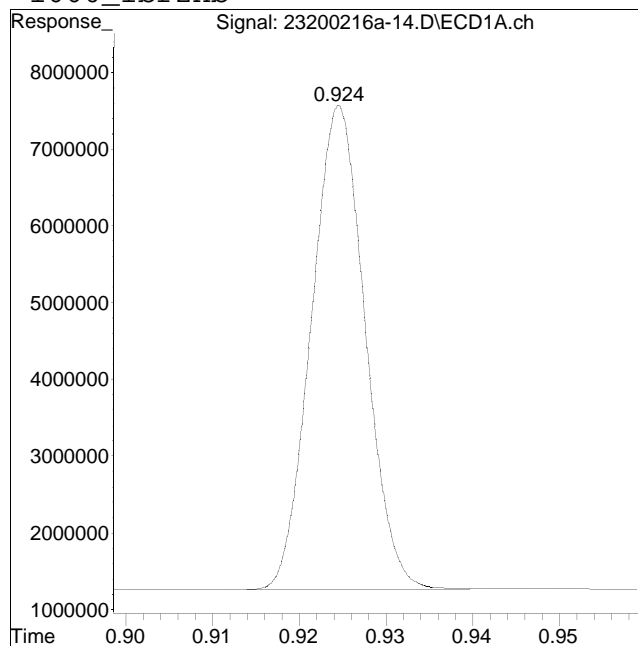
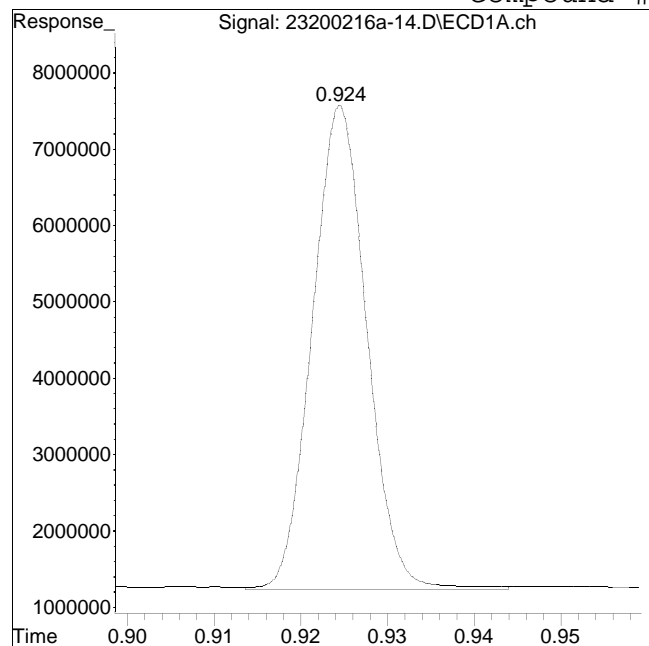
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-14.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:56 pm Instrument : Pest 23
Sample : 12006460-13,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #1: 1660_1br2nb



Original Peak Response = 27732469

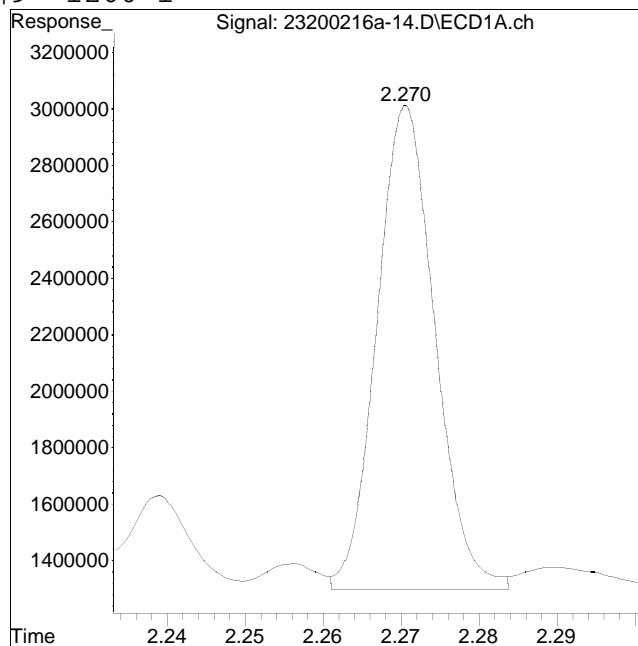
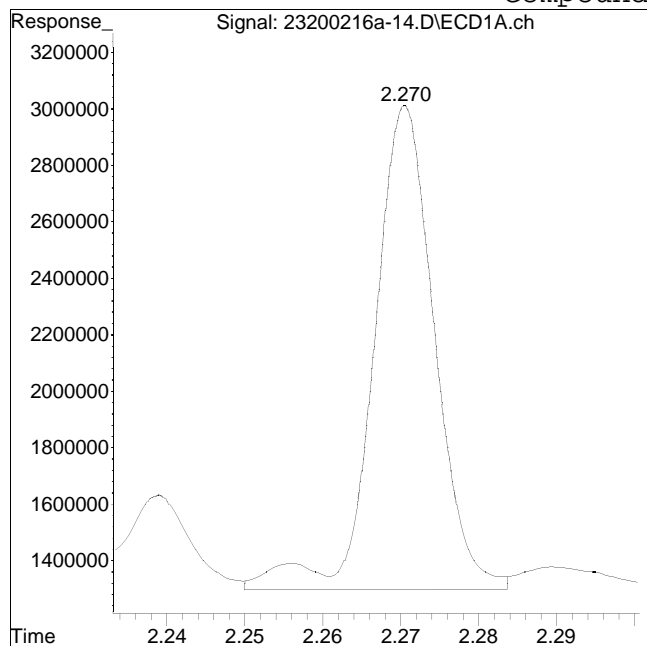
Manual Peak Response = 27164308 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-14.D Operator : pest23:cw
Date Inj'd : 2/16/2020 12:56 pm Instrument : Pest 23
Sample : 12006460-13,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #9: 1260-1



Original Peak Response = 9310160

Manual Peak Response = 8869655 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:10 pm
 Operator : pest23:cw
 Sample : l2006460-16,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:51:43 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.072	27577103	28147805	250.000M4	250.000
Standard Area 1 : #1 = 24557365					Recovery = 112.30%	
Standard Area 1 : #2 = 25079144					Recovery = 112.24%	
14) i 2154_1br2nb	0.924	1.072	27577103	28147805	250.000M4	250.000
23) i 4268_1br2nb	0.924	1.072	27577103	28147805	250.000M4	250.000
34) i 1248_1br2nb	0.924	1.072	27577103	28147805	250.000M4	250.000
40) i 3262_1br2nb	0.924	1.072	27577103	28147805	250.000M4	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.418	28696518	28678596	170.231M4	184.344
Spiked Amount 500.000	Range 30 - 150				Recovery = 34.05%	36.87%
3) s Decachlorobi	3.526	4.223	21303606	20649864	179.588M4	147.077
Spiked Amount 500.000	Range 30 - 150				Recovery = 35.92%	29.42%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.270	2.785	19482533	21002918	2334.935M2	2432.210
10) l2 1260-2	2.388	2.885	39776673	32146923	3122.380M2	3154.116
11) l2 1260-3	2.681	3.262	22056035	27868389	2795.832	3216.575
12) l2 1260-4	2.825	3.391	52411033	54285168	3105.995	3045.477
13) l2 1260-5	2.964	3.587	29651406	39229072	3296.391M2	3106.444
Sum 1260-1			163.4E6	174.5E6	14655.533	14954.821
Average 1260-1					2931.107	2990.964

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:10 pm
 Operator : pest23:cw
 Sample : l2006460-16,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:51:43 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:10 pm
 Operator : pest23:cw
 Sample : l2006460-16,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:51:43 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:10 pm
 Operator : pest23:cw
 Sample : l2006460-16,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:51:43 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

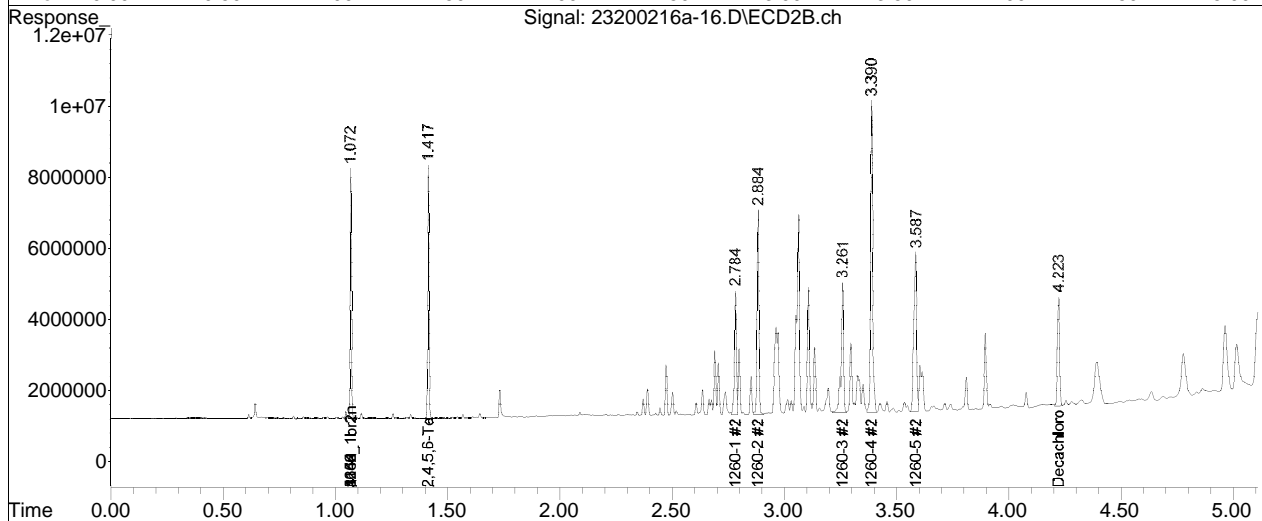
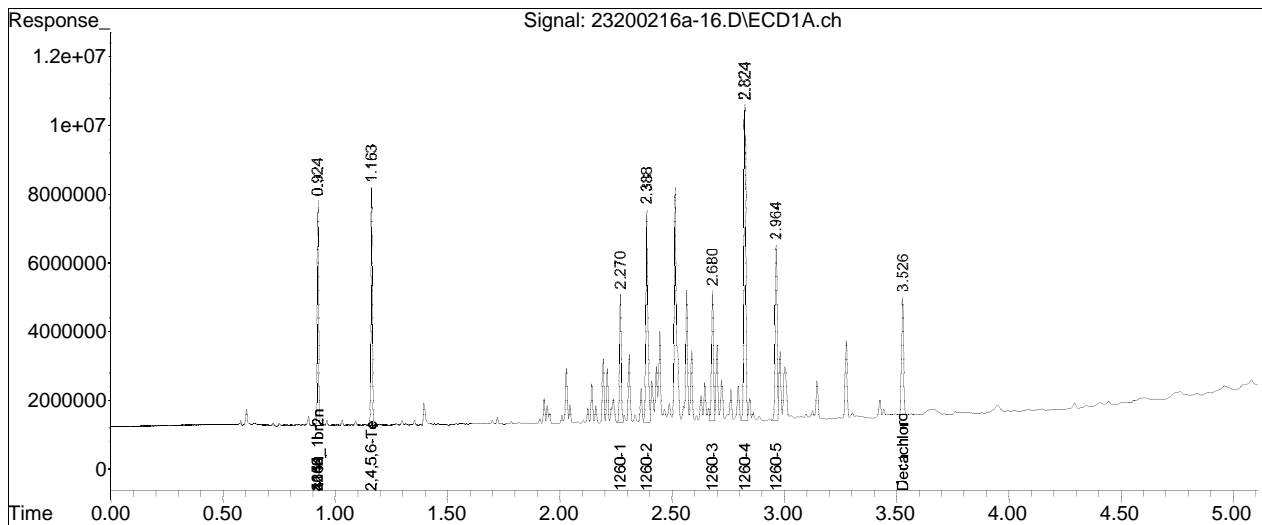
Sub List : Default - All compounds listed16a\23200216a-02.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 01:10 pm
Operator : pest23:cw
Sample : 12006460-16,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:51:43 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

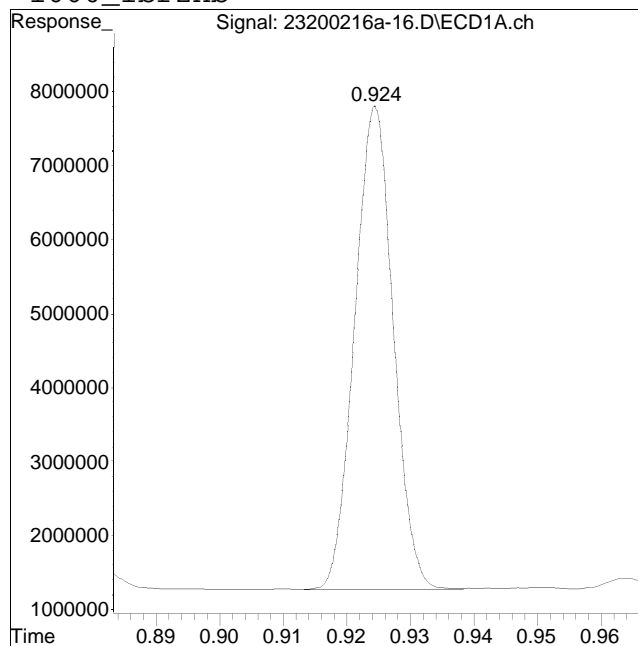
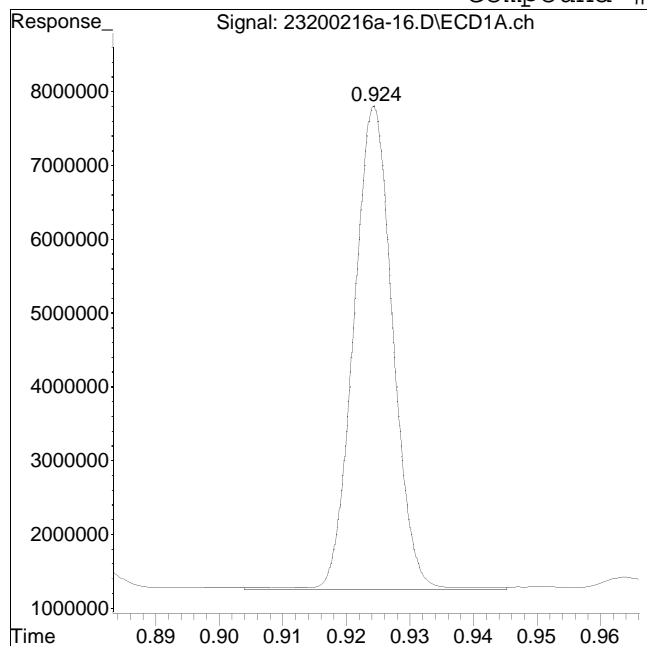
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-16.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:10 pm Instrument : Pest 23
Sample : 12006460-16,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #1: 1660_1br2nb



Original Peak Response = 28193275

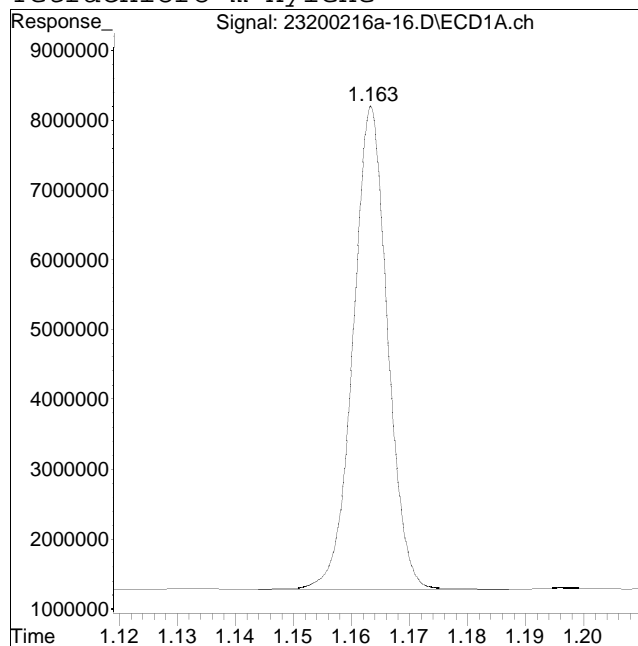
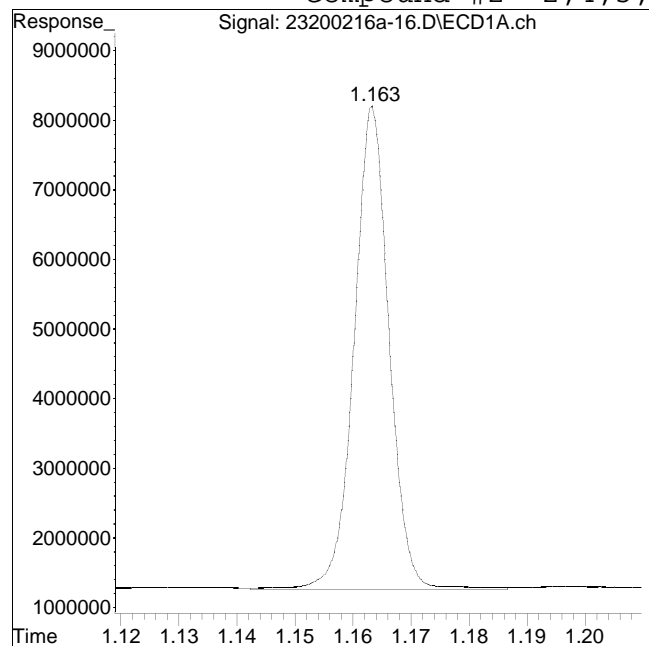
Manual Peak Response = 27577103 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-16.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:10 pm Instrument : Pest 23
Sample : 12006460-16,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 29287048

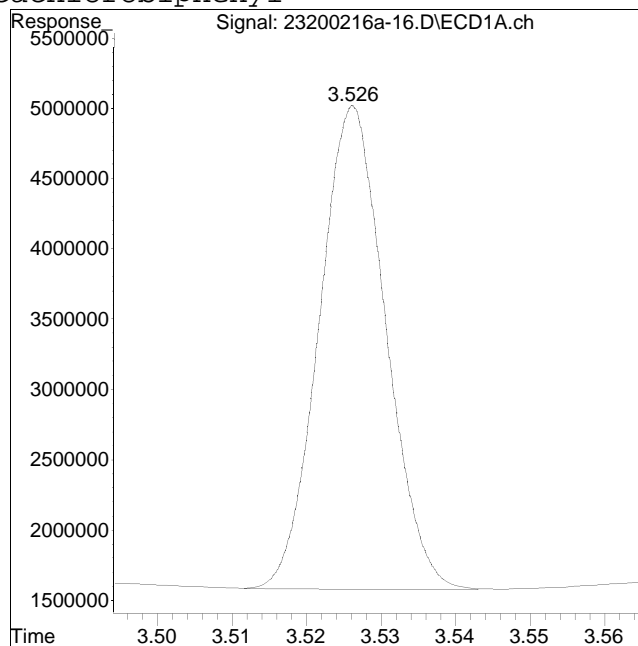
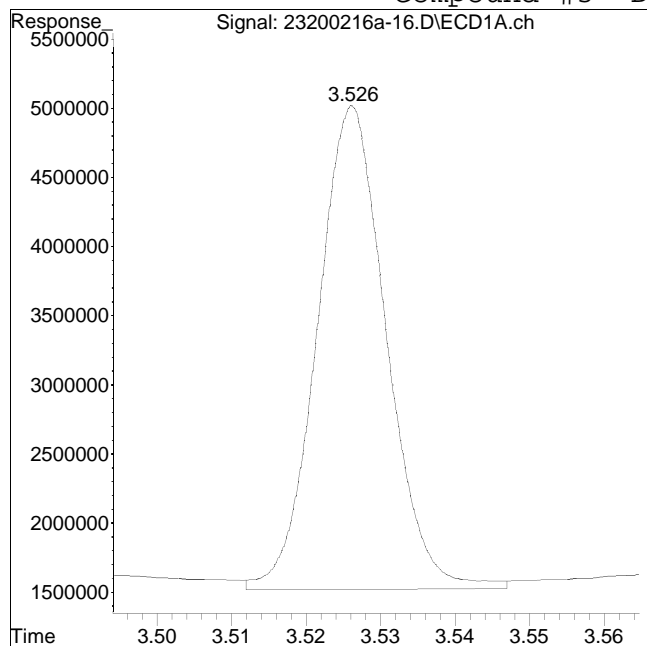
Manual Peak Response = 28696518 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-16.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:10 pm Instrument : Pest 23
Sample : 12006460-16,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 22476877

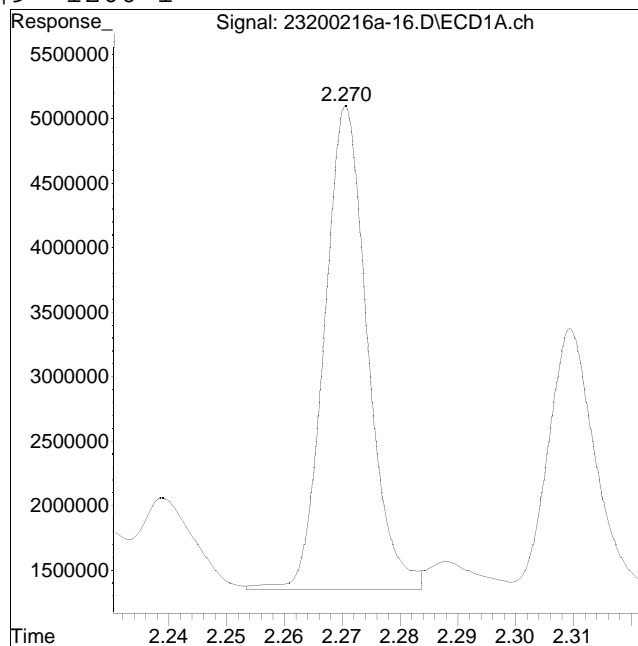
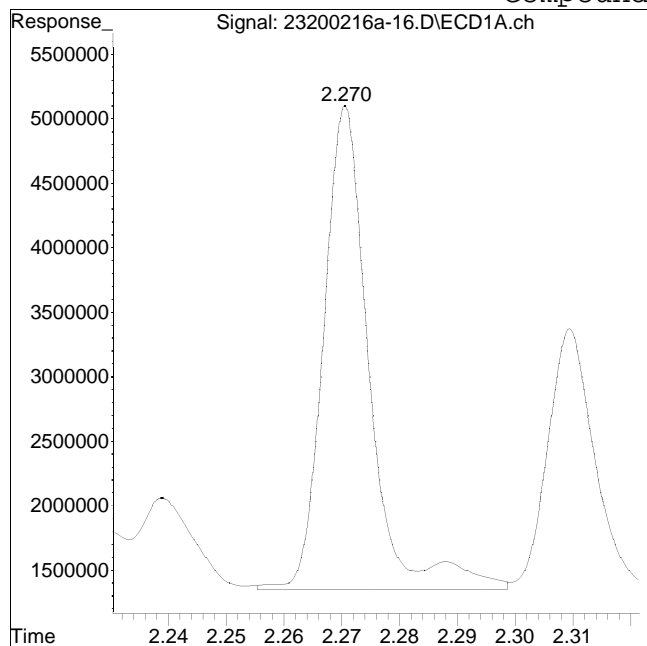
Manual Peak Response = 21303606 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-16.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:10 pm Instrument : Pest 23
Sample : 12006460-16,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #9: 1260-1



Original Peak Response = 20648663

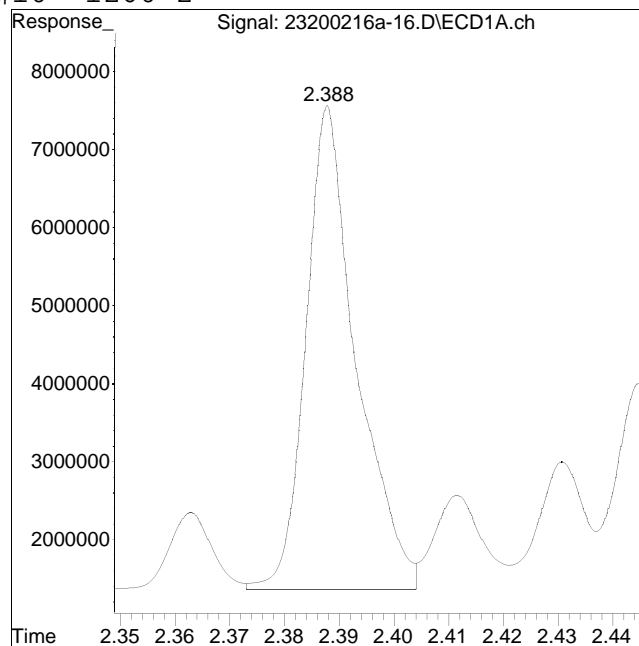
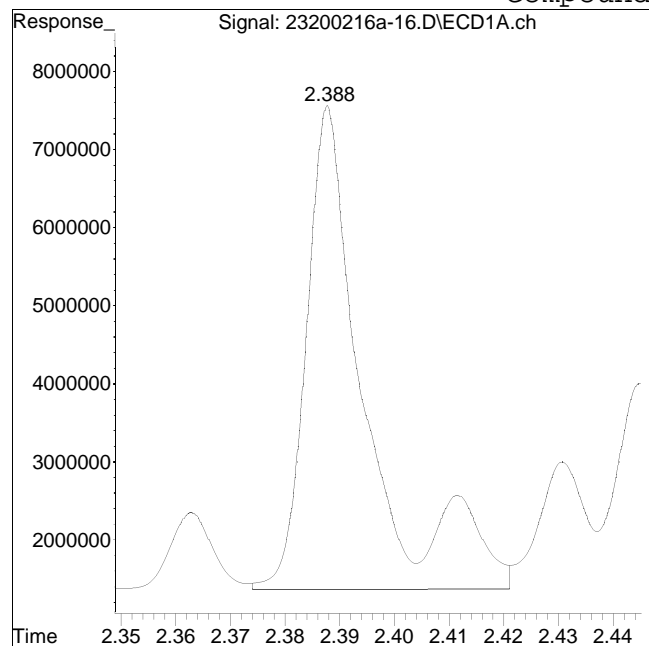
Manual Peak Response = 19482533 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-16.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:10 pm Instrument : Pest 23
Sample : 12006460-16,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #10: 1260-2



Original Peak Response = 46902576

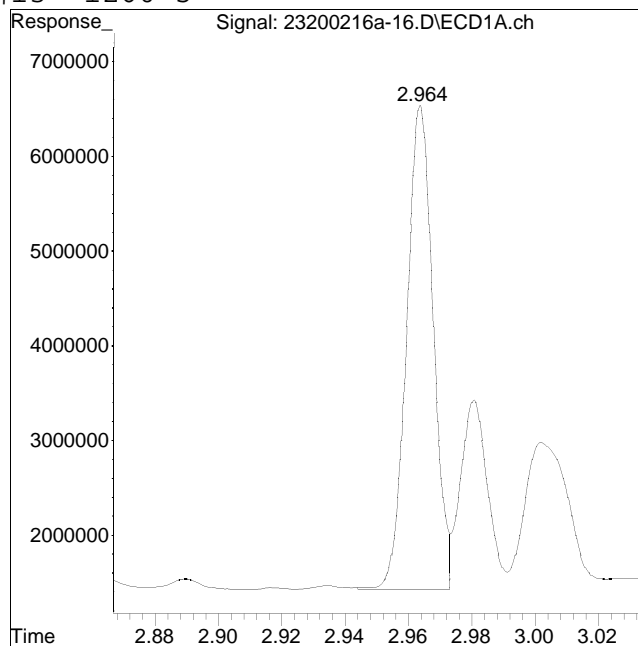
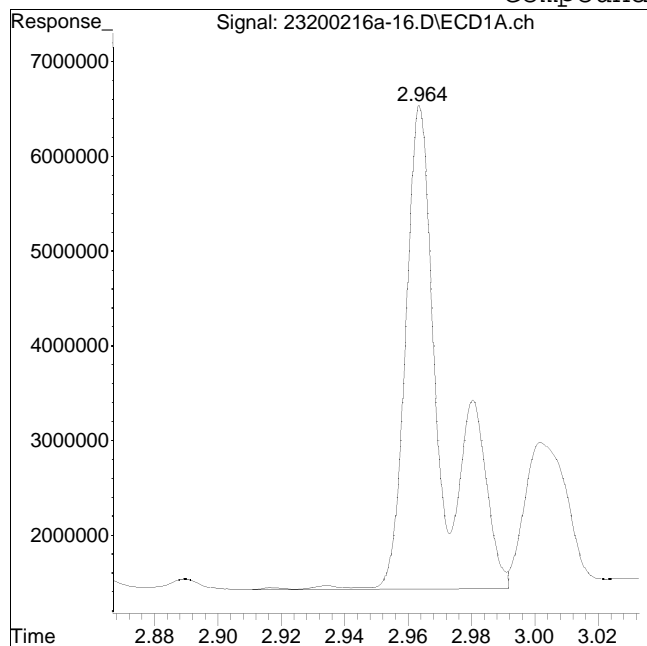
Manual Peak Response = 39776673 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-16.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:10 pm Instrument : Pest 23
Sample : 12006460-16,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #13: 1260-5



Original Peak Response = 41892576

Manual Peak Response = 29651406 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:16 pm
 Operator : pest23:cw
 Sample : l2006460-17,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:53:18 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.925	1.072	25723309	26013910	250.000	250.000
Standard Area 1 : #1 = 24557365					Recovery = 104.75%	
Standard Area 1 : #2 = 25079144					Recovery = 103.73%	
14) i 2154_1br2nb	0.925	1.072	25723309	26013910	250.000	250.000
23) i 4268_1br2nb	0.925	1.072	25723309	26013910	250.000	250.000
34) i 1248_1br2nb	0.925	1.072	25723309	26013910	250.000	250.000
40) i 3262_1br2nb	0.925	1.072	25723309	26013910	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.417	30431081	30236100	193.530	210.298
Spiked Amount 500.000	Range 30 - 150				Recovery = 38.71%	42.06%
3) s Decachlorobi	3.527	4.222	23514599	22463477	214.690M4	173.119
Spiked Amount 500.000	Range 30 - 150				Recovery = 42.94%	34.62%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.784	429386	367192	55.169M4	46.010M4
10) l2 1260-2	2.388	2.885	922404	712196	77.625M2	75.610
11) l2 1260-3	2.680	3.262	509818	590520	69.282M2	73.749M4
12) l2 1260-4	2.825	3.390	1482057	1069706	94.160M2	64.935
13) l2 1260-5	2.964	3.586	633492	973669	75.502M2	83.427

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:16 pm
 Operator : pest23:cw
 Sample : 12006460-17,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:53:18 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			3977157	3713282	371.738	343.730
Average	1260-1					74.348	68.746
15)	13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D.
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum	1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:16 pm
 Operator : pest23:cw
 Sample : 12006460-17,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:53:18 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:16 pm
 Operator : pest23:cw
 Sample : l2006460-17,42e,,
 Misc : wg1341233,wg1340879,ical16474
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:53:18 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

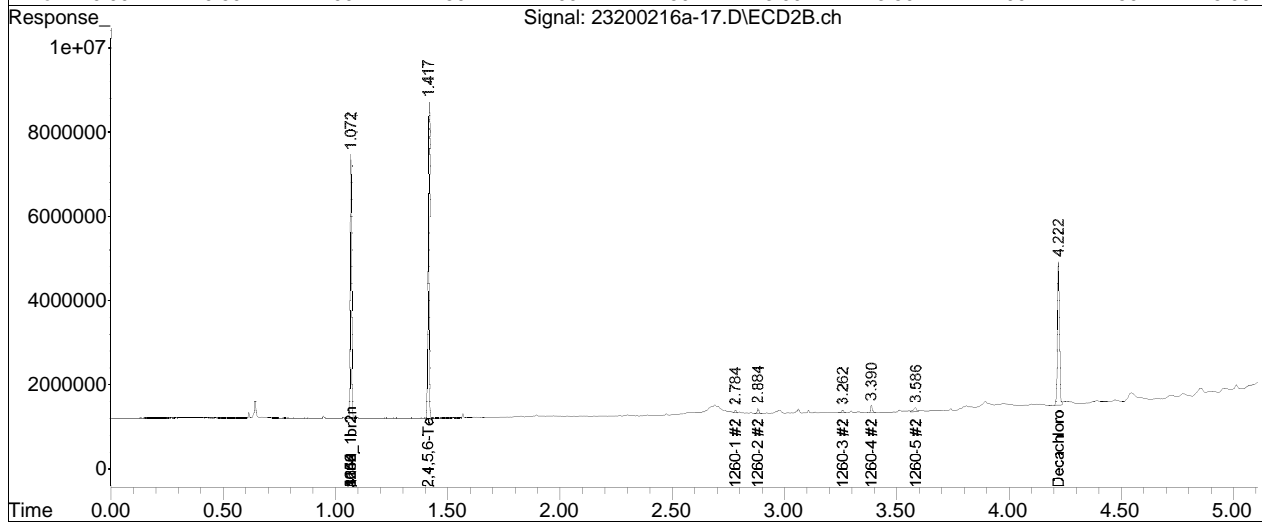
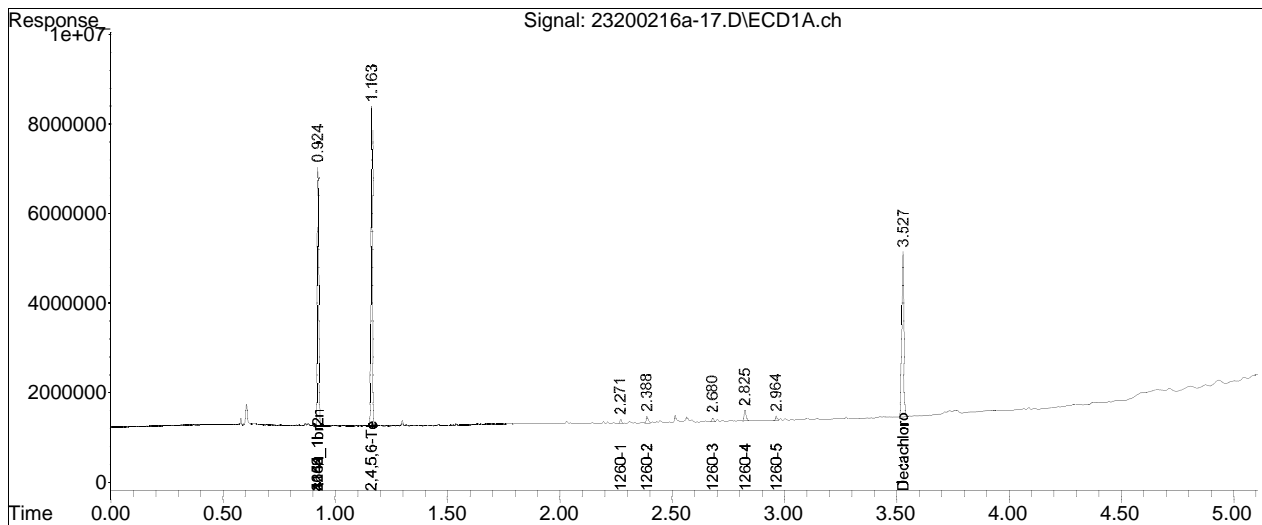
Sub List : Default - All compounds listed16a\23200216a-02.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 01:16 pm
Operator : pest23:cw
Sample : l2006460-17,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:53:18 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

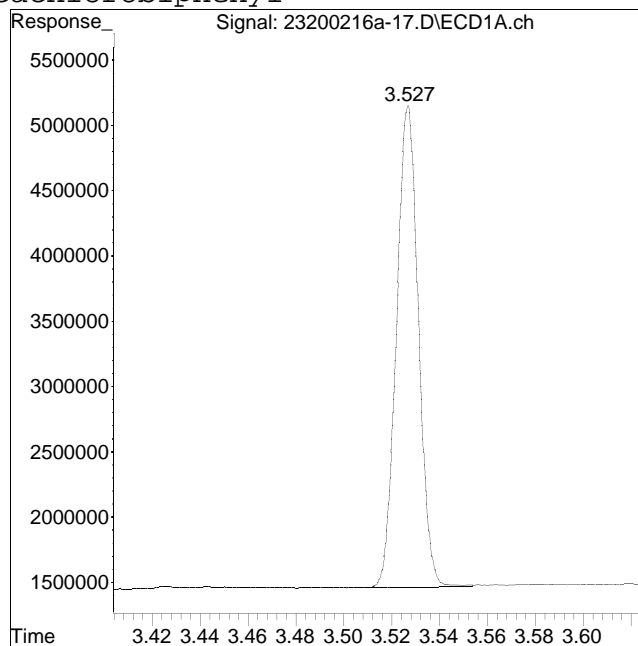
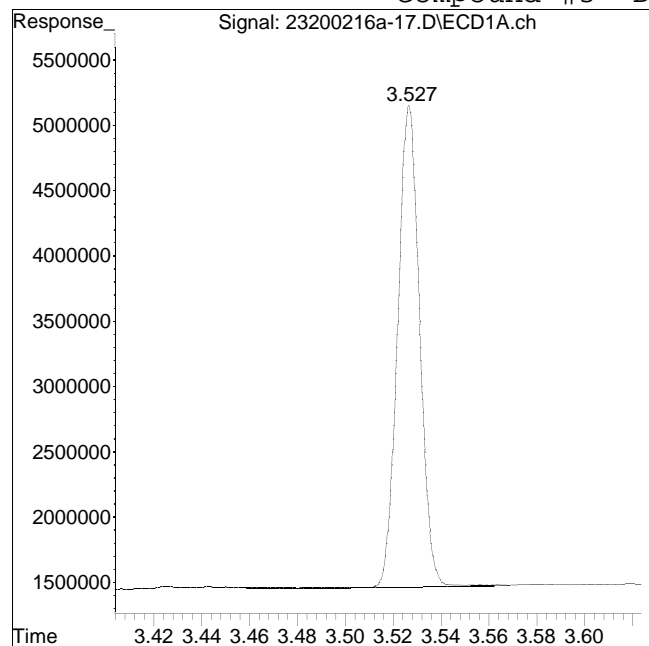
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-17.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:16 pm Instrument : Pest 23
Sample : 12006460-17,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 23728951

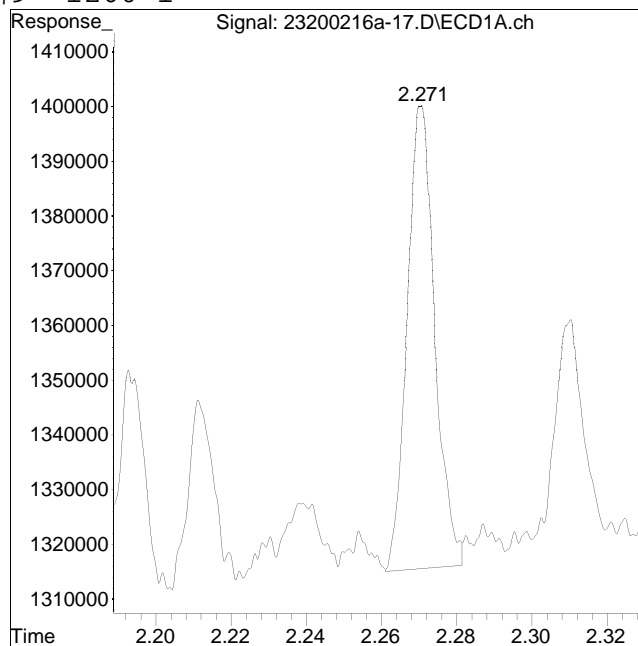
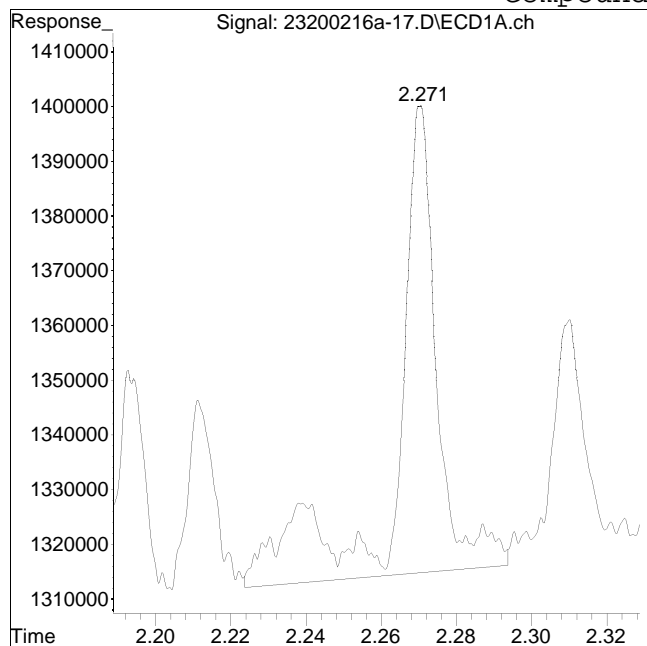
Manual Peak Response = 23514599 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-17.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:16 pm Instrument : Pest 23
Sample : 12006460-17,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #9: 1260-1



Original Peak Response = 638860

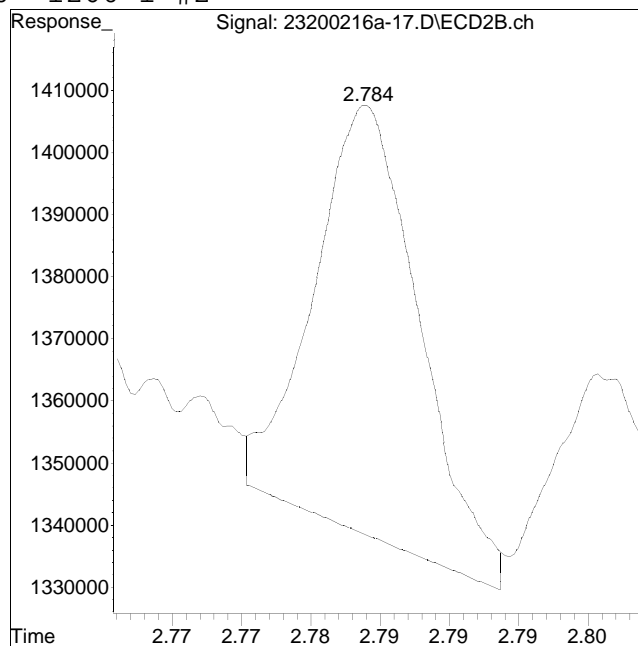
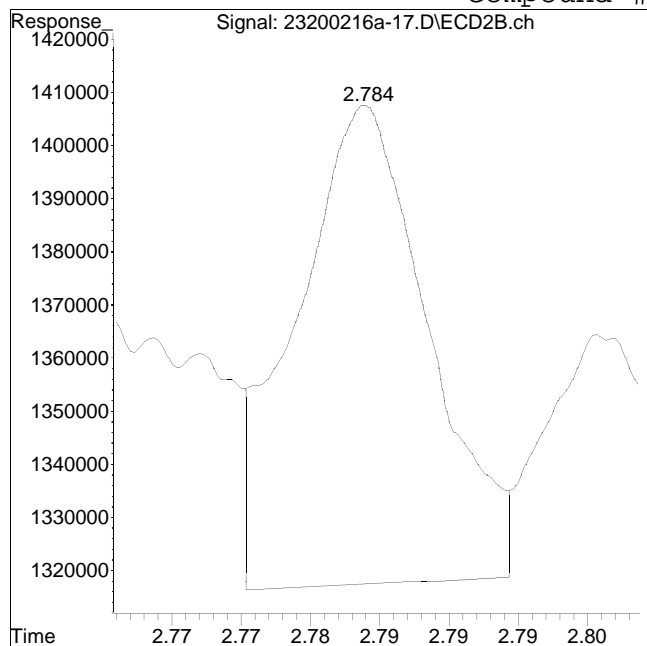
Manual Peak Response = 429386 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-17.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:16 pm Instrument : Pest 23
Sample : 12006460-17,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #60: 1260-1 #2



Original Peak Response = 599721

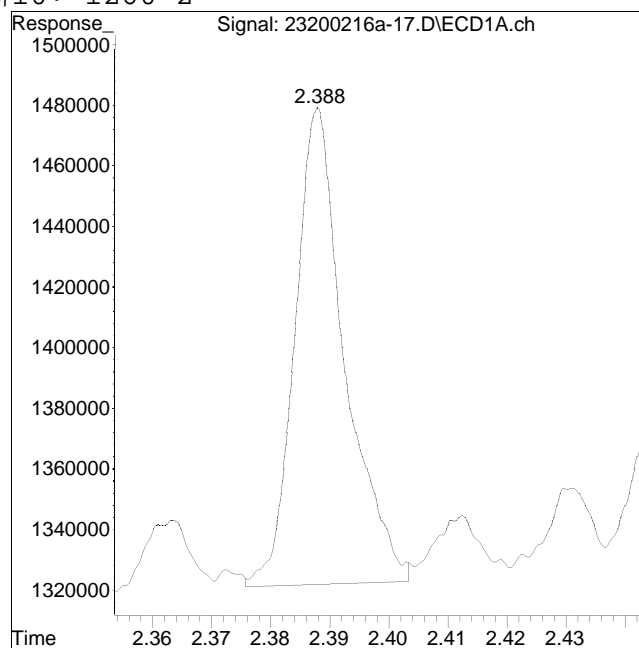
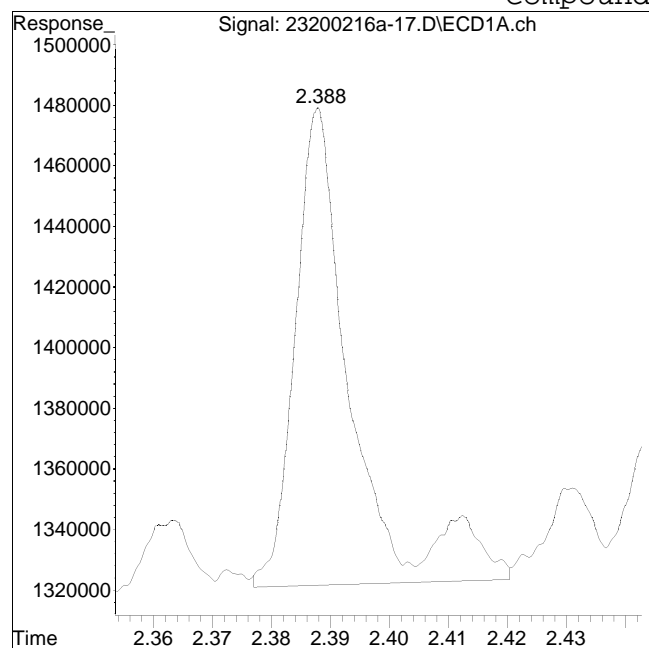
Manual Peak Response = 367192 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-17.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:16 pm Instrument : Pest 23
Sample : 12006460-17,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #10: 1260-2



Original Peak Response = 1045925

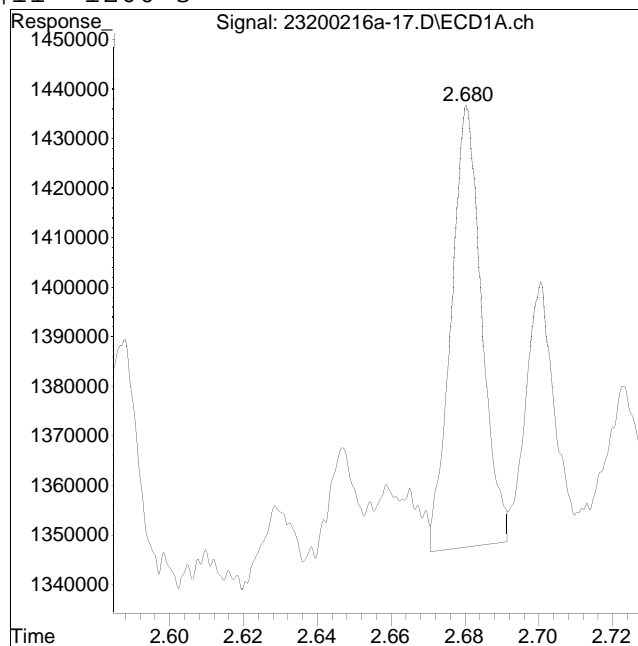
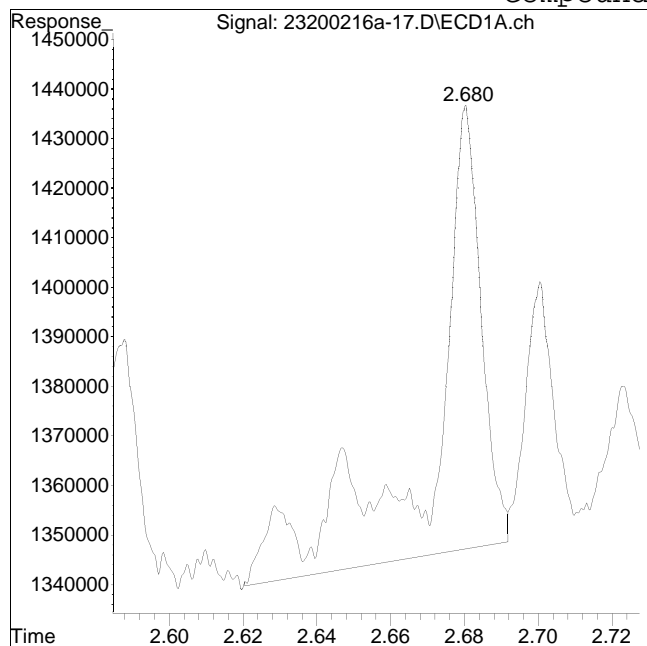
Manual Peak Response = 922404 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-17.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:16 pm Instrument : Pest 23
Sample : 12006460-17,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #11: 1260-3



Original Peak Response = 852543

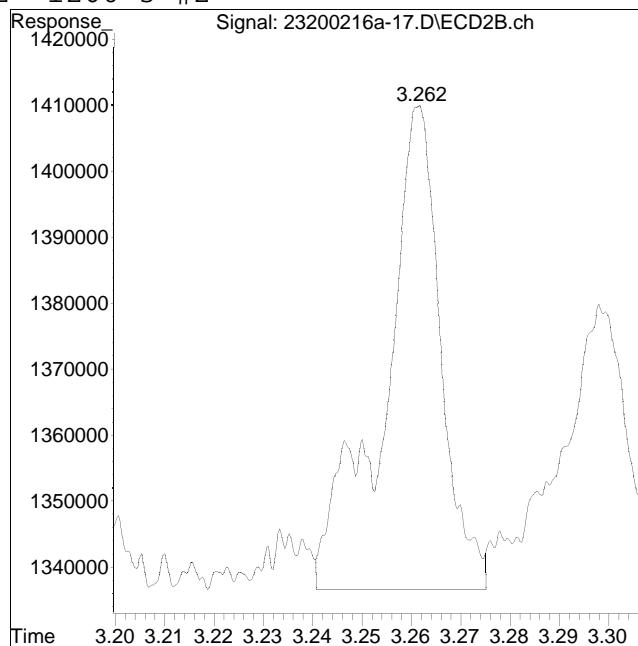
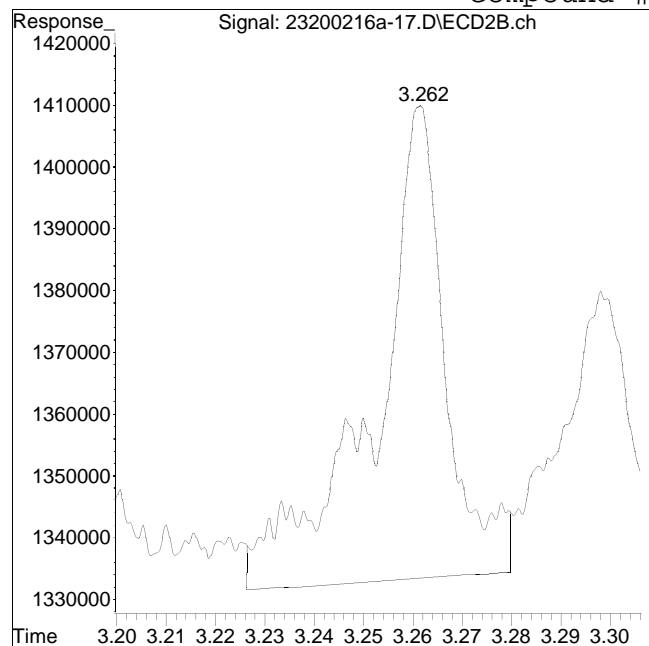
Manual Peak Response = 509818 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-17.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:16 pm Instrument : Pest 23
Sample : 12006460-17,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #62: 1260-3 #2



Original Peak Response = 770143

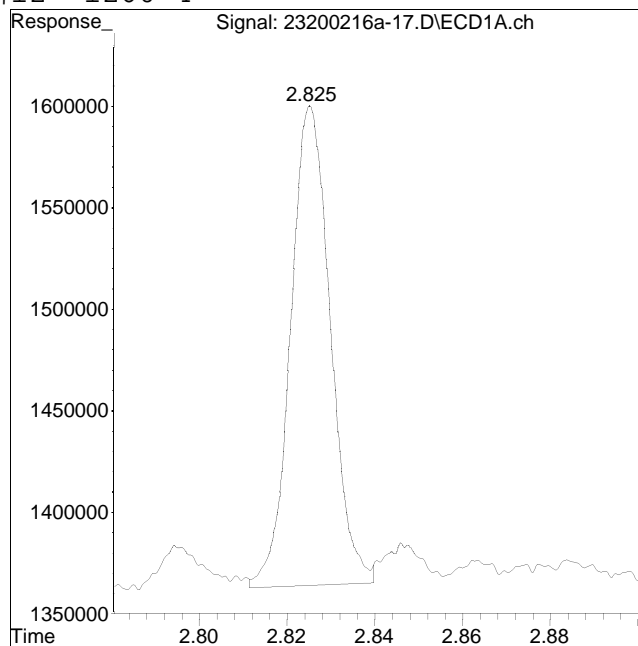
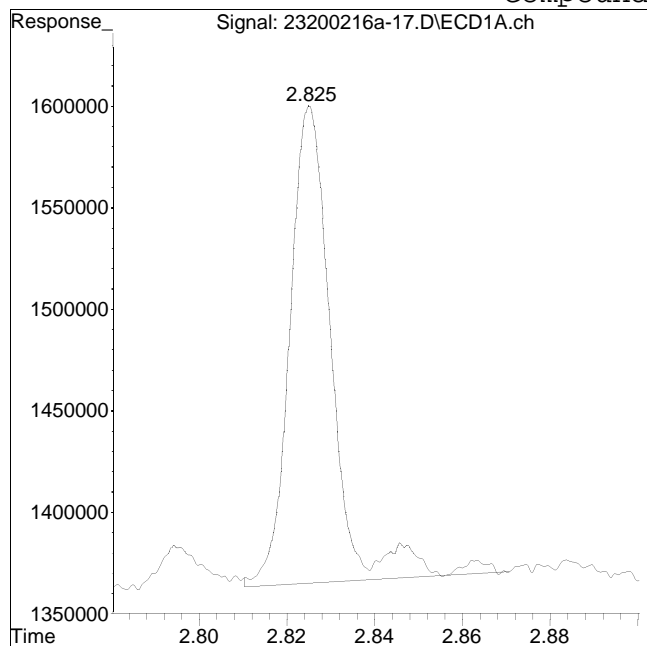
Manual Peak Response = 590520 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-17.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:16 pm Instrument : Pest 23
Sample : 12006460-17,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #12: 1260-4



Original Peak Response = 1577779

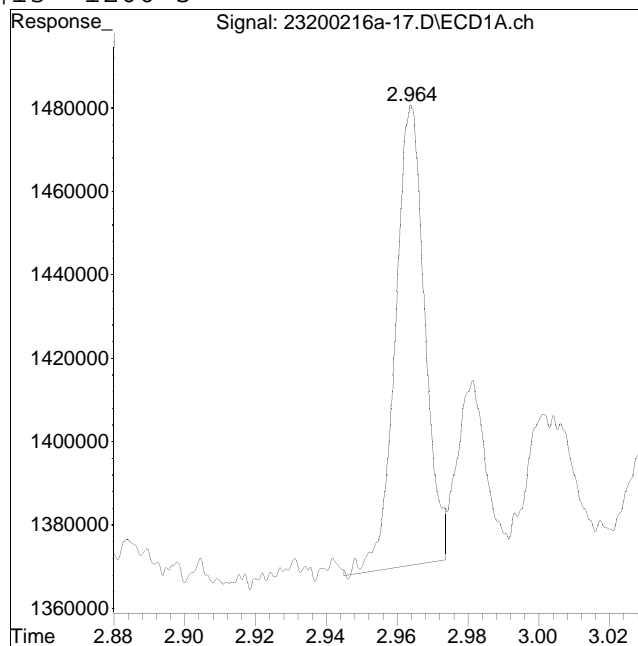
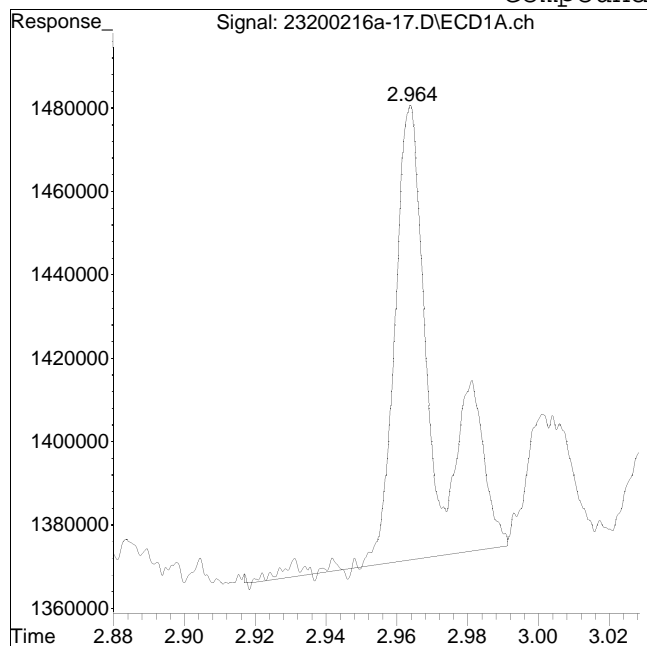
Manual Peak Response = 1482057 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-17.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:16 pm Instrument : Pest 23
Sample : 12006460-17,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #13: 1260-5



Original Peak Response = 852203

Manual Peak Response = 633492 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:23 pm
 Operator : pest23:cw
 Sample : l2006460-18,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:54:41 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.925	1.072	26430537	26767552	250.000	250.000
Standard Area 1 : #1 = 24557365					Recovery =	107.63%
Standard Area 1 : #2 = 25079144					Recovery =	106.73%
14) i 2154_1br2nb	0.925	1.072	26430537	26767552	250.000	250.000
23) i 4268_1br2nb	0.925	1.072	26430537	26767552	250.000	250.000
34) i 1248_1br2nb	0.925	1.072	26430537	26767552	250.000	250.000
40) i 3262_1br2nb	0.925	1.072	26430537	26767552	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.417	32400457	32141014	200.541	217.253
Spiked Amount 500.000	Range 30 - 150				Recovery =	40.11% 43.45%
3) s Decachlorobi	3.526	4.222	24308758	24045543	216.074M4	180.094
Spiked Amount 500.000	Range 30 - 150				Recovery =	43.21% 36.02%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.270	2.784	6756109	7174451	844.829M2	873.667
10) l2 1260-2	2.388	2.884	13134753	10747336	1075.776	1108.856
11) l2 1260-3	2.680	3.261	6474228	8167136	856.277	991.260
12) l2 1260-4	2.825	3.390	15769724	15387942	975.090M2	907.801
13) l2 1260-5	2.964	3.586	8881696	11447678	1030.225M2	953.254
Sum 1260-1			51016509	52924544	4782.197	4834.837
Average 1260-1					956.439	966.967

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:23 pm
 Operator : pest23:cw
 Sample : l2006460-18,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:54:41 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:23 pm
 Operator : pest23:cw
 Sample : l2006460-18,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:54:41 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:23 pm
 Operator : pest23:cw
 Sample : l2006460-18,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:54:41 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

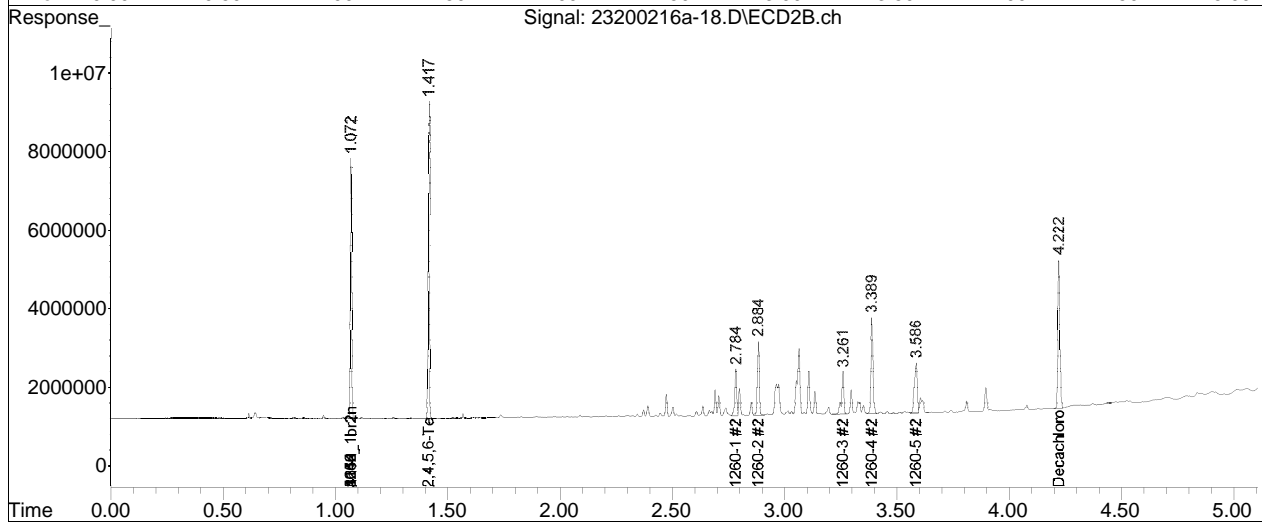
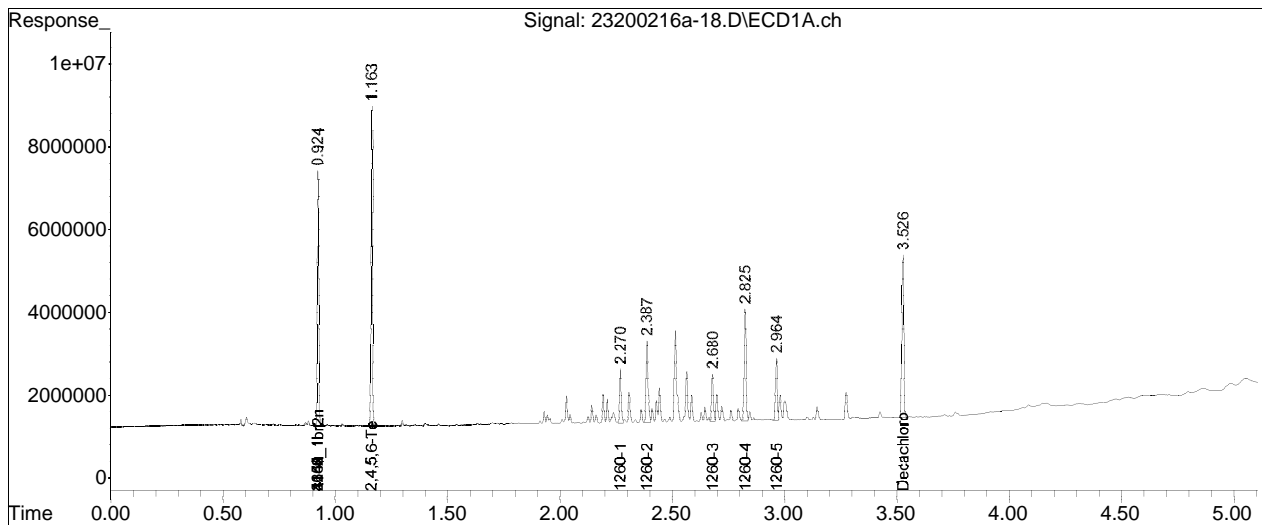
Sub List : Default - All compounds listed16a\23200216a-02.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 01:23 pm
Operator : pest23:cw
Sample : 12006460-18,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:54:41 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

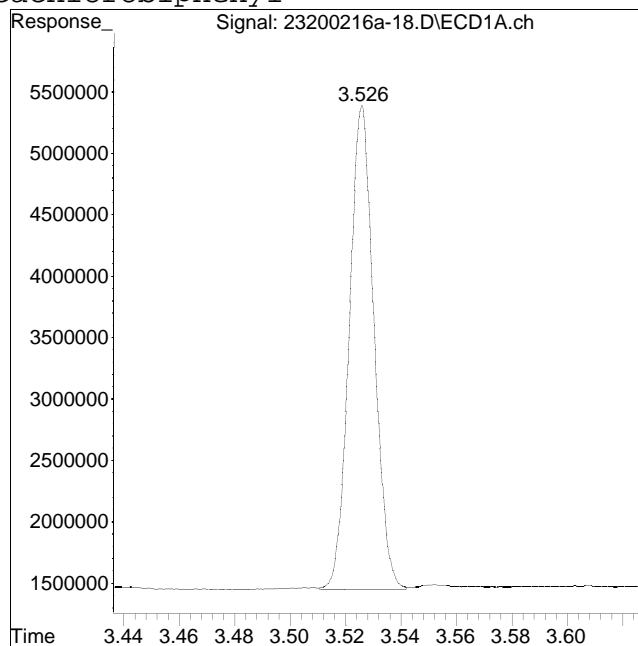
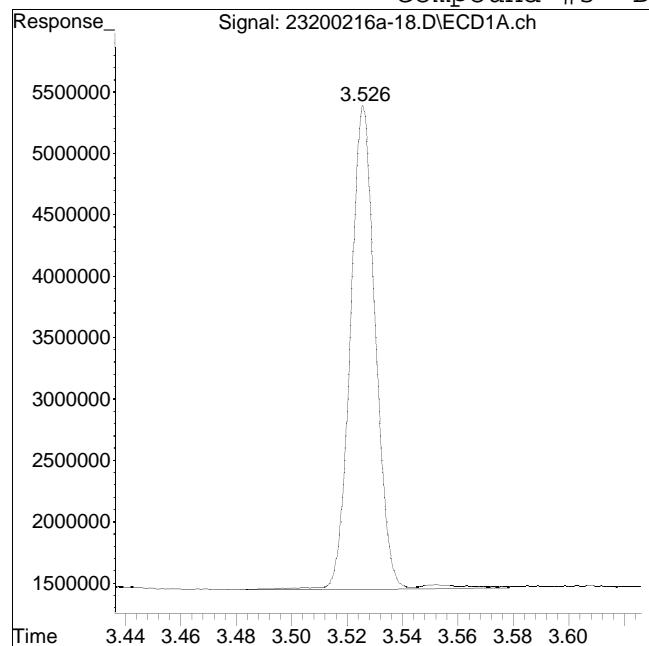
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-18.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:23 pm Instrument : Pest 23
Sample : 12006460-18,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 24797510

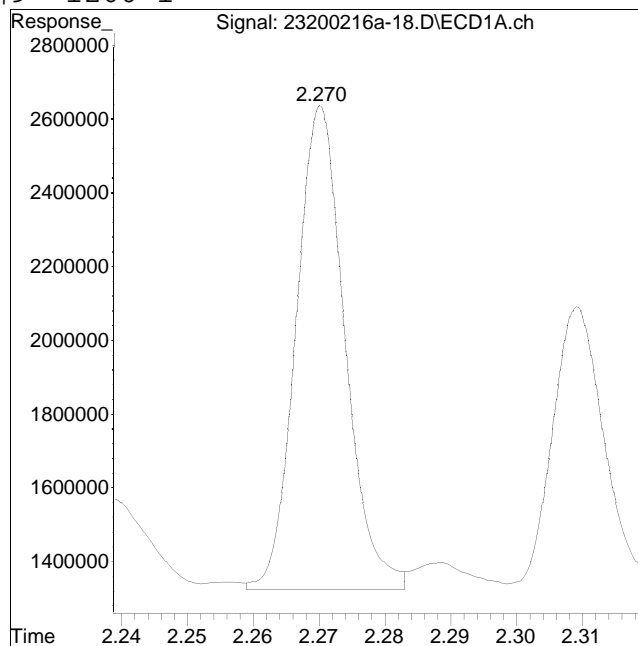
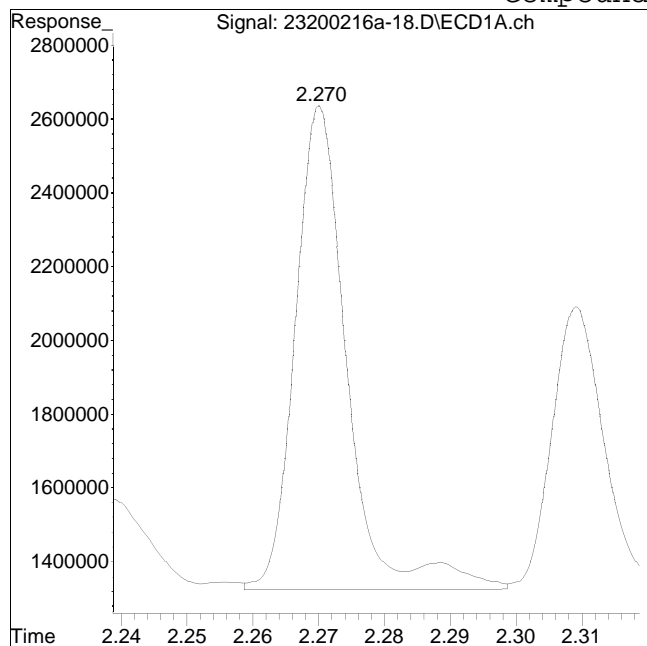
Manual Peak Response = 24308758 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-18.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:23 pm Instrument : Pest 23
Sample : 12006460-18,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #9: 1260-1



Original Peak Response = 7193903

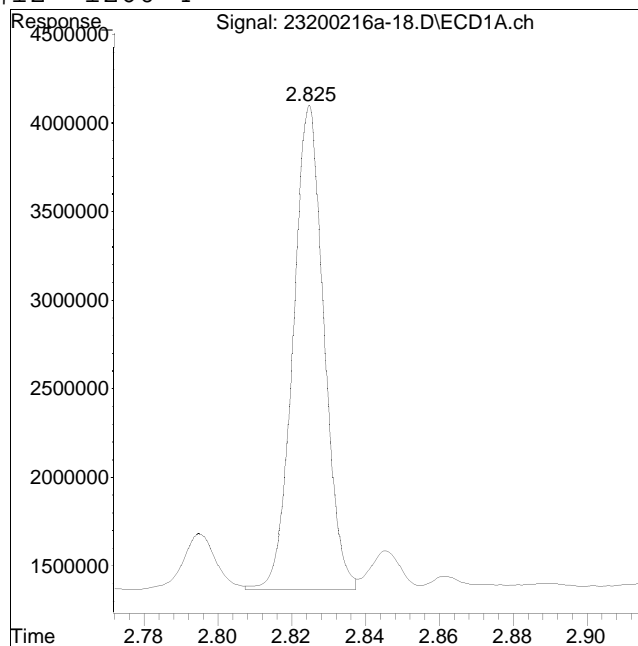
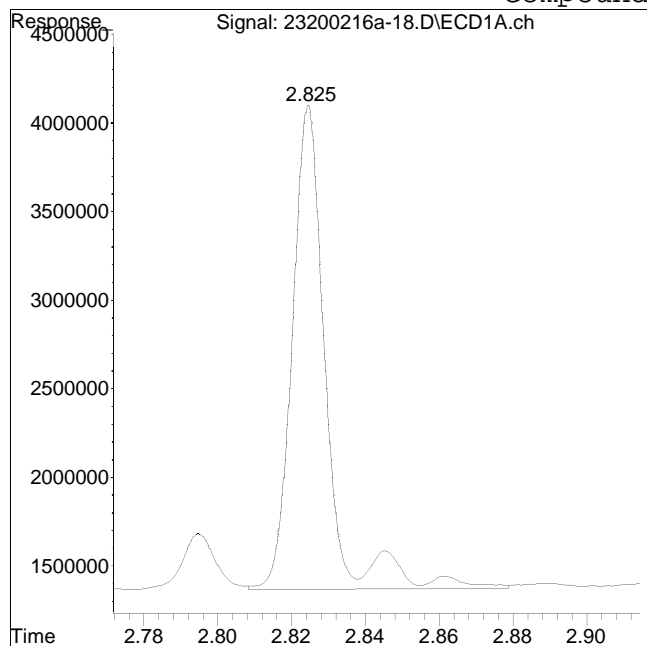
Manual Peak Response = 6756109 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-18.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:23 pm Instrument : Pest 23
Sample : 12006460-18,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #12: 1260-4



Original Peak Response = 17405376

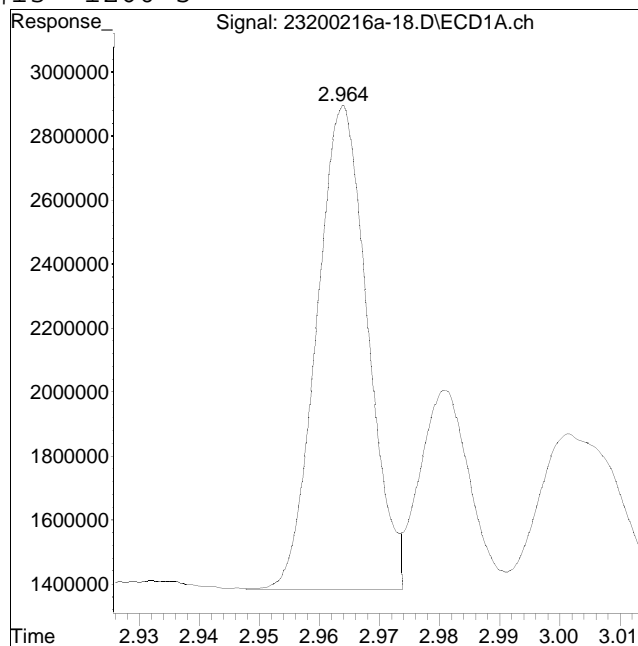
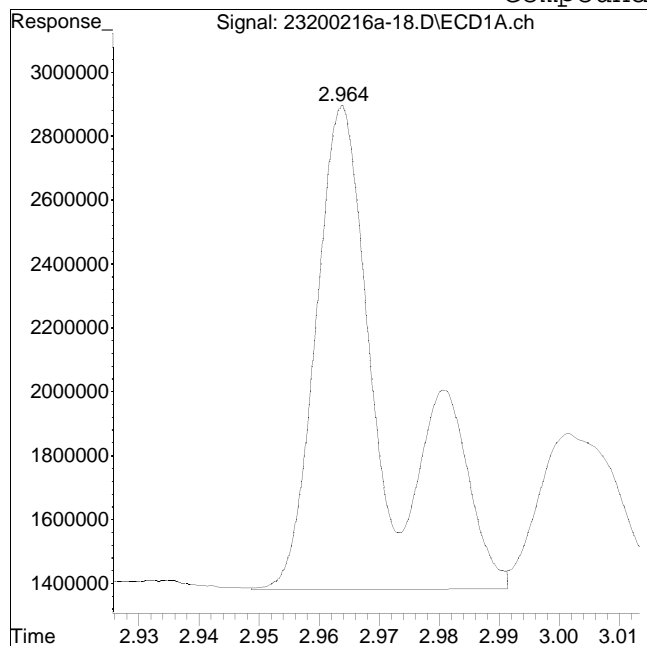
Manual Peak Response = 15769724 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-18.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:23 pm Instrument : Pest 23
Sample : 12006460-18,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #13: 1260-5



Original Peak Response = 12508600

Manual Peak Response = 8881696 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:30 pm
 Operator : pest23:cw
 Sample : l2006460-19,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:55:55 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.072	27767878	28736346	250.000M4	250.000
Standard Area 1 : #1 = 24557365					Recovery = 113.07%	
Standard Area 1 : #2 = 25079144					Recovery = 114.58%	
14) i 2154_1br2nb	0.924	1.072	27767878	28736346	250.000M4	250.000
23) i 4268_1br2nb	0.924	1.072	27767878	28736346	250.000M4	250.000
34) i 1248_1br2nb	0.924	1.072	27767878	28736346	250.000M4	250.000
40) i 3262_1br2nb	0.924	1.072	27767878	28736346	250.000M4	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.417	33224822	33078302	195.739	208.270
Spiked Amount 500.000	Range 30 - 150				Recovery = 39.15%	41.65%
3) s Decachlorobi	3.527	4.222	25455120	24683322	215.328	172.205
Spiked Amount 500.000	Range 30 - 150				Recovery = 43.07%	34.44%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.785	28205103	30518985	3357.090	3461.820
10) l2 1260-2	2.388	2.884	55220361	46166870	4304.894	4436.921
11) l2 1260-3	2.681	3.261	29478925	30252245	3711.088	3420.207
12) l2 1260-4	2.825	3.390	74990137	79224878	4413.551	4353.602
13) l2 1260-5	2.964	3.587	41998864	55653280	4636.998	4316.773
Sum 1260-1			229.9E6	241.8E6	20423.621	19989.323
Average 1260-1					4084.724	3997.865

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:30 pm
 Operator : pest23:cw
 Sample : l2006460-19,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:55:55 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:30 pm
 Operator : pest23:cw
 Sample : l2006460-19,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:55:55 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:30 pm
 Operator : pest23:cw
 Sample : l2006460-19,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:55:55 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

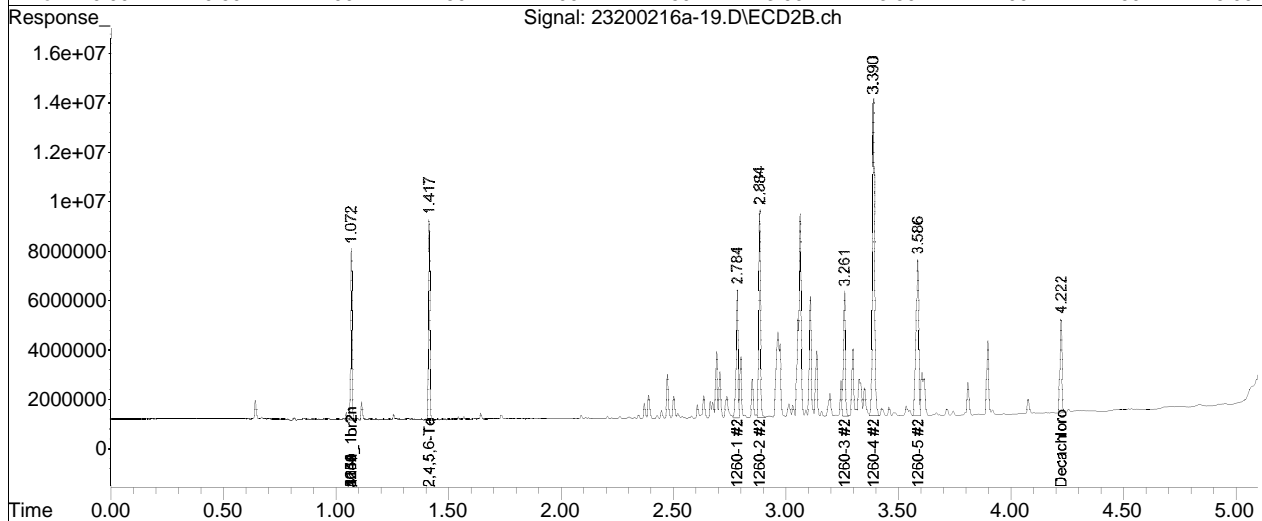
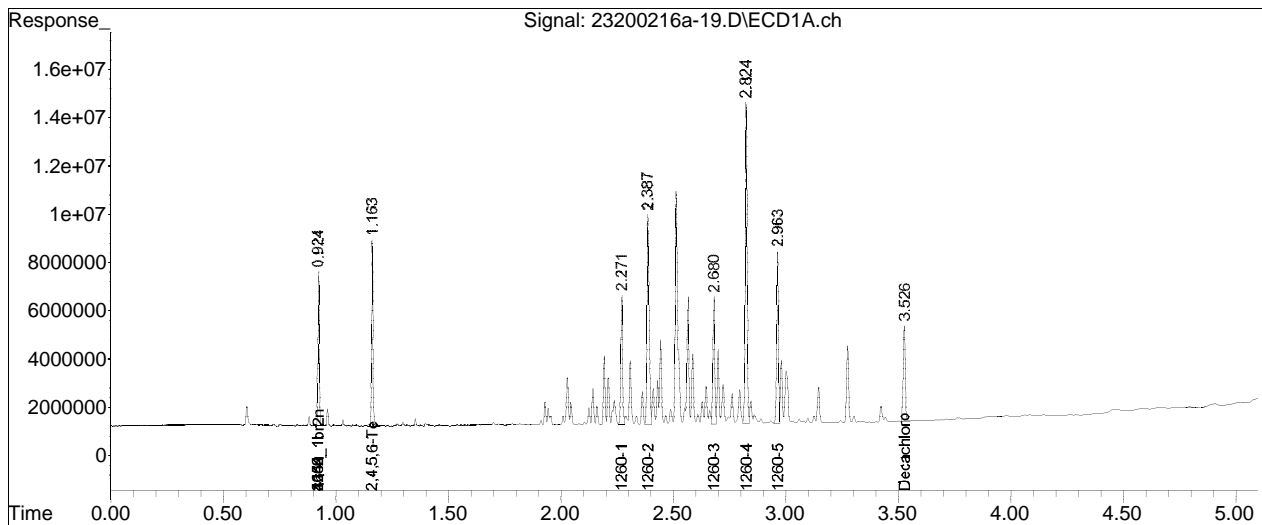
Sub List : Default - All compounds listed16a\23200216a-02.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 01:30 pm
Operator : pest23:cw
Sample : l2006460-19,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:55:55 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

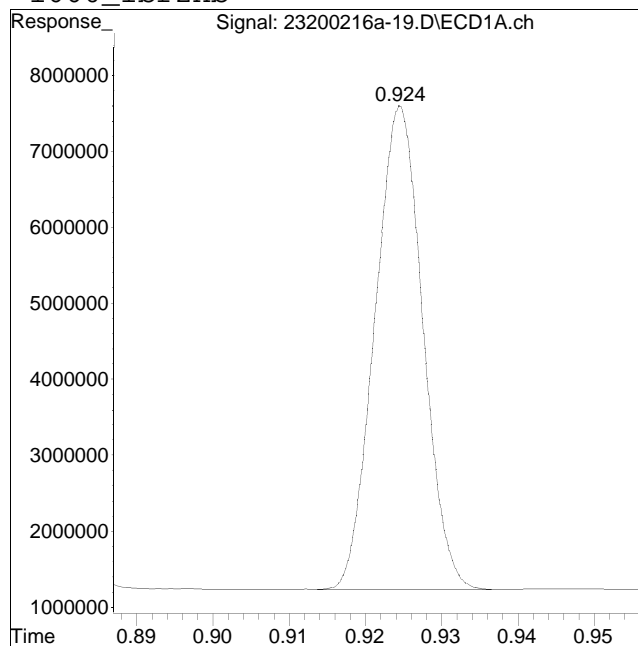
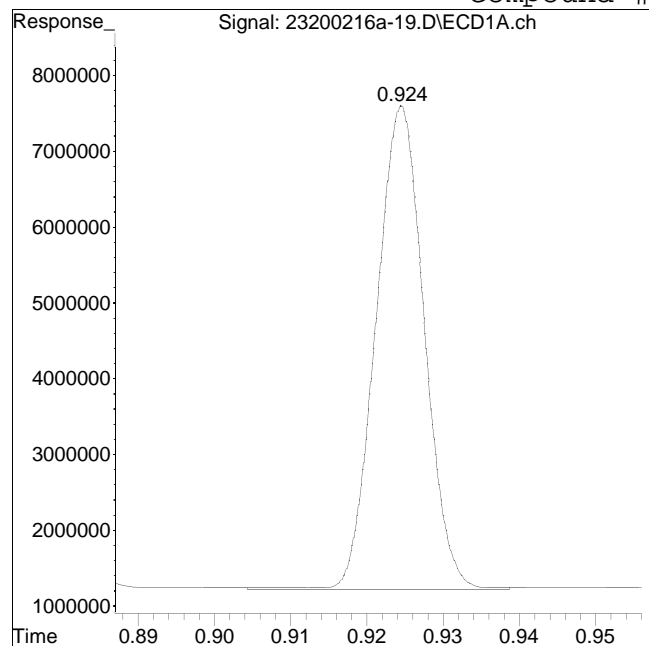
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-19.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:30 pm Instrument : Pest 23
Sample : 12006460-19,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #1: 1660_1br2nb



Original Peak Response = 28207874

Manual Peak Response = 27767878 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-26.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 02:17 pm
 Operator : pest23:cw
 Sample : l2006460-23,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:58:37 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.071	26405302	26725722	250.000	250.000
Standard Area 1 : #1 = 25317335					Recovery =	104.30%
Standard Area 1 : #2 = 25417458					Recovery =	105.15%
14) i 2154_1br2nb	0.924	1.071	26405302	26725722	250.000	250.000
23) i 4268_1br2nb	0.924	1.071	26405302	26725722	250.000	250.000
34) i 1248_1br2nb	0.924	1.071	26405302	26725722	250.000	250.000
40) i 3262_1br2nb	0.924	1.071	26405302	26725722	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.416	28121395	27910929	174.222	188.956
Spiked Amount 500.000	Range 30 - 150				Recovery =	34.84%
3) s Decachlorobi	3.525	4.221	22047936	20892517	195.071	156.724
Spiked Amount 500.000	Range 30 - 150				Recovery =	39.01%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.270	2.784	692928	739376	86.731	90.178
10) l2 1260-2	2.387	2.884	1292327	1008819	105.947	104.248
11) l2 1260-3	2.679	3.260	695379	694704	92.058M2	84.449M2
12) l2 1260-4	2.824	3.389	1617611	1535518	100.117	90.729
13) l2 1260-5	2.963	3.585	897885	1088248	104.249	90.761
Sum 1260-1			5196129	5066666	489.102	460.365

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-26.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 02:17 pm
 Operator : pest23:cw
 Sample : 12006460-23,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:58:37 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					97.820	92.073
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D.
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-26.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 02:17 pm
 Operator : pest23:cw
 Sample : 12006460-23,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:58:37 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-26.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 02:17 pm
 Operator : pest23:cw
 Sample : l2006460-23,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:58:37 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

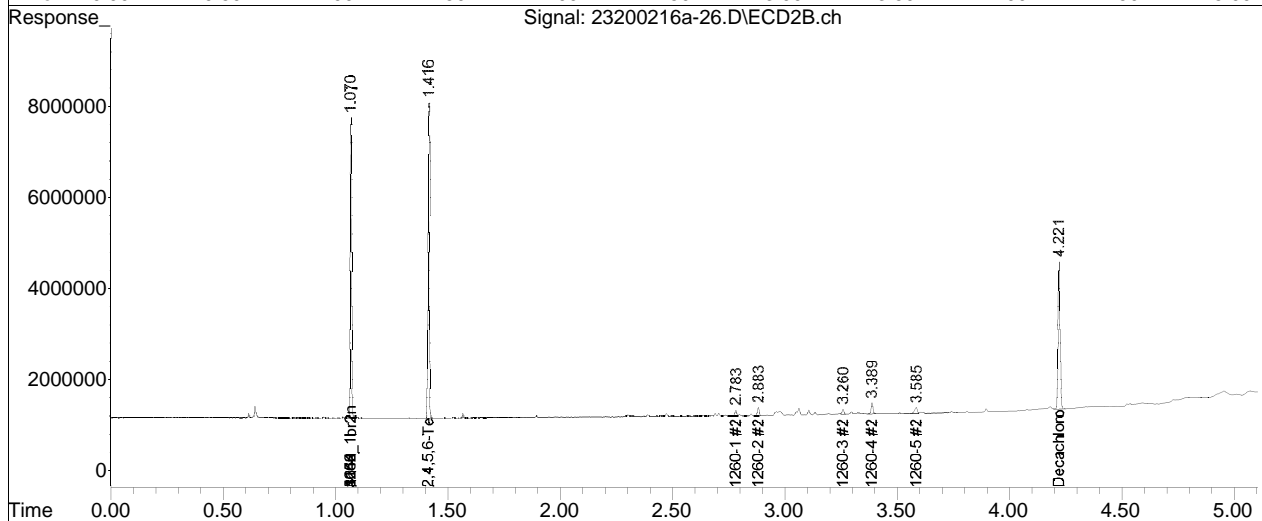
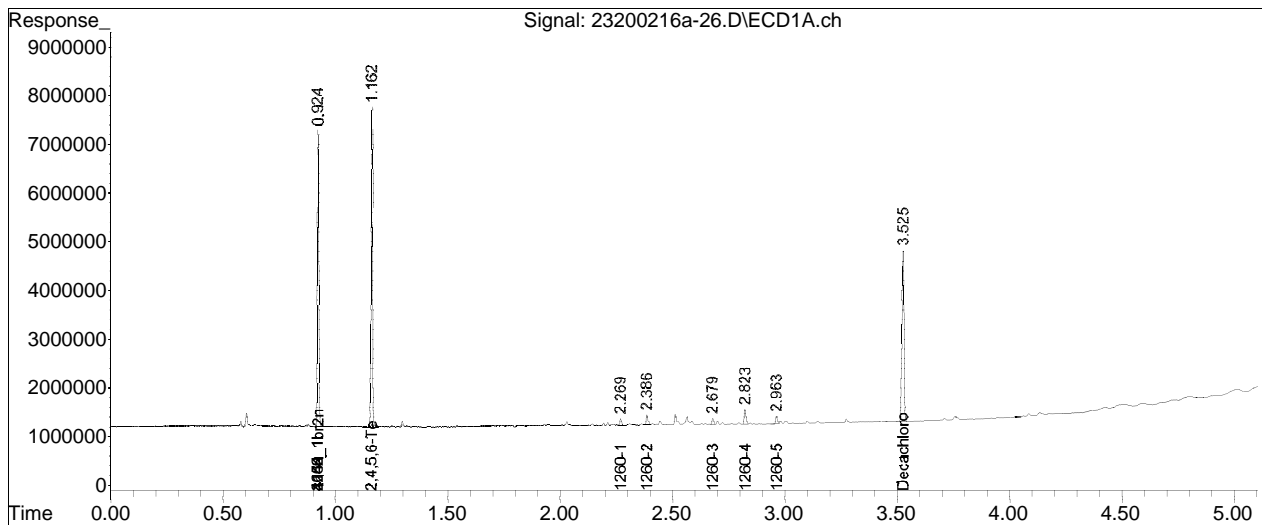
Sub List : Default - All compounds listed16a\23200216a-23.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 02:17 pm
Operator : pest23:cw
Sample : 12006460-23,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:58:37 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

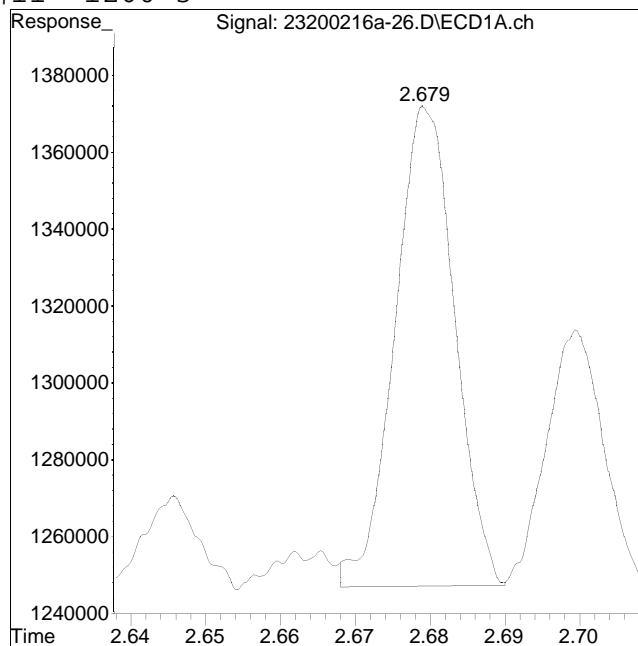
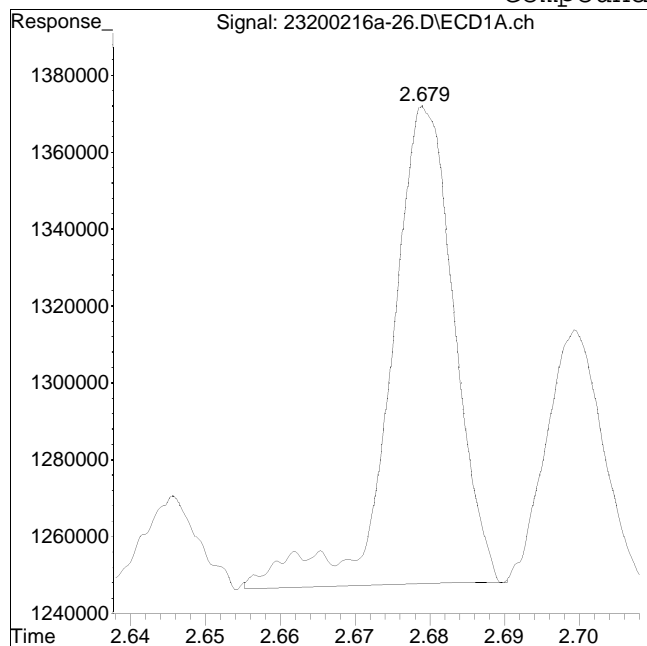
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-26.D Operator : pest23:cw
Date Inj'd : 2/16/2020 2:17 pm Instrument : Pest 23
Sample : 12006460-23,42e,, Quant Date : 2/18/2020 1:57 pm

Compound #11: 1260-3



Original Peak Response = 736798

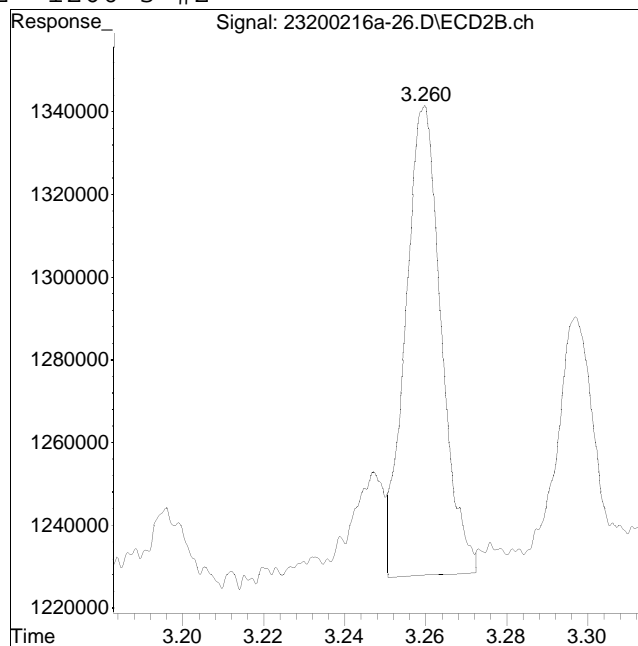
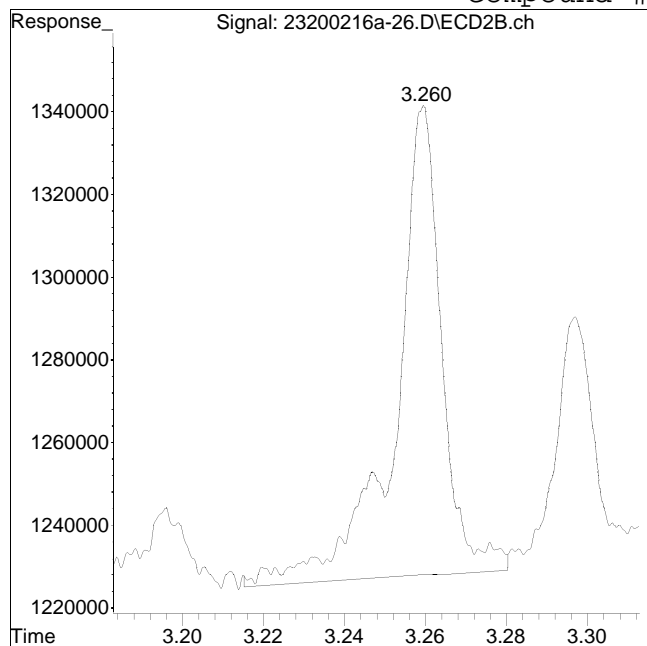
Manual Peak Response = 695379 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-26.D Operator : pest23:cw
Date Inj'd : 2/16/2020 2:17 pm Instrument : Pest 23
Sample : 12006460-23,42e,, Quant Date : 2/18/2020 1:57 pm

Compound #62: 1260-3 #2



Original Peak Response = 913813

Manual Peak Response = 694704 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-28.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 02:31 pm
 Operator : pest23:cw
 Sample : l2006460-26,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:59:14 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.071	28171744	28803609	250.000	250.000
Standard Area 1 : #1 = 25317335					Recovery =	111.27%
Standard Area 1 : #2 = 25417458					Recovery =	113.32%
14) i 2154_1br2nb	0.924	1.071	28171744	28803609	250.000	250.000
23) i 4268_1br2nb	0.924	1.071	28171744	28803609	250.000	250.000
34) i 1248_1br2nb	0.924	1.071	28171744	28803609	250.000	250.000
40) i 3262_1br2nb	0.924	1.071	28171744	28803609	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.416	27612138	27331099	160.341	171.682
Spiked Amount 500.000	Range 30 - 150				Recovery =	32.07%
3) s Decachlorobi	3.525	4.220	22565726	21613651	186.651	150.437
Spiked Amount 500.000	Range 30 - 150				Recovery =	37.33%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.270	2.783	18282844	18381969	2144.905	2080.228
10) l2 1260-2	2.387	2.883	31521925	25176890	2422.172	2414.004
11) l2 1260-3	2.680	3.260	17756151	21743644	2203.268	2452.515
12) l2 1260-4	2.824	3.389	41174283	43208396	2388.576	2368.863
13) l2 1260-5	2.963	3.585	23686399	31094478	2577.670	2406.226
Sum 1260-1			132.4E6	139.6E6	11736.591	11721.836
Average 1260-1					2347.318	2344.367

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-28.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 02:31 pm
 Operator : pest23:cw
 Sample : 12006460-26,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:59:14 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-28.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 02:31 pm
 Operator : pest23:cw
 Sample : 12006460-26,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:59:14 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-28.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 02:31 pm
 Operator : pest23:cw
 Sample : l2006460-26,42e,,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:59:14 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

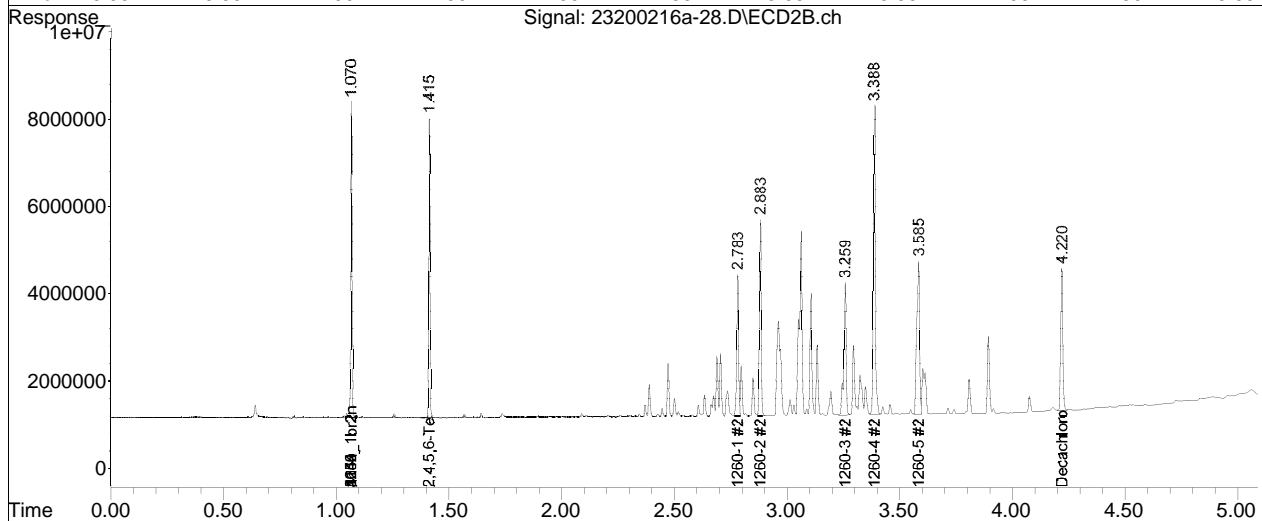
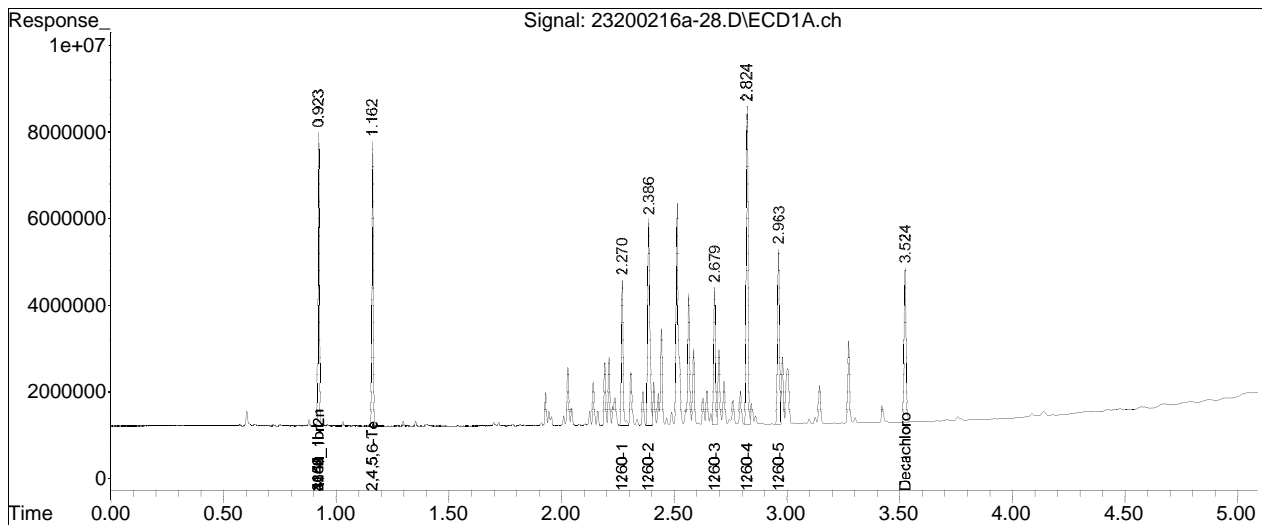
Sub List : Default - All compounds listed16a\23200216a-23.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 02:31 pm
Operator : pest23:cw
Sample : l2006460-26,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:59:14 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-28.D Operator : pest23:cw
Date Inj'd : 2/16/2020 2:31 pm Instrument : Pest 23
Sample : 12006460-26,42e,, Quant Date : 2/18/2020 1:57 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 04:03 pm
 Operator : pest23:cw
 Sample : l2006460-01d,42e,100,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 14:03:04 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.926	1.069	22817065	23843515	250.000	250.000
Standard Area 1 : #1 = 25317335					Recovery =	90.12%
Standard Area 1 : #2 = 25417458					Recovery =	93.81%
14) i 2154_1br2nb	0.926	1.069	22817065	23843515	250.000	250.000
23) i 4268_1br2nb	0.926	1.069	22817065	23843515	250.000	250.000
34) i 1248_1br2nb	0.926	1.069	22817065	23843515	250.000	250.000
40) i 3262_1br2nb	0.926	1.069	22817065	23843515	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.298f	2.803f	27422372	28640093	3972.128M3	3915.345M3
10) l2 1260-2	2.415f	2.902f	47569514	39134001	4513.099M3	4532.802M3
11) l2 1260-3	2.708f	3.279f	26907770	32266093	4122.401M3	4396.453
12) l2 1260-4	2.852f	3.407f	61526154	67086004	4406.834M3	4443.041M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 04:03 pm
 Operator : pest23:cw
 Sample : l2006460-01d,42e,100,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 14:03:04 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	12 1260-5	2.991f	3.604f	35119309	47565559	4718.763M2	4446.541M3
	Sum 1260-1			198.5E6	214.7E6	21733.225	21734.182
	Average 1260-1					4346.645	4346.836
15)	13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D.	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 04:03 pm
 Operator : pest23:cw
 Sample : l2006460-01d,42e,100,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 14:03:04 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 04:03 pm
 Operator : pest23:cw
 Sample : 12006460-01d,42e,100,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 14:03:04 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

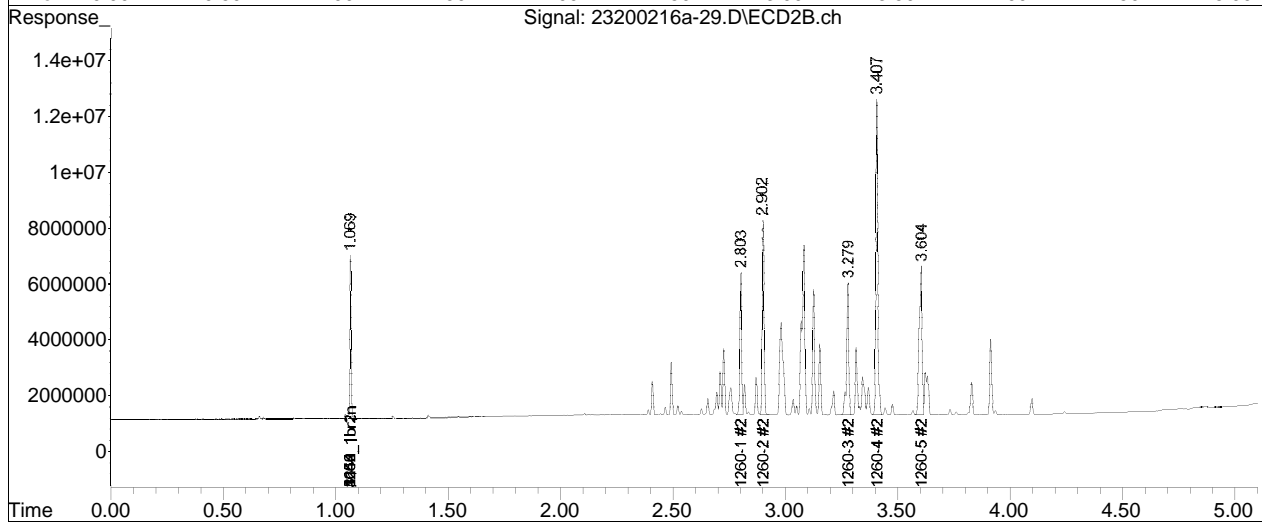
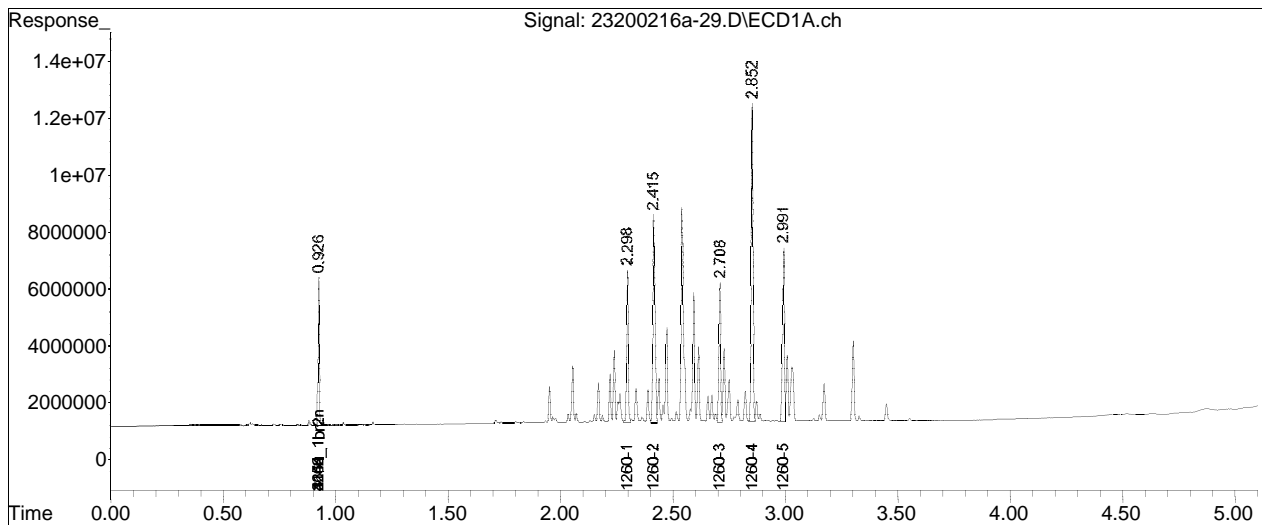
Sub List : Default - All compounds listed16a\23200216a-23.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-29.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 04:03 pm
Operator : pest23:cw
Sample : l2006460-01d,42e,100,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 14:03:04 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

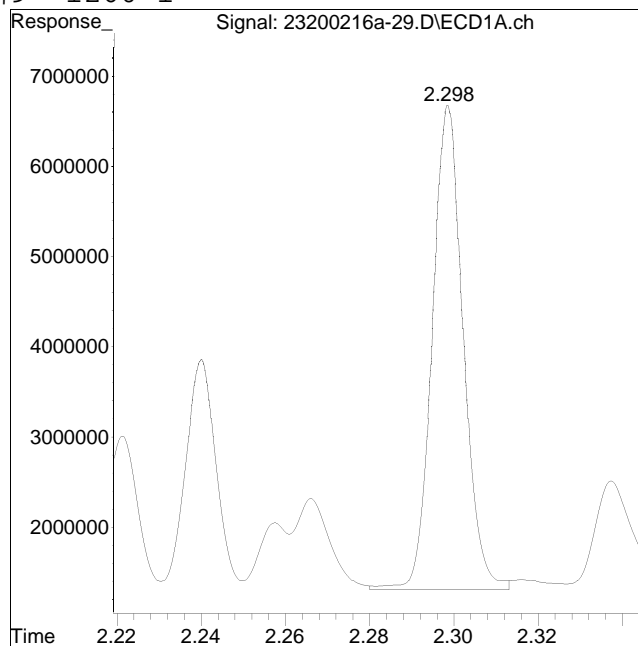
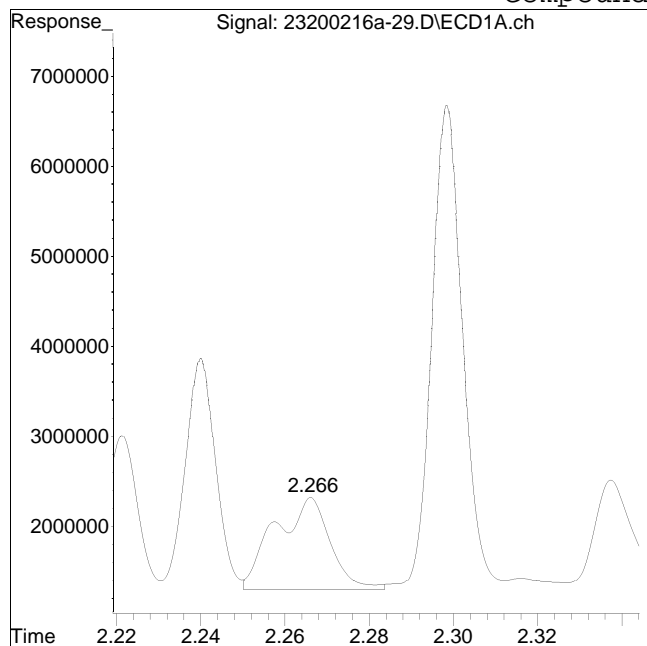
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-29.D Operator : pest23:cw
Date Inj'd : 2/16/2020 4:03 pm Instrument : Pest 23
Sample : 12006460-01d,42e,100, Quant Date : 2/18/2020 1:57 pm

Compound #9: 1260-1



Original Peak Response = 9460256

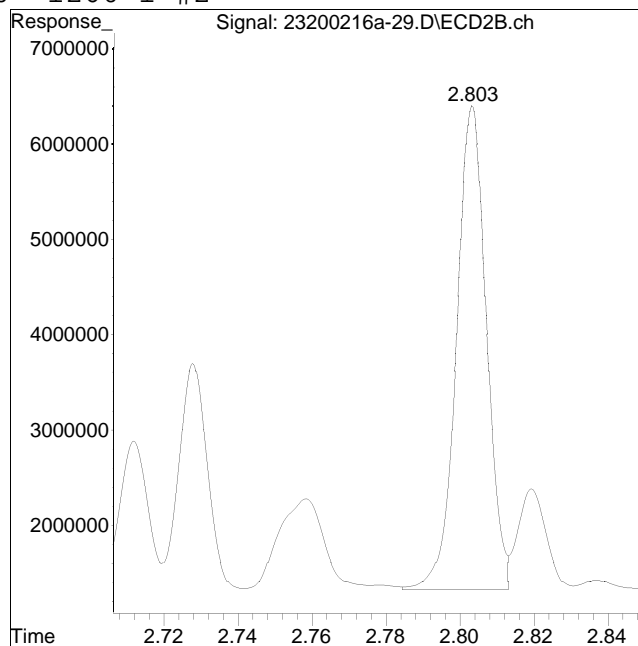
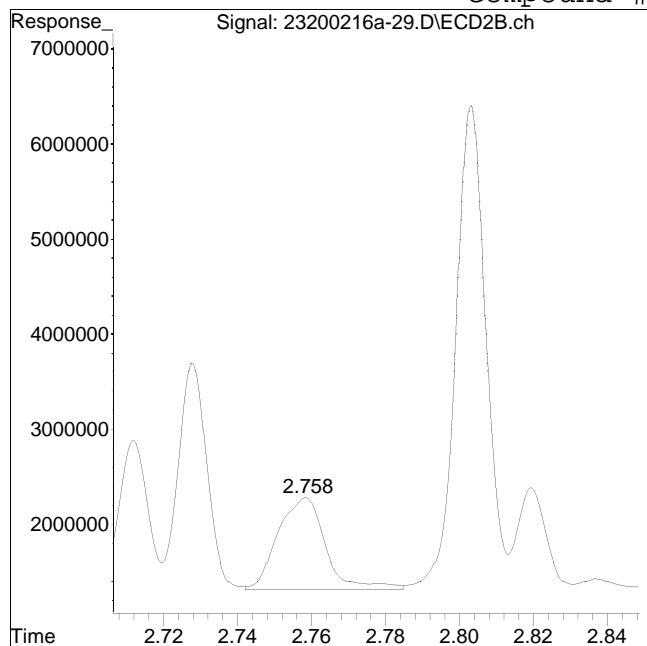
Manual Peak Response = 27422372 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-29.D Operator : pest23:cw
Date Inj'd : 2/16/2020 4:03 pm Instrument : Pest 23
Sample : 12006460-01d,42e,100, Quant Date : 2/18/2020 1:57 pm

Compound #60: 1260-1 #2



Original Peak Response = 8777257

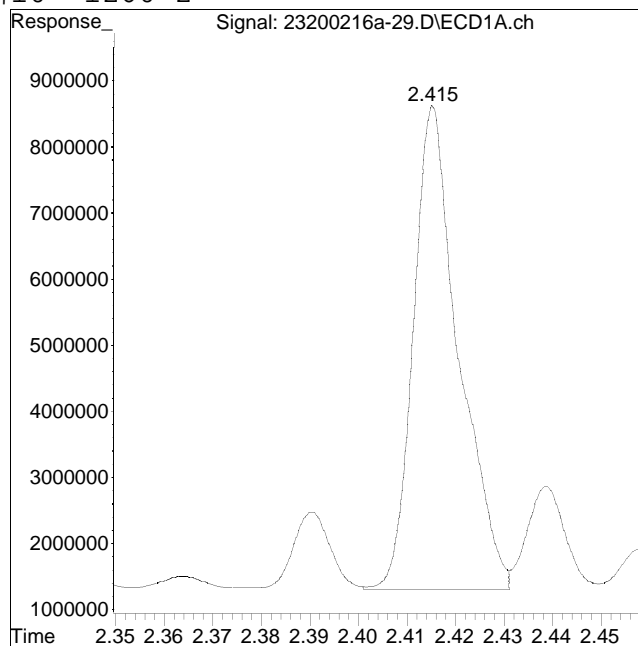
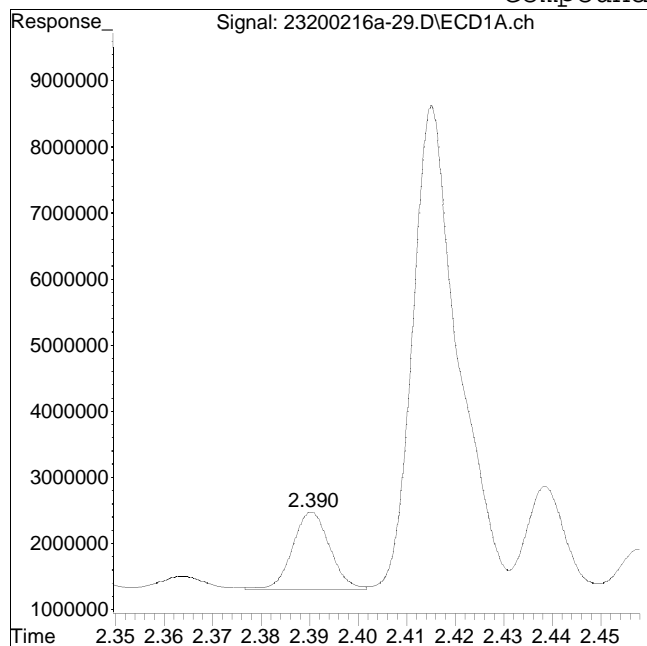
Manual Peak Response = 28640093 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-29.D Operator : pest23:cw
Date Inj'd : 2/16/2020 4:03 pm Instrument : Pest 23
Sample : 12006460-01d,42e,100, Quant Date : 2/18/2020 1:57 pm

Compound #10: 1260-2



Original Peak Response = 6356998

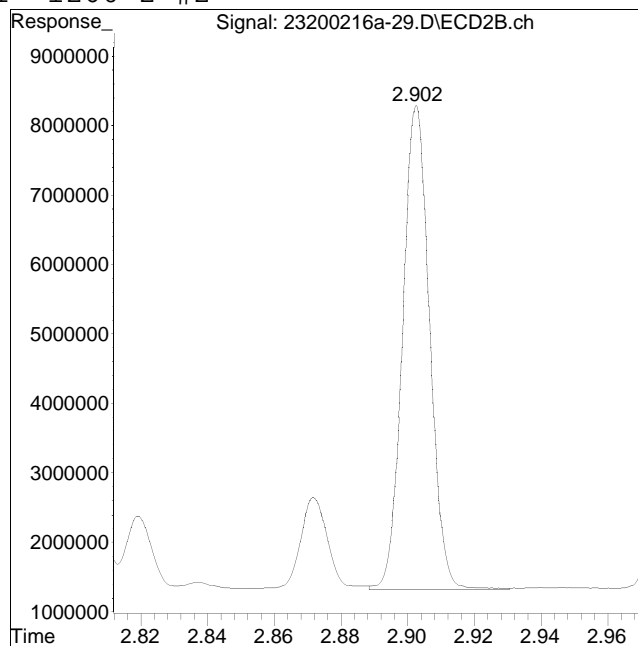
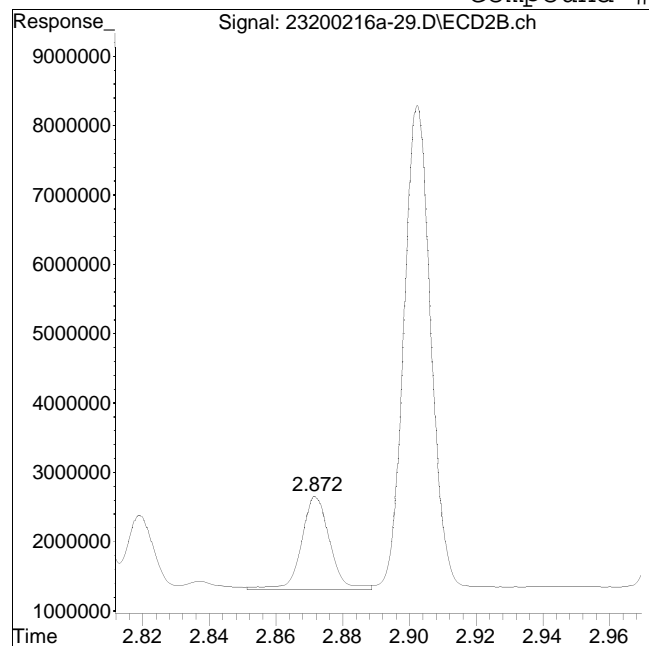
Manual Peak Response = 47569514 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-29.D Operator : pest23:cw
Date Inj'd : 2/16/2020 4:03 pm Instrument : Pest 23
Sample : 12006460-01d,42e,100, Quant Date : 2/18/2020 1:57 pm

Compound #61: 1260-2 #2



Original Peak Response = 7945914

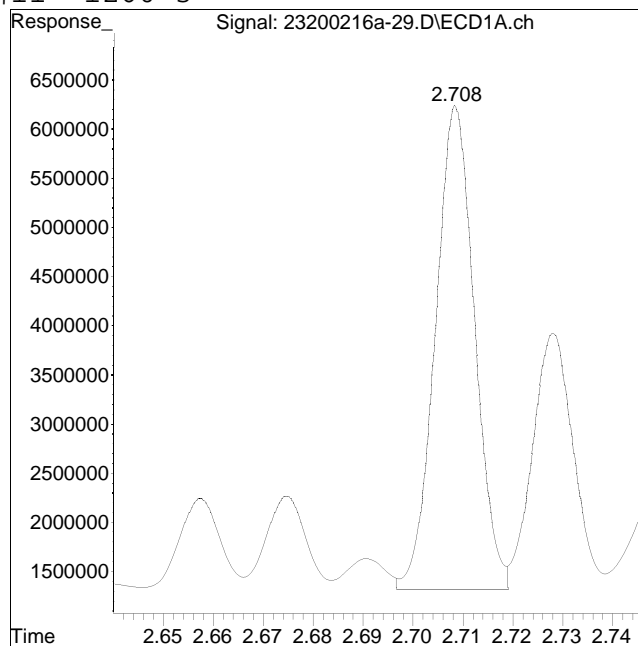
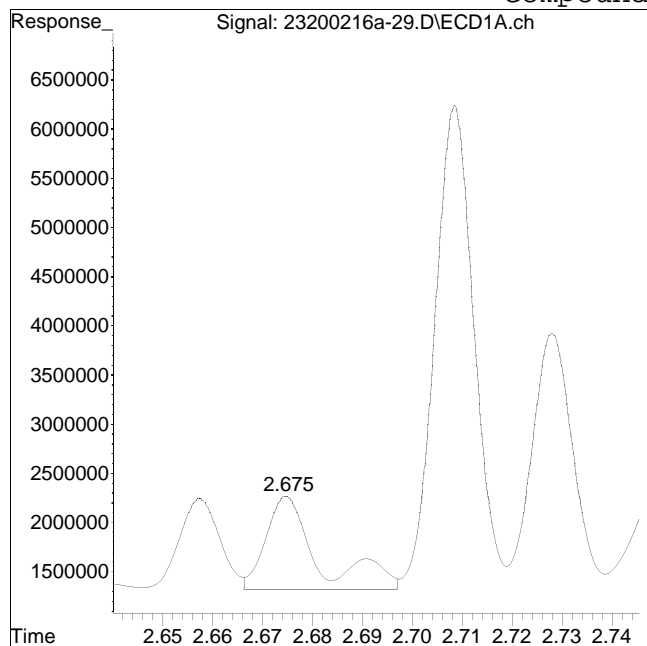
Manual Peak Response = 39134001 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-29.D Operator : pest23:cw
Date Inj'd : 2/16/2020 4:03 pm Instrument : Pest 23
Sample : 12006460-01d,42e,100, Quant Date : 2/18/2020 1:57 pm

Compound #11: 1260-3



Original Peak Response = 6893893

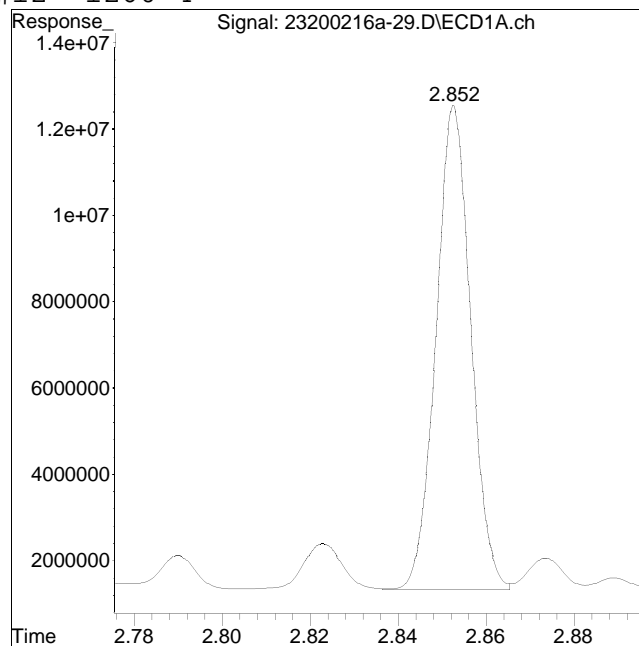
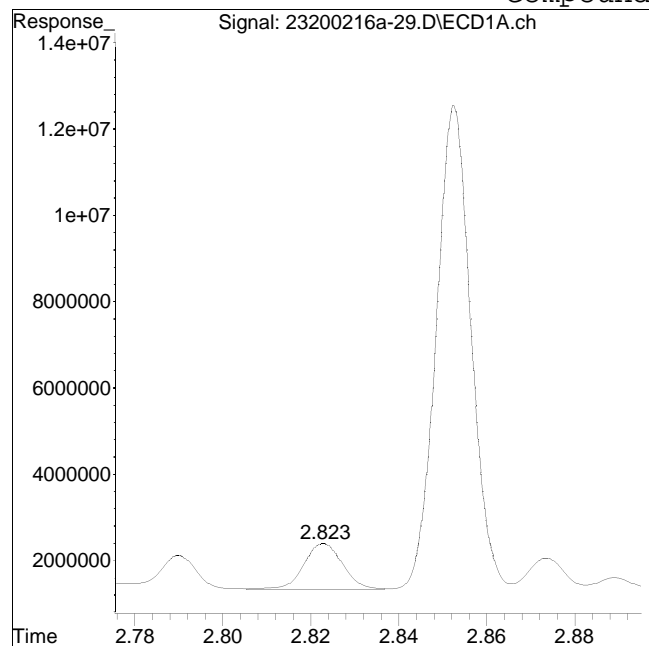
Manual Peak Response = 26907770 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-29.D Operator : pest23:cw
Date Inj'd : 2/16/2020 4:03 pm Instrument : Pest 23
Sample : 12006460-01d,42e,100, Quant Date : 2/18/2020 1:57 pm

Compound #12: 1260-4



Original Peak Response = 6724007

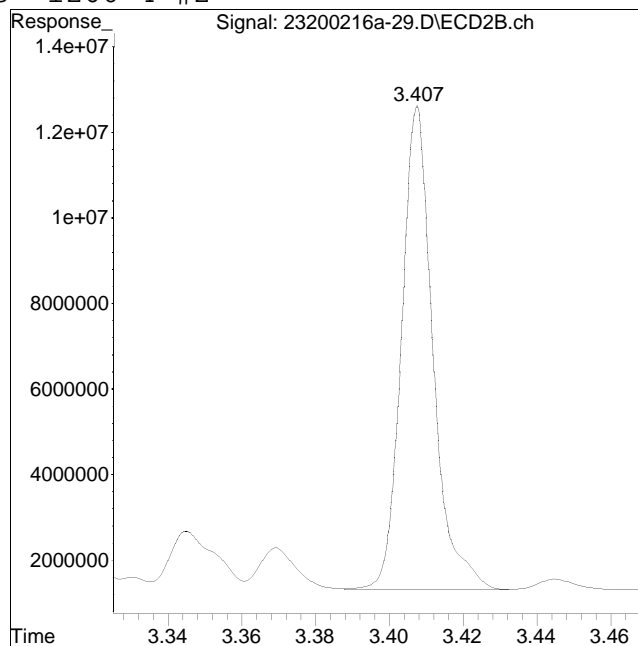
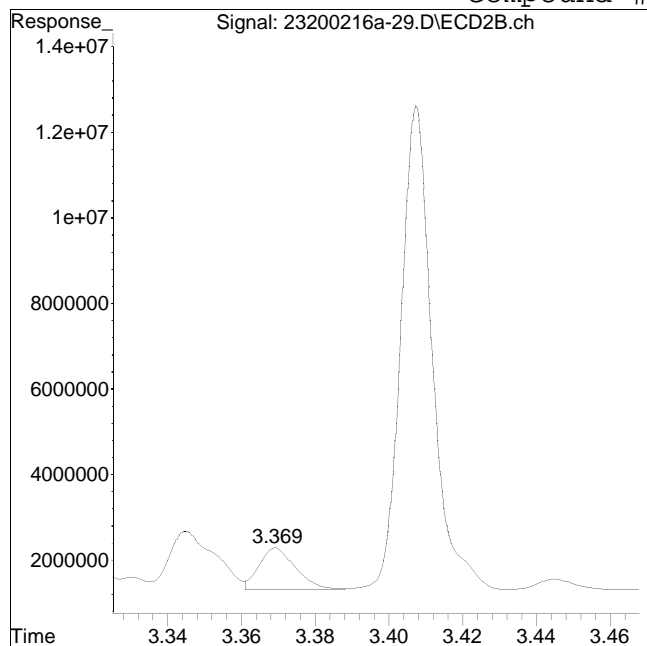
Manual Peak Response = 61526154 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-29.D Operator : pest23:cw
Date Inj'd : 2/16/2020 4:03 pm Instrument : Pest 23
Sample : 12006460-01d,42e,100, Quant Date : 2/18/2020 1:57 pm

Compound #63: 1260-4 #2



Original Peak Response = 6909867

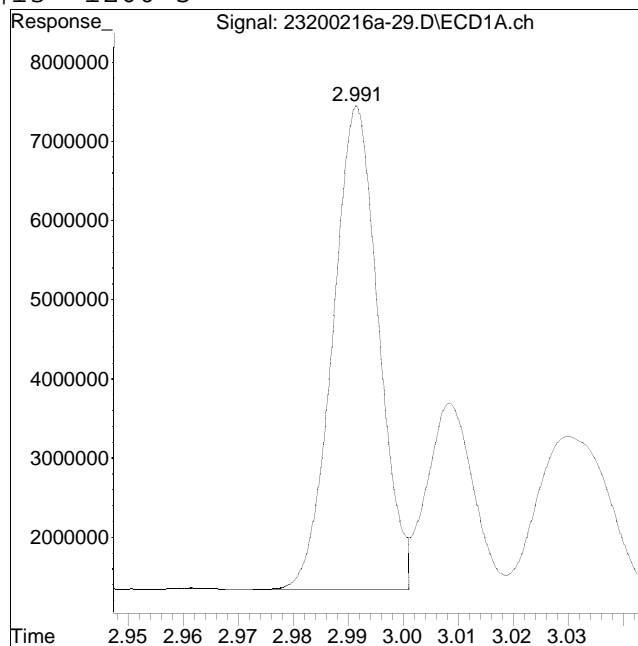
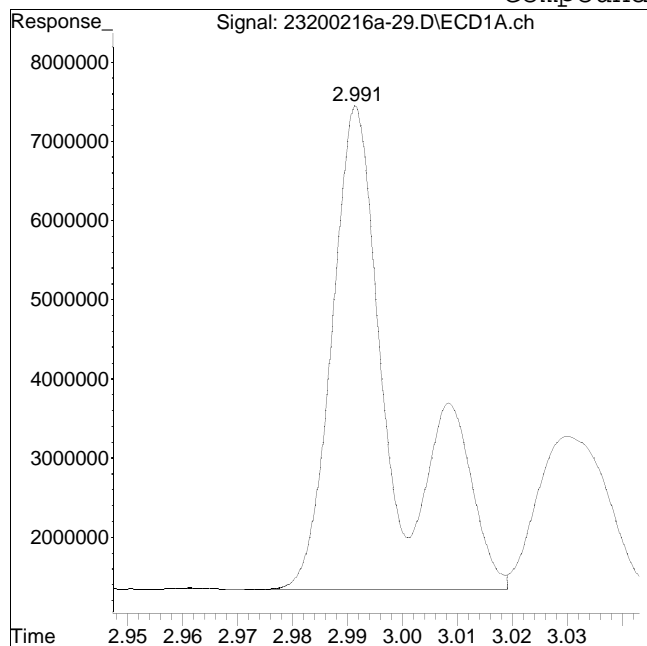
Manual Peak Response = 67086004 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-29.D Operator : pest23:cw
Date Inj'd : 2/16/2020 4:03 pm Instrument : Pest 23
Sample : 12006460-01d,42e,100, Quant Date : 2/18/2020 1:57 pm

Compound #13: 1260-5



Original Peak Response = 48940608

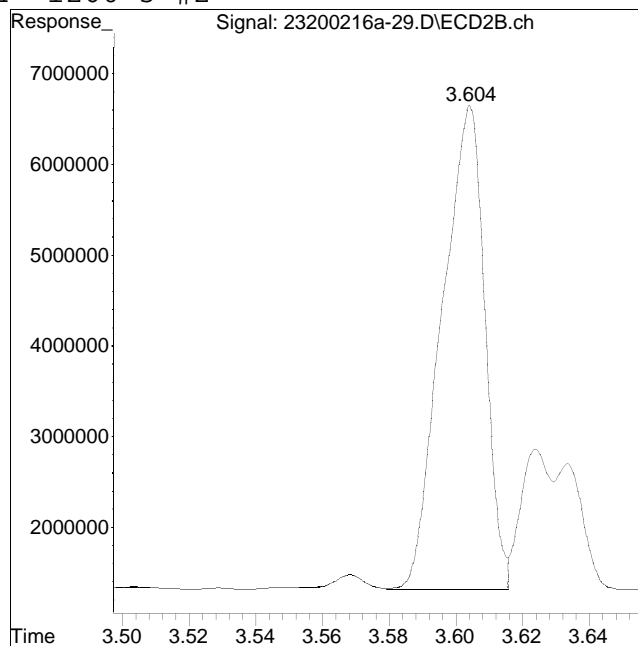
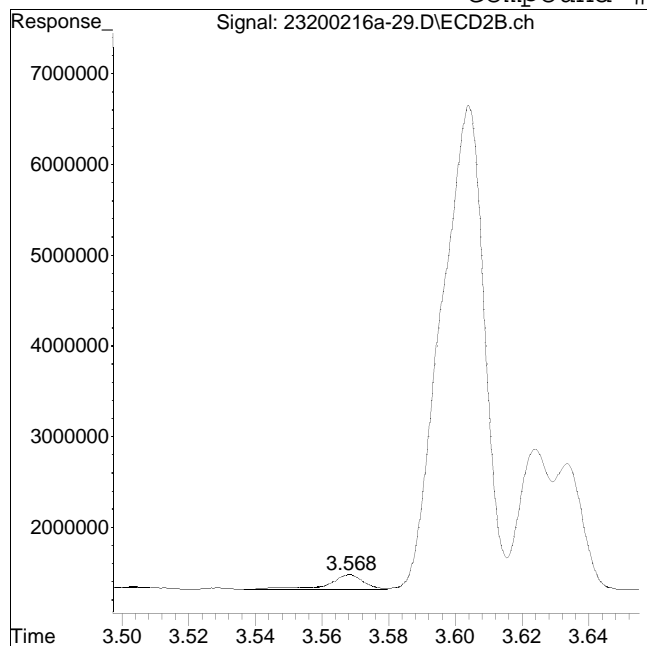
Manual Peak Response = 35119309 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-29.D Operator : pest23:cw
Date Inj'd : 2/16/2020 4:03 pm Instrument : Pest 23
Sample : 12006460-01d,42e,100, Quant Date : 2/18/2020 1:57 pm

Compound #64: 1260-5 #2



Original Peak Response = 1299059

Manual Peak Response = 47565559 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 04:17 pm
 Operator : pest23:cw
 Sample : l2006460-02d,42e,5,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 14:07:01 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.072	24145215	25095416	250.000	250.000
Standard Area 1 : #1 = 25317335					Recovery =	95.37%
Standard Area 1 : #2 = 25417458					Recovery =	98.73%
14) i 2154_1br2nb	0.924	1.072	24145215	25095416	250.000	250.000
23) i 4268_1br2nb	0.924	1.072	24145215	25095416	250.000	250.000
34) i 1248_1br2nb	0.924	1.072	24145215	25095416	250.000	250.000
40) i 3262_1br2nb	0.924	1.072	24145215	25095416	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.417	6316591	6038392	42.797	43.535
Spiked Amount 500.000	Range 30 - 150				Recovery =	8.56%#
3) s Decachlorobi	3.528	4.224	5724159	5625369	46.881	44.940
Spiked Amount 500.000	Range 30 - 150				Recovery =	9.38%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.785	26772029	29936966	3664.614	3888.475
10) l2 1260-2	2.389	2.885	51307735	43189749	4599.999	4753.014
11) l2 1260-3	2.682	3.262	30091658	36679057	4356.596	4748.430
12) l2 1260-4	2.826	3.391	74105222	78078257	5015.849	4913.086
13) l2 1260-5	2.965	3.587	42221976	55916896	5361.046	4966.480
Sum 1260-1			224.5E6	243.8E6	22998.104	23269.485
Average 1260-1					4599.621	4653.897

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 04:17 pm
 Operator : pest23:cw
 Sample : l2006460-02d,42e,5,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 14:07:01 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 04:17 pm
 Operator : pest23:cw
 Sample : l2006460-02d,42e,5,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 14:07:01 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 04:17 pm
 Operator : pest23:cw
 Sample : l2006460-02d,42e,5,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 14:07:01 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

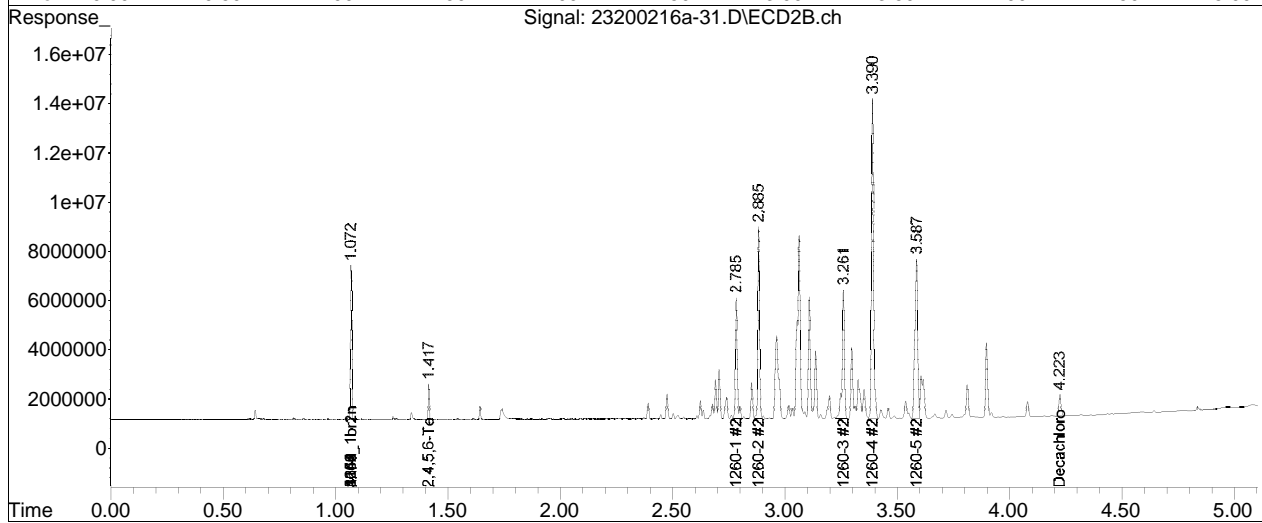
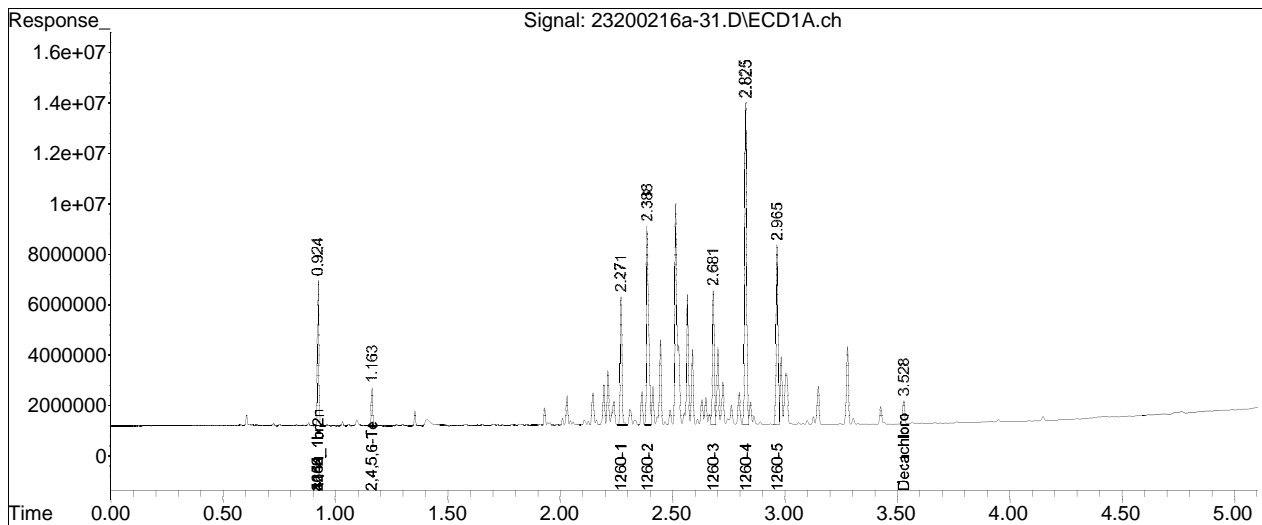
Sub List : Default - All compounds listed16a\23200216a-23.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-31.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 04:17 pm
Operator : pest23:cw
Sample : l2006460-02d,42e,5,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 14:07:01 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-31.D Operator : pest23:cw
Date Inj'd : 2/16/2020 4:17 pm Instrument : Pest 23
Sample : 12006460-02d,42e,5, Quant Date : 2/18/2020 1:57 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 04:24 pm
 Operator : pest23:cw
 Sample : l2006460-15d,42e,20,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 14:08:34 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.072	26637951	27839370	250.000M4	250.000M4
Standard Area 1 : #1 = 25317335			Recovery = 105.22%			
Standard Area 1 : #2 = 25417458			Recovery = 109.53%			
14) i 2154_1br2nb	0.924	1.072	26637951	27839370	250.000M4	250.000M4
23) i 4268_1br2nb	0.924	1.072	26637951	27839370	250.000M4	250.000M4
34) i 1248_1br2nb	0.924	1.072	26637951	27839370	250.000M4	250.000M4
40) i 3262_1br2nb	0.924	1.072	26637951	27839370	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000		Range 30 - 150	Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000		Range 30 - 150	Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1				0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.785	19073291	20259891	2366.480	2372.158
10) l2 1260-2	2.388	2.884	35053058	30973137	2848.597	3072.618

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 04:24 pm
 Operator : pest23:cw
 Sample : l2006460-15d,42e,20,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 14:08:34 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11)	12 1260-3	2.680	3.262	20426187	27050767	2680.518	3156.796
12)	12 1260-4	2.825	3.390	51443963	53812478	3156.170	3052.406
13)	12 1260-5	2.964	3.587	29818000	39193997	3431.782	3138.052
	Sum 1260-1			155.8E6	171.3E6	14483.547	14792.030
	Average 1260-1					2896.709	2958.406
15)	13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 04:24 pm
 Operator : pest23:cw
 Sample : l2006460-15d,42e,20,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 14:08:34 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D.
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 04:24 pm
 Operator : pest23:cw
 Sample : 12006460-15d,42e,20,
 Misc : wgl1341233,wgl1340879,ical16474
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 14:08:34 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

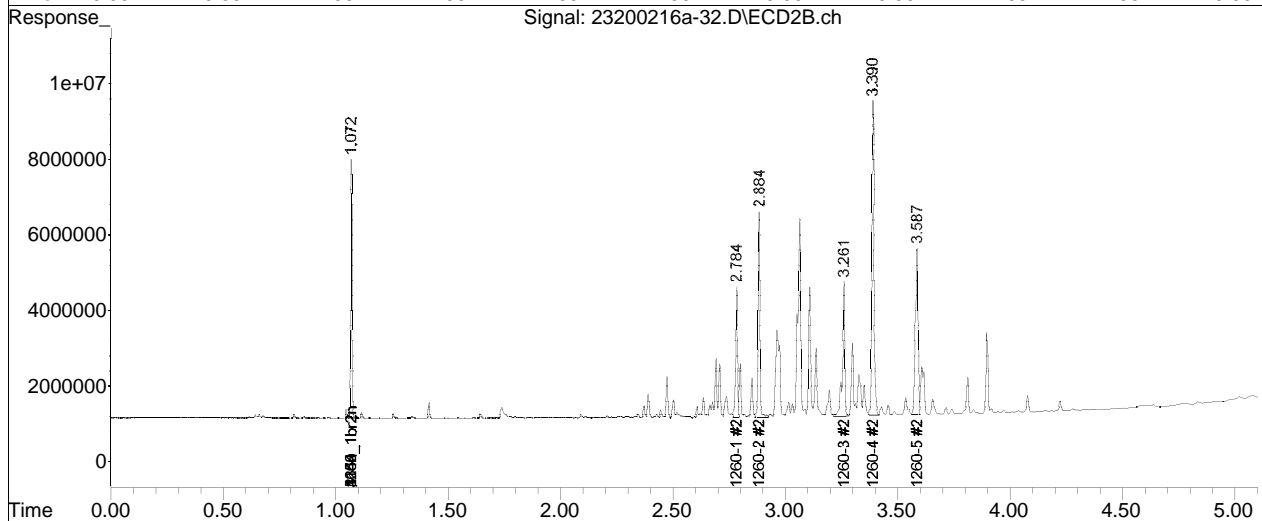
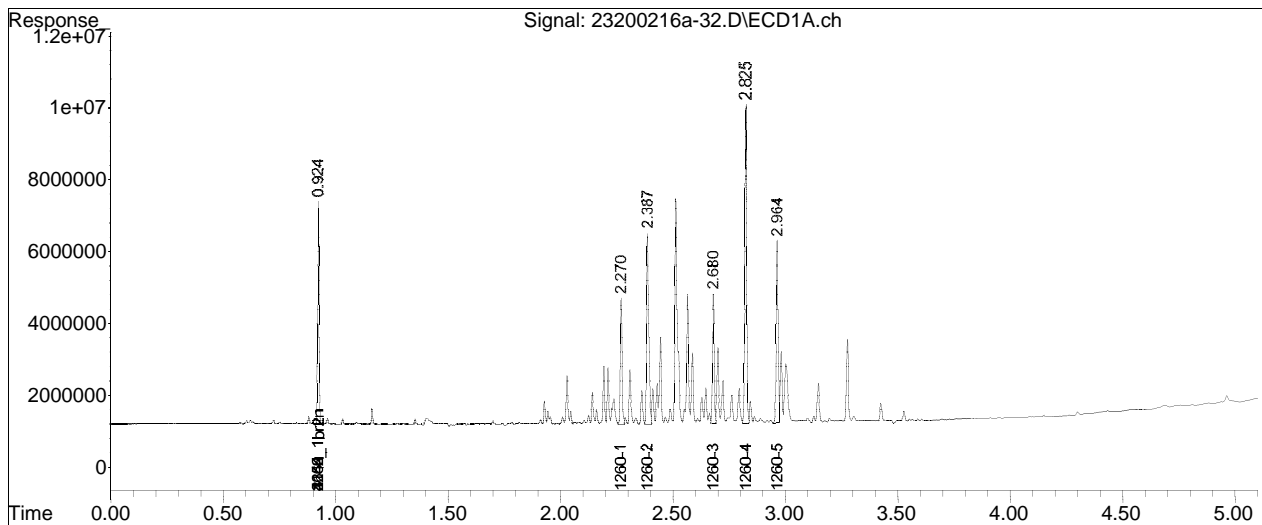
Sub List : Default - All compounds listed16a\23200216a-23.D••

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-32.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 04:24 pm
Operator : pest23:cw
Sample : l2006460-15d,42e,20,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 14:08:34 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

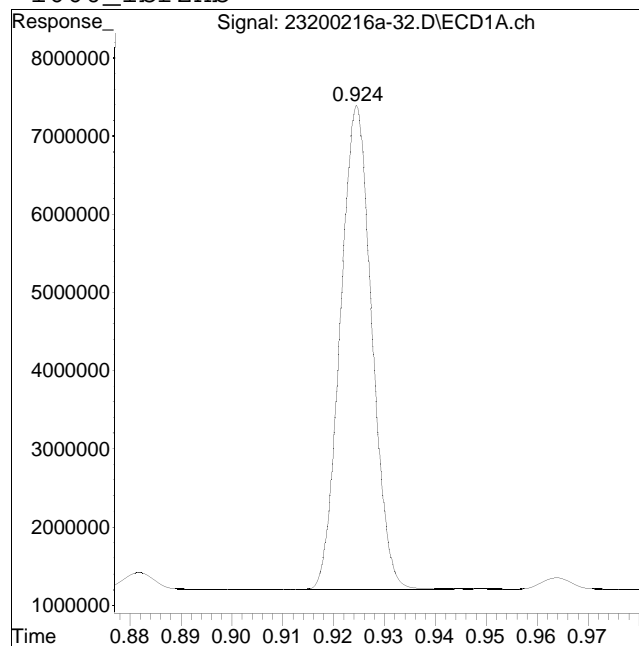
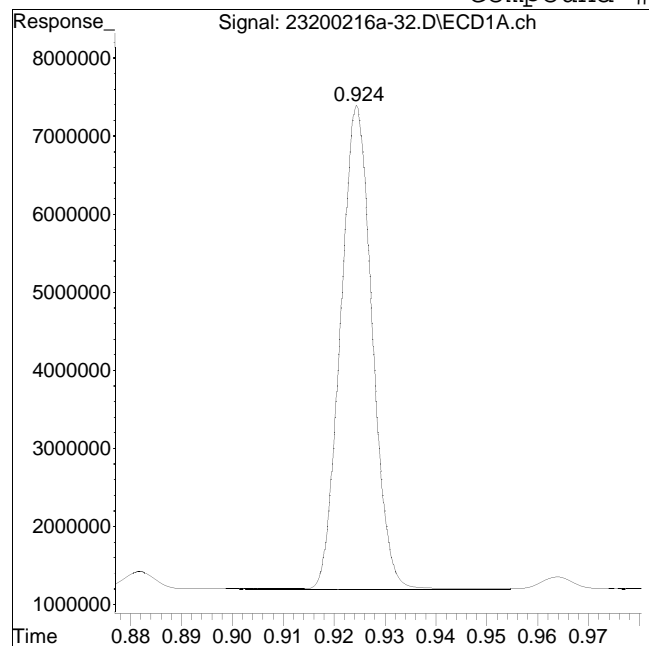
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-32.D Operator : pest23:cw
Date Inj'd : 2/16/2020 4:24 pm Instrument : Pest 23
Sample : 12006460-15d,42e,20, Quant Date : 2/18/2020 1:57 pm

Compound #1: 1660_1br2nb



Original Peak Response = 26977720

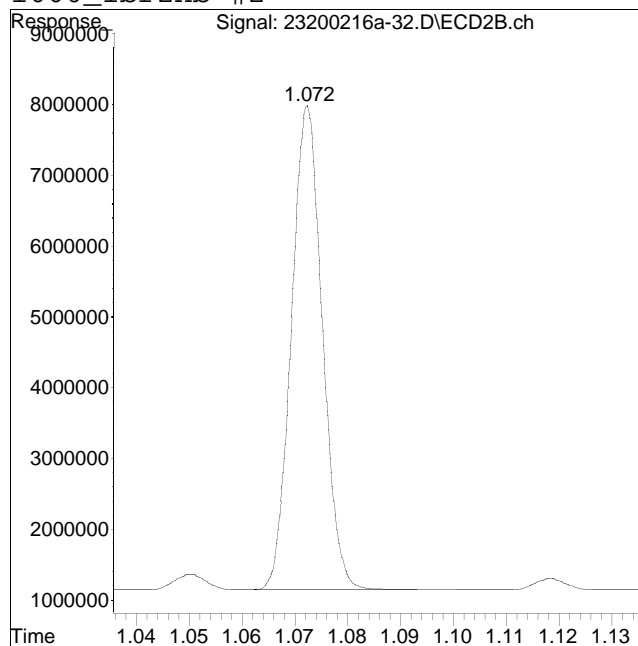
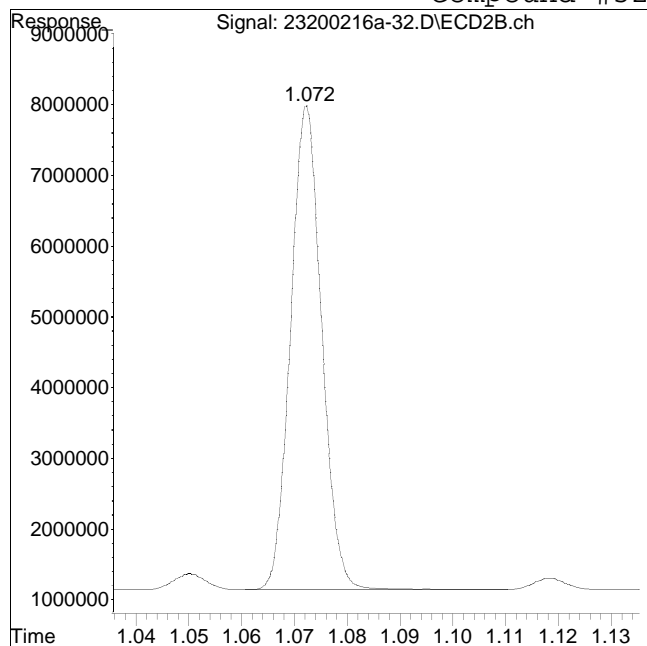
Manual Peak Response = 26637951 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-32.D Operator : pest23:cw
Date Inj'd : 2/16/2020 4:24 pm Instrument : Pest 23
Sample : 12006460-15d,42e,20, Quant Date : 2/18/2020 1:57 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 28104710

Manual Peak Response = 27839370 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200217b\
 Data File : 23200217b-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Feb 2020 11:28 pm
 Operator : pest23:ht
 Sample : L2006460-28,42e,,
 Misc : wgl1341567,wgl1341043,ical16474
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 02:41:30 2020
 Quant Method : I:\Pest23\data\2020\23200217b\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200217b\23200217b-25.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.926	1.074	30101938	30223190	250.000	250.000
Standard Area 1 : #1 = 22813315					Recovery =	131.95%
Standard Area 1 : #2 = 24364923					Recovery =	124.04%
14) i 2154_1br2nb	0.926	1.074	30101938	30223190	250.000	250.000
23) i 4268_1br2nb	0.926	1.074	30101938	30223190	250.000	250.000
34) i 1248_1br2nb	0.926	1.074	30101938	30223190	250.000	250.000
40) i 3262_1br2nb	0.926	1.074	30101938	30223190	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.165	1.418	44358654	47978863	241.069	287.227
Spiked Amount 500.000	Range 30 - 150				Recovery =	48.21%
3) s Decachlorobi	3.526	4.222	44708588	37755769	356.236	250.447M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	71.25%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.784	29178520	30438540	3203.663	3282.838M4
10) l2 1260-2	2.388	2.884	49447738	47076093	3555.969	4301.728
11) l2 1260-3	2.680	3.261	24558967	36120464	2851.990	3882.749M4
12) l2 1260-4	2.825	3.390	81396405	89613527	4419.137	4682.221M4
13) l2 1260-5	2.963	3.587	40282065	60537963	4102.601M4	4464.651M4
Sum 1260-1			224.9E6	263.8E6	18133.359	20614.187

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200217b\
 Data File : 23200217b-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Feb 2020 11:28 pm
 Operator : pest23:ht
 Sample : L2006460-28,42e,,
 Misc : wgl1341567,wgl1341043,ical16474
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 02:41:30 2020
 Quant Method : I:\Pest23\data\2020\23200217b\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200217b\23200217b-25.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					3626.672	4122.837
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200217b\
 Data File : 23200217b-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Feb 2020 11:28 pm
 Operator : pest23:ht
 Sample : L2006460-28,42e,,
 Misc : wgl1341567,wgl1341043,ical16474
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 02:41:30 2020
 Quant Method : I:\Pest23\data\2020\23200217b\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200217b\23200217b-25.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200217b\
 Data File : 23200217b-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Feb 2020 11:28 pm
 Operator : pest23:ht
 Sample : L2006460-28,42e,,
 Misc : wgl1341567,wgl1341043,ical16474
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 02:41:30 2020
 Quant Method : I:\Pest23\data\2020\23200217b\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200217b\23200217b-25.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

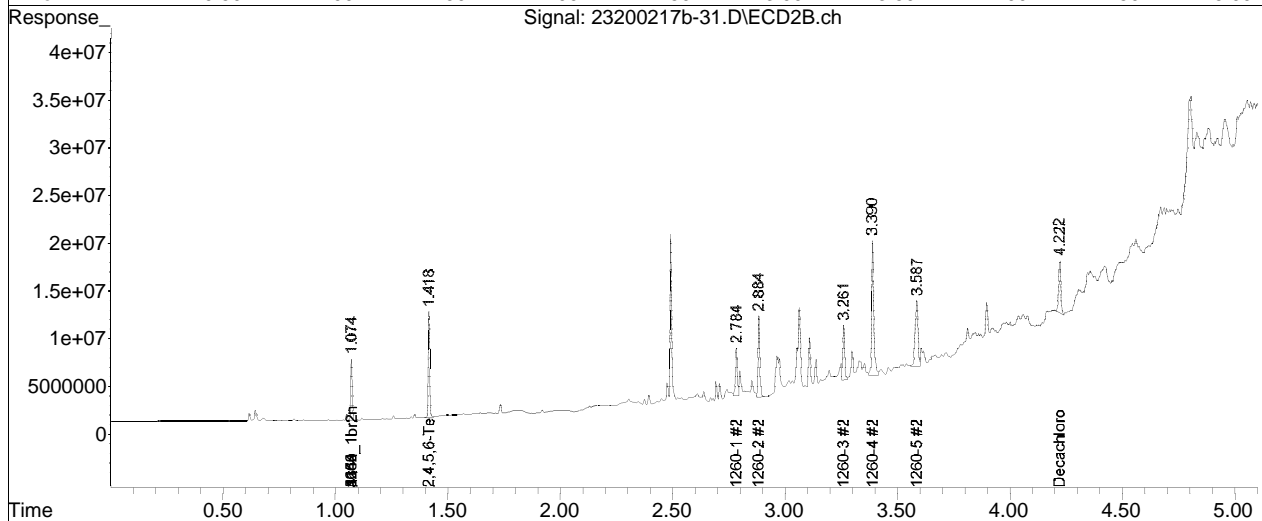
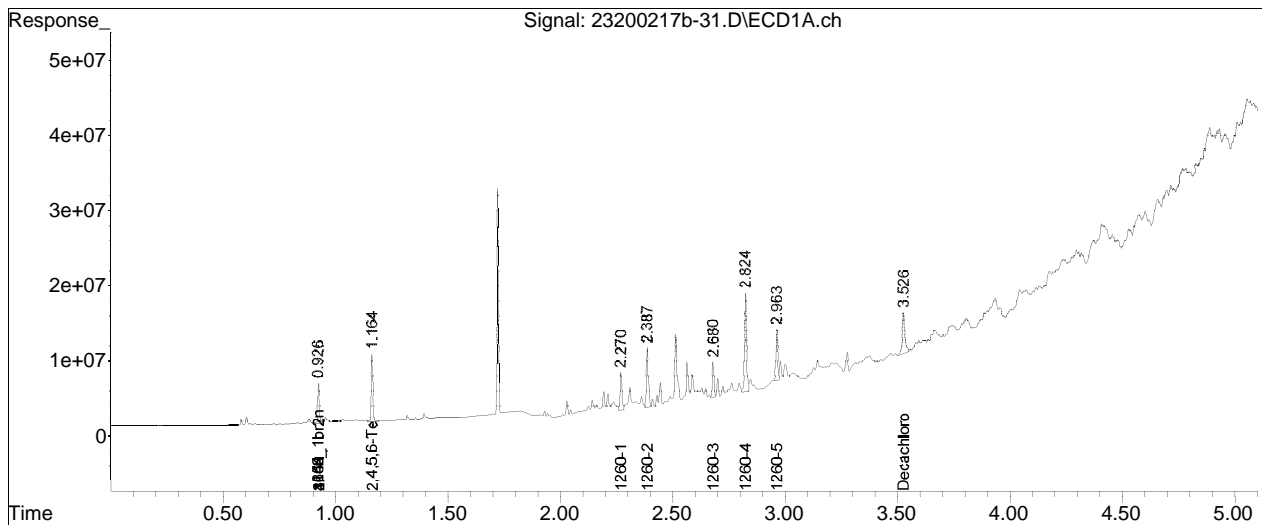
Sub List : Default - All compounds listed17b\23200217b-25.D••

Data Path : I:\Pest23\data\2020\23200217b\
Data File : 23200217b-31.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Feb 2020 11:28 pm
Operator : pest23:ht
Sample : L2006460-28,42e,,
Misc : wg1341567,wg1341043,ical16474
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 02:41:30 2020
Quant Method : I:\Pest23\data\2020\23200217b\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

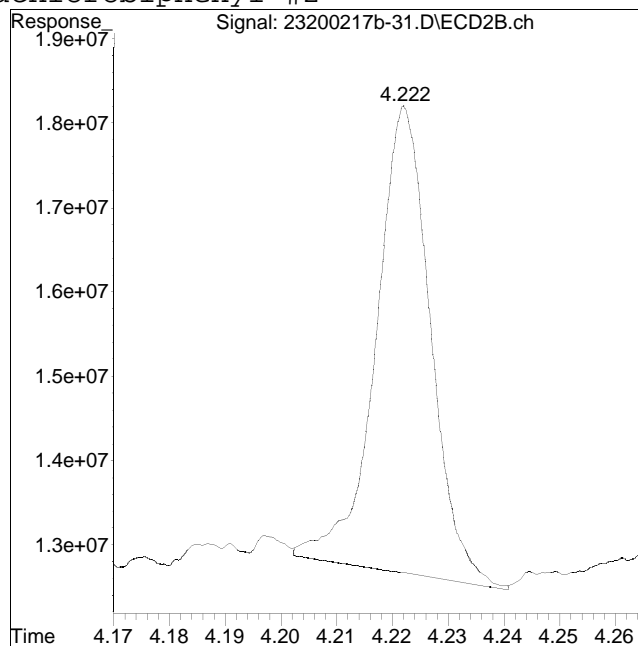
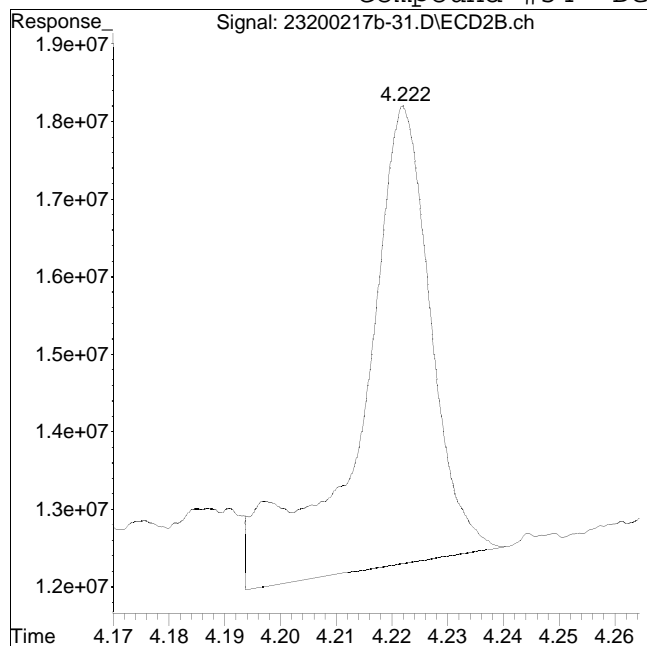
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200217b-31.D Operator : pest23:ht
Date Inj'd : 2/17/2020 11:28 pm Instrument : Pest 23
Sample : L2006460-28,42e,, Quant Date : 2/18/2020 8:04 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 51819742

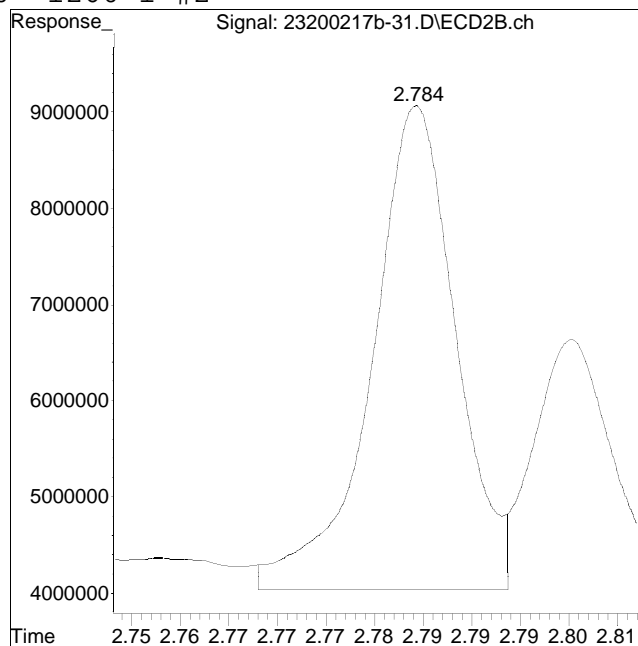
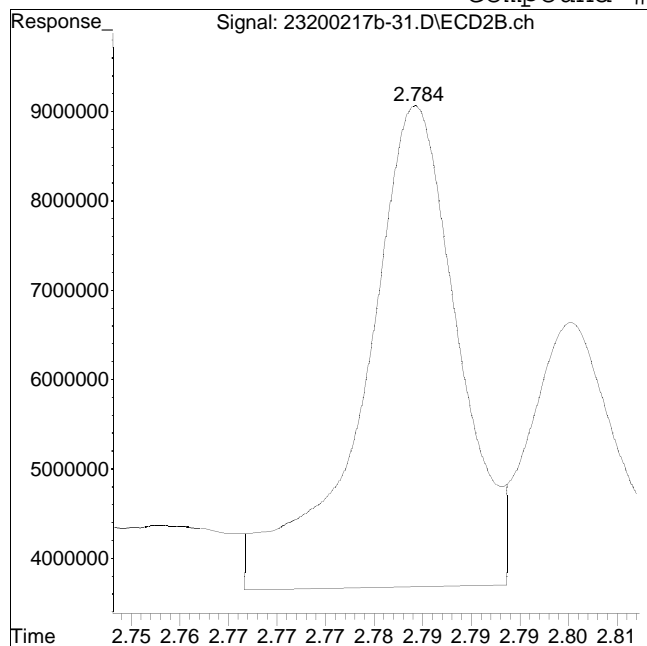
Manual Peak Response = 37755769 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200217b-31.D Operator : pest23:ht
Date Inj'd : 2/17/2020 11:28 pm Instrument : Pest 23
Sample : L2006460-28,42e,, Quant Date : 2/18/2020 8:04 am

Compound #60: 1260-1 #2



Original Peak Response = 36276949

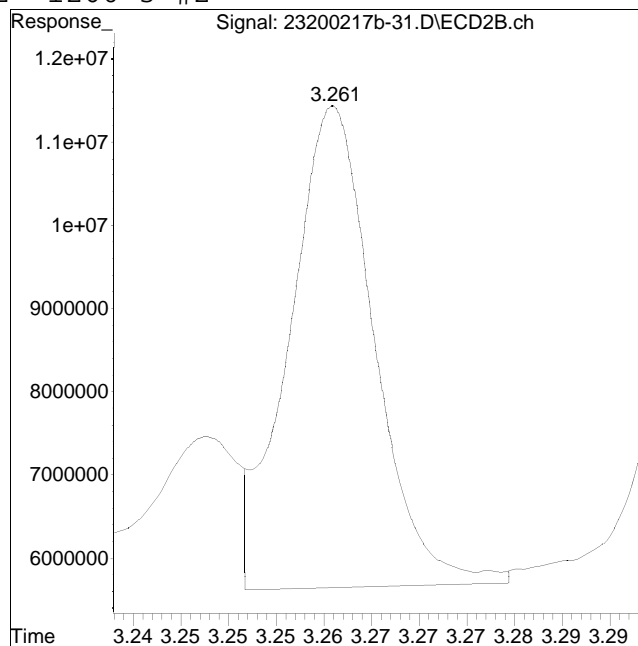
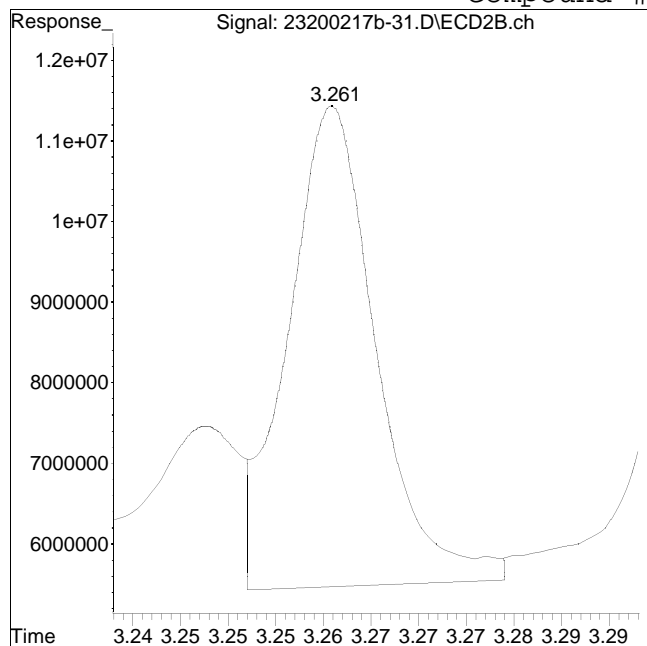
Manual Peak Response = 30438540 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200217b-31.D Operator : pest23:ht
Date Inj'd : 2/17/2020 11:28 pm Instrument : Pest 23
Sample : L2006460-28,42e,, Quant Date : 2/18/2020 8:04 am

Compound #62: 1260-3 #2



Original Peak Response = 38838192

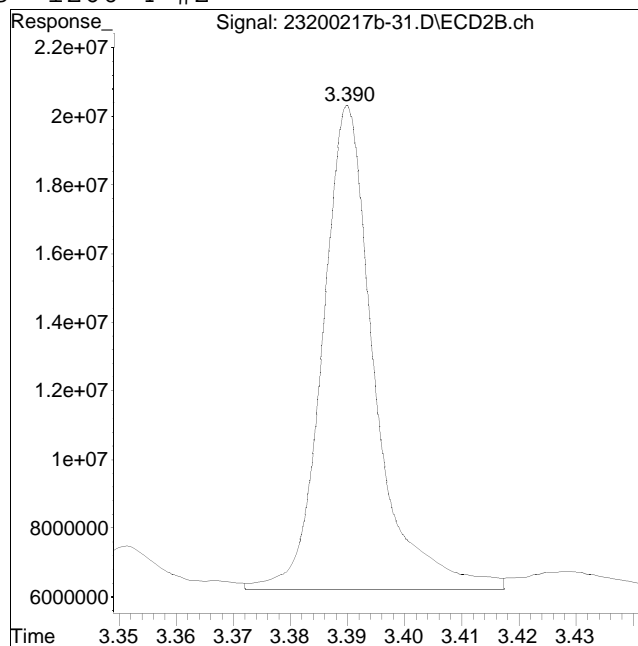
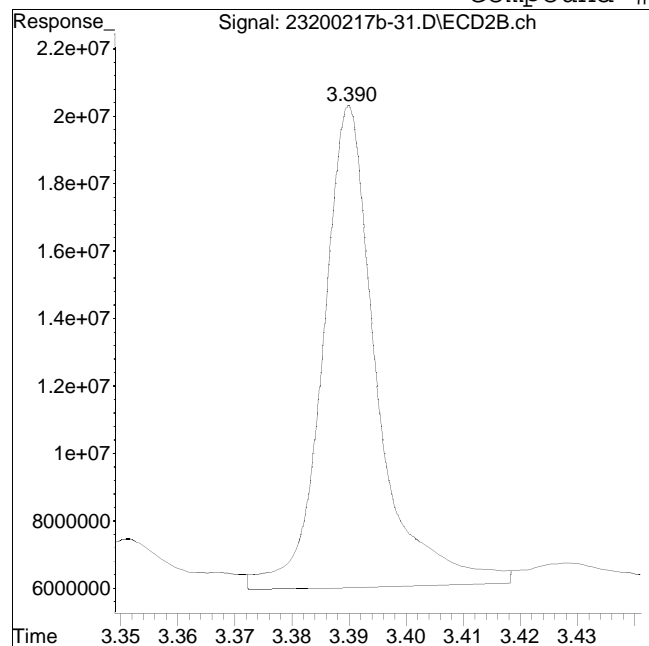
Manual Peak Response = 36120464 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200217b-31.D Operator : pest23:ht
Date Inj'd : 2/17/2020 11:28 pm Instrument : Pest 23
Sample : L2006460-28,42e,, Quant Date : 2/18/2020 8:04 am

Compound #63: 1260-4 #2



Original Peak Response = 93796618

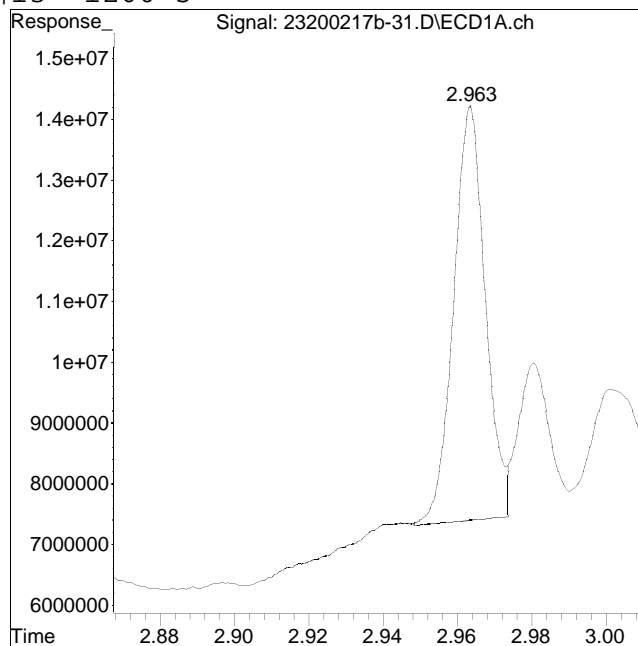
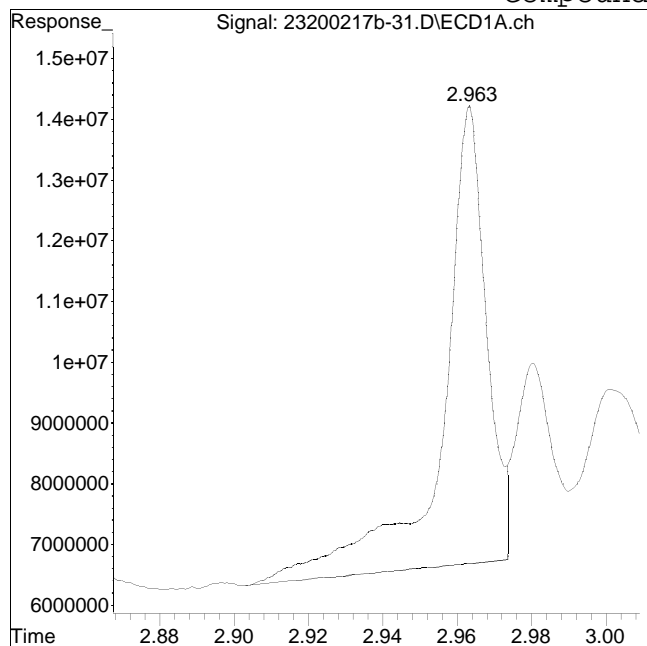
Manual Peak Response = 89613527 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200217b-31.D Operator : pest23:ht
Date Inj'd : 2/17/2020 11:28 pm Instrument : Pest 23
Sample : L2006460-28,42e,, Quant Date : 2/18/2020 8:04 am

Compound #13: 1260-5



Original Peak Response = 62174271

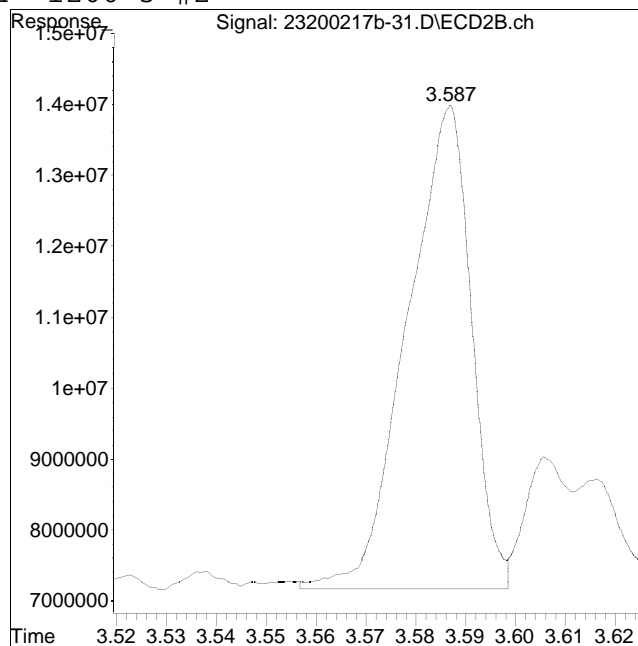
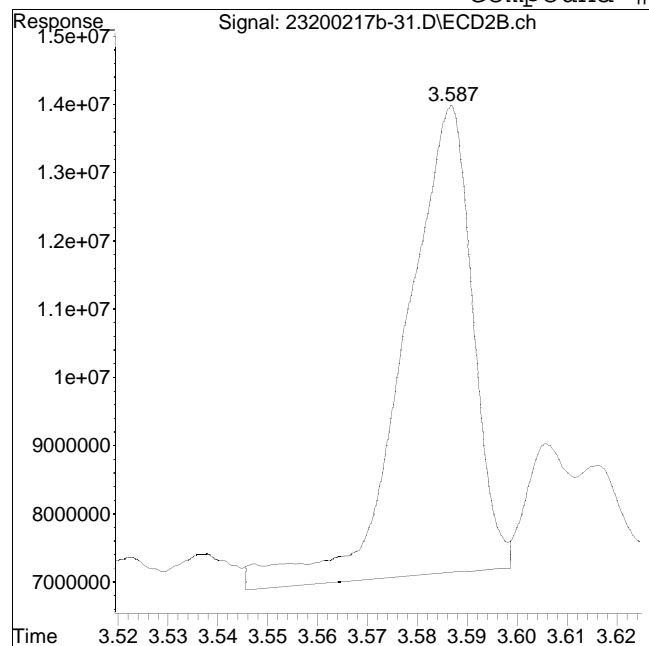
Manual Peak Response = 40282065 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200217b-31.D Operator : pest23:ht
Date Inj'd : 2/17/2020 11:28 pm Instrument : Pest 23
Sample : L2006460-28,42e,, Quant Date : 2/18/2020 8:04 am

Compound #64: 1260-5 #2



Original Peak Response = 65045791

Manual Peak Response = 60537963 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-53.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:43 pm
 Operator : pest23:cw
 Sample : l2006460-03,42e,,re
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:28:48 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	0.924	1.018	24502692	28398324	250.000M4	250.000M4
	Standard Area 1 : #1 = 22244458				Recovery = 110.15%		
	Standard Area 1 : #2 = 25501975				Recovery = 111.36%		
14) i	2154_1br2nb	0.924	1.018	24502692	28398324	250.000M4	250.000M4
23) i	4268_1br2nb	0.924	1.018	24502692	28398324	250.000M4	250.000M4
34) i	1248_1br2nb	0.924	1.018	24502692	28398324	250.000M4	250.000M4
40) i	3262_1br2nb	0.924	1.018	24502692	28398324	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.163	1.358	38709433	43461852	258.441	276.905
	Spiked Amount 500.000 Range 30 - 150			Recovery = 51.69%		55.38%	
3) s	Decachlorobi	3.526	4.153	32784576	34790414	319.743M4	245.606M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 63.95%		49.12%	
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	2.270	2.716	13344382	15238288	1799.959M4	1749.079M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-53.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:43 pm
 Operator : pest23:cw
 Sample : 12006460-03,42e,,re
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:28:48 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12	1260-2	2.387	2.816	22110248	19656340	1953.376M4	1911.581M4
11) 12	1260-3	2.680	3.191	12088277	15545536	1724.578	1778.440
12) 12	1260-4	2.824	3.321	26462352	30455500	1764.986	1693.525
13) 12	1260-5	2.963	3.517	14769116	21499961	1847.918	1687.505
	Sum 1260-1			88774373	102.4E6	9090.817	8820.130
	Average 1260-1					1818.163	1764.026
15) 13	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-53.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:43 pm
 Operator : pest23:cw
 Sample : 12006460-03,42e,,re
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:28:48 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-53.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:43 pm
 Operator : pest23:cw
 Sample : 12006460-03,42e,,re
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:28:48 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

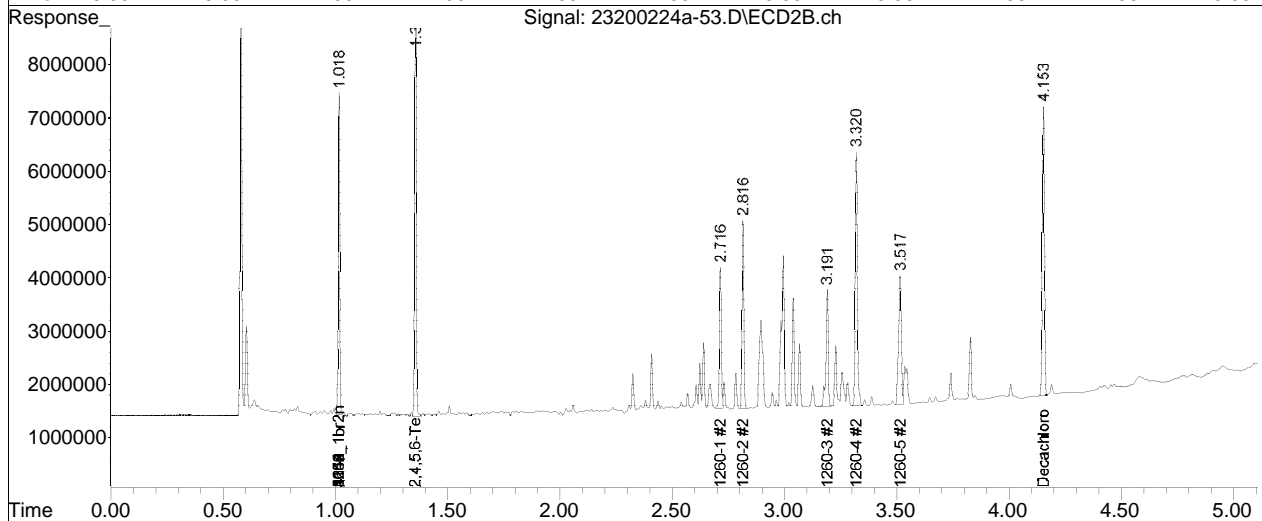
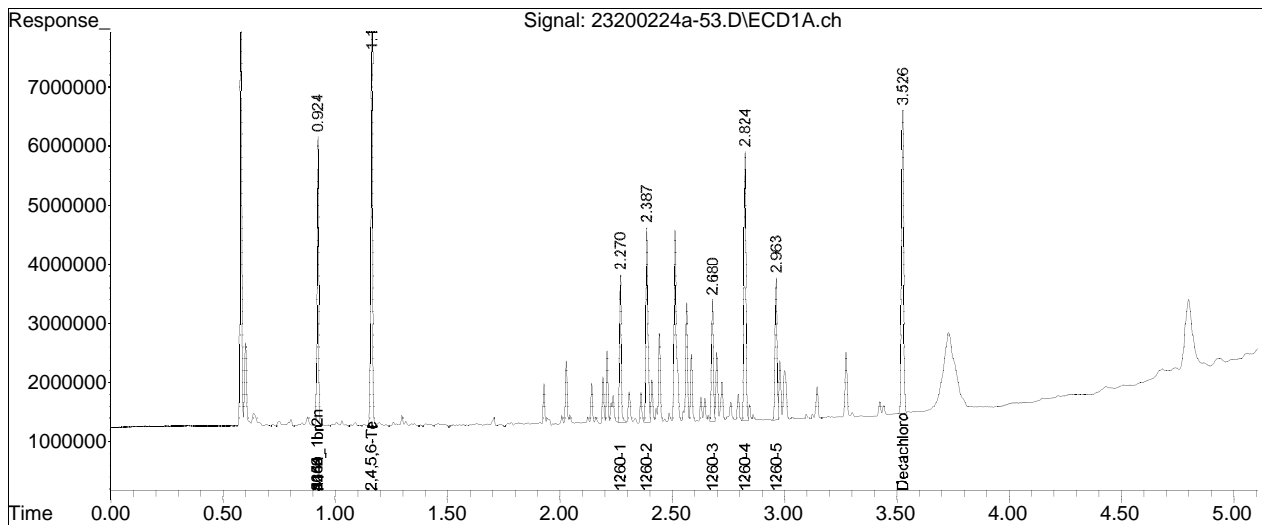
Sub List : Default - All compounds listed24a\23200224a-44.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-53.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 10:43 pm
Operator : pest23:cw
Sample : 12006460-03,42e,,re
Misc : wg1343753,wg1343647,ical16474
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 13:28:48 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

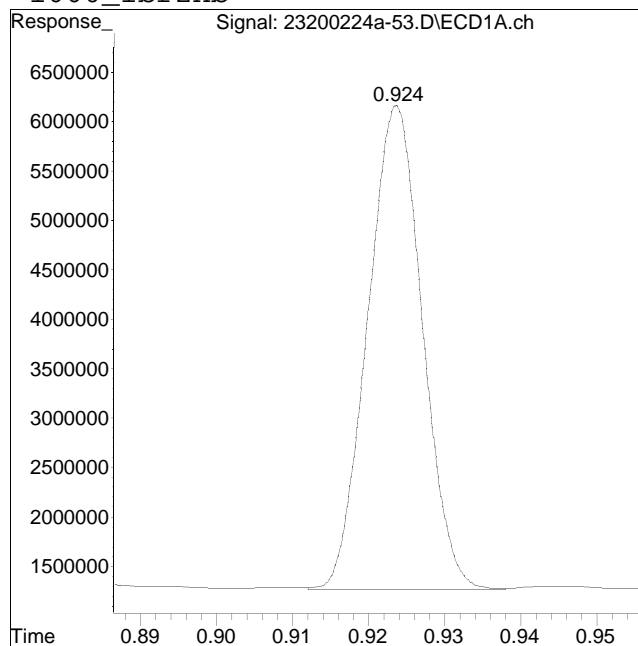
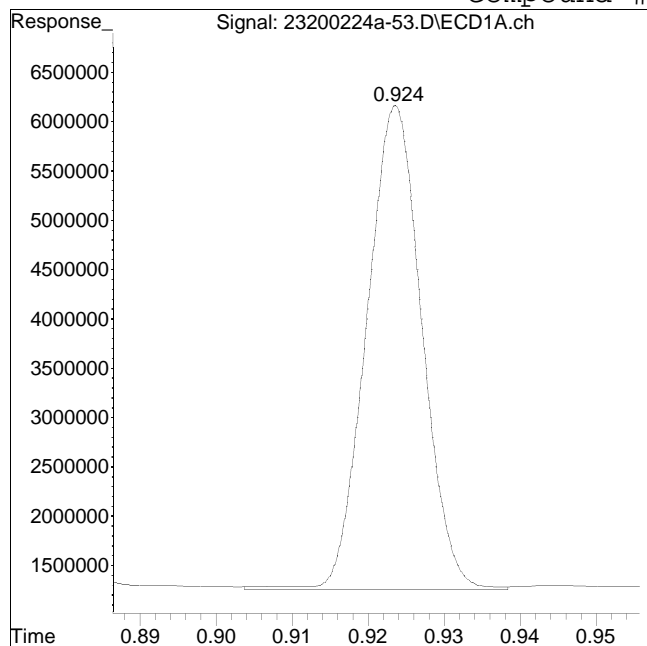
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-53.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:43 pm Instrument : Pest 23
Sample : 12006460-03,42e,,re Quant Date : 2/26/2020 1:26 pm

Compound #1: 1660_1br2nb



Original Peak Response = 24855666

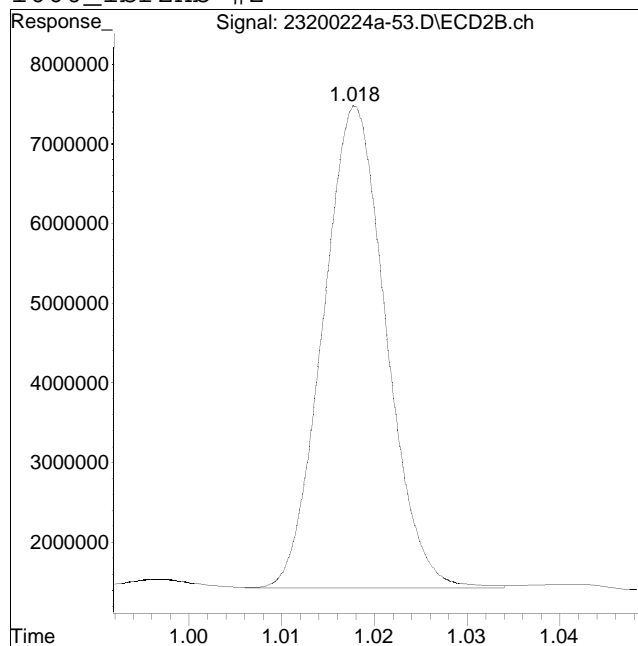
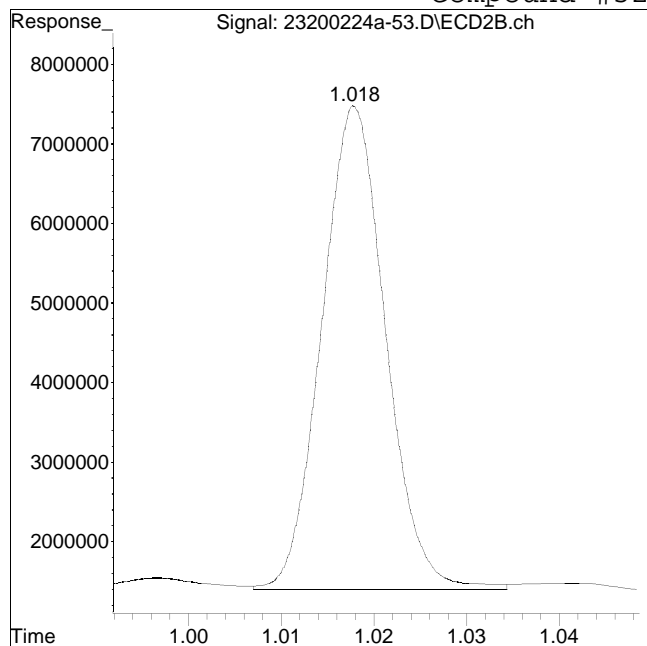
Manual Peak Response = 24502692 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-53.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:43 pm Instrument : Pest 23
Sample : 12006460-03,42e,,re Quant Date : 2/26/2020 1:26 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 29104287

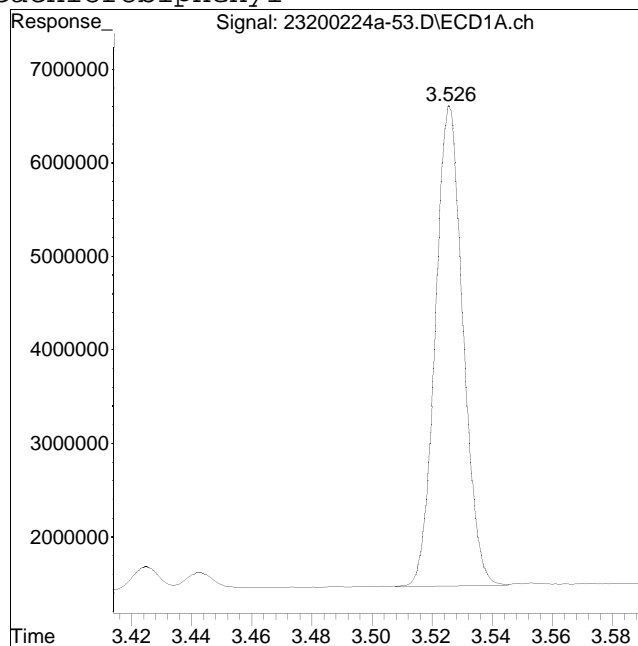
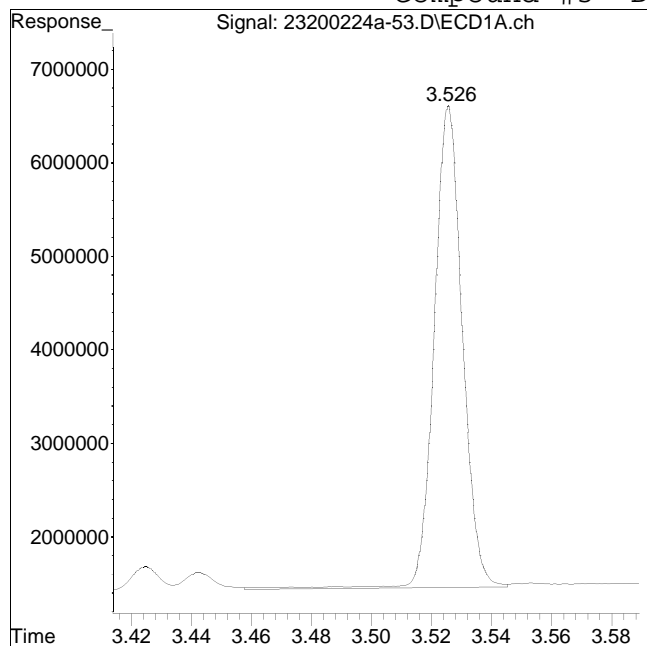
Manual Peak Response = 28398324 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-53.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:43 pm Instrument : Pest 23
Sample : 12006460-03,42e,,re Quant Date : 2/26/2020 1:26 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 33615761

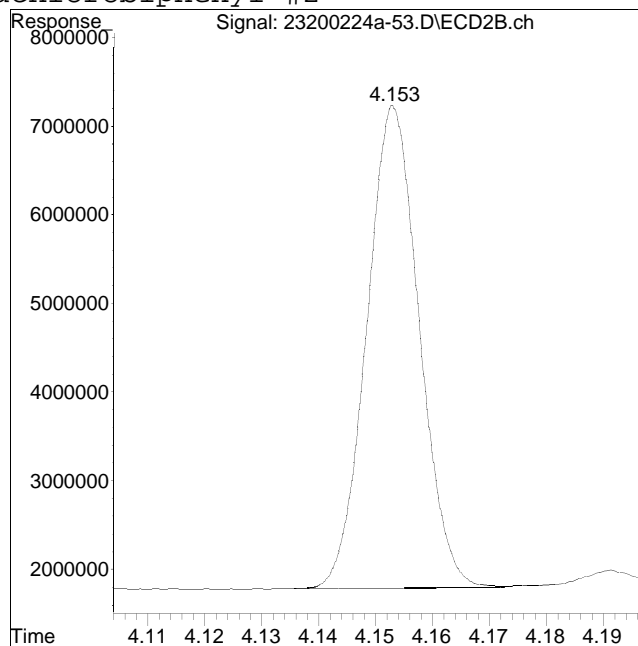
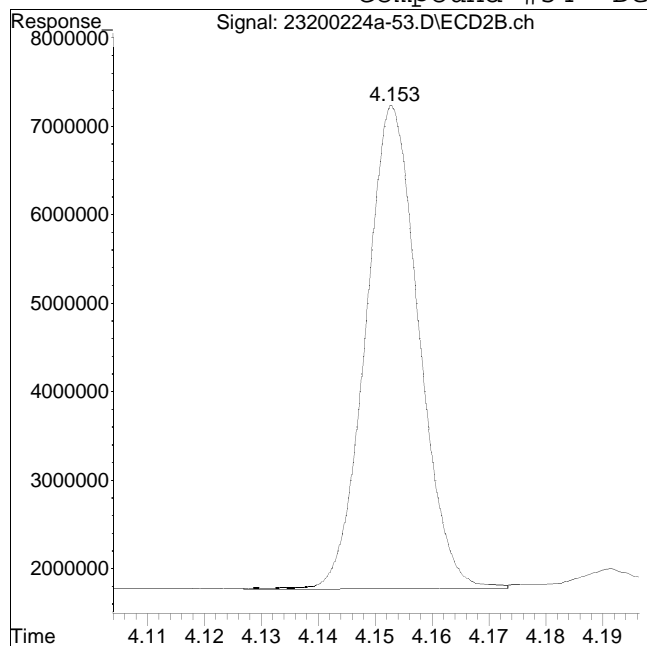
Manual Peak Response = 32784576 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-53.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:43 pm Instrument : Pest 23
Sample : 12006460-03,42e,,re Quant Date : 2/26/2020 1:26 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 35346265

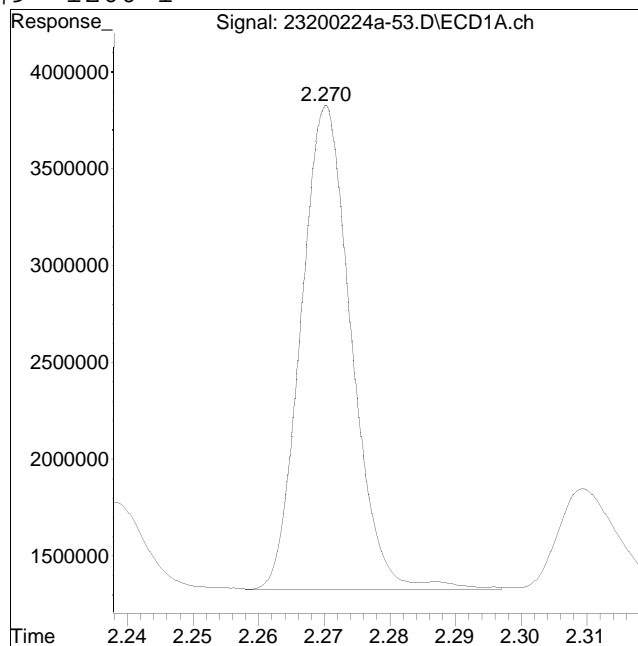
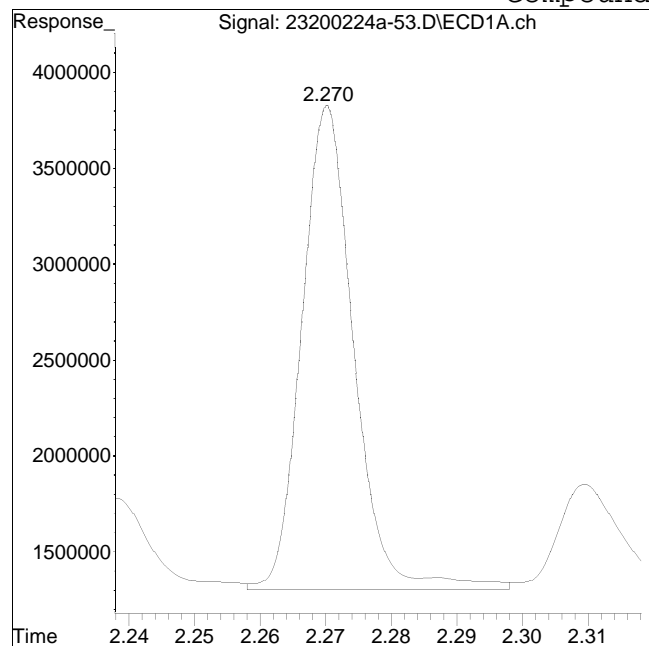
Manual Peak Response = 34790414 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-53.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:43 pm Instrument : Pest 23
Sample : 12006460-03,42e,,re Quant Date : 2/26/2020 1:26 pm

Compound #9: 1260-1



Original Peak Response = 13920239

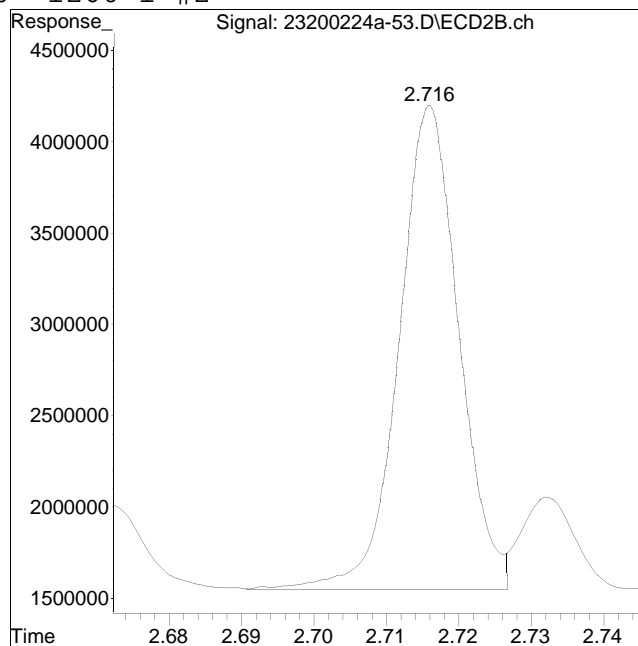
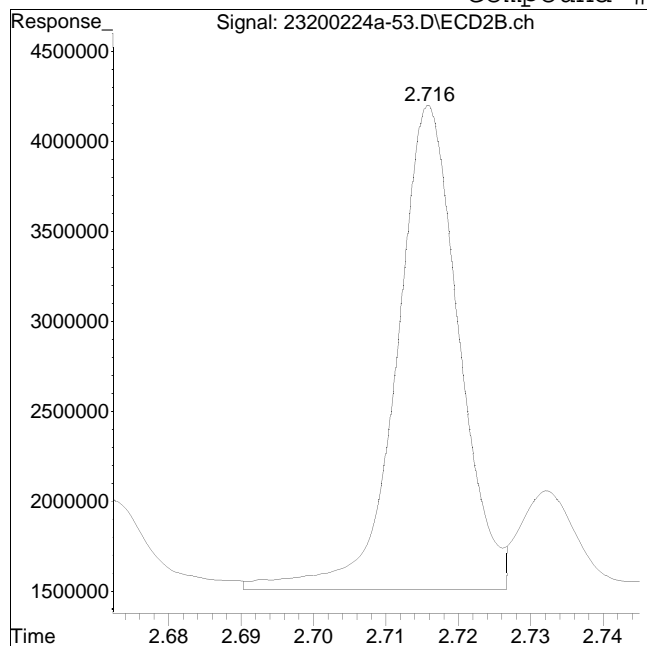
Manual Peak Response = 13344382 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-53.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:43 pm Instrument : Pest 23
Sample : 12006460-03,42e,,re Quant Date : 2/26/2020 1:26 pm

Compound #60: 1260-1 #2



Original Peak Response = 16028998

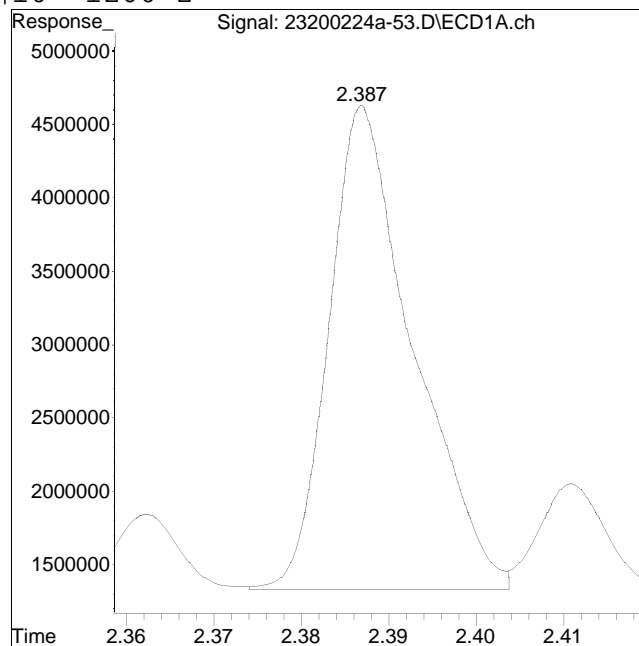
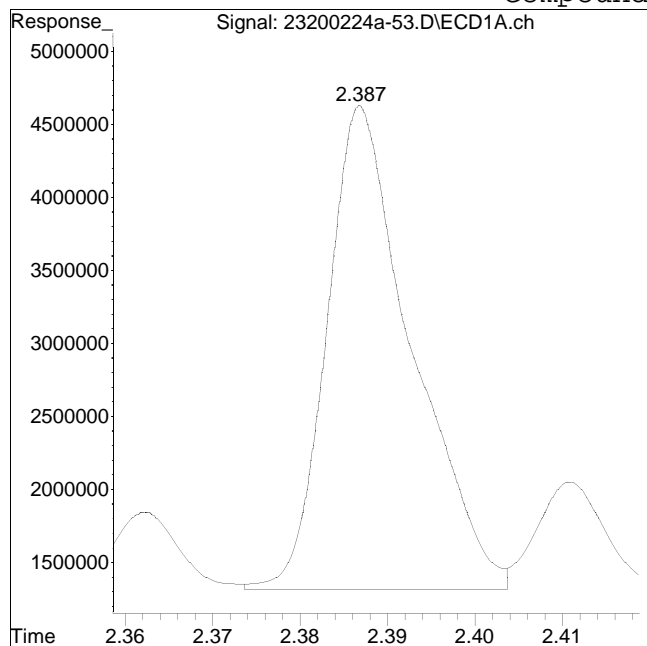
Manual Peak Response = 15238288 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-53.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:43 pm Instrument : Pest 23
Sample : 12006460-03,42e,,re Quant Date : 2/26/2020 1:26 pm

Compound #10: 1260-2



Original Peak Response = 22393275

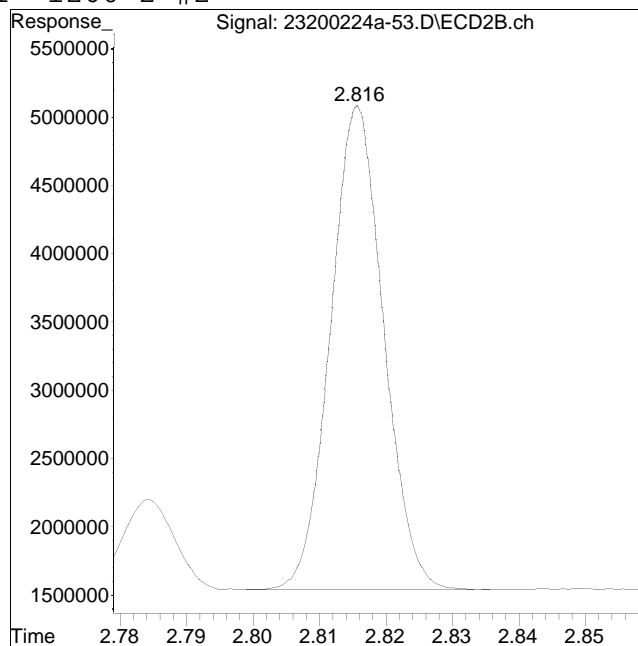
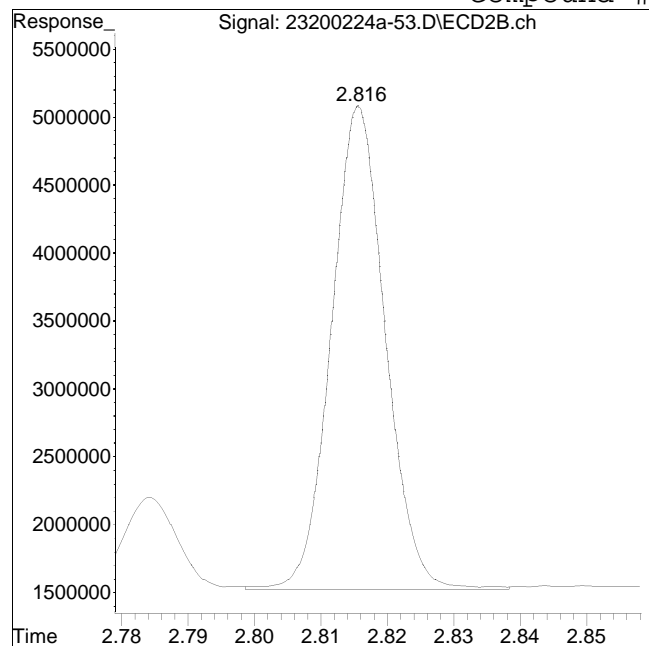
Manual Peak Response = 22110248 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-53.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:43 pm Instrument : Pest 23
Sample : 12006460-03,42e,,re Quant Date : 2/26/2020 1:26 pm

Compound #61: 1260-2 #2



Original Peak Response = 20056794

Manual Peak Response = 19656340 M4

M4 = Poor automated baseline construction.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200215A\
 Data File : 13200215a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Feb 2020 11:52 am
 Operator : pest13:ht
 Sample : wg1341043-1,42e,,
 Misc : wg1341111,wg1341043,ical16298
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 20:37:31 2020
 Quant Method : I:\Pest13\200215A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200215A\13200215a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.164	2.164	598.6E6	1631.6E6	250.000	250.000
Standard Area 1 : #1 = 590262482					Recovery =	101.41%
Standard Area 1 : #2 = 1651870839					Recovery =	98.77%
14) i 2154_1br2nb	2.164	2.164	598.6E6	1631.6E6	250.000	250.000
23) i 4268_1br2nb	2.164	2.164	598.6E6	1631.6E6	250.000	250.000
34) i 1248_1br2nb	2.164	2.164	598.6E6	1631.6E6	250.000	250.000
40) i 3262_1br2nb	2.164	2.164	598.6E6	1631.6E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.649	2.759	1261.1E6	3493.6E6	478.215	526.431
Spiked Amount 500.000	Range 30 - 150		Recovery =		95.64%	105.29%
3) s Decachlorobi	6.647	7.073	891.3E6	1917.9E6	438.060	545.009
Spiked Amount 500.000	Range 30 - 150		Recovery =		87.61%	109.00%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200215A\
 Data File : 13200215a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Feb 2020 11:52 am
 Operator : pest13:ht
 Sample : wg1341043-1,42e,,
 Misc : wg1341111,wg1341043,ical16298
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 20:37:31 2020
 Quant Method : I:\Pest13\200215A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200215A\13200215a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200215A\
 Data File : 13200215a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Feb 2020 11:52 am
 Operator : pest13:ht
 Sample : wg1341043-1,42e,,
 Misc : wg1341111,wg1341043,ical16298
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 20:37:31 2020
 Quant Method : I:\Pest13\200215A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200215A\13200215a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

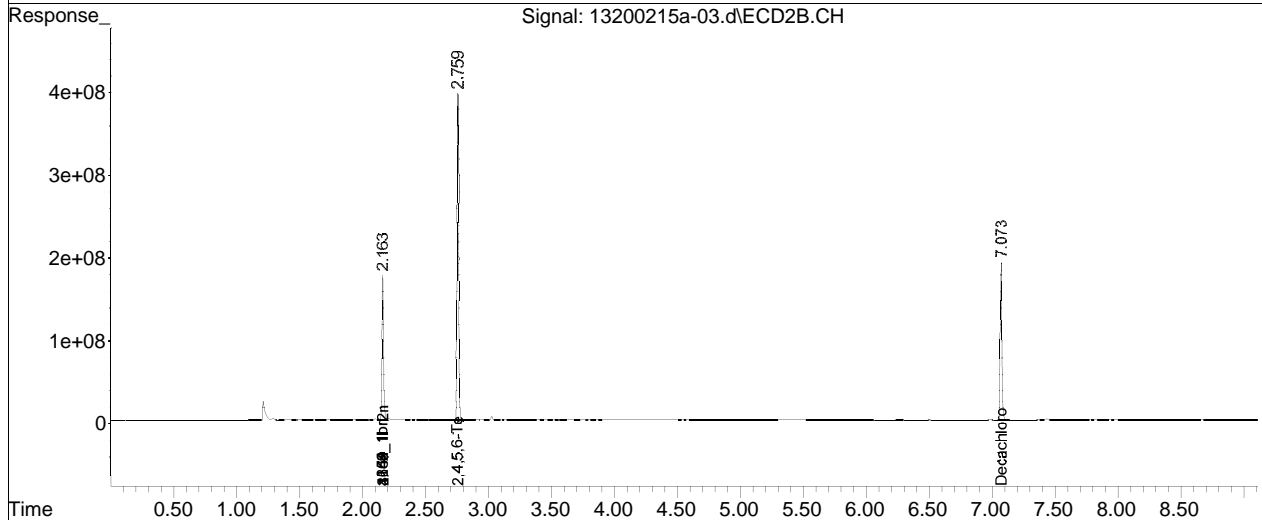
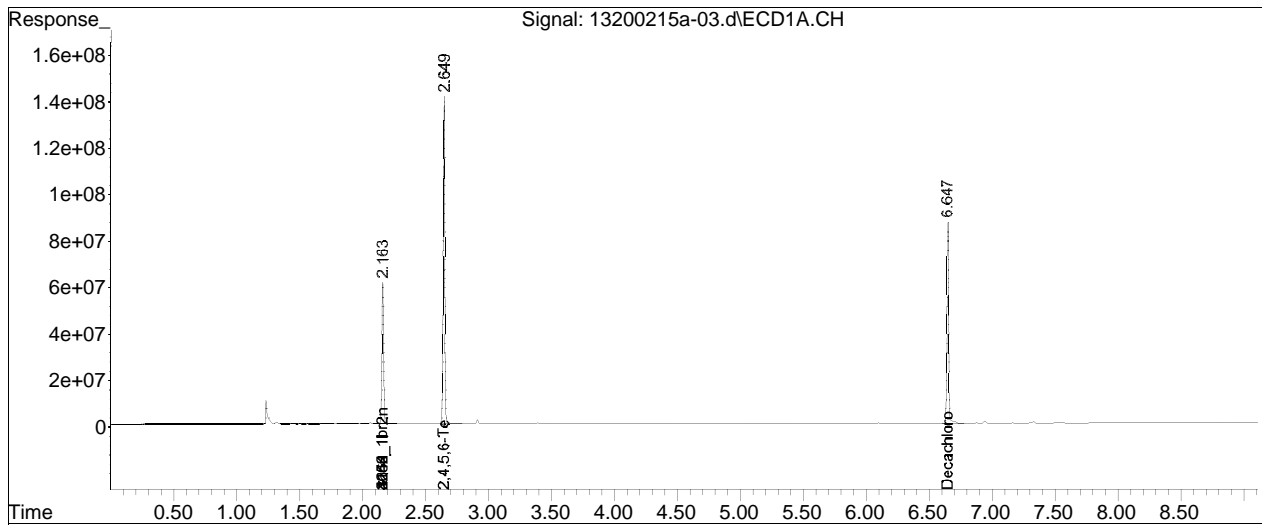
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest13\200215A\
 Data File : 13200215a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Feb 2020 11:52 am
 Operator : pest13:ht
 Sample : wg1341043-1,42e,,
 Misc : wg1341111,wg1341043,ical16298
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 16 20:37:31 2020
 Quant Method : I:\Pest13\200215A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest13\200215A\	QMethod	: P13_pcb_11_14_19_ugL_ICA
Data File	: 13200215a-03.d	Operator	: pest13:ht
Date Inj'd	: 2/15/2020 11:52 am	Instrument	: PEST 13
Sample	: wg1341043-1,42e,,	Quant Date	: 2/16/2020 8:36 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:37 pm
 Operator : pest23:cw
 Sample : wg1340879-1,42e,,
 Misc : wg1341233,wg1340879,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:18:50 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.072	24921771	25315335	250.000	250.000
Standard Area 1 : #1 = 24557365					Recovery =	101.48%
Standard Area 1 : #2 = 25079144					Recovery =	100.94%
14) i 2154_1br2nb	0.924	1.072	24921771	25315335	250.000	250.000
23) i 4268_1br2nb	0.924	1.072	24921771	25315335	250.000	250.000
34) i 1248_1br2nb	0.924	1.072	24921771	25315335	250.000	250.000
40) i 3262_1br2nb	0.924	1.072	24921771	25315335	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.417	28909245	28940429	189.765	206.841
Spiked Amount 500.000	Range 30 - 150				Recovery =	37.95%
3) s Decachlorobi	3.526	4.221	22913396	20297741	215.997	160.745M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	43.20%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:37 pm
 Operator : pest23:cw
 Sample : wg1340879-1,42e,,
 Misc : wg1341233,wg1340879,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:18:50 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:37 pm
 Operator : pest23:cw
 Sample : wg1340879-1,42e,,
 Misc : wg1341233,wg1340879,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:18:50 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200216a\
 Data File : 23200216a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Feb 2020 01:37 pm
 Operator : pest23:cw
 Sample : wg1340879-1,42e,,
 Misc : wg1341233,wg1340879,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:18:50 2020
 Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:50:44 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200216a\23200216a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

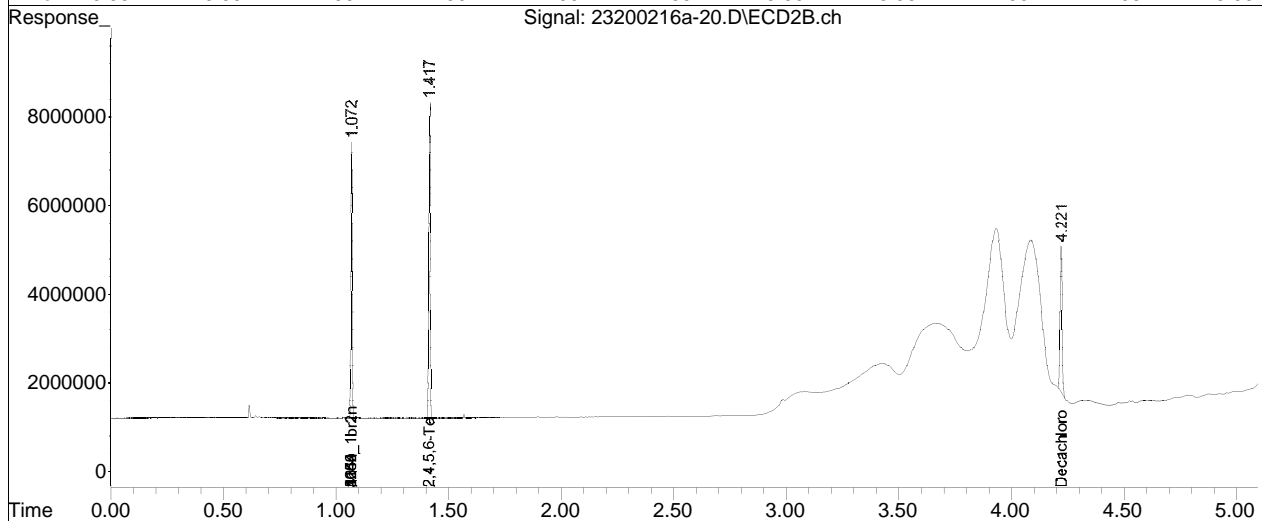
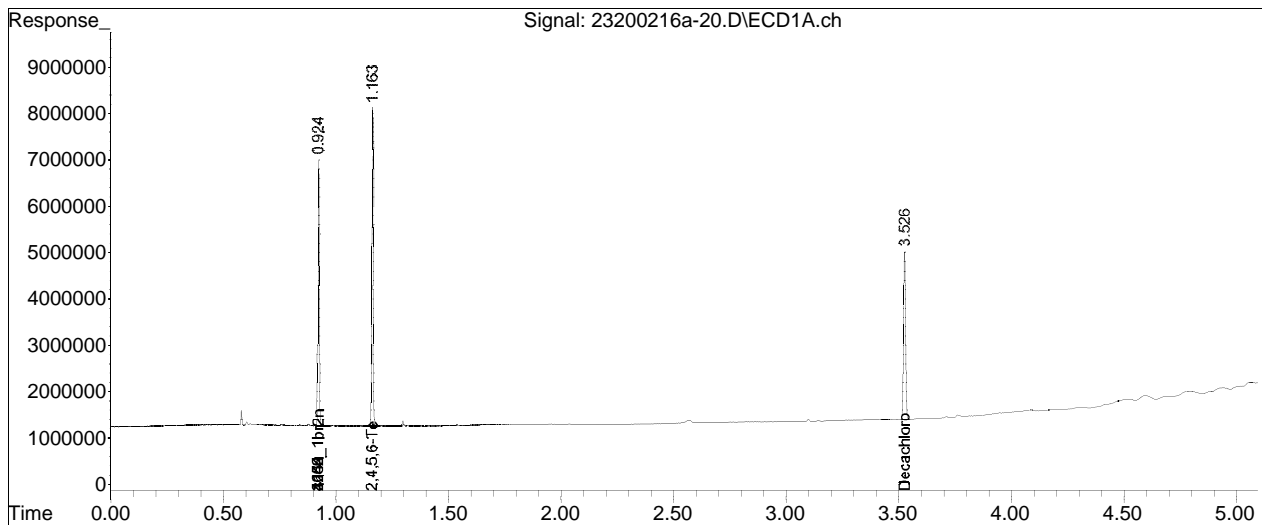
Sub List : Default - All compounds listed16a\23200216a-02.D**

Data Path : I:\Pest23\data\2020\23200216a\
Data File : 23200216a-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Feb 2020 01:37 pm
Operator : pest23:cw
Sample : wg1340879-1,42e,,
Misc : wg1341233,wg1340879,ical16474
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:18:50 2020
Quant Method : I:\Pest23\data\2020\23200216a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Sun Feb 16 19:50:44 2020
Response via : Initial Calibration
Integrator: ChemStation

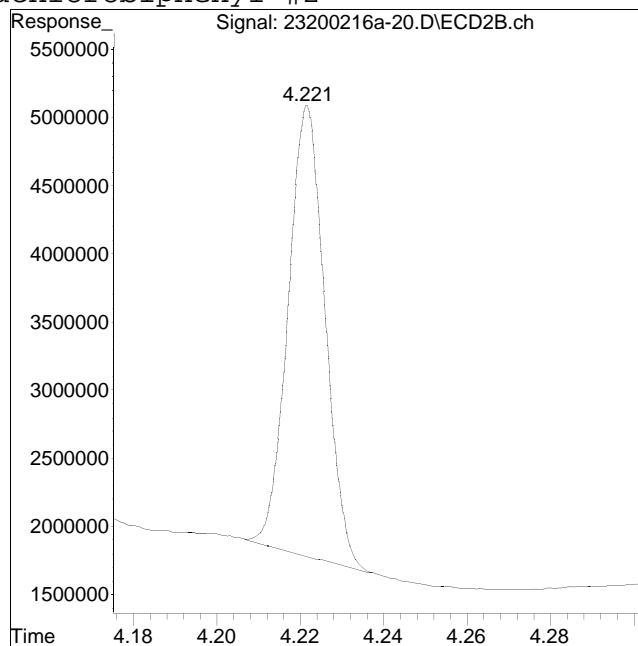
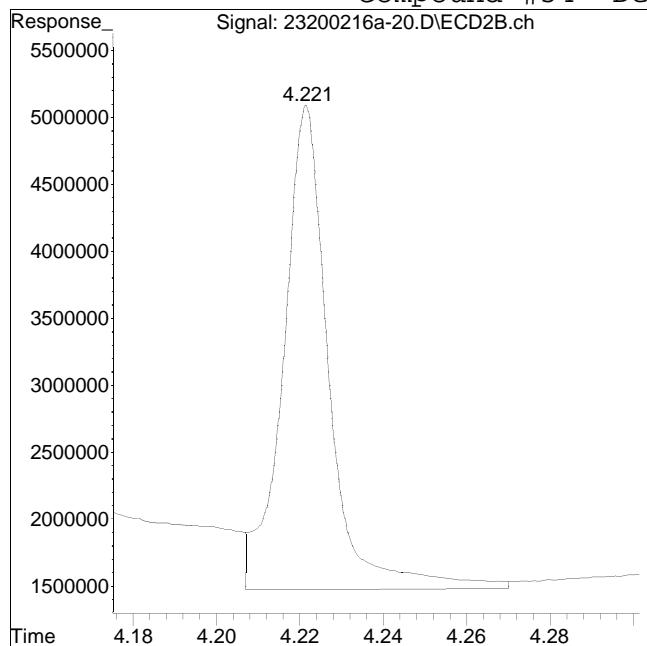
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200216a-20.D Operator : pest23:cw
Date Inj'd : 2/16/2020 1:37 pm Instrument : Pest 23
Sample : wg1340879-1,42e,, Quant Date : 2/18/2020 1:14 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 27803667

Manual Peak Response = 20297741 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200217a\
 Data File : 13200217a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 12:22 pm
 Operator : pest13:aws
 Sample : wg1341202-1,42e,,
 Misc : wg1341444,wg1341202,ical16298 (Sig #1); wg1341444,wg1341129,ical16298 (Sig #2)
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:56:44 2020
 Quant Method : I:\Pest13\200217a\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200217a\13200217a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.162	2.161	661.7E6	1785.4E6	250.000	250.000
Standard Area 1 : #1 = 668682837					Recovery =	98.96%
Standard Area 1 : #2 = 1793099192					Recovery =	99.57%
14) i 2154_1br2nb	2.162	2.161	661.7E6	1785.4E6	250.000	250.000
23) i 4268_1br2nb	2.162	2.161	661.7E6	1785.4E6	250.000	250.000
34) i 1248_1br2nb	2.162	2.161	661.7E6	1785.4E6	250.000	250.000
40) i 3262_1br2nb	2.162	2.161	661.7E6	1785.4E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.647	2.757	1217.5E6	3259.2E6	417.587	448.803
Spiked Amount 500.000 Range 30 - 150					Recovery =	83.52%
3) s Decachlorobi	6.641	7.061	816.1E6	1816.4E6	362.812	471.713
Spiked Amount 500.000 Range 30 - 150					Recovery =	72.56%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200217a\
 Data File : 13200217a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 12:22 pm
 Operator : pest13:aws
 Sample : wg1341202-1,42e,,
 Misc : wg1341444,wg1341202,ical16298 (Sig #1); wg1341444,wg1341129,ical16298 (Sig #2)
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:56:44 2020
 Quant Method : I:\Pest13\200217a\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200217a\13200217a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D.	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200217a\
 Data File : 13200217a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 12:22 pm
 Operator : pest13:aws
 Sample : wg1341202-1,42e,,
 Misc : wg1341444,wg1341202,ical16298 (Sig #1); wg1341444,wg1341129,ical16298 (Sig #2)
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:56:44 2020
 Quant Method : I:\Pest13\200217a\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200217a\13200217a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17	1248-1	3.462f	3.743f	4256327	11585397	60.130M2	68.725
36) 17	1248-2	3.721f	4.026f	5501978	13173274	53.611M2	62.428M4
37) 17	1248-3	3.903f	4.244f	8509674	15660508	53.951M2	60.559M4
38) 17	1248-4	4.236f	4.545f	11254880	28659233	85.635M2	101.164M4
39) 17	1248-5	4.260f	4.583f	13462280	39083623	108.629M2	122.508M2
	Sum 1248-1			42985138	108.2E6	361.957	415.385
	Average 1248-1					72.391	83.077
41) 15	1232-1	0.000	0.000	0	0	N.D.	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200217a\
 Data File : 13200217a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 12:22 pm
 Operator : pest13:aws
 Sample : wg1341202-1,42e,,
 Misc : wg1341444,wg1341202,ical16298 (Sig #1); wg1341444,wg1341129,ical16298 (Sig #2)
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 13:56:44 2020
 Quant Method : I:\Pest13\200217a\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200217a\13200217a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

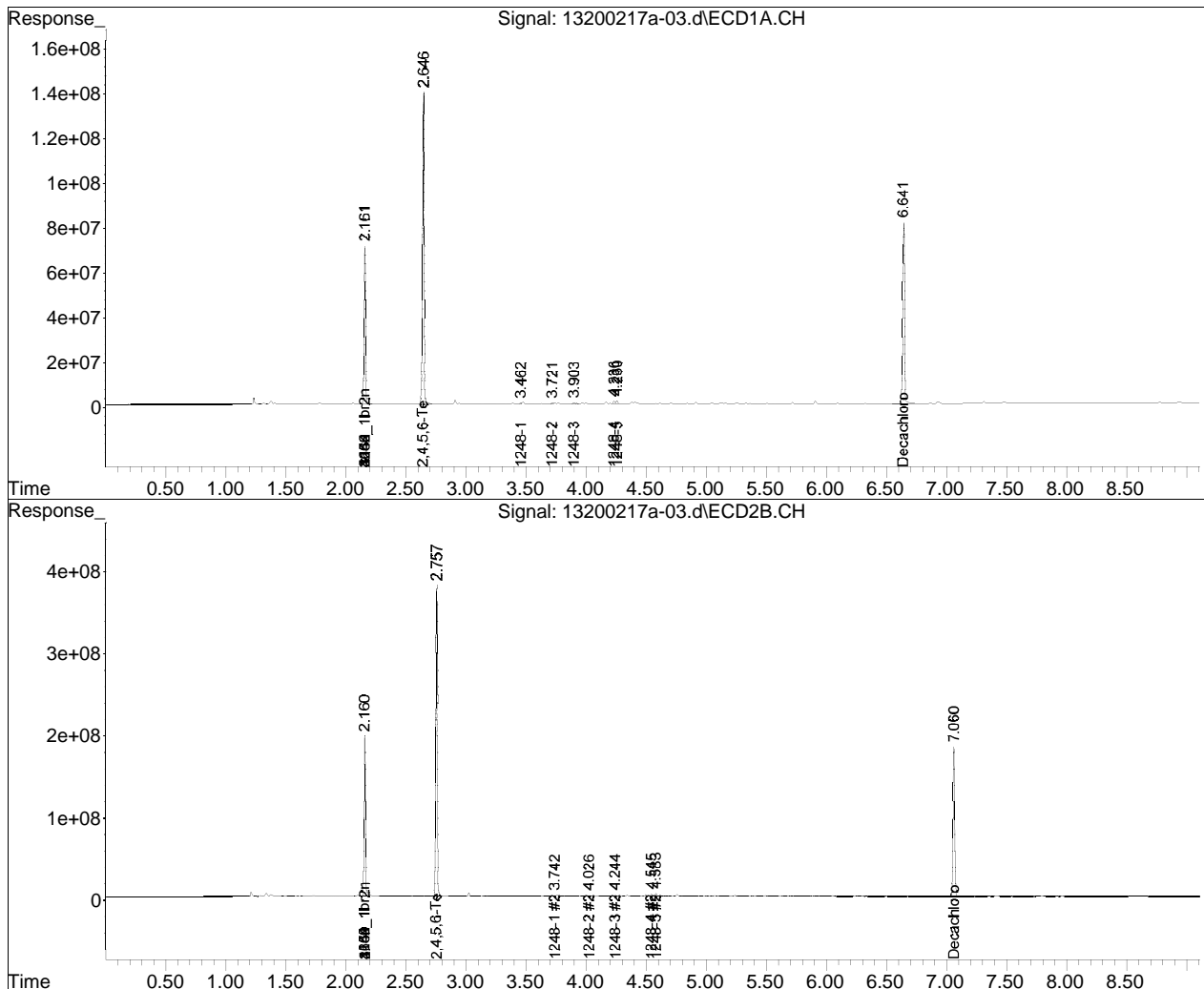
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest13\200217a\
Data File : 13200217a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Feb 2020 12:22 pm
Operator : pest13:aws
Sample : wg1341202-1,42e,,
Misc : wg1341444,wg1341202,ical16298 (Sig #1); wg1341444,wg1341129,ical16
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 13:56:44 2020
Quant Method : I:\Pest13\200217a\P13_pcb_11_14_19_ugL_ICAL16298.m
Quant Title : pcb
QLast Update : Wed Feb 12 21:30:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

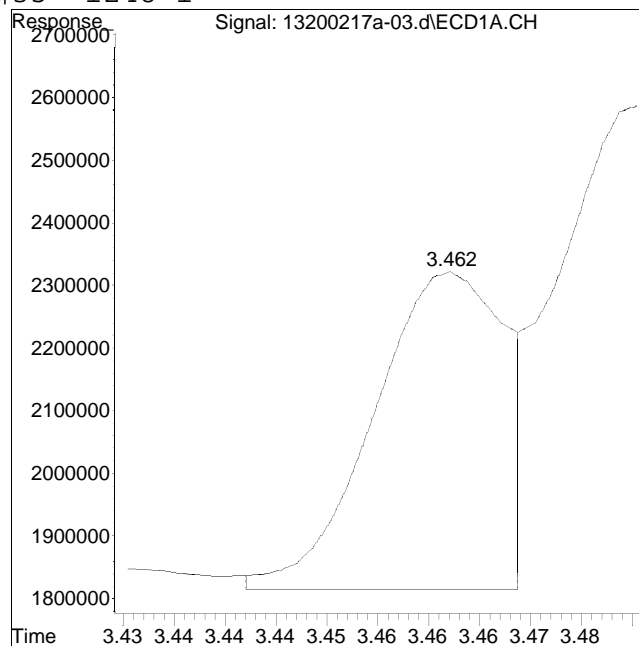
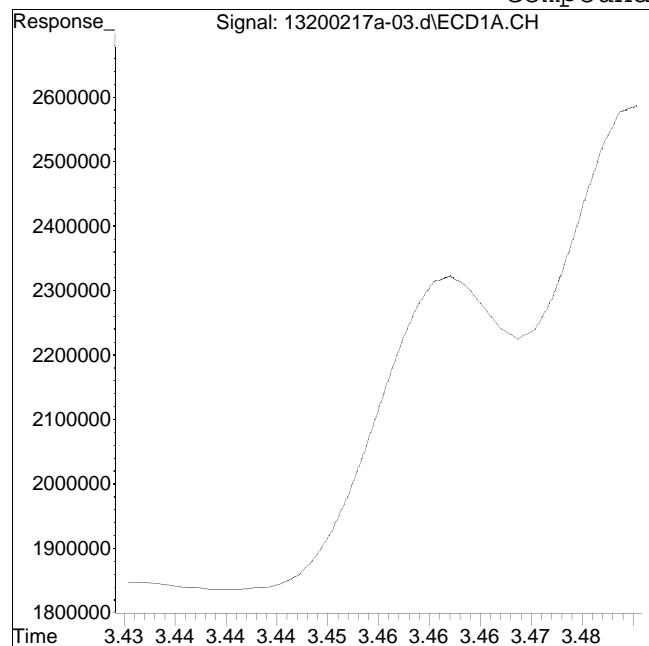


Manual Integration Report

Data Path : I:\Pest13\200217a\
Data File : 13200217a-03.d
Date Inj'd : 2/17/2020 12:22 pm
Sample : wg1341202-1,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/18/2020 1:54 pm

Compound #35: 1248-1



Original Peak Response = 0

Manual Peak Response = 4256327 M2

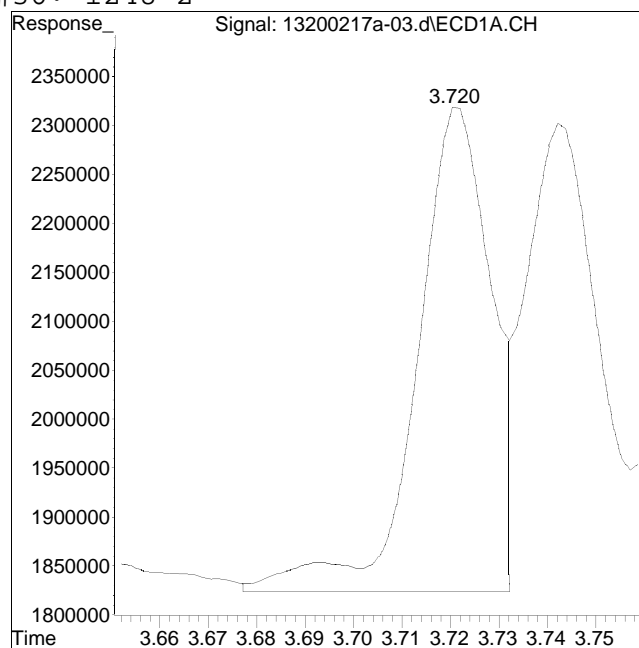
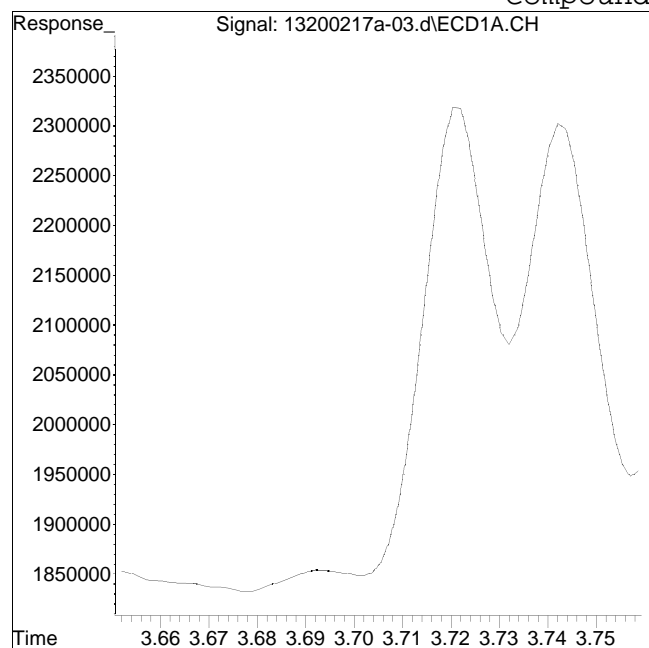
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest13\200217a\
Data File : 13200217a-03.d
Date Inj'd : 2/17/2020 12:22 pm
Sample : wg1341202-1,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/18/2020 1:54 pm

Compound #36: 1248-2



Original Peak Response = 0

Manual Peak Response = 5501978 M2

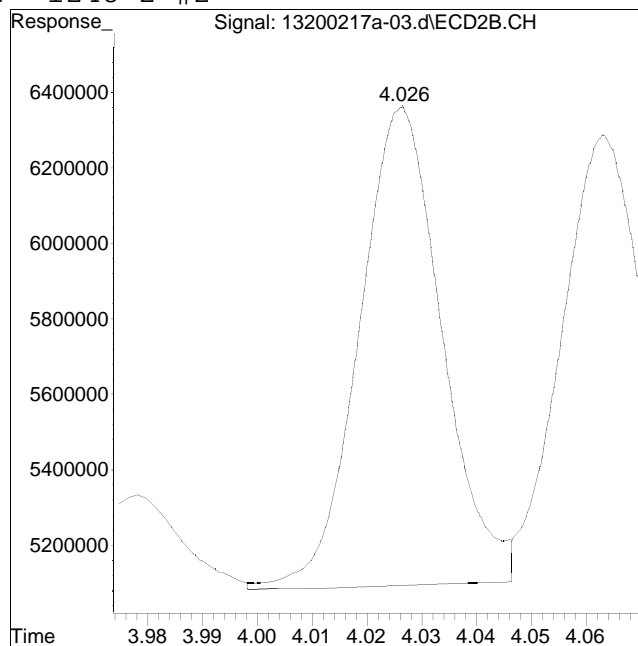
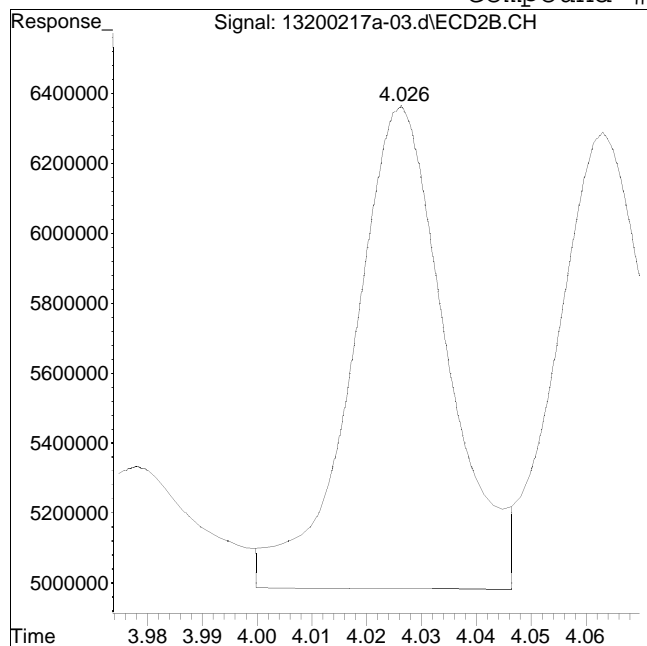
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest13\200217a\
Data File : 13200217a-03.d
Date Inj'd : 2/17/2020 12:22 pm
Sample : wg1341202-1,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/18/2020 1:54 pm

Compound #87: 1248-2 #2



Original Peak Response = 16070210

Manual Peak Response = 13173274 M4

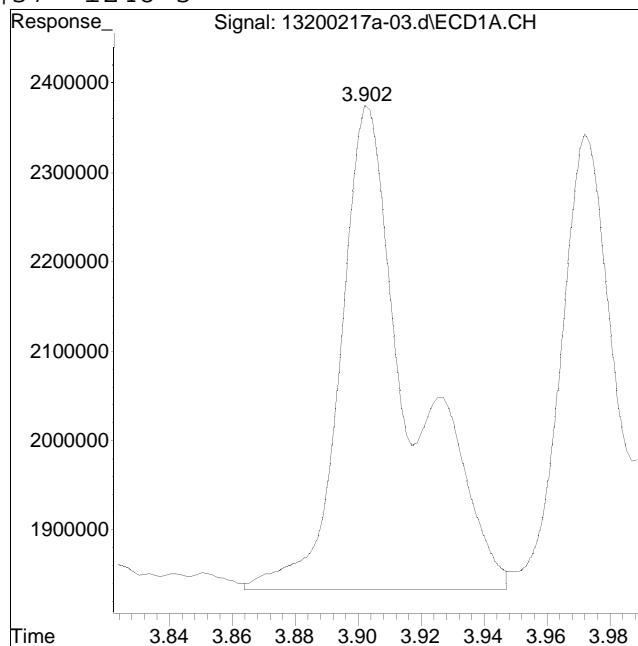
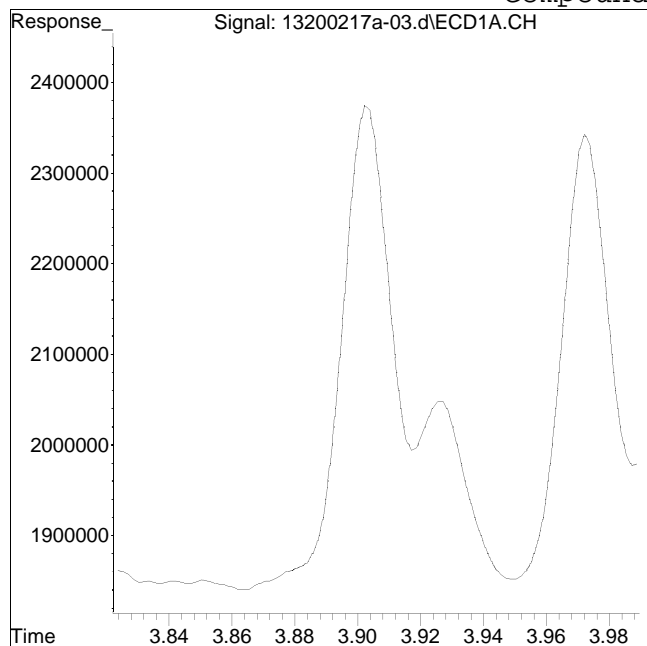
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200217a\
Data File : 13200217a-03.d
Date Inj'd : 2/17/2020 12:22 pm
Sample : wg1341202-1,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/18/2020 1:54 pm

Compound #37: 1248-3



Original Peak Response = 0

Manual Peak Response = 8509674 M2

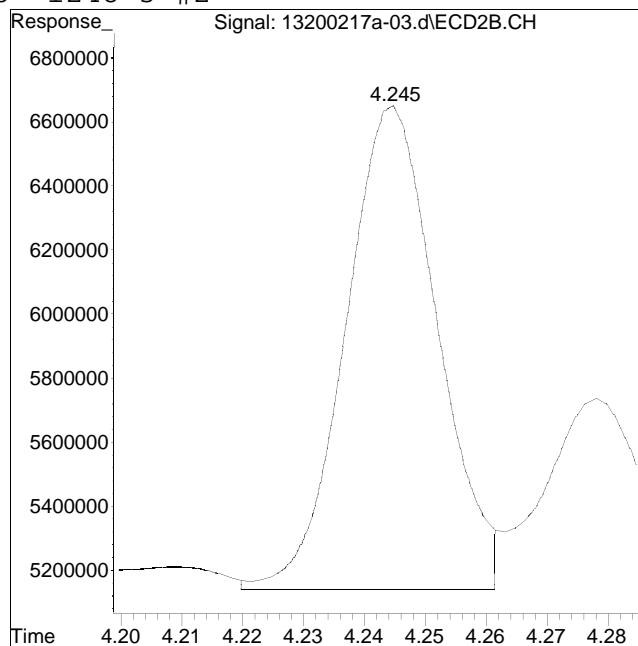
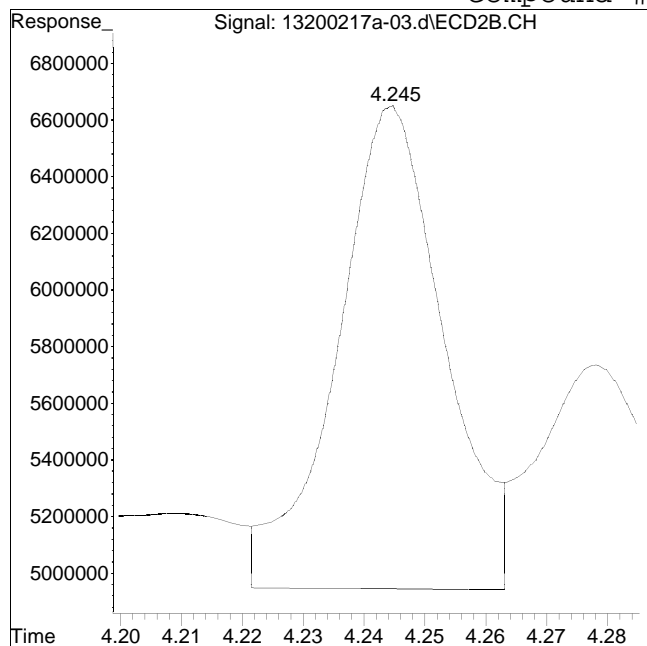
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest13\200217a\
Data File : 13200217a-03.d
Date Inj'd : 2/17/2020 12:22 pm
Sample : wg1341202-1,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/18/2020 1:54 pm

Compound #88: 1248-3 #2



Original Peak Response = 20833388

Manual Peak Response = 15660508 M4

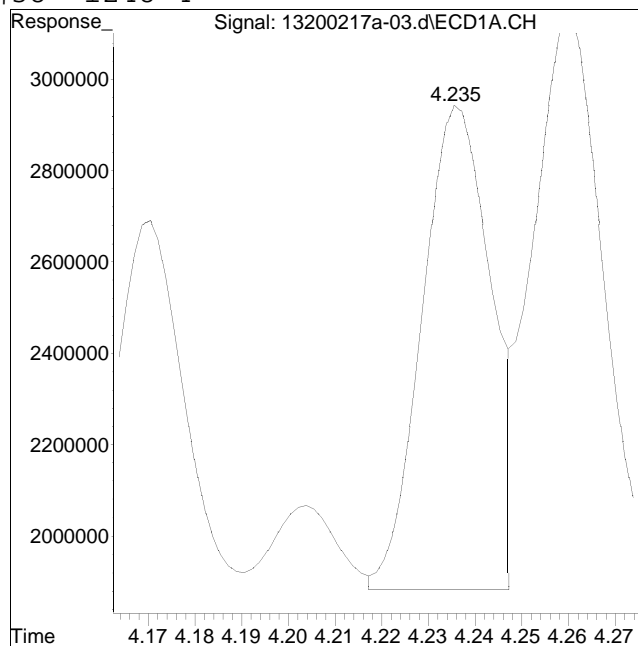
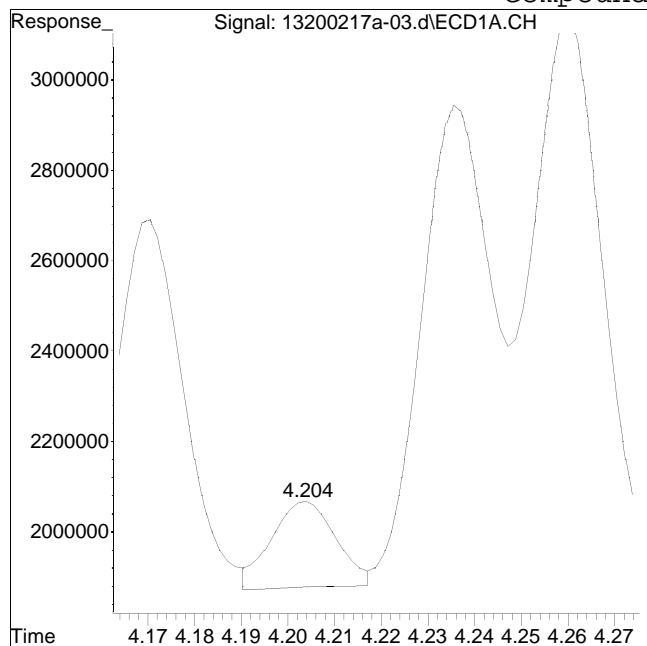
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200217a\
Data File : 13200217a-03.d
Date Inj'd : 2/17/2020 12:22 pm
Sample : wg1341202-1,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/18/2020 1:54 pm

Compound #38: 1248-4



Original Peak Response = 1829281

Manual Peak Response = 11254880 M2

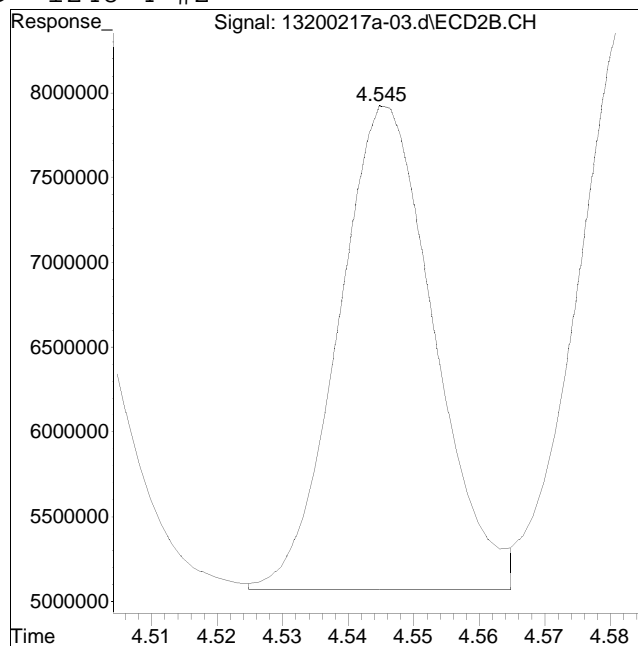
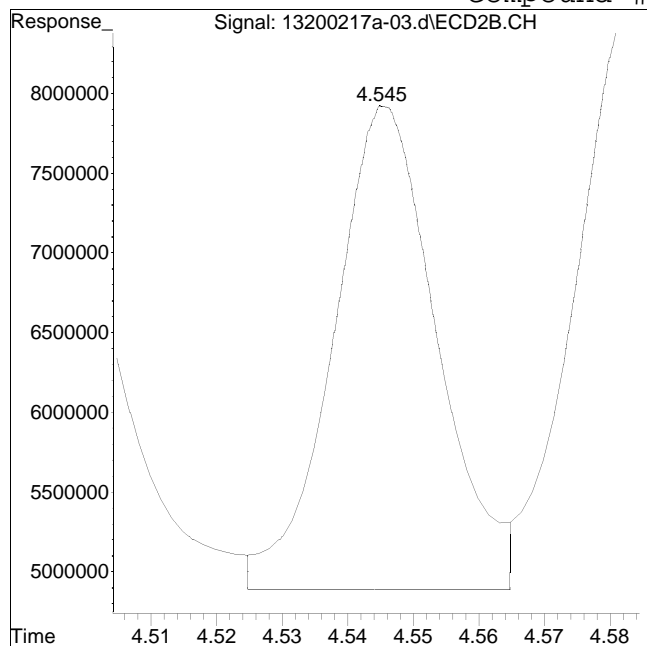
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest13\200217a\
Data File : 13200217a-03.d
Date Inj'd : 2/17/2020 12:22 pm
Sample : wg1341202-1,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/18/2020 1:54 pm

Compound #89: 1248-4 #2



Original Peak Response = 32943465

Manual Peak Response = 28659233 M4

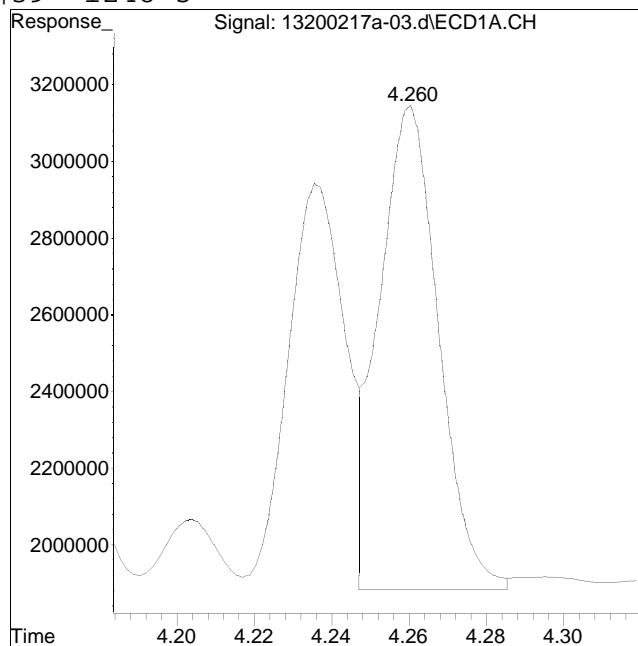
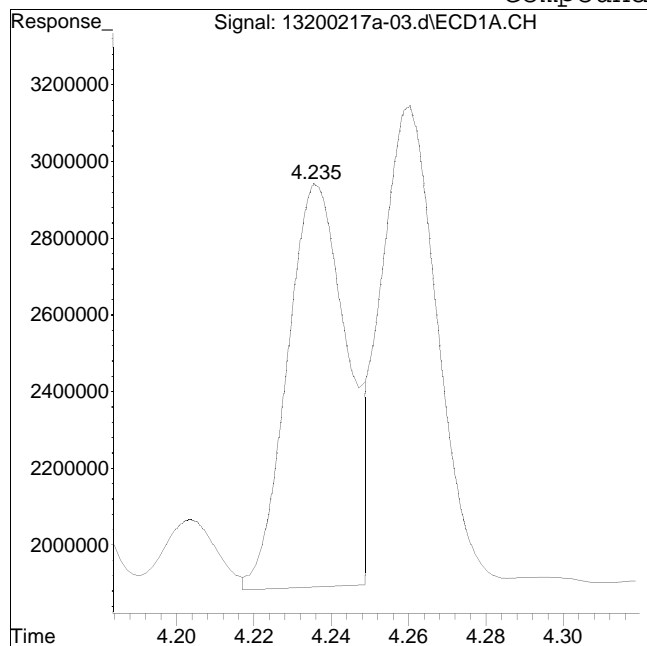
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200217a\
Data File : 13200217a-03.d
Date Inj'd : 2/17/2020 12:22 pm
Sample : wg1341202-1,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/18/2020 1:54 pm

Compound #39: 1248-5



Original Peak Response = 10707094

Manual Peak Response = 13462280 M2

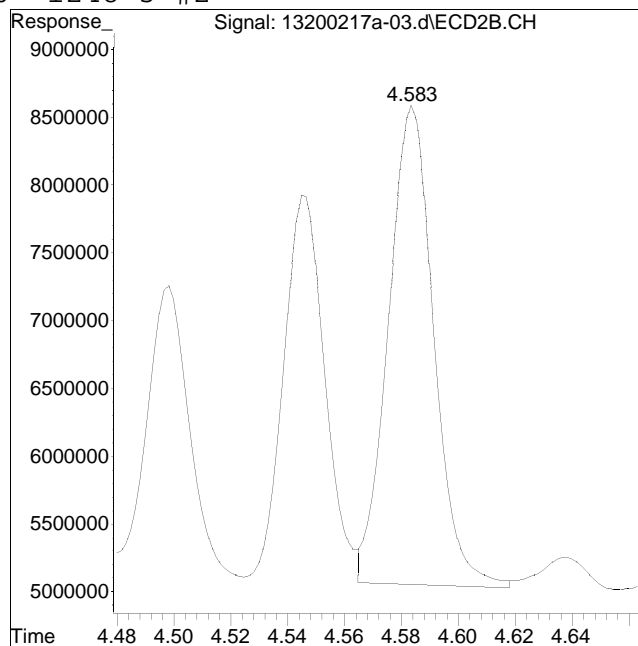
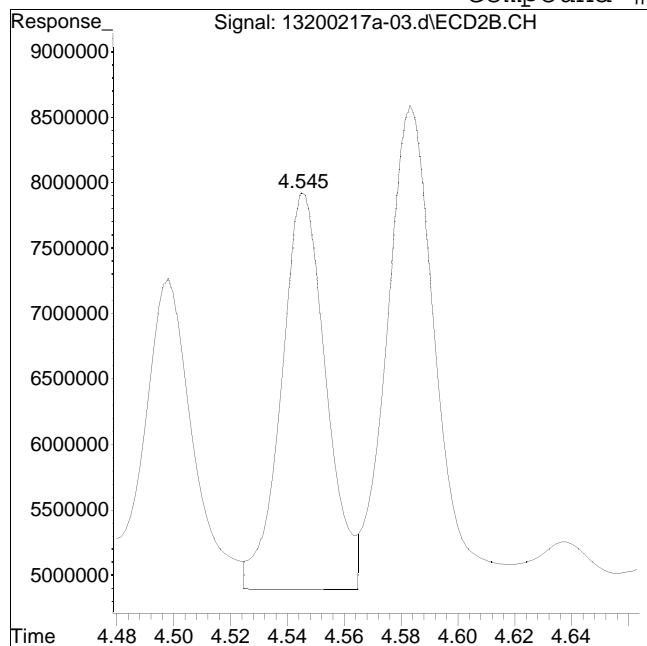
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest13\200217a\
Data File : 13200217a-03.d
Date Inj'd : 2/17/2020 12:22 pm
Sample : wg1341202-1,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/18/2020 1:54 pm

Compound #90: 1248-5 #2



Original Peak Response = 32943465

Manual Peak Response = 39083623 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-62.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:45 pm
 Operator : pest23:aws
 Sample : wg1343647-1,42e,,
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 13:36:21 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
Standard Area 1 : #1 = 22244458					Recovery =	103.87%
Standard Area 1 : #2 = 25501975					Recovery =	102.70%
14) i 2154_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
23) i 4268_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
34) i 1248_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
40) i 3262_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.358	47092069	53612210	333.409	370.359
Spiked Amount 500.000	Range 30 - 150				Recovery =	66.68%
74.07%						
3) s Decachlorobi	3.525	4.152	40064077	43652980	417.869	334.142
Spiked Amount 500.000	Range 30 - 150				Recovery =	83.57%
66.83%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-62.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:45 pm
 Operator : pest23:aws
 Sample : wg1343647-1,42e,,
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 13:36:21 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-62.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:45 pm
 Operator : pest23:aws
 Sample : wg1343647-1,42e,,
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 13:36:21 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-62.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:45 pm
 Operator : pest23:aws
 Sample : wg1343647-1,42e,,
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 13:36:21 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

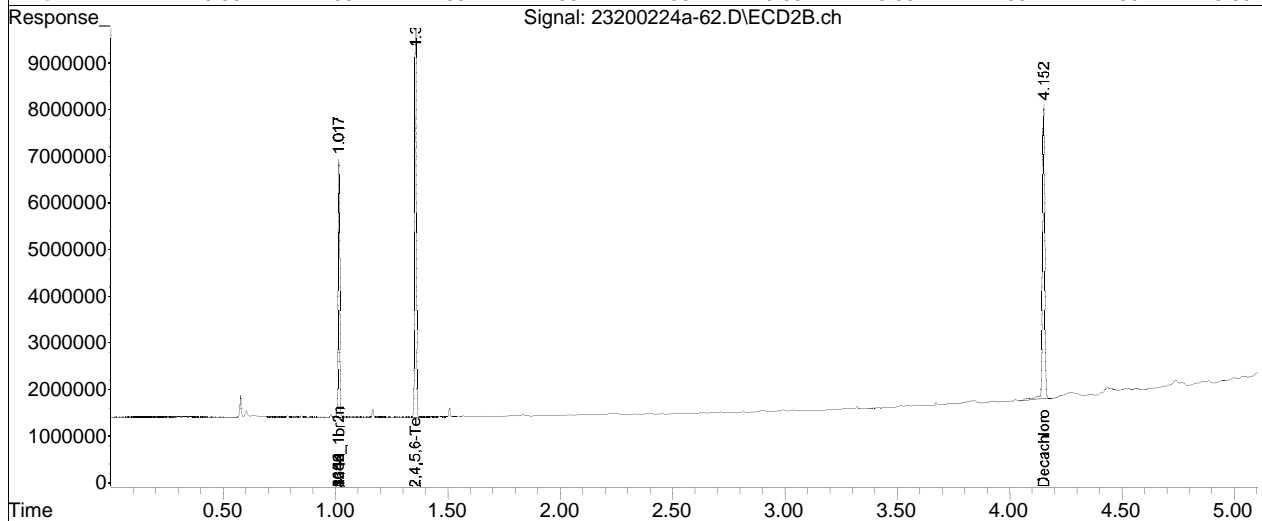
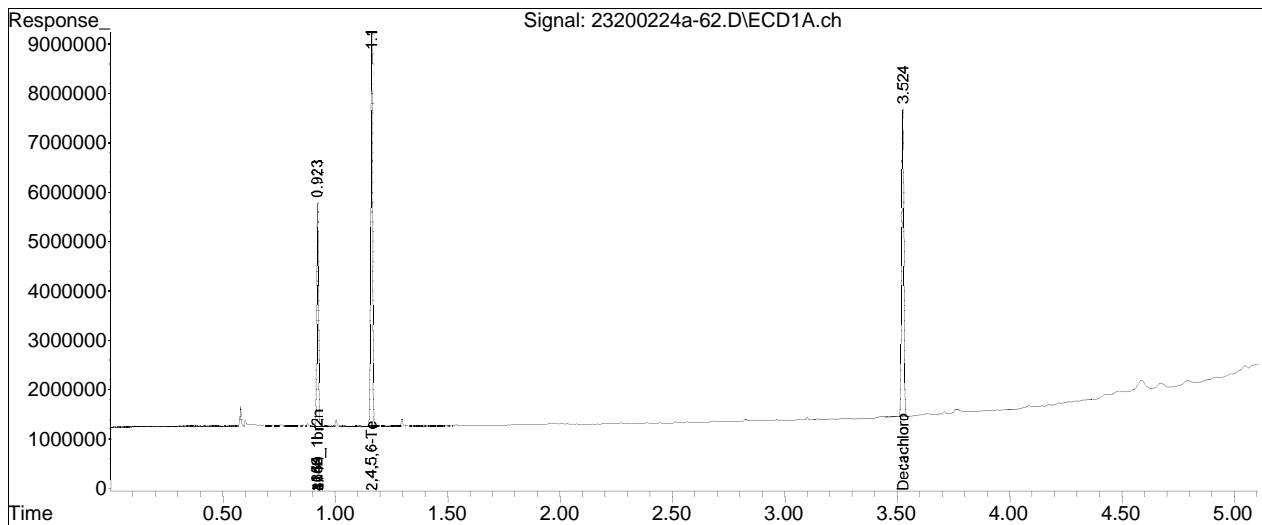
Sub List : Default - All compounds listed24a\23200224a-44.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-62.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 11:45 pm
Operator : pest23:aws
Sample : wg1343647-1,42e,,
Misc : wg1343753,wg1343647,ical16474
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 13:36:21 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-62.D Operator : pest23:aws
Date Inj'd : 2/24/2020 11:45 pm Instrument : Pest 23
Sample : wg1343647-1,42e,, Quant Date : 2/25/2020 1:02 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200213A\
 Data File : P2200213a-42.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 8:15 pm
 Operator : pest2:ht
 Sample : wgl340470-1,42e,,
 Misc : wgl340357,wgl340470,ical16010
 ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 20:27:43 2020
 Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:01:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200213A\P2200213a-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.085	2.273	83912863	62254233	25.000	25.000
Standard Area 1 : #1 = 85917823					Recovery =	97.67%
Standard Area 1 : #2 = 62146499					Recovery =	100.17%
14) i 2154_1br2nb	2.085	2.273	83912863	62254233	25.000	25.000
23) i 4268_1br2nb	2.085	2.273	83912863	62254233	25.000	25.000
34) i 1248_1br2nb	2.085	2.273	83912863	62254233	25.000	25.000
40) i 3262_1br2nb	2.085	2.273	83912863	62254233	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.564	2.914	54165952	40125604	15.732	15.297
Spiked Amount 20.000	Range 30 - 150				Recovery =	78.66% 76.48%
3) s Decachlorobi	6.566	7.258	49493688	35673647	14.975	17.397
Spiked Amount 20.000	Range 30 - 150				Recovery =	74.88% 86.98%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200213A\
 Data File : P2200213a-42.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 8:15 pm
 Operator : pest2:ht
 Sample : wg1340470-1,42e,,
 Misc : wg1340357,wg1340470,ical16010
 ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 20:27:43 2020
 Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:01:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200213A\P2200213a-26.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200213A\
 Data File : P2200213a-42.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 Feb 2020 8:15 pm
 Operator : pest2:ht
 Sample : wg1340470-1,42e,,
 Misc : wg1340357,wg1340470,ical16010
 ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 13 20:27:43 2020
 Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:01:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200213A\P2200213a-26.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

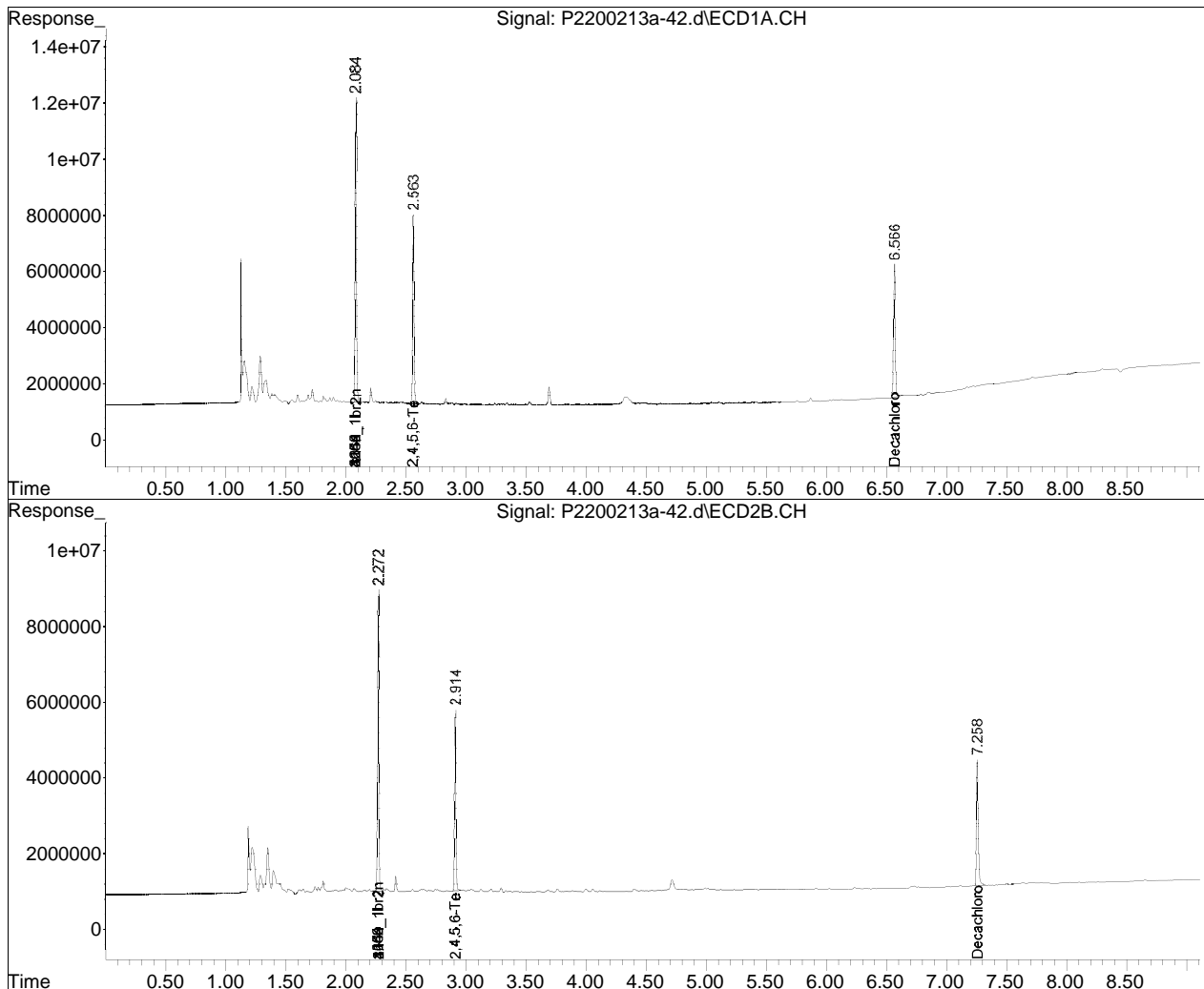
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-26.d••ed)

Data Path : I:\Pest2\200213A\
Data File : P2200213a-42.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Feb 2020 8:15 pm
Operator : pest2:ht
Sample : wg1340470-1,42e,,
Misc : wg1340357,wg1340470,ical16010
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 13 20:27:43 2020
Quant Method : I:\Pest2\200213A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 13 20:01:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest2\200213A\ Data File	: P2200213a-42.d	QMethod	: P2_pcb_08_06_19_LVI_ugL_
Date Inj'd	: 2/13/2020 8:15 pm		Operator	: pest2:ht
Sample	: wg1340470-1,42e,,		Instrument	: PEST 2
			Quant Date	: 2/13/2020 8:27 pm

There are no manual integrations or false positives in this file.

Wet Chemistry

Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-01	Date Collected : 02/12/20 09:18
Client ID : E-152-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	79.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-02	Date Collected : 02/12/20 09:27
Client ID : E-152-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 77
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	77.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-04	Date Collected : 02/12/20 10:10
Client ID : E-149-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-05	Date Collected : 02/12/20 10:22
Client ID : E-149-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 93
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	93.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-07	Date Collected : 02/12/20 10:52
Client ID : E-147-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-08	Date Collected : 02/12/20 11:01
Client ID : E-147-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 94
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	93.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-10	Date Collected : 02/12/20 11:44
Client ID : E-153-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-11	Date Collected : 02/12/20 11:57
Client ID : E-153-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-12	Date Collected : 02/12/20 12:25
Client ID : E-155-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-13	Date Collected : 02/12/20 12:29
Client ID : E-155-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-15	Date Collected : 02/12/20 13:14
Client ID : E-142-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-16	Date Collected : 02/12/20 13:33
Client ID : E-142-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 79
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-17	Date Collected : 02/12/20 13:37
Client ID : E-142-3.0-3.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 79
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-18	Date Collected : 02/12/20 13:46
Client ID : E-142-4.0-4.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-19	Date Collected : 02/12/20 14:02
Client ID : E-145-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-20	Date Collected : 02/12/20 14:09
Client ID : E-145-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 94
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	94.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-22	Date Collected : 02/12/20 14:51
Client ID : E-144-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:28
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340392.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-23	Date Collected : 02/12/20 15:01
Client ID : E-144-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:28
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340392.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 89
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-25	Date Collected : 02/12/20 15:36
Client ID : E-143-0.5-1.0	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:28
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340392.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 79
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-26	Date Collected : 02/12/20 15:50
Client ID : E-143-2.0-2.5	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:28
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340392.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 89
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006460-28	Date Collected : 02/12/20 00:00
Client ID : X-5-02122020	Date Received : 02/12/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/13/20 13:28
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340392.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 79
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006460
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1340414-1	Date Collected : 02/12/20 09:18
Client ID : E-152-0.5-1.0DUP	Date Received : 02/12/20
Sample Location :	Date Analyzed : 02/13/20 13:49
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340414.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.5	0.100	NA	



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006460
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-152-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2006460-01	Analysis Date	: 02/13/20 13:49
Dup Sample ID	: WG1340414-1	DUP Analysis Date	: 02/13/20 13:49

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	79.5	78.5	1	20





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Lab Number: L2006705

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK EAST BARRACKS

Project Number: 277710568.0008.06

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**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0008.06		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2006705		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/13/2020		Date of Last Sample Receipt: 02/13/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-130-0.5-1.0	L2006705-01	AMTRAK EAST BARRACKS	02/13/2020 09:22
E-130-2.0-2.5	L2006705-02	AMTRAK EAST BARRACKS	02/13/2020 09:34
E-130-3.0-3.5	L2006705-03	AMTRAK EAST BARRACKS	02/13/2020 09:45
E-132-0.5-1.0	L2006705-04	AMTRAK EAST BARRACKS	02/13/2020 10:03
E-132-2.0-2.5	L2006705-05	AMTRAK EAST BARRACKS	02/13/2020 10:35
E-131-0.5-1.0	L2006705-06	AMTRAK EAST BARRACKS	02/13/2020 10:55
E-128-0.5-1.0	L2006705-07	AMTRAK EAST BARRACKS	02/13/2020 11:32
E-128-2.0-2.5	L2006705-08	AMTRAK EAST BARRACKS	02/13/2020 11:44
E-128-3.0-3.5	L2006705-09	AMTRAK EAST BARRACKS	02/13/2020 11:49
E-129-0.5-1.0	L2006705-10	AMTRAK EAST BARRACKS	02/13/2020 12:58
E-129-2.0-2.5	L2006705-11	AMTRAK EAST BARRACKS	02/13/2020 13:12
E-133-0.5-1.0	L2006705-12	AMTRAK EAST BARRACKS	02/13/2020 13:39
E-133-2.0-2.5	L2006705-13	AMTRAK EAST BARRACKS	02/13/2020 13:49
E-133-3.0-3.5	L2006705-14	AMTRAK EAST BARRACKS	02/13/2020 14:05
E-133-4.0-4.5	L2006705-15	AMTRAK EAST BARRACKS	02/13/2020 14:15
E-136-0.5-1.0	L2006705-16	AMTRAK EAST BARRACKS	02/13/2020 14:38
E-136-2.0-2.5	L2006705-17	AMTRAK EAST BARRACKS	02/13/2020 14:43
E-136-3.0-3.5	L2006705-18	AMTRAK EAST BARRACKS	02/13/2020 15:11
E-136-4.0-4.5	L2006705-19	AMTRAK EAST BARRACKS	02/13/2020 15:20
E-137-0.5-1.0	L2006705-20	AMTRAK EAST BARRACKS	02/13/2020 15:47
E-137-2.0-2.5	L2006705-21	AMTRAK EAST BARRACKS	02/13/2020 15:54

Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0008.06	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2006705	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/13/2020	Date of Last Sample Receipt: 02/13/2020

E-137-3.0-3.5	L2006705-22	AMTRAK EAST BARRACKS	02/13/2020 16:27
X-6-02132020	L2006705-23	AMTRAK EAST BARRACKS	02/13/2020 00:00
EB-6-02132020	L2006705-24	AMTRAK EAST BARRACKS	02/13/2020 16:40

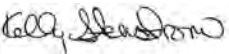
<p>I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.</p>		
Technical Director/Representative (Typed)	Kelly Stenstrom	02/27/20
Technical Director/Representative (Signature)	 Kelly Stenstrom	

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Chain of Custody



ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 02:25 pm

Login Number: L2006705

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0008.06

Received: 13FEB20 Due Date: 27FEB20

Sample #	Client ID	Mat PR Collected
L2006705-01	E-130-0.5-1.0	3 S0 13FEB20 09:22
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 02/27/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2006705-02	E-130-2.0-2.5	3 S0 13FEB20 09:34
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2006705-03	E-130-3.0-3.5	3 S0 13FEB20 09:45
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
HOLD-8082,HOLD-WETCHEM		
L2006705-04	E-132-0.5-1.0	3 S0 13FEB20 10:03
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2006705-05	E-132-2.0-2.5	3 S0 13FEB20 10:35
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2006705-06	E-131-0.5-1.0	3 S0 13FEB20 10:55
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 02:25 pm

Login Number: L2006705

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 13FEB20 Due Date: 27FEB20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2006705-07 E-128-0.5-1.0 3 S0 13FEB20 11:32

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2006705-08 E-128-2.0-2.5 3 S0 13FEB20 11:44

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2006705-09 E-128-3.0-3.5 3 S0 13FEB20 11:49

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

HOLD-8082,HOLD-WETCHEM

L2006705-10 E-129-0.5-1.0 3 S0 13FEB20 12:58

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2006705-11 E-129-2.0-2.5 3 S0 13FEB20 13:12

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 02:25 pm

Login Number: L2006705

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 13FEB20 Due Date: 27FEB20

Sample #	Client ID	Mat PR Collected
L2006705-12	E-133-0.5-1.0	3 S0 13FEB20 13:39
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2006705-13	E-133-2.0-2.5	3 S0 13FEB20 13:49
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2006705-14	E-133-3.0-3.5	3 S0 13FEB20 14:05
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
HOLD-8082,HOLD-WETCHEM		
L2006705-15	E-133-4.0-4.5	3 S0 13FEB20 14:15
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
HOLD-8082,HOLD-WETCHEM		
L2006705-16	E-136-0.5-1.0	3 S0 13FEB20 14:38
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2006705-17	E-136-2.0-2.5	3 S0 13FEB20 14:43
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 02:25 pm

Login Number: L2006705

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 13FEB20 Due Date: 27FEB20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2006705-18 E-136-3.0-3.5 3 S0 13FEB20 15:11

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2006705-19 E-136-4.0-4.5 3 S0 13FEB20 15:20

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2006705-20 E-137-0.5-1.0 3 S0 13FEB20 15:47

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2006705-21 E-137-2.0-2.5 3 S0 13FEB20 15:54

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2006705-22 E-137-3.0-3.5 3 S0 13FEB20 16:27

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

HOLD-8082,HOLD-WETCHEM

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 02:25 pm

Login Number: L2006705

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 13FEB20 Due Date: 27FEB20

Sample #	Client ID	Mat PR Collected
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L2006705-23	X-6-02132020	3 S0 13FEB20 00:00
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LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2006705-24	EB-6-02132020	1 S0 13FEB20 16:40
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LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20

NJ-8082-LVI

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006705-01A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-01A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-01A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-01A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-01A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-01A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-01A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-02A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-02A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-02A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-02A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-02A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-02A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-02A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-03A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	CUSTODY	Geoffry Grace	W15-S6-C CUSTODY	W15-S6-C CUSTODY	Geoffry Grace
L2006705-03A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-04A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-04A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-04A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-04A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-04A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-04A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-04A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-05A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-05A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006705-05A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-05A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-05A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-05A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-05A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-06A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-06A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-06A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-06A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-06A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-06A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-06A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-07A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-07A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-07A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-07A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-07A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-07A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-07A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-08A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-08A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-08A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-08A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-08A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-08A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006705-08A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-09A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	CUSTODY	Geoffry Grace	W15-S6-C CUSTODY	W15-S6-C CUSTODY	Geoffry Grace
L2006705-09A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-10A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-10A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-10A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-10A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-10A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-10A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-10A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-11A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-11A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-11A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-11A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-11A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-11A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-11A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-12A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-12A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-12A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-12A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-12A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-12A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-12A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-13A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006705-13A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-13A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-13A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-13A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-13A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-13A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-14A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	CUSTODY	Geoffry Grace	W15-S6-C CUSTODY	W15-S6-C CUSTODY	Geoffry Grace
L2006705-14A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-15A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	CUSTODY	Geoffry Grace	W15-S6-C CUSTODY	W15-S6-C CUSTODY	Geoffry Grace
L2006705-15A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-16A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-16A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-16A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-16A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-16A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-16A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-16A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-17A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-17A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-17A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-17A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-17A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-17A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-17A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-18A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Geoffry Grace

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006705-18A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	ORGPREP	Eric Baawuah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Eric Baawuah
L2006705-18A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	W19-S3-D CUSTODY	Richmond Addai	ORGPREP	ORGPREP	Richmond Addai
L2006705-18A	Glass-A.06	INTACT	23-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W19-S3-D CUSTODY	W19-S3-D CUSTODY	Brittney Kelley
L2006705-18A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Christopher Pou
L2006705-18A	Glass-A.06	INTACT	23-FEB-20		W19-S3-A CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2006705-18A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Brittney Kelley
L2006705-18A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-18A	Glass-A.06	INTACT	21-FEB-20		W15-S6-C CUSTODY	Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2006705-18A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	CUSTODY	Geoffry Grace	W15-S6-C CUSTODY	W15-S6-C CUSTODY	Geoffry Grace
L2006705-18A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-19A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Geoffry Grace
L2006705-19A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	ORGPREP	Eric Baawuah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Eric Baawuah
L2006705-19A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	W19-S3-D CUSTODY	Richmond Addai	ORGPREP	ORGPREP	Richmond Addai
L2006705-19A	Glass-A.06	INTACT	23-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W19-S3-D CUSTODY	W19-S3-D CUSTODY	Brittney Kelley
L2006705-19A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Christopher Pou
L2006705-19A	Glass-A.06	INTACT	23-FEB-20		W19-S3-A CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2006705-19A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Brittney Kelley
L2006705-19A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-19A	Glass-A.06	INTACT	21-FEB-20		W15-S6-C CUSTODY	Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2006705-19A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	CUSTODY	Geoffry Grace	W15-S6-C CUSTODY	W15-S6-C CUSTODY	Geoffry Grace
L2006705-19A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-20A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-20A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-20A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-20A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006705-20A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-20A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-20A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-21A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-21A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-21A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-21A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-21A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-21A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-21A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-22A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	CUSTODY	Geoffry Grace	W15-S6-C CUSTODY	W15-S6-C CUSTODY	Geoffry Grace
L2006705-22A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-23A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W14-S3-D CUSTODY	W14-S3-D CUSTODY	Phillip Renaud
L2006705-23A	Glass-A.06	INTACT	16-FEB-20	CUSTODY	ORGPREP	Theophilus Botuo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Theophilus Botuo
L2006705-23A	Glass-A.06	INTACT	16-FEB-20		W15-S3-A CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2006705-23A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S3-A CUSTODY	W15-S3-A CUSTODY	Sam Bardsley
L2006705-23A	Glass-A.06	INTACT	14-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006705-23A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006705-23A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-24A	Amber-A.120	INTACT	16-FEB-20		ORGPREP	Franc. Castellanos	CUSTODY	CUSTODY	Franc. Castellanos
L2006705-24A	Amber-A.120	INTACT	16-FEB-20		W26-S3-A CUSTODY	Franc. Castellanos	ORGPREP	ORGPREP	Franc. Castellanos
L2006705-24A	Amber-A.120	INTACT	14-FEB-20	CUSTODY	CUSTODY	Geoffry Grace	W26-S3-A CUSTODY	W26-S3-A CUSTODY	Geoffry Grace
L2006705-24A	Amber-A.120	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green
L2006705-24B	Amber-A.120	INTACT	14-FEB-20	CUSTODY	CUSTODY	Geoffry Grace	W26-S3-A CUSTODY	W26-S3-A CUSTODY	Geoffry Grace
L2006705-24B	Amber-A.120	INTACT	14-FEB-20	LOGIN	LOGIN	Craig Green	CUSTODY	CUSTODY	Craig Green

Methodology Review

Project Name: AMTRAK EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006705
Report Date: 02/27/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Project Name: AMTRAK EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2006705

Report Date: 02/27/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2006705-01A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-02A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-03A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2006705-04A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-05A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-06A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-07A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-08A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-09A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2006705-10A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-11A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-12A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-13A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-14A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2006705-15A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2006705-16A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-17A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-18A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-19A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-20A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-21A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)
L2006705-22A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2006705-23A	Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		NJ-8082(14),TS(7)

*Values in parentheses indicate holding time in days



Project Name: AMTRAK EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2006705

Report Date: 02/27/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2006705-24A	Amber 120ml unpreserved	A	7	7	4.2	Y	Absent		NJ-8082-LVI(7)
L2006705-24B	Amber 120ml unpreserved	A	7	7	4.2	Y	Absent		NJ-8082-LVI(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



Project Name: AMTRAK EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006705
Report Date: 02/27/20

**NJ DEP Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^\circ \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary



Project Name: AMTRAK EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006705
Report Date: 02/27/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



Project Name: AMTRAK EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006705
Report Date: 02/27/20

Case Narrative (continued)

Report Submission

February 27, 2020: This final report includes the results of the PCB analysis performed on L2006705-18 and -19.

February 20, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

Sample Receipt

L2006705-11: The sample identified as "E-129-2.0-2.5" on the chain of custody was identified as "E-128-2.0-2.5" on the container label. At the client's request, the sample is reported as "E-129-2.0-2.5".

PCBs

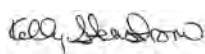
In reference to question 5b:

L2006705-05, -06, -07, -12, -16, -17, -18, and -23: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

L2006705-05, -07, -12, -16, -17, -18, and -23: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Report Date: 02/27/20

Title: Technical Director/Representative

Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006705
Report Date: 02/27/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006705
Report Date: 02/27/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Organics



**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-01	Date Collected : 02/13/20 09:22
Client ID : E-130-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 13:08
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200218a-03	Analyst : CW
Sample Amount : 15.09 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0380	0.00337	U
11104-28-2	Aroclor 1221	ND	0.0380	0.00380	U
11141-16-5	Aroclor 1232	ND	0.0380	0.00805	U
53469-21-9	Aroclor 1242	ND	0.0380	0.00512	U
12672-29-6	Aroclor 1248	ND	0.0380	0.00569	U
11097-69-1	Aroclor 1254	ND	0.0380	0.00415	U
11096-82-5	Aroclor 1260	0.0196	0.0380	0.00701	J
37324-23-5	Aroclor 1262	ND	0.0380	0.00482	U
11100-14-4	Aroclor 1268	ND	0.0380	0.00393	U
1336-36-3	PCBs, Total	0.0196	0.0380	0.00337	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-02	Date Collected : 02/13/20 09:34
Client ID : E-130-2.0-2.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 13:43
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200218a-06	Analyst : CW
Sample Amount : 15.06 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 79
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0418	0.00371	U
11104-28-2	Aroclor 1221	ND	0.0418	0.00419	U
11141-16-5	Aroclor 1232	ND	0.0418	0.00886	U
53469-21-9	Aroclor 1242	ND	0.0418	0.00564	U
12672-29-6	Aroclor 1248	ND	0.0418	0.00627	U
11097-69-1	Aroclor 1254	ND	0.0418	0.00457	U
11096-82-5	Aroclor 1260	0.0378	0.0418	0.00773	J
37324-23-5	Aroclor 1262	ND	0.0418	0.00531	U
11100-14-4	Aroclor 1268	ND	0.0418	0.00433	U
1336-36-3	PCBs, Total	0.0378	0.0418	0.00371	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006705-04	Date Collected	: 02/13/20 10:03
Client ID	: E-132-0.5-1.0	Date Received	: 02/13/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/18/20 13:55
Sample Matrix	: SOIL	Date Extracted	: 02/16/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 16200218a-07	Analyst	: CW
Sample Amount	: 15.36 g	Instrument ID	: PEST16
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 77
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0422	0.00375	U
11104-28-2	Aroclor 1221	ND	0.0422	0.00423	U
11141-16-5	Aroclor 1232	ND	0.0422	0.00895	U
53469-21-9	Aroclor 1242	ND	0.0422	0.00569	U
12672-29-6	Aroclor 1248	ND	0.0422	0.00633	U
11097-69-1	Aroclor 1254	ND	0.0422	0.00462	U
11096-82-5	Aroclor 1260	0.199	0.0422	0.00780	
37324-23-5	Aroclor 1262	ND	0.0422	0.00536	U
11100-14-4	Aroclor 1268	ND	0.0422	0.00437	U
1336-36-3	PCBs, Total	0.199	0.0422	0.00375	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-05D Client ID : E-132-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200218a-26 Sample Amount : 15.87 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 10:35 Date Received : 02/13/20 Date Analyzed : 02/18/20 21:00 Date Extracted : 02/16/20 Dilution Factor : 20 Analyst : CW Instrument ID : PEST16 GC Column : CLP-Pesticide %Solids : 84 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.751	0.0667	U
11104-28-2	Aroclor 1221	ND	0.751	0.0752	U
11141-16-5	Aroclor 1232	ND	0.751	0.159	U
53469-21-9	Aroclor 1242	ND	0.751	0.101	U
12672-29-6	Aroclor 1248	ND	0.751	0.113	U
11097-69-1	Aroclor 1254	ND	0.751	0.0822	U
11096-82-5	Aroclor 1260	4.68	0.751	0.139	
37324-23-5	Aroclor 1262	ND	0.751	0.0954	U
11100-14-4	Aroclor 1268	ND	0.751	0.0778	U
1336-36-3	PCBs, Total	4.68	0.751	0.0667	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-06D	Date Collected : 02/13/20 10:55
Client ID : E-131-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 20:49
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 16200218a-25	Analyst : CW
Sample Amount : 15.88 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 62
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.253	0.0224	U
11104-28-2	Aroclor 1221	ND	0.253	0.0253	U
11141-16-5	Aroclor 1232	ND	0.253	0.0536	U
53469-21-9	Aroclor 1242	ND	0.253	0.0341	U
12672-29-6	Aroclor 1248	ND	0.253	0.0379	U
11097-69-1	Aroclor 1254	ND	0.253	0.0276	U
11096-82-5	Aroclor 1260	1.25	0.253	0.0467	
37324-23-5	Aroclor 1262	ND	0.253	0.0321	U
11100-14-4	Aroclor 1268	ND	0.253	0.0262	U
1336-36-3	PCBs, Total	1.25	0.253	0.0224	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-07D Client ID : E-128-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200218a-27 Sample Amount : 15.47 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 11:32 Date Received : 02/13/20 Date Analyzed : 02/18/20 21:12 Date Extracted : 02/16/20 Dilution Factor : 20 Analyst : CW Instrument ID : PEST16 GC Column : CLP-Pesticide %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.800	0.0710	U
11104-28-2	Aroclor 1221	ND	0.800	0.0802	U
11141-16-5	Aroclor 1232	ND	0.800	0.170	U
53469-21-9	Aroclor 1242	ND	0.800	0.108	U
12672-29-6	Aroclor 1248	ND	0.800	0.120	U
11097-69-1	Aroclor 1254	ND	0.800	0.0875	U
37324-23-5	Aroclor 1262	ND	0.800	0.102	U
11100-14-4	Aroclor 1268	ND	0.800	0.0829	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-07D Client ID : E-128-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200218a-27 Sample Amount : 15.47 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 11:32 Date Received : 02/13/20 Date Analyzed : 02/18/20 21:12 Date Extracted : 02/16/20 Dilution Factor : 20 Analyst : CW Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	2.64	0.800	0.148	
1336-36-3	PCBs, Total	2.64	0.800	0.0710	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-08	Date Collected : 02/13/20 11:44
Client ID : E-128-2.0-2.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 14:42
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200218a-11	Analyst : CW
Sample Amount : 15.28 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0379	0.00336	U
11104-28-2	Aroclor 1221	ND	0.0379	0.00379	U
11141-16-5	Aroclor 1232	ND	0.0379	0.00803	U
53469-21-9	Aroclor 1242	ND	0.0379	0.00510	U
12672-29-6	Aroclor 1248	ND	0.0379	0.00568	U
11097-69-1	Aroclor 1254	ND	0.0379	0.00414	U
37324-23-5	Aroclor 1262	ND	0.0379	0.00481	U
11100-14-4	Aroclor 1268	ND	0.0379	0.00392	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-08 Client ID : E-128-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200218a-11 Sample Amount : 15.28 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 11:44 Date Received : 02/13/20 Date Analyzed : 02/18/20 14:42 Date Extracted : 02/16/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 86 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	ND	0.0379	0.00700	U
1336-36-3	PCBs, Total	ND	0.0379	0.00336	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-10	Date Collected : 02/13/20 12:58
Client ID : E-129-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 14:53
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200218a-12	Analyst : CW
Sample Amount : 15.31 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 82
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0399	0.00354	U
11104-28-2	Aroclor 1221	ND	0.0399	0.00400	U
11141-16-5	Aroclor 1232	ND	0.0399	0.00846	U
53469-21-9	Aroclor 1242	ND	0.0399	0.00538	U
12672-29-6	Aroclor 1248	ND	0.0399	0.00599	U
11097-69-1	Aroclor 1254	ND	0.0399	0.00437	U
11096-82-5	Aroclor 1260	0.0828	0.0399	0.00738	
37324-23-5	Aroclor 1262	ND	0.0399	0.00507	U
11100-14-4	Aroclor 1268	ND	0.0399	0.00414	U
1336-36-3	PCBs, Total	0.0828	0.0399	0.00354	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-11 Client ID : E-129-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200218a-13 Sample Amount : 15.49 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 13:12 Date Received : 02/13/20 Date Analyzed : 02/18/20 15:05 Date Extracted : 02/16/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST16 GC Column : CLP-Pesticide %Solids : 93 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0348	0.00309	U
11104-28-2	Aroclor 1221	ND	0.0348	0.00349	U
11141-16-5	Aroclor 1232	ND	0.0348	0.00738	U
53469-21-9	Aroclor 1242	ND	0.0348	0.00469	U
12672-29-6	Aroclor 1248	ND	0.0348	0.00522	U
11097-69-1	Aroclor 1254	ND	0.0348	0.00381	U
37324-23-5	Aroclor 1262	ND	0.0348	0.00442	U
11100-14-4	Aroclor 1268	ND	0.0348	0.00361	U



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-11 Client ID : E-129-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200218a-13 Sample Amount : 15.49 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 13:12 Date Received : 02/13/20 Date Analyzed : 02/18/20 15:05 Date Extracted : 02/16/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 93 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0939	0.0348	0.00643	
1336-36-3	PCBs, Total	0.0939	0.0348	0.00309	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-12D Client ID : E-133-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200218a-28 Sample Amount : 15.47 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 13:39 Date Received : 02/13/20 Date Analyzed : 02/18/20 21:24 Date Extracted : 02/16/20 Dilution Factor : 20 Analyst : CW Instrument ID : PEST16 GC Column : CLP-Pesticide %Solids : 70 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.927	0.0824	U
11104-28-2	Aroclor 1221	ND	0.927	0.0929	U
11141-16-5	Aroclor 1232	ND	0.927	0.197	U
53469-21-9	Aroclor 1242	ND	0.927	0.125	U
12672-29-6	Aroclor 1248	ND	0.927	0.139	U
11097-69-1	Aroclor 1254	ND	0.927	0.101	U
37324-23-5	Aroclor 1262	ND	0.927	0.118	U
11100-14-4	Aroclor 1268	ND	0.927	0.0961	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-12D Client ID : E-133-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200218a-28 Sample Amount : 15.47 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 13:39 Date Received : 02/13/20 Date Analyzed : 02/18/20 21:24 Date Extracted : 02/16/20 Dilution Factor : 20 Analyst : CW Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 70 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	8.31	0.927	0.171	
1336-36-3	PCBs, Total	8.31	0.927	0.0824	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-13	Date Collected : 02/13/20 13:49
Client ID : E-133-2.0-2.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 15:29
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200218a-15	Analyst : CW
Sample Amount : 15.36 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 78
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0419	0.00372	U
11104-28-2	Aroclor 1221	ND	0.0419	0.00420	U
11141-16-5	Aroclor 1232	ND	0.0419	0.00888	U
53469-21-9	Aroclor 1242	ND	0.0419	0.00565	U
12672-29-6	Aroclor 1248	ND	0.0419	0.00628	U
11097-69-1	Aroclor 1254	ND	0.0419	0.00458	U
37324-23-5	Aroclor 1262	ND	0.0419	0.00532	U
11100-14-4	Aroclor 1268	ND	0.0419	0.00434	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-13 Client ID : E-133-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200218a-15 Sample Amount : 15.36 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 13:49 Date Received : 02/13/20 Date Analyzed : 02/18/20 15:29 Date Extracted : 02/16/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 78 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.221	0.0419	0.00774	
1336-36-3	PCBs, Total	0.221	0.0419	0.00372	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-16D	Date Collected : 02/13/20 14:38
Client ID : E-136-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 21:47
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 100
Lab File ID : 16200218a-30	Analyst : CW
Sample Amount : 15.12 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 61
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	5.38	0.478	U
11104-28-2	Aroclor 1221	ND	5.38	0.540	U
11141-16-5	Aroclor 1232	ND	5.38	1.14	U
53469-21-9	Aroclor 1242	ND	5.38	0.726	U
12672-29-6	Aroclor 1248	ND	5.38	0.808	U
11097-69-1	Aroclor 1254	ND	5.38	0.589	U
37324-23-5	Aroclor 1262	ND	5.38	0.684	U
11100-14-4	Aroclor 1268	ND	5.38	0.558	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-16D Client ID : E-136-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200218a-30 Sample Amount : 15.12 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 14:38 Date Received : 02/13/20 Date Analyzed : 02/18/20 21:47 Date Extracted : 02/16/20 Dilution Factor : 100 Analyst : CW Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 61 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	24.4	5.38	0.995	
1336-36-3	PCBs, Total	24.4	5.38	0.478	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-17D	Date Collected : 02/13/20 14:43
Client ID : E-136-2.0-2.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 21:36
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 16200218a-29	Analyst : CW
Sample Amount : 15.08 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 84
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.791	0.0703	U
11104-28-2	Aroclor 1221	ND	0.791	0.0793	U
11141-16-5	Aroclor 1232	ND	0.791	0.168	U
53469-21-9	Aroclor 1242	ND	0.791	0.107	U
12672-29-6	Aroclor 1248	ND	0.791	0.119	U
11097-69-1	Aroclor 1254	ND	0.791	0.0866	U
11096-82-5	Aroclor 1260	6.40	0.791	0.146	
37324-23-5	Aroclor 1262	ND	0.791	0.100	U
11100-14-4	Aroclor 1268	ND	0.791	0.0820	U
1336-36-3	PCBs, Total	6.40	0.791	0.0703	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-18D Client ID : E-136-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200225a-35 Sample Amount : 15.17 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 15:11 Date Received : 02/13/20 Date Analyzed : 02/25/20 22:19 Date Extracted : 02/25/20 Dilution Factor : 20 Analyst : AWS Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 83 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.792	0.0704	U
11104-28-2	Aroclor 1221	ND	0.792	0.0794	U
11141-16-5	Aroclor 1232	ND	0.792	0.168	U
53469-21-9	Aroclor 1242	ND	0.792	0.107	U
12672-29-6	Aroclor 1248	ND	0.792	0.119	U
11097-69-1	Aroclor 1254	ND	0.792	0.0867	U
11096-82-5	Aroclor 1260	2.90	0.792	0.146	
37324-23-5	Aroclor 1262	ND	0.792	0.101	U
11100-14-4	Aroclor 1268	ND	0.792	0.0821	U
1336-36-3	PCBs, Total	2.90	0.792	0.0704	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-19	Date Collected : 02/13/20 15:20
Client ID : E-136-4.0-4.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 13:09
Sample Matrix : SOIL	Date Extracted : 02/25/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200225a-11	Analyst : AWS
Sample Amount : 15.2 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0368	0.00327	U
11104-28-2	Aroclor 1221	ND	0.0368	0.00369	U
11141-16-5	Aroclor 1232	ND	0.0368	0.00780	U
53469-21-9	Aroclor 1242	ND	0.0368	0.00496	U
12672-29-6	Aroclor 1248	ND	0.0368	0.00552	U
11097-69-1	Aroclor 1254	ND	0.0368	0.00402	U
11096-82-5	Aroclor 1260	0.0674	0.0368	0.00680	
37324-23-5	Aroclor 1262	ND	0.0368	0.00467	U
11100-14-4	Aroclor 1268	ND	0.0368	0.00381	U
1336-36-3	PCBs, Total	0.0674	0.0368	0.00327	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-20	Date Collected : 02/13/20 15:47
Client ID : E-137-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 16:04
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200218a-18	Analyst : CW
Sample Amount : 15.41 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 77
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0422	0.00375	U
11104-28-2	Aroclor 1221	ND	0.0422	0.00423	U
11141-16-5	Aroclor 1232	ND	0.0422	0.00896	U
53469-21-9	Aroclor 1242	ND	0.0422	0.00570	U
12672-29-6	Aroclor 1248	ND	0.0422	0.00634	U
11097-69-1	Aroclor 1254	ND	0.0422	0.00462	U
37324-23-5	Aroclor 1262	ND	0.0422	0.00536	U
11100-14-4	Aroclor 1268	ND	0.0422	0.00438	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-20 Client ID : E-137-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200218a-18 Sample Amount : 15.41 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 15:47 Date Received : 02/13/20 Date Analyzed : 02/18/20 16:04 Date Extracted : 02/16/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 77 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0159	0.0422	0.00781	J
1336-36-3	PCBs, Total	0.0159	0.0422	0.00375	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-21	Date Collected : 02/13/20 15:54
Client ID : E-137-2.0-2.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 16:16
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200218a-19	Analyst : CW
Sample Amount : 15.24 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 84
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0390	0.00346	U
11104-28-2	Aroclor 1221	ND	0.0390	0.00391	U
11141-16-5	Aroclor 1232	ND	0.0390	0.00827	U
53469-21-9	Aroclor 1242	ND	0.0390	0.00526	U
12672-29-6	Aroclor 1248	ND	0.0390	0.00585	U
11097-69-1	Aroclor 1254	ND	0.0390	0.00427	U
37324-23-5	Aroclor 1262	ND	0.0390	0.00495	U
11100-14-4	Aroclor 1268	ND	0.0390	0.00404	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006705-21	Date Collected	: 02/13/20 15:54
Client ID	: E-137-2.0-2.5	Date Received	: 02/13/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/18/20 16:16
Sample Matrix	: SOIL	Date Extracted	: 02/16/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 16200218a-19	Analyst	: CW
Sample Amount	: 15.24 g	Instrument ID	: PEST16
Extraction Method	: EPA 3546	GC Column	: CLP-PesticideII
Extract Volume	: 5000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0213	0.0390	0.00721	J
1336-36-3	PCBs, Total	0.0213	0.0390	0.00346	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-23D	Date Collected : 02/13/20 00:00
Client ID : X-6-02132020	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 21:59
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 100
Lab File ID : 16200218a-31	Analyst : CW
Sample Amount : 15.18 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 61
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	5.37	0.477	U
11104-28-2	Aroclor 1221	ND	5.37	0.538	U
11141-16-5	Aroclor 1232	ND	5.37	1.14	U
53469-21-9	Aroclor 1242	ND	5.37	0.724	U
12672-29-6	Aroclor 1248	ND	5.37	0.806	U
11097-69-1	Aroclor 1254	ND	5.37	0.588	U
37324-23-5	Aroclor 1262	ND	5.37	0.682	U
11100-14-4	Aroclor 1268	ND	5.37	0.557	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-23D Client ID : X-6-02132020 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200218a-31 Sample Amount : 15.18 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 00:00 Date Received : 02/13/20 Date Analyzed : 02/18/20 21:59 Date Extracted : 02/16/20 Dilution Factor : 100 Analyst : CW Instrument ID : PEST16 GC Column : CLP-PesticideII %Solids : 61 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	22.3	5.37	0.993	
1336-36-3	PCBs, Total	22.3	5.37	0.477	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : L2006705-24 Client ID : EB-6-02132020 Sample Location : TRENTON, NJ Sample Matrix : WATER Analytical Method : 1,8082A Lab File ID : P2200217a-39 Sample Amount : 140 ml Extraction Method : EPA 3510C Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : 02/13/20 16:40 Date Received : 02/13/20 Date Analyzed : 02/18/20 02:40 Date Extracted : 02/16/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST2 GC Column : CLP-Pesticide %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1341196-1	Date Collected : NA
Client ID : WG1341196-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/17/20 16:34
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200217a-04	Analyst : CW
Sample Amount : 15.61 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0320	0.00284	U
11104-28-2	Aroclor 1221	ND	0.0320	0.00321	U
11141-16-5	Aroclor 1232	ND	0.0320	0.00679	U
53469-21-9	Aroclor 1242	ND	0.0320	0.00432	U
12672-29-6	Aroclor 1248	ND	0.0320	0.00480	U
11097-69-1	Aroclor 1254	ND	0.0320	0.00350	U
11096-82-5	Aroclor 1260	ND	0.0320	0.00592	U
37324-23-5	Aroclor 1262	ND	0.0320	0.00407	U
11100-14-4	Aroclor 1268	ND	0.0320	0.00332	U
1336-36-3	PCBs, Total	ND	0.0320	0.00284	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1341196-5	Date Collected : 02/13/20 09:22
Client ID : E-130-0.5-1.0DUP	Date Received : 02/13/20
Sample Location :	Date Analyzed : 02/18/20 13:31
Sample Matrix : SOIL	Date Extracted : 02/16/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200218a-05	Analyst : CW
Sample Amount : 15.58 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0368	0.003	U
11104-28-2	Aroclor 1221	ND	0.0368	0.004	U
11141-16-5	Aroclor 1232	ND	0.0368	0.008	U
53469-21-9	Aroclor 1242	ND	0.0368	0.005	U
12672-29-6	Aroclor 1248	ND	0.0368	0.006	U
11097-69-1	Aroclor 1254	ND	0.0368	0.004	U
11096-82-5	Aroclor 1260	0.0165	0.0368	0.007	J
37324-23-5	Aroclor 1262	ND	0.0368	0.005	U
11100-14-4	Aroclor 1268	ND	0.0368	0.004	U
1336-36-3	PCBs, Total	0.0165	0.0368	0.003	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: WG1341251-1	Date Collected	: NA
Client ID	: WG1341251-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/18/20 02:53
Sample Matrix	: WATER	Date Extracted	: 02/16/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: P2200217a-40	Analyst	: AWS
Sample Amount	: 140 ml	Instrument ID	: PEST2
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK EAST BARRACKS Lab ID : WG1341251-1 Client ID : WG1341251-1BLANK Sample Location : Sample Matrix : WATER Analytical Method : 1,8082A Lab File ID : P2200217a-40 Sample Amount : 140 ml Extraction Method : EPA 3510C Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006705 Project Number : 277710568.0008.06 Date Collected : NA Date Received : NA Date Analyzed : 02/18/20 02:53 Date Extracted : 02/16/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST2 GC Column : CLP-PesticideII %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1343995-1	Date Collected : NA
Client ID : WG1343995-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/25/20 12:15
Sample Matrix : SOIL	Date Extracted : 02/25/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200225a-03	Analyst : AWS
Sample Amount : 15.29 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0327	0.00290	U
11104-28-2	Aroclor 1221	ND	0.0327	0.00328	U
11141-16-5	Aroclor 1232	ND	0.0327	0.00693	U
53469-21-9	Aroclor 1242	ND	0.0327	0.00441	U
12672-29-6	Aroclor 1248	ND	0.0327	0.00490	U
11097-69-1	Aroclor 1254	ND	0.0327	0.00358	U
11096-82-5	Aroclor 1260	ND	0.0327	0.00604	U
37324-23-5	Aroclor 1262	ND	0.0327	0.00415	U
11100-14-4	Aroclor 1268	ND	0.0327	0.00339	U
1336-36-3	PCBs, Total	ND	0.0327	0.00290	U



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1341196-1	Lab File ID : P7200217a-04
Matrix : SOIL	Extraction Date : 02/16/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/17/20 16:34	Analysis Date (2) : 02/17/20 16:34
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
E-130-0.5-1.0	L2006705-01	02/18/20 13:08	02/18/20 13:08
E-130-0.5-1.0MS	WG1341196-4	02/18/20 13:19	02/18/20 13:19
E-130-0.5-1.0DUP	WG1341196-5	02/18/20 13:31	02/18/20 13:31
E-130-2.0-2.5	L2006705-02	02/18/20 13:43	02/18/20 13:43
E-132-0.5-1.0	L2006705-04	02/18/20 13:55	02/18/20 13:55
E-128-2.0-2.5	L2006705-08	02/18/20 14:42	02/18/20 14:42
E-129-0.5-1.0	L2006705-10	02/18/20 14:53	02/18/20 14:53
E-129-2.0-2.5	L2006705-11	02/18/20 15:05	02/18/20 15:05
E-133-2.0-2.5	L2006705-13	02/18/20 15:29	02/18/20 15:29
E-137-0.5-1.0	L2006705-20	02/18/20 16:04	02/18/20 16:04
E-137-2.0-2.5	L2006705-21	02/18/20 16:16	02/18/20 16:16
WG1341196-2LCS	WG1341196-2	02/18/20 16:39	02/18/20 16:39
WG1341196-3LCSD	WG1341196-3	02/18/20 16:51	02/18/20 16:51
E-131-0.5-1.0	L2006705-06D	02/18/20 20:49	02/18/20 20:49
E-132-2.0-2.5	L2006705-05D	02/18/20 21:00	02/18/20 21:00
E-128-0.5-1.0	L2006705-07D	02/18/20 21:12	02/18/20 21:12
E-133-0.5-1.0	L2006705-12D	02/18/20 21:24	02/18/20 21:24
E-136-2.0-2.5	L2006705-17D	02/18/20 21:36	02/18/20 21:36
E-136-0.5-1.0	L2006705-16D	02/18/20 21:47	02/18/20 21:47
X-6-02132020	L2006705-23D	02/18/20 21:59	02/18/20 21:59



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1341251-1	Lab File ID : P2200217a-40
Matrix : WATER	Extraction Date : 02/16/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/18/20 02:53	Analysis Date (2) : 02/18/20 02:53
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
EB-6-02132020	L2006705-24	02/18/20 02:40	02/18/20 02:40
WG1341251-2LCS	WG1341251-2	02/18/20 03:07	02/18/20 03:07
WG1341251-3LCSD	WG1341251-3	02/18/20 03:21	02/18/20 03:21



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1343995-1	Lab File ID : 23200225a-03
Matrix : SOIL	Extraction Date : 02/25/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/25/20 12:15	Analysis Date (2) : 02/25/20 12:15
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1343995-2LCS	WG1343995-2	02/25/20 12:21	02/25/20 12:21
WG1343995-3LCSD	WG1343995-3	02/25/20 12:28	02/25/20 12:28
E-136-4.0-4.5	L2006705-19	02/25/20 13:09	02/25/20 13:09
E-136-3.0-3.5	L2006705-18D	02/25/20 22:19	02/25/20 22:19



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.473	1.290	1.250	1.210	1.137	1.021	1.230	12.37
3) s Decachlorobiphenyl	1.026	0.864	0.827	0.777	0.743	0.662	0.817	15.21
4) 11 1016-1	0.029	0.025	0.023	0.021	0.019	0.017	0.022	18.43
5) 11 1016-2	0.063	0.053	0.049	0.045	0.041	0.036	0.048	19.80
6) 11 1016-3	0.124	0.108	0.104	0.099	0.093	0.083	0.102	13.64
7) 11 1016-4	0.053	0.048	0.043	0.040	0.038	0.034	0.043	15.82
8) 11 1016-5	0.056	0.049	0.046	0.043	0.041	0.037	0.045	14.66
9) 12 1260-1	0.075	0.064	0.060	0.057	0.054	0.049	0.060	14.99
10) 12 1260-2	0.111	0.096	0.091	0.086	0.082	0.073	0.090	14.56
11) 12 1260-3	0.062	0.059	0.056	0.053	0.052	0.047	0.055	9.75
12) 12 1260-4	0.146	0.130	0.125	0.120	0.114	0.098	0.122	13.22
13) 12 1260-5	0.100	0.088	0.085	0.080	0.079	0.072	0.084	11.45
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.014	0.013	0.012	0.011	0.010	0.012	14.08
16) 13 1221-3	0.010	0.009	0.008	0.007	0.007	0.006	0.008	16.46
17) 13 1221-4	0.037	0.031	0.029	0.026	0.024	0.022	0.028	19.89
18) 14 1254-1	0.055	0.046	0.044	0.041	0.039	0.036	0.043	15.13
19) 14 1254-2	0.097	0.081	0.077	0.072	0.068	0.063	0.076	15.79
20) 14 1254-3	0.090	0.077	0.074	0.070	0.066	0.061	0.073	13.58
21) 14 1254-4	0.068	0.062	0.058	0.056	0.053	0.049	0.058	11.79
22) 14 1254-5	0.094	0.080	0.077	0.074	0.070	0.066	0.077	12.65
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.018	0.016	0.015	0.014	0.012	0.016	16.30
25) 16 1242-2	0.043	0.037	0.035	0.031	0.029	0.027	0.034	17.65
26) 16 1242-3	0.085	0.077	0.074	0.069	0.068	0.062	0.073	11.36
27) 16 1242-4	0.039	0.037	0.034	0.032	0.030	0.028	0.034	11.86
28) 16 1242-5	0.028	0.026	0.025	0.024	0.023	0.021	0.024	9.69
29) 19 1268-1	0.164	0.145	0.141	0.131	0.121	0.105	0.135	15.17
30) 19 1268-2	0.162	0.148	0.141	0.132	0.123	0.110	0.136	13.59
31) 19 1268-3	0.108	0.098	0.094	0.088	0.083	0.076	0.091	12.44
32) 19 1268-4	0.053	0.048	0.047	0.044	0.043	0.040	0.046	9.66
33) 19 1268-5	0.292	0.267	0.255	0.234	0.212	0.179	0.240	16.83
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.027	0.027	0.025	0.024	0.022	0.026	12.33
36) 17 1248-2	0.044	0.036	0.036	0.033	0.032	0.027	0.035	16.84



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.064	0.061	0.054	0.051	0.049	0.044	0.054	13.95
38) 17 1248-4	0.057	0.051	0.048	0.045	0.044	0.040	0.047	12.58
39) 17 1248-5	0.047	0.043	0.041	0.039	0.038	0.035	0.040	11.04
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.025	0.023	0.020	0.019	0.017	0.022	20.00
42) 15 1232-2	0.028	0.024	0.022	0.019	0.019	0.017	0.021	19.01
43) 15 1232-3	0.053	0.048	0.045	0.042	0.041	0.038	0.044	12.42
44) 15 1232-4	0.022	0.021	0.020	0.017	0.018	0.017	0.019	11.95
45) 15 1232-5	0.017	0.015	0.014	0.013	0.013	0.012	0.014	14.33
46) 18 1262-1	0.074	0.063	0.058	0.053	0.052	0.048	0.058	16.15
47) 18 1262-2	0.086	0.075	0.070	0.066	0.063	0.057	0.070	14.64
48) 18 1262-3	0.074	0.066	0.062	0.059	0.056	0.052	0.062	12.83
49) 18 1262-4	0.147	0.133	0.125	0.117	0.111	0.099	0.122	13.81
50) 18 1262-5	0.046	0.043	0.040	0.038	0.036	0.034	0.040	10.81



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.381	1.232	1.206	1.198	1.168	1.071	1.209	8.34
3) s Decachlorobip	0.882	0.739	0.722	0.700	0.682	0.636	0.727	11.55
4) 11 1016-1	0.027	0.024	0.022	0.020	0.019	0.018	0.022	15.75
5) 11 1016-2	0.059	0.051	0.047	0.044	0.042	0.039	0.047	15.56
6) 11 1016-3	0.113	0.099	0.094	0.091	0.091	0.084	0.095	10.57
7) 11 1016-4	0.044	0.038	0.036	0.034	0.033	0.031	0.036	12.33
8) 11 1016-5	0.036	0.031	0.029	0.028	0.027	0.025	0.029	13.42
9) 12 1260-1	0.069	0.058	0.053	0.051	0.050	0.047	0.054	14.48
10) 12 1260-2	0.078	0.066	0.061	0.059	0.058	0.054	0.063	13.09
11) 12 1260-3	0.061	0.053	0.050	0.049	0.048	0.045	0.051	10.80
12) 12 1260-4	0.122	0.108	0.104	0.103	0.101	0.093	0.105	9.18
13) 12 1260-5	0.088	0.075	0.072	0.070	0.070	0.066	0.074	10.50
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.016	0.013	0.012	0.011	0.010	0.010	0.012	16.89
16) 13 1221-3	0.009	0.008	0.008	0.007	0.007	0.006	0.008	14.40
17) 13 1221-4	0.035	0.030	0.028	0.026	0.024	0.022	0.027	15.95
18) 14 1254-1	0.053	0.044	0.041	0.039	0.038	0.036	0.042	13.97
19) 14 1254-2	0.063	0.050	0.047	0.045	0.043	0.041	0.048	16.16
20) 14 1254-3	0.090	0.077	0.072	0.070	0.067	0.064	0.073	12.70
21) 14 1254-4	0.060	0.050	0.048	0.046	0.045	0.043	0.049	12.53
22) 14 1254-5	0.081	0.069	0.065	0.063	0.061	0.059	0.066	11.77
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.017	0.016	0.014	0.013	0.012	0.015	16.00
25) 16 1242-2	0.042	0.037	0.034	0.031	0.030	0.028	0.034	15.54
26) 16 1242-3	0.078	0.070	0.068	0.066	0.063	0.060	0.067	9.13
27) 16 1242-4	0.025	0.023	0.022	0.020	0.020	0.019	0.021	11.23
28) 16 1242-5	0.025	0.023	0.021	0.020	0.019	0.018	0.021	10.92
29) 19 1268-1	0.142	0.125	0.121	0.117	0.113	0.103	0.120	10.81
30) 19 1268-2	0.142	0.126	0.121	0.118	0.115	0.106	0.121	9.84
31) 19 1268-3	0.096	0.083	0.080	0.078	0.076	0.072	0.081	10.46
32) 19 1268-4	0.048	0.044	0.041	0.039	0.038	0.037	0.041	10.31
33) 19 1268-5	0.248	0.239	0.228	0.219	0.206	0.181	0.220	11.03
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.026	0.024	0.023	0.023	0.021	0.024	10.31
36) 17 1248-2	0.036	0.032	0.029	0.027	0.026	0.025	0.029	14.43



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.044	0.039	0.036	0.034	0.033	0.031	0.036	12.89
38) 17 1248-4	0.048	0.042	0.040	0.038	0.037	0.035	0.040	11.61
39) 17 1248-5	0.053	0.047	0.044	0.042	0.041	0.039	0.045	11.42
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.027	0.024	0.022	0.019	0.019	0.017	0.021	17.41
42) 15 1232-2	0.027	0.025	0.022	0.020	0.019	0.017	0.022	17.37
43) 15 1232-3	0.049	0.045	0.041	0.038	0.038	0.036	0.041	11.60
44) 15 1232-4	0.015	0.014	0.012	0.011	0.011	0.010	0.012	14.64
45) 15 1232-5	0.014	0.013	0.012	0.011	0.011	0.010	0.012	14.30
46) 18 1262-1	0.057	0.046	0.042	0.040	0.039	0.037	0.044	16.49
47) 18 1262-2	0.074	0.062	0.057	0.053	0.055	0.050	0.059	14.39
48) 18 1262-3	0.066	0.057	0.053	0.052	0.051	0.048	0.055	11.60
49) 18 1262-4	0.123	0.107	0.101	0.098	0.097	0.089	0.102	11.26
50) 18 1262-5	0.044	0.038	0.036	0.034	0.034	0.033	0.036	11.21



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006705
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST2 **Ical Ref** : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVIIi-17.d 2 =P2190806LVIIi-03.d 3 =P2190806LVIIi-04.d 4 =P2190806LVIIi-08.d
 5 =P2190806LVIIi-06.d 6 =P2190806LVIIi-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.580	1.358	1.329	1.239	1.126	1.195	1.305	12.25
3) s Decachlorobiphenyl	1.366	1.092	1.055	0.972	0.874	0.920	1.047	16.84
4) 11 1016-1	0.030	0.027	0.026	0.023	0.020	0.021	0.025	15.05
5) 11 1016-2	0.063	0.058	0.056	0.049	0.043	0.045	0.052	14.74
6) 11 1016-3	0.132	0.115	0.110	0.100	0.090	0.094	0.107	14.46
7) 11 1016-4	0.058	0.050	0.047	0.042	0.037	0.038	0.045	17.00
8) 11 1016-5	0.057	0.052	0.050	0.045	0.039	0.040	0.047	14.50
9) 12 1260-1	0.082	0.071	0.068	0.061	0.055	0.057	0.066	15.59
10) 12 1260-2	0.123	0.106	0.102	0.092	0.084	0.087	0.099	14.62
11) 12 1260-3	0.078	0.071	0.066	0.060	0.054	0.058	0.064	14.14
12) 12 1260-4	0.160	0.144	0.139	0.128	0.118	0.124	0.136	11.47
13) 12 1260-5	0.093	0.111	0.107	0.097	0.089	0.091	0.098	9.07
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.020	0.017	0.015	0.015	0.013	0.012	0.015	17.65
16) 13 1221-3	0.011	0.011	0.010	0.010	0.008	0.008	0.010	13.69
17) 13 1221-4	0.042	0.038	0.034	0.033	0.029	0.027	0.034	16.48
18) 14 1254-1	0.062	0.055	0.049	0.047	0.042	0.040	0.049	16.73
19) 14 1254-2	0.106	0.096	0.086	0.083	0.073	0.071	0.086	15.76
20) 14 1254-3	0.110	0.090	0.082	0.080	0.072	0.070	0.084	17.30
21) 14 1254-4	0.083	0.072	0.065	0.063	0.057	0.055	0.066	15.49
22) 14 1254-5	0.118	0.101	0.092	0.089	0.079	0.077	0.093	16.35
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.025	0.022	0.021	0.018	0.017	0.015	0.020	18.24
25) 16 1242-2	0.055	0.048	0.044	0.039	0.036	0.033	0.042	18.86
26) 16 1242-3	0.111	0.093	0.087	0.077	0.075	0.070	0.086	17.57
27) 16 1242-4	0.050	0.043	0.041	0.037	0.035	0.031	0.039	16.54
28) 16 1242-5	0.037	0.031	0.030	0.026	0.025	0.023	0.029	17.46
29) 19 1268-1	0.229	0.190	0.181	0.166	0.163	0.151	0.180	15.35
30) 19 1268-2	0.231	0.194	0.186	0.168	0.166	0.153	0.183	15.09
31) 19 1268-3	0.160	0.133	0.126	0.115	0.113	0.105	0.125	15.67
32) 19 1268-4	0.089	0.068	0.065	0.059	0.057	0.053	0.065	19.71
33) 19 1268-5	0.421	0.356	0.348	0.321	0.319	0.290	0.343	13.13
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.043	0.039	0.036	0.033	0.030	0.029	0.035	16.12
36) 17 1248-2	0.049	0.048	0.044	0.039	0.036	0.034	0.042	14.96



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.078	0.073	0.065	0.060	0.058	0.070	16.34
38) 17 1248-4	0.071	0.067	0.061	0.057	0.052	0.050	0.060	13.60
39) 17 1248-5	0.062	0.061	0.055	0.049	0.046	0.044	0.053	14.64
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.030	0.029	0.027	0.024	0.022	0.021	0.025	15.00
42) 15 1232-2	0.028	0.028	0.026	0.023	0.021	0.020	0.024	13.93
43) 15 1232-3	0.059	0.055	0.052	0.046	0.044	0.043	0.050	12.96
44) 15 1232-4	0.024	0.024	0.022	0.020	0.019	0.018	0.021	11.43
45) 15 1232-5	0.016	0.018	0.016	0.014	0.014	0.013	0.015	12.09
46) 18 1262-1	0.081	0.072	0.069	0.061	0.059	0.056	0.066	14.22
47) 18 1262-2	0.107	0.090	0.084	0.074	0.072	0.068	0.083	17.55
48) 18 1262-3	0.087	0.080	0.077	0.069	0.068	0.064	0.074	11.54
49) 18 1262-4	0.169	0.150	0.144	0.133	0.131	0.125	0.142	11.28
50) 18 1262-5	0.060	0.057	0.054	0.049	0.047	0.044	0.052	11.69



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.481	1.319	1.295	1.217	1.125	1.224	1.277	9.48
3) s Decachlorobip	1.275	1.122	1.094	1.019	0.936	1.017	1.077	10.84
4) 11 1016-1	0.028	0.025	0.025	0.022	0.020	0.021	0.023	13.02
5) 11 1016-2	0.056	0.057	0.056	0.048	0.043	0.045	0.051	11.93
6) 11 1016-3	0.116	0.106	0.108	0.098	0.089	0.096	0.102	9.45
7) 11 1016-4	0.046	0.044	0.045	0.039	0.034	0.036	0.041	11.95
8) 11 1016-5	0.036	0.036	0.035	0.032	0.028	0.030	0.033	10.17
9) 12 1260-1	0.075	0.071	0.070	0.065	0.059	0.063	0.067	9.23
10) 12 1260-2	0.090	0.082	0.082	0.076	0.069	0.074	0.079	9.36
11) 12 1260-3	0.075	0.074	0.072	0.066	0.061	0.065	0.069	8.28
12) 12 1260-4	0.167	0.150	0.147	0.138	0.128	0.139	0.145	9.27
13) 12 1260-5	0.113	0.106	0.104	0.097	0.088	0.095	0.101	8.80
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.016	0.014	0.014	0.012	0.011	0.014	11.49
16) 13 1221-3	0.009	0.010	0.009	0.009	0.008	0.007	0.009	11.04
17) 13 1221-4	0.034	0.035	0.032	0.033	0.029	0.027	0.031	10.09
18) 14 1254-1	0.064	0.056	0.053	0.052	0.047	0.045	0.053	12.85
19) 14 1254-2	0.071	0.066	0.062	0.060	0.054	0.051	0.061	12.28
20) 14 1254-3	0.103	0.088	0.081	0.082	0.074	0.072	0.083	13.26
21) 14 1254-4	0.074	0.065	0.060	0.060	0.054	0.052	0.061	12.82
22) 14 1254-5	0.116	0.099	0.091	0.092	0.082	0.079	0.093	14.34
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.021	0.019	0.017	0.016	0.015	0.018	12.72
25) 16 1242-2	0.048	0.044	0.042	0.039	0.035	0.033	0.040	13.60
26) 16 1242-3	0.098	0.087	0.083	0.076	0.072	0.069	0.081	13.09
27) 16 1242-4	0.031	0.029	0.028	0.026	0.024	0.023	0.027	11.68
28) 16 1242-5	0.032	0.031	0.029	0.026	0.024	0.023	0.028	13.65
29) 19 1268-1	0.223	0.199	0.188	0.180	0.173	0.166	0.188	10.92
30) 19 1268-2	0.221	0.216	0.191	0.181	0.175	0.167	0.192	11.50
31) 19 1268-3	0.155	0.135	0.129	0.123	0.119	0.114	0.129	11.34
32) 19 1268-4	0.076	0.071	0.067	0.063	0.059	0.057	0.065	10.84
33) 19 1268-5	0.427	0.373	0.365	0.355	0.344	0.324	0.365	9.61
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.034	0.032	0.029	0.029	0.033	12.92
36) 17 1248-2	0.047	0.044	0.041	0.038	0.036	0.034	0.040	12.71



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.056	0.052	0.049	0.045	0.044	0.051	10.97
38) 17 1248-4	0.061	0.063	0.058	0.054	0.051	0.050	0.056	9.27
39) 17 1248-5	0.069	0.070	0.064	0.060	0.057	0.056	0.063	9.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.027	0.025	0.023	0.021	0.021	0.024	13.92
42) 15 1232-2	0.030	0.026	0.026	0.023	0.022	0.021	0.024	13.66
43) 15 1232-3	0.052	0.051	0.048	0.044	0.042	0.041	0.046	10.00
44) 15 1232-4	0.015	0.015	0.015	0.014	0.014	0.013	0.014	7.89
45) 15 1232-5	0.016	0.015	0.015	0.014	0.014	0.013	0.014	8.16
46) 18 1262-1	0.060	0.060	0.058	0.053	0.053	0.050	0.055	7.71
47) 18 1262-2	0.090	0.087	0.082	0.075	0.074	0.071	0.080	9.98
48) 18 1262-3	0.082	0.080	0.080	0.072	0.072	0.068	0.076	7.32
49) 18 1262-4	0.160	0.150	0.149	0.138	0.138	0.132	0.144	6.99
50) 18 1262-5	0.058	0.059	0.054	0.050	0.048	0.047	0.053	10.11



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST16	Ical Ref	: ICAL16473
Calibration dates	: 01/29/20 19:58 01/30/20 22:51		

Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.194	1.129	1.148	1.145	1.181	1.188	1.164	2.31
3) s Decachlorobiphenyl	0.914	0.819	0.823	0.765	0.781	0.805	0.818	6.36
4) 11 1016-1	0.024	0.020	0.019	0.017	0.017	0.016	0.019	14.72
5) 11 1016-2	0.050	0.041	0.040	0.038	0.037	0.036	0.040	12.94
6) 11 1016-3	0.101	0.091	0.089	0.087	0.086	0.086	0.090	6.59
7) 11 1016-4	0.043	0.037	0.036	0.034	0.034	0.033	0.036	10.09
8) 11 1016-5	0.045	0.039	0.038	0.035	0.036	0.037	0.039	9.31
9) 12 1260-1	0.067	0.056	0.055	0.052	0.053	0.053	0.056	9.86
10) 12 1260-2	0.100	0.087	0.086	0.080	0.081	0.083	0.086	8.44
11) 12 1260-3	0.061	0.054	0.054	0.050	0.052	0.053	0.054	6.62
12) 12 1260-4	0.137	0.125	0.128	0.120	0.121	0.123	0.126	4.89
13) 12 1260-5	0.091	0.081	0.082	0.077	0.079	0.083	0.082	5.60
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.013	0.013	0.010	0.010	0.011		0.011	11.66
16) 13 1221-3	0.008	0.008	0.006	0.006	0.006		0.007	14.26
17) 13 1221-4	0.030	0.030	0.024	0.023	0.024		0.026	13.18
18) 14 1254-1	0.046	0.045	0.037	0.037	0.041	0.038	0.041	9.87
19) 14 1254-2	0.081	0.080	0.065	0.066	0.073	0.066	0.072	9.87
20) 14 1254-3	0.077	0.080	0.066	0.069	0.076	0.068	0.073	7.87
21) 14 1254-4	0.060	0.062	0.050	0.053	0.059	0.054	0.056	7.89
22) 14 1254-5	0.080	0.083	0.067	0.072	0.080	0.073	0.076	8.18
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.013	0.015	13.62
25) 16 1242-2	0.039	0.033	0.032	0.030	0.029	0.029	0.032	12.23
26) 16 1242-3	0.075	0.069	0.070	0.069	0.069	0.067	0.070	4.10
27) 16 1242-4	0.035	0.032	0.031	0.030	0.030	0.030	0.031	6.42
28) 16 1242-5	0.027	0.023	0.023	0.023	0.023	0.023	0.024	6.86
29) 19 1268-1	0.167	0.158	0.155	0.150	0.149	0.141	0.153	5.72
30) 19 1268-2	0.169	0.156	0.155	0.154	0.153	0.149	0.156	4.43
31) 19 1268-3	0.110	0.099	0.099	0.100	0.100	0.100	0.101	4.34
32) 19 1268-4	0.055	0.049	0.047	0.048	0.049	0.050	0.050	5.26
33) 19 1268-5	0.315	0.295	0.290	0.286	0.277	0.260	0.287	6.36
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.024	0.024	0.022	0.025	0.022	0.024	9.72
36) 17 1248-2	0.039	0.033	0.032	0.029	0.032	0.029	0.032	11.87



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST16	Ical Ref	: ICAL16473
Calibration dates	: 01/29/20 19:58 01/30/20 22:51		

Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.051	0.049	0.045	0.050	0.045	0.050	9.61
38) 17 1248-4	0.052	0.045	0.044	0.042	0.047	0.041	0.045	8.78
39) 17 1248-5	0.042	0.038	0.037	0.035	0.039	0.035	0.038	7.09
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.025	0.023	0.021	0.020	0.019	0.017	0.021	13.76
42) 15 1232-2	0.023	0.021	0.020	0.019	0.018	0.017	0.020	11.36
43) 15 1232-3	0.045	0.046	0.042	0.042	0.043	0.039	0.043	5.48
44) 15 1232-4	0.020	0.019	0.017	0.017	0.017	0.016	0.018	9.18
45) 15 1232-5	0.015	0.014	0.013	0.013	0.013	0.012	0.013	9.53
46) 18 1262-1	0.066	0.063	0.057	0.058	0.059	0.053	0.059	7.58
47) 18 1262-2	0.081	0.079	0.071	0.073	0.073	0.066	0.074	7.40
48) 18 1262-3	0.072	0.070	0.064	0.066	0.067	0.060	0.067	6.37
49) 18 1262-4	0.145	0.148	0.135	0.138	0.140	0.123	0.138	6.27
50) 18 1262-5	0.045	0.043	0.039	0.041	0.042	0.039	0.041	5.63



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST16	Ical Ref	: ICAL16473
Calibration dates	: 01/29/20 19:58 01/30/20 22:51		

Signal #2 Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.253	1.118	1.120	1.107	1.088	1.079	1.128	5.64
3) s Decachlorobip	0.732	0.629	0.628	0.593	0.589	0.621	0.632	8.22
4) 11 1016-1	0.024	0.020	0.019	0.017	0.016	0.016	*L	0.9979
5) 11 1016-2	0.052	0.043	0.041	0.038	0.036	0.035	*L	0.9987
6) 11 1016-3	0.104	0.089	0.087	0.083	0.079	0.078	*L	0.9993
7) 11 1016-4	0.040	0.034	0.033	0.031	0.030	0.029	*L	0.9994
8) 11 1016-5	0.034	0.027	0.026	0.025	0.025	0.025	*L	0.9999
9) 12 1260-1	0.061	0.051	0.049	0.047	0.046	0.047	0.050	11.70
10) 12 1260-2	0.069	0.060	0.059	0.055	0.054	0.055	0.059	9.61
11) 12 1260-3	0.055	0.047	0.046	0.044	0.043	0.045	0.047	8.76
12) 12 1260-4	0.109	0.098	0.098	0.093	0.091	0.094	0.097	6.76
13) 12 1260-5	0.076	0.065	0.065	0.062	0.062	0.065	0.066	7.93
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.013	0.013	0.011	0.010	0.010		*L	0.9965
16) 13 1221-3	0.008	0.008	0.007	0.006	0.006		*L	0.9952
17) 13 1221-4	0.032	0.031	0.025	0.023	0.023		*L	0.9957
18) 14 1254-1	0.049	0.047	0.038	0.038	0.041	0.038	0.042	12.15
19) 14 1254-2	0.041	0.041	0.033	0.034	0.037	0.034	0.036	10.07
20) 14 1254-3	0.084	0.083	0.062	0.069	0.074	0.067	0.073	12.26
21) 14 1254-4	0.055	0.056	0.044	0.046	0.051	0.045	0.050	10.08
22) 14 1254-5	0.072	0.073	0.058	0.061	0.067	0.062	0.065	9.32
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.012	0.014	13.92
25) 16 1242-2	0.039	0.034	0.034	0.031	0.029	0.028	0.033	12.18
26) 16 1242-3	0.077	0.070	0.070	0.066	0.064	0.062	0.068	7.59
27) 16 1242-4	0.026	0.023	0.022	0.021	0.020	0.020	0.022	9.96
28) 16 1242-5	0.025	0.022	0.022	0.021	0.020	0.020	0.022	8.50
29) 19 1268-1	0.139	0.123	0.123	0.120	0.117	0.114	0.123	7.27
30) 19 1268-2	0.137	0.124	0.126	0.124	0.122	0.121	0.126	4.76
31) 19 1268-3	0.090	0.080	0.081	0.080	0.079	0.079	0.082	5.01
32) 19 1268-4	0.045	0.039	0.039	0.039	0.039	0.040	0.040	6.16
33) 19 1268-5	0.246	0.228	0.229	0.224	0.216	0.160	0.217	13.66
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.025	0.024	0.021	0.023	0.020	0.024	12.00
36) 17 1248-2	0.036	0.030	0.028	0.025	0.027	0.024	0.029	14.64



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Ical Ref : ICAL16473
Calibration dates : 01/29/20 19:58 01/30/20 22:51	

Signal #2 Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.044	0.037	0.036	0.032	0.035	0.031	0.036	12.41
38) 17 1248-4	0.049	0.042	0.040	0.037	0.040	0.036	0.041	11.26
39) 17 1248-5	0.054	0.047	0.045	0.041	0.044	0.040	0.045	11.07
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.025	0.022	0.021	0.020	0.018	0.017	0.020	14.60
42) 15 1232-2	0.025	0.022	0.021	0.020	0.019	0.018	0.021	11.74
43) 15 1232-3	0.047	0.042	0.042	0.041	0.041	0.037	0.042	7.48
44) 15 1232-4	0.015	0.013	0.013	0.012	0.012	0.011	0.013	10.54
45) 15 1232-5	0.015	0.012	0.012	0.012	0.012	0.011	0.012	10.29
46) 18 1262-1	0.051	0.044	0.044	0.044	0.043	0.040	0.044	8.43
47) 18 1262-2	0.069	0.060	0.060	0.060	0.059	0.055	0.060	7.86
48) 18 1262-3	0.062	0.054	0.054	0.055	0.055	0.050	0.055	7.19
49) 18 1262-4	0.114	0.104	0.103	0.106	0.104	0.094	0.104	6.14
50) 18 1262-5	0.085	0.072	0.070	0.072	0.072	0.067	0.073	8.17



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.840	1.624	1.528	1.377	1.453	1.347	1.528	11.98
3) s Decachlorobiphenyl	1.781	1.325	1.193	1.042	1.073	0.983	*L	0.9974
4) 11 1016-1	0.036	0.031	0.030	0.026	0.026	0.023	0.029	16.24
5) 11 1016-2	0.082	0.069	0.065	0.055	0.055	0.049	0.062	19.00
6) 11 1016-3	0.149	0.129	0.121	0.107	0.110	0.100	0.119	15.01
7) 11 1016-4	0.061	0.057	0.054	0.046	0.048	0.043	0.052	13.27
8) 11 1016-5	0.068	0.058	0.056	0.049	0.050	0.044	0.054	15.63
9) 12 1260-1	0.102	0.082	0.076	0.066	0.067	0.061	0.076	19.85
10) 12 1260-2	0.154	0.126	0.116	0.101	0.103	0.093	0.115	19.31
11) 12 1260-3	0.090	0.078	0.073	0.064	0.065	0.059	0.072	15.91
12) 12 1260-4	0.200	0.162	0.150	0.135	0.141	0.131	0.153	16.62
13) 12 1260-5	0.104	0.088	0.082	0.072	0.074	0.068	0.082	16.17
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.023	0.018	0.017	0.015		0.019	15.21
16) 13 1221-2	0.010	0.014	0.011	0.010	0.010		0.011	17.65
17) 13 1221-3	0.047	0.053	0.043	0.037	0.034		0.043	18.02
18) 14 1254-1	0.074	0.078	0.060	0.051	0.048	0.041	*Q	0.9949
19) 14 1254-2	0.137	0.134	0.103	0.088	0.083	0.071	*Q	0.9953
20) 14 1254-3	0.121	0.125	0.097	0.085	0.081	0.070	*Q	0.9960
21) 14 1254-4	0.096	0.101	0.079	0.069	0.065	0.056	*Q	0.9960
22) 14 1254-5	0.140	0.139	0.109	0.095	0.090	0.078	*Q	0.9963
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.030	0.025	0.025	0.023	0.020	0.018	0.024	17.63
25) 16 1242-2	0.133	0.107	0.105	0.094	0.084	0.079	0.100	19.34
26) 16 1242-3	0.042	0.046	0.046	0.043	0.037	0.035	0.042	11.40
27) 16 1242-4	0.063	0.050	0.050	0.046	0.040	0.037	0.048	19.65
28) 16 1242-5	0.042	0.035	0.035	0.032	0.028	0.026	0.033	17.07
29) 19 1268-1	0.321	0.224	0.215	0.197	0.180	0.172	*L	0.9970
30) 19 1268-2	0.313	0.225	0.216	0.198	0.180	0.172	*L	0.9969
31) 19 1268-3	0.215	0.156	0.149	0.136	0.123	0.117	*L	0.9964
32) 19 1268-4	0.108	0.082	0.079	0.071	0.064	0.060	*L	0.9950
33) 19 1268-5	0.618	0.415	0.402	0.377	0.347	0.333	*L	0.9980
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.041	0.039	0.036	0.029	0.033	0.027	0.034	16.16
36) 17 1248-2	0.057	0.056	0.049	0.041	0.044	0.038	0.048	16.77



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.082	0.072	0.062	0.066	0.058	0.071	16.56
38) 17 1248-4	0.068	0.069	0.060	0.051	0.055	0.049	0.059	14.86
39) 17 1248-5	0.061	0.066	0.057	0.047	0.051	0.045	0.055	14.70
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.040	0.036	0.036	0.030	0.027	0.025	0.032	18.07
42) 15 1232-2	0.041	0.035	0.035	0.030	0.027	0.024	0.032	19.55
43) 15 1232-3	0.077	0.067	0.066	0.056	0.052	0.048	0.061	17.45
44) 15 1232-4	0.034	0.029	0.029	0.026	0.023	0.021	0.027	16.56
45) 15 1232-5	0.024	0.020	0.020	0.018	0.016	0.015	0.019	17.06
46) 18 1262-1	0.112	0.096	0.090	0.076	0.070		*L	0.9920
47) 18 1262-2	0.173	0.126	0.113	0.093	0.087		*L	0.9923
48) 18 1262-3	0.127	0.104	0.098	0.082	0.077		*L	0.9932
49) 18 1262-4	0.241	0.191	0.180	0.156	0.150		*L	0.9966
50) 18 1262-5	0.086	0.073	0.069	0.059	0.055		*L	0.9931



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.593	1.421	1.332	1.261	1.378	1.307	1.382	8.51
3) s Decachlorobip	1.681	1.312	1.188	1.080	1.145	1.076	1.247	18.42
4) 11 1016-1	0.031	0.028	0.027	0.024	0.025	0.022	0.026	11.60
5) 11 1016-2	0.072	0.064	0.059	0.053	0.055	0.050	0.059	13.55
6) 11 1016-3	0.138	0.118	0.114	0.104	0.111	0.103	0.115	11.12
7) 11 1016-4	0.055	0.047	0.045	0.041	0.043	0.039	0.045	12.58
8) 11 1016-5	0.045	0.038	0.038	0.035	0.036	0.033	0.038	11.16
9) 12 1260-1	0.099	0.079	0.076	0.068	0.071	0.066	0.077	15.38
10) 12 1260-2	0.117	0.095	0.088	0.080	0.084	0.079	0.091	15.45
11) 12 1260-3	0.096	0.080	0.076	0.069	0.073	0.068	0.077	13.68
12) 12 1260-4	0.193	0.162	0.153	0.142	0.154	0.147	0.158	11.41
13) 12 1260-5	0.137	0.116	0.111	0.101	0.107	0.101	0.112	12.25
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.021	0.016	0.015	0.014		0.017	16.92
16) 13 1221-2	0.013	0.013	0.011	0.010	0.009		0.011	15.13
17) 13 1221-3	0.047	0.048	0.039	0.035	0.033		0.040	17.44
18) 14 1254-1	0.074	0.079	0.063	0.056	0.054	0.050	*L	0.9924
19) 14 1254-2	0.092	0.094	0.072	0.064	0.062	0.057	*L	0.9920
20) 14 1254-3	0.114	0.120	0.096	0.085	0.084	0.079	*L	0.9945
21) 14 1254-4	0.087	0.092	0.072	0.065	0.064	0.060	*L	0.9940
22) 14 1254-5	0.124	0.132	0.105	0.094	0.092	0.086	*L	0.9940
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.027	0.022	0.023	0.021	0.019	0.017	0.022	16.41
25) 16 1242-2	0.063	0.051	0.051	0.048	0.042	0.039	0.049	17.68
26) 16 1242-3	0.123	0.095	0.096	0.090	0.082	0.079	0.094	16.48
27) 16 1242-4	0.042	0.033	0.033	0.033	0.028	0.026	0.033	16.88
28) 16 1242-5	0.039	0.032	0.033	0.031	0.028	0.026	0.031	13.91
29) 19 1268-1	0.301	0.217	0.218	0.205	0.193	0.190	*L	0.9992
30) 19 1268-2	0.287	0.215	0.217	0.203	0.190	0.187	*L	0.9989
31) 19 1268-3	0.200	0.149	0.147	0.138	0.129	0.127	*L	0.9989
32) 19 1268-4	0.110	0.077	0.077	0.073	0.066	0.064	*L	0.9978
33) 19 1268-5	0.589	0.413	0.413	0.403	0.382	0.382	*L	0.9997
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.032	0.029	0.031	0.028	0.033	13.55
36) 17 1248-2	0.050	0.048	0.043	0.037	0.040	0.035	0.042	13.89



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.061	0.059	0.053	0.045	0.049	0.044	0.052	13.69
38) 17 1248-4	0.065	0.064	0.058	0.050	0.056	0.050	0.057	11.36
39) 17 1248-5	0.072	0.072	0.064	0.056	0.061	0.056	0.063	11.30
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.039	0.033	0.032	0.028	0.026	0.024	0.030	18.61
42) 15 1232-2	0.039	0.034	0.034	0.029	0.027	0.025	0.031	17.27
43) 15 1232-3	0.071	0.059	0.060	0.053	0.050	0.047	0.057	15.18
44) 15 1232-4	0.023	0.020	0.019	0.017	0.016	0.015	0.018	15.25
45) 15 1232-5	0.021	0.019	0.018	0.017	0.016	0.015	0.017	13.01
46) 18 1262-1	0.090	0.077	0.074	0.064	0.060		0.073	16.26
47) 18 1262-2	0.127	0.106	0.102	0.088	0.085		0.102	16.62
48) 18 1262-3	0.121	0.101	0.097	0.085	0.081		0.097	16.30
49) 18 1262-4	0.219	0.185	0.178	0.159	0.156		0.179	14.09
50) 18 1262-5	0.079	0.068	0.068	0.058	0.056		0.066	14.02



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Calibration Date : 02/17/20 13:56
Lab File ID : P7200217a-02	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1341557-1	Init. Calib. Times : 02:30 13:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	105	0
2,4,5,6-Tetrachloro-m-xylene	160	156.929	-	1.9	20	105	0
Decachlorobiphenyl	320	311.801	-	2.6	20	108	0
1016-1	2500	2215.787	-	11.4	20	100	0
1016-2	2500	2308.195	-	7.7	20	104	0
1016-3	2500	2254.792	-	9.8	20	97	0
1016-4	2500	2202.97	-	11.9	20	98	0
1016-5	2500	2254.851	-	9.8	20	100	0
1260-1	2500	2395.231	-	4.2	20	106	0
1260-2	2500	2289.321	-	8.4	20	101	0
1260-3	2500	2273.73	-	9.1	20	98	0
1260-4	2500	2225.988	-	11	20	96	0
1260-5	2500	2282.581	-	8.7	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Calibration Date : 02/17/20 13:56
Lab File ID : P7200217a-02	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1341557-1	Init. Calib. Times : 02:30 13:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	101	-.01
2,4,5,6-Tetrachloro-m-xylene	160	156.703	-	2.1	20	100	-.01
Decachlorobiphenyl #2	320	345.343	-	-7.9	20	114	-.03
1016-1 #2	2500	2206.533	-	11.7	20	95	-.02
1016-2 #2	2500	2206.365	-	11.7	20	95	-.02
1016-3 #2	2500	2352.722	-	5.9	20	100	-.02
1016-4 #2	2500	2385.853	-	4.6	20	102	-.02
1016-5 #2	2500	2507.591	-	-0.3	20	108	-.03
1260-1 #2	2500	2480.518	-	0.8	20	107	-.03
1260-2 #2	2500	2554.656	-	-2.2	20	110	-.03
1260-3 #2	2500	2477.701	-	0.9	20	106	-.03
1260-4 #2	2500	2519.845	-	-0.8	20	104	-.03
1260-5 #2	2500	2379.909	-	4.8	20	101	-.03

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/17/20 17:58
Lab File ID : P2200217a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1341578-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	113	.01
2,4,5,6-Tetrachloro-m-xylene	16	15.337	-	4.1	20	110	.01
Decachlorobiphenyl	32	27.147	-	15.2	20	101	.02
1016-1	250	250.66	-	-0.3	20	118	.01
1016-2	250	250.008	-	-0	20	114	.01
1016-3	250	241.045	-	3.6	20	117	.02
1016-4	250	260.877	-	-4.4	20	120	.02
1016-5	250	264.712	-	-5.9	20	121	.02
1260-1	250	230.241	-	7.9	20	109	.01
1260-2	250	238.828	-	4.5	20	111	.01
1260-3	250	240.045	-	4	20	114	.01
1260-4	250	241.135	-	3.5	20	113	.01
1260-5	250	219.84	-	12.1	20	110	.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/17/20 17:58
Lab File ID : P2200217a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1341578-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	95	.01
2,4,5,6-Tetrachloro-m-xylene	16	16.453	-	-2.8	20	103	.01
Decachlorobiphenyl #2	32	33.357	-	-4.2	20	109	.03
1016-1 #2	250	257.619	-	-3	20	105	.01
1016-2 #2	250	264.753	-	-5.9	20	106	.02
1016-3 #2	250	254.107	-	-1.6	20	103	.02
1016-4 #2	250	265.366	-	-6.1	20	103	.02
1016-5 #2	250	254.616	-	-1.8	20	103	.01
1260-1 #2	250	265.484	-	-6.2	20	114	.01
1260-2 #2	250	265.097	-	-6	20	112	.01
1260-3 #2	250	260.579	-	-4.2	20	109	.01
1260-4 #2	250	257.822	-	-3.1	20	106	.01
1260-5 #2	250	241.246	-	3.5	20	105	.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Calibration Date : 02/18/20 08:54
Lab File ID : 16200218a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1341805-1	Init. Calib. Times : 19:58 22:51
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	61	0
2,4,5,6-Tetrachloro-m-xylene	160	154.506	-	3.4	20	60	0
Decachlorobiphenyl	320	265.747	-	17	20	54	0
1016-1	2500	2178.81	-	12.8	20	58	0
1016-2	2500	2436.371	-	2.5	20	63	0
1016-3	2500	2437.893	-	2.5	20	61	0
1016-4	2500	2380.413	-	4.8	20	62	0
1016-5	2500	2314.089	-	7.4	20	61	0
1260-1	2500	2297.744	-	8.1	20	60	0
1260-2	2500	2286.913	-	8.5	20	60	0
1260-3	2500	1891.525	-	24.3*	20	49	0
1260-4	2500	1822.034	-	27.1*	20	46	0
1260-5	2500	1981.849	-	20.7*	20	51	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Calibration Date : 02/18/20 08:54
Lab File ID : 16200218a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1341805-1	Init. Calib. Times : 19:58 22:51
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	79	0
2,4,5,6-Tetrachloro-m-xylene	160	151.633	-	5.2	20	76	0
Decachlorobiphenyl #2	320	271.39	-	15.2	20	71	0
1016-1 #2	2500	2472.967	-	1.1	20	74	0
1016-2 #2	2500	2659.485	-	-6.4	20	80	0
1016-3 #2	2500	2630.825	-	-5.2	20	80	0
1016-4 #2	2500	2580.218	-	-3.2	20	79	0
1016-5 #2	2500	2451.023	-	2	20	77	0
1260-1 #2	2500	2468.154	-	1.3	20	83	0
1260-2 #2	2500	2350.399	-	6	20	78	0
1260-3 #2	2500	2030.044	-	18.8	20	68	0
1260-4 #2	2500	2030.456	-	18.8	20	67	0
1260-5 #2	2500	2063.845	-	17.4	20	69	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Calibration Date : 02/18/20 18:51
Lab File ID : 16200218a-24	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1341805-2	Init. Calib. Times : 19:58 22:51
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	62	0
2,4,5,6-Tetrachloro-m-xylene	160	156.871	-	2	20	62	0
Decachlorobiphenyl	320	282.327	-	11.8	20	59	0
1016-1	2500	2212.346	-	11.5	20	60	0
1016-2	2500	2430.858	-	2.8	20	65	0
1016-3	2500	2480.938	-	0.8	20	64	0
1016-4	2500	2404.076	-	3.8	20	64	0
1016-5	2500	2331.962	-	6.7	20	63	0
1260-1	2500	2466.518	-	1.3	20	66	0
1260-2	2500	2566.317	-	-2.7	20	69	0
1260-3	2500	2136.698	-	14.5	20	57	0
1260-4	2500	2143.536	-	14.3	20	56	0
1260-5	2500	2152.294	-	13.9	20	57	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Calibration Date : 02/18/20 18:51
Lab File ID : 16200218a-24	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1341805-2	Init. Calib. Times : 19:58 22:51
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	84	0
2,4,5,6-Tetrachloro-m-xylene	160	150.814	-	5.7	20	81	0
Decachlorobiphenyl #2	320	258.784	-	19.1	20	73	0
1016-1 #2	2500	2463.811	-	1.4	20	79	0
1016-2 #2	2500	2634.856	-	-5.4	20	85	0
1016-3 #2	2500	2591.424	-	-3.7	20	84	0
1016-4 #2	2500	2552.99	-	-2.1	20	83	0
1016-5 #2	2500	2457.064	-	1.7	20	82	0
1260-1 #2	2500	2467.939	-	1.3	20	89	0
1260-2 #2	2500	2356.671	-	5.7	20	84	0
1260-3 #2	2500	2046.573	-	18.1	20	73	0
1260-4 #2	2500	1977.241	-	20.9*	20	69	0
1260-5 #2	2500	1894.553	-	24.2*	20	68	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/25/20 08:40
Lab File ID : 23200225a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1344117-1	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	82	0
2,4,5,6-Tetrachloro-m-xylen	160	153.618	-	4	15	87	0
Decachlorobiphenyl	320	362.769	-	-13.4	15	93	0
1016-1	2500	2574.981	-	-3	15	93	0
1016-2	2500	2487.107	-	0.5	15	92	0
1016-3	2500	2486.038	-	0.6	15	91	0
1016-4	2500	2503.13	-	-0.1	15	92	0
1016-5	2500	2540.039	-	-1.6	15	91	0
1260-1	2500	2497.917	-	0.1	15	94	0
1260-2	2500	2498.658	-	0.1	15	94	0
1260-3	2500	2545.202	-	-1.8	15	94	0
1260-4	2500	2536.165	-	-1.4	15	95	0
1260-5	2500	2541.086	-	-1.6	15	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/25/20 08:40
Lab File ID : 23200225a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1344117-1	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	99	0
2,4,5,6-Tetrachloro-m-xylene	160	161.287	-	-0.8	15	110	0
Decachlorobiphenyl #2	320	287	-	10.3	15	103	0
1016-1 #2	2500	2715.259	-	-8.6	15	116	0
1016-2 #2	2500	2608.551	-	-4.3	15	114	0
1016-3 #2	2500	2563.869	-	-2.6	15	112	0
1016-4 #2	2500	2622.143	-	-4.9	15	114	0
1016-5 #2	2500	2627.401	-	-5.1	15	113	0
1260-1 #2	2500	2512.719	-	-0.5	15	112	0
1260-2 #2	2500	2488.996	-	0.4	15	112	0
1260-3 #2	2500	2532.606	-	-1.3	15	112	0
1260-4 #2	2500	2492.482	-	0.3	15	110	0
1260-5 #2	2500	2491.593	-	0.3	15	110	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/25/20 13:11
Lab File ID : 19200225a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1344121-2	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
i 1660_1br2nb	250	250	-	0	20	72	0
s 2,4,5,6-Tetrachloro-m-x	160	146.609	-	8.4	20	69	0
s Decachlorobiphenyl	320	263.908	-	17.5	20	64	0
I1 1016-1	2500	2162.185	-	13.5	20	66	0
I1 1016-2	2500	2188.247	-	12.5	20	67	0
I1 1016-3	2500	2232.092	-	10.7	20	69	0
I1 1016-4	2500	2212.67	-	11.5	20	68	0
I1 1016-5	2500	2181.66	-	12.7	20	65	0
I2 1260-1	2500	2143.03	-	14.3	20	66	0
1260-2	2500	2182.387	-	12.7	20	67	0
1260-3	2500	2178.452	-	12.9	20	68	0
1260-4	2500	2247.239	-	10.1	20	68	0
1260-5	2500	2248.708	-	10.1	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/25/20 13:11
Lab File ID : 19200225a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1344121-2	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	117	0
2,4,5,6-Tetrachloro-m-xylene	160	141.301	-	11.7	20	108	0
Decachlorobiphenyl #2	320	256.825	-	19.7	20	99	0
1016-1 #2	2500	2261.133	-	9.6	20	111	0
1016-2 #2	2500	2206.737	-	11.7	20	110	0
1016-3 #2	2500	2254.121	-	9.8	20	110	0
1016-4 #2	2500	2197.278	-	12.1	20	108	0
1016-5 #2	2500	2192.962	-	12.3	20	106	0
1260-1 #2	2500	2128.252	-	14.9	20	104	0
1260-2 #2	2500	2157.233	-	13.7	20	105	0
1260-3 #2	2500	2142.733	-	14.3	20	104	0
1260-4 #2	2500	2088.758	-	16.4	20	103	0
1260-5 #2	2500	2109.363	-	15.6	20	103	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006705
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST7 **Initial Calib. Date(s)** : 07/28/19 07/28/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1214573-1	07/28/19 02:30
1242/1268 L2	R1214573-2	07/28/19 02:43
1242/1268 L3	R1214573-6	07/28/19 02:56
1242/1268 L4	R1214573-3	07/28/19 03:09
1242/1268 L5	R1214573-4	07/28/19 03:22
1242/1268 L6	R1214573-5	07/28/19 03:35
1232/1262 L1	R1214573-7	07/28/19 03:48
1232/1262 L2	R1214573-8	07/28/19 04:01
1232/1262 L3	R1214573-12	07/28/19 04:14
1232/1262 L4	R1214573-13	07/28/19 09:12
1232/1262 L5	R1214573-14	07/28/19 09:24
1232/1262 L6	R1214573-15	07/28/19 09:37
1248 L1	R1214573-9	07/28/19 09:50
1248 L2	R1214573-10	07/28/19 10:03
1248 L3	R1214573-11	07/28/19 10:16
1248 L4	R1214573-16	07/28/19 10:29
1248 L5	R1214573-17	07/28/19 10:42
1248 L6	R1214573-18	07/28/19 10:55
1221/1254 L1	R1214573-20	07/28/19 11:08
1221/1254 L2	R1214573-19	07/28/19 11:21
1221/1254 L3	R1214573-21	07/28/19 11:34
1221/1254 L4	R1214573-22	07/28/19 11:47
1221/1254 L5	R1214573-24	07/28/19 12:00
1221/1254 L6	R1214573-23	07/28/19 12:13
1016/1260 L1	R1214573-25	07/28/19 12:26
1016/1260 L2	R1214573-26	07/28/19 12:39
1016/1260 L3	R1214573-27	07/28/19 12:52
1016/1260 L4	R1214573-28	07/28/19 13:05
1016/1260 L5	R1214573-29	07/28/19 13:18
1016/1260 L6	R1214573-30	07/28/19 13:31
R1214573-31 ICV	R1214573-31	07/28/19 13:44
R1214573-32 ICV	R1214573-32	07/28/19 13:57
R1214573-33 ICV	R1214573-33	07/28/19 14:10
R1214573-34 ICV	R1214573-34	07/28/19 14:23
R1214573-35 ICV	R1214573-35	07/28/19 14:36
WG1341557-1 CCAL	WG1341557-1	02/17/20 13:56
WG1341196-1 BLANK	WG1341196-1	02/17/20 16:34



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006705
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279800-1	01/29/20 18:49
1242/1268 L2	R1279800-2	01/29/20 18:56
1242/1268 L3	R1279800-4	01/29/20 19:02
1242/1268 L4	R1279800-3	01/29/20 19:09
1242/1268 L5	R1279800-6	01/29/20 19:16
1242/1268 L6	R1279800-5	01/29/20 19:23
1232/1262 L1	R1279800-7	01/29/20 19:30
1232/1262 L2	R1279800-8	01/29/20 19:37
1232/1262 L3	R1279800-9	01/29/20 19:43
1232/1262 L4	R1279800-10	01/29/20 19:50
1232/1262 L5	R1279800-12	01/29/20 19:57
1232 L6	R1279800-11	01/29/20 20:04
1248 L1	R1279800-14	01/29/20 20:10
1248 L2	R1279800-13	01/29/20 20:17
1248 L3	R1279800-16	01/29/20 20:24
1248 L4	R1279800-15	01/29/20 20:31
1248 L5	R1279800-18	01/29/20 20:37
1248 L6	R1279800-17	01/29/20 20:44
1221/1254 L1	R1279800-19	01/29/20 20:51
1221/1254 L2	R1279800-20	01/29/20 20:58
1221/1254 L4	R1279800-22	01/29/20 21:11
1221/1254 L5	R1279800-23	01/29/20 21:18
1254 L6	R1279800-21	01/29/20 21:25
1016/1260 L1	R1279800-24	01/29/20 21:32
1016/1260 L2	R1279800-25	01/29/20 21:38
1016/1260 L3	R1279800-27	01/29/20 21:45
1016/1260 L4	R1279800-26	01/29/20 21:52
1016/1260 L5	R1279800-28	01/29/20 21:58
1016/1260 L6	R1279800-29	01/29/20 22:05
R1279800-30 ICV	R1279800-30	01/29/20 22:12
R1279800-31 ICV	R1279800-31	01/29/20 22:19
R1279800-33 ICV	R1279800-33	01/29/20 22:25
R1279800-32 ICV	R1279800-32	01/29/20 22:39
1221/1254 L3	R1279800-35	01/30/20 22:53
R1279800-34 ICV	R1279800-34	01/30/20 23:00
WG1344117-1 CCAL	WG1344117-1	02/25/20 08:40
WG1343995-1 BLANK	WG1343995-1	02/25/20 12:15
WG1343995-2 LCS	WG1343995-2	02/25/20 12:21
WG1343995-3 LCSD	WG1343995-3	02/25/20 12:28
E-136-4.0-4.5	L2006705-19	02/25/20 13:09



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006705
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST16 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279789-1	01/29/20 19:58
1242/1268 L2	R1279789-3	01/29/20 20:10
1242/1268 L3	R1279789-2	01/29/20 20:22
1242/1268 L4	R1279789-4	01/29/20 20:34
1242/1268 L5	R1279789-5	01/29/20 20:45
1242/1268 L6	R1279789-7	01/29/20 20:57
1232/1262 L1	R1279789-6	01/29/20 21:09
1232/1262 L2	R1279789-9	01/29/20 21:21
1232/1262 L3	R1279789-8	01/29/20 21:32
1232/1262 L4	R1279789-10	01/29/20 21:44
1232/1262 L5	R1279789-11	01/29/20 21:56
1232/1262 L6	R1279789-12	01/29/20 22:08
1248 L1	R1279789-13	01/29/20 22:19
1248 L2	R1279789-14	01/29/20 22:31
1248 L3	R1279789-15	01/29/20 22:43
1248 L4	R1279789-16	01/29/20 22:55
1248 L5	R1279789-17	01/29/20 23:06
1248 L6	R1279789-18	01/29/20 23:18
1221/1254 L1	R1279789-19	01/29/20 23:30
1221/1254 L2	R1279789-21	01/29/20 23:42
1221/1254 L4	R1279789-20	01/30/20 00:05
1221/1254 L5	R1279789-23	01/30/20 00:17
1254 L6	R1279789-22	01/30/20 00:29
1016/1260 L1	R1279789-26	01/30/20 00:40
1016/1260 L2	R1279789-24	01/30/20 00:52
1016/1260 L3	R1279789-25	01/30/20 01:04
1016/1260 L4	R1279789-27	01/30/20 01:16
1016/1260 L5	R1279789-28	01/30/20 01:27
1016/1260 L6	R1279789-29	01/30/20 01:39
R1279789-30 ICV	R1279789-30	01/30/20 01:51
R1279789-31 ICV	R1279789-31	01/30/20 02:03
R1279789-32 ICV	R1279789-32	01/30/20 02:15
R1279789-34 ICV	R1279789-34	01/30/20 02:38
1221/1254 L3	R1279789-33	01/30/20 22:51
R1279789-35 ICV	R1279789-35	01/30/20 23:02
WG1341805-1 CCAL	WG1341805-1	02/18/20 08:54
E-130-0.5-1.0	L2006705-01	02/18/20 13:08
E-130-0.5-1.0 MS	WG1341196-4	02/18/20 13:19
E-130-0.5-1.0 DUP	WG1341196-5	02/18/20 13:31
E-130-2.0-2.5	L2006705-02	02/18/20 13:43
E-132-0.5-1.0	L2006705-04	02/18/20 13:55
E-128-2.0-2.5	L2006705-08	02/18/20 14:42



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006705
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST16 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
E-129-0.5-1.0	L2006705-10	02/18/20 14:53
E-129-2.0-2.5	L2006705-11	02/18/20 15:05
E-133-2.0-2.5	L2006705-13	02/18/20 15:29
E-137-0.5-1.0	L2006705-20	02/18/20 16:04
E-137-2.0-2.5	L2006705-21	02/18/20 16:16
WG1341196-2 LCS	WG1341196-2	02/18/20 16:39
WG1341196-3 LCSD	WG1341196-3	02/18/20 16:51
WG1341805-2 CCAL	WG1341805-2	02/18/20 18:51
E-131-0.5-1.0	L2006705-06 D	02/18/20 20:49
E-132-2.0-2.5	L2006705-05 D	02/18/20 21:00
E-128-0.5-1.0	L2006705-07 D	02/18/20 21:12
E-133-0.5-1.0	L2006705-12 D	02/18/20 21:24
E-136-2.0-2.5	L2006705-17 D	02/18/20 21:36
E-136-0.5-1.0	L2006705-16 D	02/18/20 21:47
X-6-02132020	L2006705-23 D	02/18/20 21:59



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2006705
 Project Name : AMTRAK EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1341578-1 CCAL	WG1341578-1	02/17/20 17:58
EB-6-02132020	L2006705-24	02/18/20 02:40
WG1341251-1 BLANK	WG1341251-1	02/18/20 02:53
WG1341251-2 LCS	WG1341251-2	02/18/20 03:07
WG1341251-3 LCSD	WG1341251-3	02/18/20 03:21



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006705
Project Name : AMTRAK EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1258780-12	11/20/19 11:11
1242/1268 L2	R1258780-13	11/20/19 11:18
1242/1268 L3	R1258780-14	11/20/19 11:25
1242/1268 L4	R1258780-15	11/20/19 11:32
1242/1268 L5	R1258780-16	11/20/19 11:39
1242/1268 L6	R1258780-17	11/20/19 11:46
1232/1262 L1	R1258780-18	11/20/19 11:53
1232/1262 L2	R1258780-21	11/20/19 12:00
1232/1262 L3	R1258780-19	11/20/19 12:07
1232/1262 L4	R1258780-20	11/20/19 12:13
1232/1262 L5	R1258780-22	11/20/19 12:20
1232/1262 L6	R1258780-23	11/20/19 12:27
1221/1254 L1	R1258780-24	11/20/19 12:34
1221/1254 L2	R1258780-25	11/20/19 12:41
1221/1254 L3	R1258780-28	11/20/19 12:48
1221/1254 L4	R1258780-27	11/20/19 12:55
1221/1254 L5	R1258780-26	11/20/19 13:02
1221/1254 L6	R1258780-30	11/20/19 13:08
1016/1260 L1	R1258780-29	11/20/19 13:15
1016/1260 L2	R1258780-31	11/20/19 13:22
1016/1260 L3	R1258780-33	11/20/19 13:29
1016/1260 L4	R1258780-32	11/20/19 13:36
1016/1260 L5	R1258780-34	11/20/19 13:43
1016/1260 L6	R1258780-35	11/20/19 13:50
1248 L1	R1258780-1	11/20/19 13:57
1248 L2	R1258780-2	11/20/19 14:04
1248 L3	R1258780-3	11/20/19 14:11
1248 L4	R1258780-4	11/20/19 14:17
1248 L5	R1258780-5	11/20/19 14:24
1248 L6	R1258780-8	11/20/19 14:31
R1258780-7 ICV	R1258780-7	11/20/19 14:38
R1258780-6 ICV	R1258780-6	11/20/19 14:45
R1258780-10 ICV	R1258780-10	11/20/19 14:52
R1258780-9 ICV	R1258780-9	11/20/19 14:59
R1258780-11 ICV	R1258780-11	11/22/19 16:02
WG1344121-2 CCAL	WG1344121-2	02/25/20 13:11
E-136-3.0-3.5	L2006705-18 D	02/25/20 22:19



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK EAST BARRACKS

Lab Number: L2006705
 Project Number: 277710568.0008.06
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-6-02132020 (L2006705-24)	70	70	56	67			0
WG1341251-1BLANK	72	74	65	80			0
WG1341251-2LCS	77	75	70	84			0
WG1341251-3LCSD	63	63	56	68			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK EAST BARRACKS

Lab Number: L2006705
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-130-0.5-1.0 (L2006705-01)	47	45	56	56			0
E-130-2.0-2.5 (L2006705-02)	59	54	56	56			0
E-132-0.5-1.0 (L2006705-04)	61	57	72	63			0
E-132-2.0-2.5 (L2006705-05D)	0*	0*	0*	0*			4
E-131-0.5-1.0 (L2006705-06D)	61	58	59	60			0
E-128-0.5-1.0 (L2006705-07D)	0*	0*	0*	0*			4
E-128-2.0-2.5 (L2006705-08)	70	67	66	66			0
E-129-0.5-1.0 (L2006705-10)	74	72	66	66			0
E-129-2.0-2.5 (L2006705-11)	78	78	69	70			0
E-133-0.5-1.0 (L2006705-12D)	0*	0*	0*	0*			4
E-133-2.0-2.5 (L2006705-13)	57	54	61	61			0
E-136-0.5-1.0 (L2006705-16D)	0*	0*	0*	0*			4
E-136-2.0-2.5 (L2006705-17D)	0*	0*	0*	0*			4
E-136-3.0-3.5 (L2006705-18D)	0*	0*	0*	0*			4
E-136-4.0-4.5 (L2006705-19)	72	79	92	72			0
E-137-0.5-1.0 (L2006705-20)	66	63	62	61			0
E-137-2.0-2.5 (L2006705-21)	73	71	67	67			0
X-6-02132020 (L2006705-23D)	0*	0*	0*	0*			4
WG1341196-1BLANK	45	46	49	52			0
WG1341196-2LCS	64	63	56	55			0
WG1341196-3LCSD	79	78	69	67			0
E-130-0.5-1.0MS	58	56	68	72			0
E-130-0.5-1.0DUP	62	58	71	72			0
WG1343995-1BLANK	75	81	101	78			0
WG1343995-2LCS	72	76	93	72			0
WG1343995-3LCSD	68	73	89	69			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Lab Duplicate Sample Summary
Form 3
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-130-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2006705-01	Analysis Date	: 02/18/20 13:08
Lab File ID	: 16200218a-03	DUP File ID	: 16200218a-05
Dup Sample ID	: WG1341196-5	DUP Analysis Date	: 02/18/20 13:31

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1016	ND	ND	NC	30
Aroclor 1221	ND	ND	NC	30
Aroclor 1232	ND	ND	NC	30
Aroclor 1242	ND	ND	NC	30
Aroclor 1248	ND	ND	NC	30
Aroclor 1254	ND	ND	NC	30
Aroclor 1260	0.0196J	0.0165J	NC	30
Aroclor 1262	ND	ND	NC	30
Aroclor 1268	ND	ND	NC	30
PCBs, Total	0.0196J	0.0165J	NC	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2006705
 Project Name : AMTRAK EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1341196-2 Analysis Date : 02/18/20 16:39 File ID : 16200218a-21
 LCSD Sample ID : WG1341196-3 Analysis Date : 02/18/20 16:51 File ID : 16200218a-22

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.198	0.121	61	0.207	0.159	77	23	40-140	30
Aroclor 1260	0.198	0.104	53	0.207	0.136	66	22	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2006705
 Project Name : AMTRAK EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : WATER
 LCS Sample ID : WG1341251-2 Analysis Date : 02/18/20 03:07 File ID : P2200217a-41
 LCSD Sample ID : WG1341251-3 Analysis Date : 02/18/20 03:21 File ID : P2200217a-42

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	1.34	75	1.78	1.22	68	9	40-140	20
Aroclor 1260	1.78	1.11	62	1.78	0.980	55	12	40-140	20



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2006705
 Project Name : AMTRAK EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1343995-2 Analysis Date : 02/25/20 12:21 File ID : 23200225a-04
 LCSD Sample ID : WG1343995-3 Analysis Date : 02/25/20 12:28 File ID : 23200225a-05

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.206	0.183	89	0.201	0.169	84	6	40-140	30
Aroclor 1260	0.206	0.170	82	0.201	0.158	79	4	40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Client Sample ID : E-130-0.5-1.0	Matrix : SOIL
Lab Sample ID : L2006705-01	Analysis Date : 02/18/20 13:08
Matrix Spike : WG1341196-4	MS Analysis Date : 02/18/20 13:19
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1016	ND	0.229	0.132	58					40-140	30
Aroclor 1260	0.0196J	0.229	0.134	59					40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006705-01	
Client ID : E-130-0.5-1.0	
Date Analyzed (1) : 02/18/20 13:08	Date Analyzed (2) : 02/18/20 13:08
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	5.10	5.01	5.11	0.0189			
	2	5.31	5.21	5.31	0.0156			
	COLUMN 1	3	0.00	5.68	5.78	0.		
		4	5.99	5.89	5.99	0.0194		
		5	6.19	6.09	6.19	0.0247	0.0196J	
COLUMN 2	1	5.58	5.49	5.59	0.0174			
	2	0.00	5.64	5.74	0.			
	3	6.26	6.17	6.27	0.0164			
	4	6.43	6.33	6.43	0.0159			
	5	6.68	6.59	6.69	0.0161	0.0165J	NC	



Identification Summary
Form 10
PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006705-02	
Client ID : E-130-2.0-2.5	
Date Analyzed (1) : 02/18/20 13:43	Date Analyzed (2) : 02/18/20 13:43
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	5.06	5.01	5.11	0.035			
	2	5.26	5.21	5.31	0.0372			
	COLUMN 1	3	5.73	5.68	5.78	0.0346		
		4	5.94	5.89	5.99	0.0414		
		5	6.14	6.09	6.19	0.0408	0.0378J	
COLUMN 2	1	5.55	5.49	5.59	0.0367			
	2	5.69	5.64	5.74	0.036			
	3	6.22	6.17	6.27	0.0368			
	4	6.39	6.33	6.43	0.0382			
	5	6.64	6.59	6.69	0.04	0.0375J	NC	



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2006705-04		
Client ID	: E-132-0.5-1.0		
Date Analyzed (1)	: 02/18/20 13:55	Date Analyzed (2)	: 02/18/20 13:55
Instrument ID (1)	: PEST16	Instrument ID (2)	: PEST16
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	5.06	5.01	5.11	0.172		
	2	5.26	5.21	5.31	0.209		
COLUMN 1	3	5.73	5.68	5.78	0.183		
	4	5.94	5.89	5.99	0.203		
	5	6.14	6.09	6.19	0.226	0.199	
COLUMN 2	1	5.55	5.49	5.59	0.15		
	2	5.69	5.64	5.74	0.192		
	3	0.00	6.17	6.27	0.		
	4	6.39	6.33	6.43	0.21		
	5	6.64	6.59	6.69	0.219	0.193	3



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006705-05D	
Client ID : E-132-2.0-2.5	
Date Analyzed (1) : 02/18/20 21:00	Date Analyzed (2) : 02/18/20 21:00
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	5.06	5.01	5.11	4.54			
	2	5.27	5.22	5.32	4.96			
	COLUMN 1	3	5.74	5.68	5.78	4.24		
		4	5.95	5.90	6.00	4.74		
		5	6.15	6.09	6.19	4.9	4.68	
COLUMN 2	1	5.55	5.50	5.60	4.74			
	2	5.70	5.64	5.74	5.02			
	3	6.23	6.17	6.27	4.47			
	4	6.39	6.34	6.44	4.54			
	5	6.65	6.59	6.69	4.52	4.66	0	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006705-06D	
Client ID : E-131-0.5-1.0	
Date Analyzed (1) : 02/18/20 20:49	Date Analyzed (2) : 02/18/20 20:49
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	5.10	5.01	5.11	1.01		
	2	5.30	5.22	5.32	1.26		
COLUMN 1	3	5.77	5.68	5.78	1.3		
	4	0.00	5.90	6.00	0.		
	5	6.18	6.09	6.19	1.44	1.25	
COLUMN 2	1	5.58	5.50	5.60	0.958		
	2	5.72	5.64	5.74	1.07		
	3	6.25	6.17	6.27	1.33		
	4	6.42	6.34	6.44	1.38		
	5	6.68	6.59	6.69	1.41	1.23	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006705-07D	
Client ID : E-128-0.5-1.0	
Date Analyzed (1) : 02/18/20 21:12	Date Analyzed (2) : 02/18/20 21:12
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	5.06	5.01	5.11	2.09		
	2	5.26	5.22	5.32	2.63		
COLUMN 1	3	5.73	5.68	5.78	2.48		
	4	5.94	5.90	6.00	3.03		
	5	6.14	6.09	6.19	2.95	2.64	
COLUMN 2	1	5.55	5.50	5.60	2.26		
	2	5.69	5.64	5.74	2.65		
	3	6.22	6.17	6.27	2.56		
	4	6.39	6.34	6.44	2.76		
	5	6.64	6.59	6.69	2.97	2.64	0



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006705-10	
Client ID : E-129-0.5-1.0	
Date Analyzed (1) : 02/18/20 14:53	Date Analyzed (2) : 02/18/20 14:53
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	5.05	5.01	5.11	0.0466			
	2	5.26	5.21	5.31	0.0828			
	COLUMN 1	3	5.73	5.68	5.78	0.0772		
		4	5.94	5.89	5.99	0.101		
		5	6.14	6.09	6.19	0.106	0.0828	
COLUMN 2	1	5.55	5.49	5.59	0.0495			
	2	5.69	5.64	5.74	0.0851			
	3	6.22	6.17	6.27	0.0767			
	4	6.38	6.33	6.43	0.0973			
	5	6.64	6.59	6.69	0.0992	0.0816	1	



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2006705-11		
Client ID	: E-129-2.0-2.5		
Date Analyzed (1)	: 02/18/20 15:05	Date Analyzed (2)	: 02/18/20 15:05
Instrument ID (1)	: PEST16	Instrument ID (2)	: PEST16
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD
			From	To			
AROCOR 1260	1	5.06	5.01	5.11	0.071		
	2	5.26	5.21	5.31	0.0929		
COLUMN 1	3	5.73	5.68	5.78	0.0855		
	4	5.94	5.89	5.99	0.098		
	5	6.14	6.09	6.19	0.0984	0.0892	
COLUMN 2	1	5.55	5.49	5.59	0.086		
	2	5.69	5.64	5.74	0.0939		
	3	6.22	6.17	6.27	0.0892		
	4	6.38	6.33	6.43	0.0995		
	5	6.64	6.59	6.69	0.101	0.0939	5



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006705-12D	
Client ID : E-133-0.5-1.0	
Date Analyzed (1) : 02/18/20 21:24	Date Analyzed (2) : 02/18/20 21:24
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	5.06	5.01	5.11	6.8			
	2	5.26	5.22	5.32	7.22			
	COLUMN 1	3	5.73	5.68	5.78	7.14		
		4	5.94	5.90	6.00	9.03		
		5	6.14	6.09	6.19	9.25	7.89	
COLUMN 2	1	5.55	5.50	5.60	7.28			
	2	5.69	5.64	5.74	7.85			
	3	6.22	6.17	6.27	8.11			
	4	6.39	6.34	6.44	8.97			
	5	6.64	6.59	6.69	9.34	8.31	5	



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2006705-13		
Client ID	: E-133-2.0-2.5		
Date Analyzed (1)	: 02/18/20 15:29	Date Analyzed (2)	: 02/18/20 15:29
Instrument ID (1)	: PEST16	Instrument ID (2)	: PEST16
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	5.05	5.01	5.11	0.188		
	2	5.26	5.21	5.31	0.203		
COLUMN 1	3	5.72	5.68	5.78	0.222		
	4	5.94	5.89	5.99	0.238		
	5	6.14	6.09	6.19	0.238	0.218	
COLUMN 2	1	5.55	5.49	5.59	0.185		
	2	5.69	5.64	5.74	0.213		
	3	6.22	6.17	6.27	0.222		
	4	6.38	6.33	6.43	0.237		
	5	6.64	6.59	6.69	0.247	0.221	1



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006705-16D	
Client ID : E-136-0.5-1.0	
Date Analyzed (1) : 02/18/20 21:47	Date Analyzed (2) : 02/18/20 21:47
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	5.05	5.01	5.11	21.4			
	2	5.26	5.22	5.32	25.4			
	COLUMN 1	3	5.72	5.68	5.78	23.3		
		4	5.94	5.90	6.00	25.4		
		5	6.14	6.09	6.19	26.6	24.4	
COLUMN 2	1	5.55	5.50	5.60	24.1			
	2	5.69	5.64	5.74	25.5			
	3	6.22	6.17	6.27	23.8			
	4	6.38	6.34	6.44	24.2			
	5	6.64	6.59	6.69	24.6	24.4	0	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006705-17D	
Client ID : E-136-2.0-2.5	
Date Analyzed (1) : 02/18/20 21:36	Date Analyzed (2) : 02/18/20 21:36
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	5.05	5.01	5.11	5.56			
	2	5.26	5.22	5.32	6.7			
	COLUMN 1	3	5.72	5.68	5.78	5.94		
		4	5.94	5.90	6.00	6.8		
		5	6.14	6.09	6.19	6.99	6.4	
COLUMN 2	1	5.54	5.50	5.60	5.95			
	2	5.69	5.64	5.74	6.57			
	3	6.22	6.17	6.27	6.09			
	4	6.38	6.34	6.44	6.6			
	5	6.64	6.59	6.69	6.53	6.35	1	



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2006705-18D		
Client ID	: E-136-3.0-3.5		
Date Analyzed (1)	: 02/25/20 22:19	Date Analyzed (2)	: 02/25/20 22:19
Instrument ID (1)	: PEST19	Instrument ID (2)	: PEST19
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	2.52			
	2	2.71	2.66	2.76	3.12			
	COLUMN 1	3	3.06	3.00	3.10	2.79		
		4	3.23	3.17	3.27	2.97		
		5	3.38	3.33	3.43	3.1	2.9	
COLUMN 2	1	2.95	2.90	3.00	2.42			
	2	3.06	3.01	3.11	3.02			
	3	3.48	3.43	3.53	2.31			
	4	3.62	3.57	3.67	2.93			
	5	3.83	3.78	3.88	3.12	2.76	5	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006705-19	
Client ID : E-136-4.0-4.5	
Date Analyzed (1) : 02/25/20 13:09	Date Analyzed (2) : 02/25/20 13:09
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.0529		
	2	2.39	2.34	2.44	0.0686		
COLUMN 1	3	2.68	2.63	2.73	0.0619		
	4	2.82	2.78	2.88	0.0729		
	5	2.96	2.92	3.02	0.0807	0.0674	
COLUMN 2	1	2.71	2.67	2.77	0.0501		
	2	2.81	2.77	2.87	0.0676		
	3	3.19	3.14	3.24	0.0653		
	4	3.32	3.27	3.37	0.0703		
	5	3.51	3.47	3.57	0.0717	0.065	4



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2006705-20		
Client ID	: E-137-0.5-1.0		
Date Analyzed (1)	: 02/18/20 16:04	Date Analyzed (2)	: 02/18/20 16:04
Instrument ID (1)	: PEST16	Instrument ID (2)	: PEST16
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	5.05	5.01	5.11	0.0143			
	2	5.26	5.21	5.31	0.0152			
COLUMN 1	3	5.72	5.68	5.78	0.0142			
	4	5.94	5.89	5.99	0.0168			
	5	6.14	6.09	6.19	0.0171	0.0155J		
COLUMN 2	1	5.54	5.49	5.59	0.0103			
	2	5.69	5.64	5.74	0.016			
	3	6.22	6.17	6.27	0.0179			
	4	6.38	6.33	6.43	0.0177			
	5	6.63	6.59	6.69	0.0173	0.0159J		NC



Identification Summary

Form 10

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2006705-21		
Client ID	: E-137-2.0-2.5		
Date Analyzed (1)	: 02/18/20 16:16	Date Analyzed (2)	: 02/18/20 16:16
Instrument ID (1)	: PEST16	Instrument ID (2)	: PEST16
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean	%RPD
			From	To		Concentration	
AROCOR 1260	1	5.05	5.01	5.11	0.0185		
	2	5.26	5.21	5.31	0.0213		
COLUMN 1	3	5.72	5.68	5.78	0.0199		
	4	5.94	5.89	5.99	0.0219		
	5	6.14	6.09	6.19	0.0236	0.021J	
COLUMN 2	1	5.55	5.49	5.59	0.0195		
	2	5.69	5.64	5.74	0.0224		
	3	6.22	6.17	6.27	0.0218		
	4	6.38	6.33	6.43	0.0208		
	5	6.64	6.59	6.69	0.0221	0.0213J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006705-23D	
Client ID : X-6-02132020	
Date Analyzed (1) : 02/18/20 21:59	Date Analyzed (2) : 02/18/20 21:59
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	5.05	5.01	5.11	19.3			
	2	5.26	5.22	5.32	22.8			
	COLUMN 1	3	5.72	5.68	5.78	20.9		
		4	5.94	5.90	6.00	23.		
		5	6.14	6.09	6.19	23.8	22.	
COLUMN 2	1	5.55	5.50	5.60	21.8			
	2	5.69	5.64	5.74	23.			
	3	6.22	6.17	6.27	21.6			
	4	6.38	6.34	6.44	21.9			
	5	6.64	6.59	6.69	23.	22.3	1	



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-03.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 1:08 pm
 Operator : pest16:cw
 Sample : l2006705-01,42e,,p
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 17:57:11 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.282	2.311	700.5E6	1642.8E6	250.000	250.000M3
Standard Area 1 : #1 = 727219439					Recovery =	96.33%
Standard Area 1 : #2 = 1707763696					Recovery =	96.20%
14) i 2154_1br2nb	2.282	2.311	700.5E6	1642.8E6	250.000	250.000M3
23) i 4268_1br2nb	2.282	2.311	700.5E6	1642.8E6	250.000	250.000M3
34) i 1248_1br2nb	2.282	2.311	700.5E6	1642.8E6	250.000	250.000M3
40) i 3262_1br2nb	2.282	2.311	700.5E6	1642.8E6	250.000	250.000M3
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.805f	2.983	765.5E6	1659.1E6	234.669	223.887M3
Spiked Amount 500.000 Range 30 - 150					Recovery =	46.93% 44.78%
3) s Decachlorobi	6.936f	7.489f	638.6E6	1165.8E6	278.706M4	280.729M3
Spiked Amount 500.000 Range 30 - 150					Recovery =	55.74% 56.15%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.102f	5.580f	39081414	75870914	249.098M4	229.698M3
10) l2 1260-2	5.309f	0.000	49382531	0	204.851M2	N.D. d
11) l2 1260-3	0.000	6.259f	0	66413105	N.D. d	216.529M5
12) l2 1260-4	5.990f	6.426f	89777340	134.3E6	255.099M2	210.031M3
13) l2 1260-5	6.190f	6.684f	75017595	91435551	325.470M4	211.703M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-03.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 1:08 pm
 Operator : pest16:cw
 Sample : 12006705-01,42e,,p
 Misc : wg1341805,wg1341196,ical16473
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 17:57:11 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1				253.3E6	368.1E6	1034.518	867.961
Average 1260-1						258.629	216.990
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D.	N.D. d
Sum 1221-2				0	0	N.D.	N.D.
Average 1221-2						0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1254-1				0	0	N.D.	N.D.
Average 1254-1						0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D.	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1				0	0	N.D.	N.D.
Average 1242-1						0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1				0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-03.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 1:08 pm
 Operator : pest16:cw
 Sample : 12006705-01,42e,,p
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 17:57:11 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D.	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-03.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 1:08 pm
 Operator : pest16:cw
 Sample : 12006705-01,42e,,p
 Misc : wgl341805,wgl341196,ical16473
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 17:57:11 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

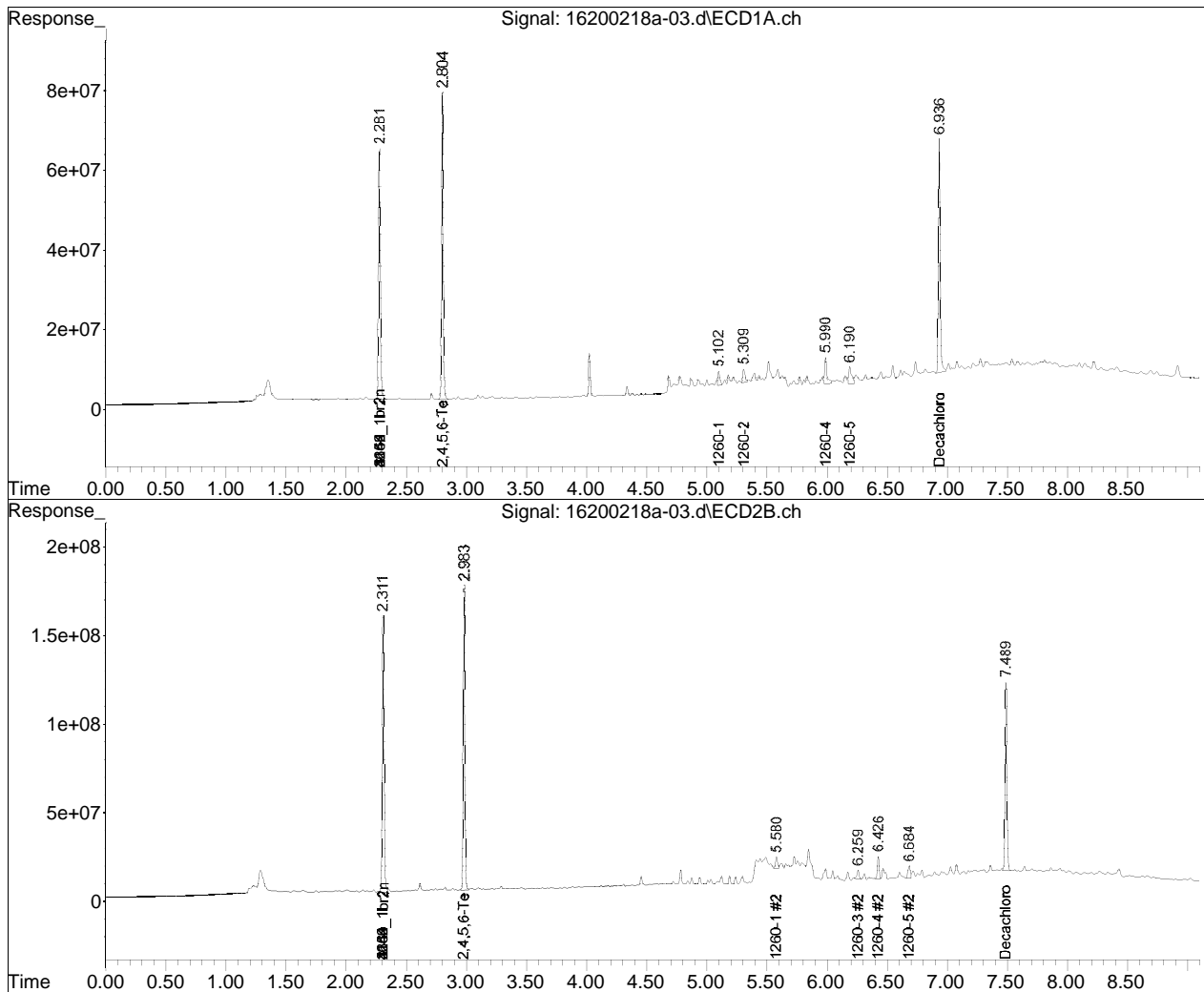
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 1:08 pm
Operator : pest16:cw
Sample : 12006705-01,42e,,p
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 17:57:11 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

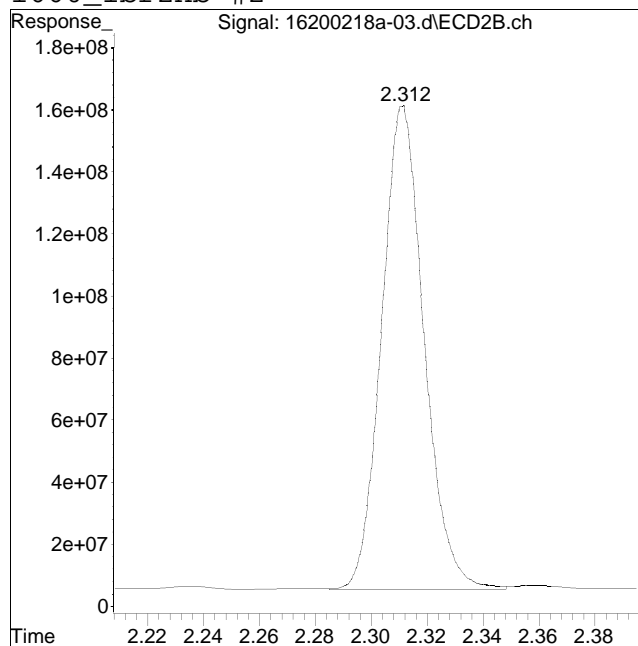
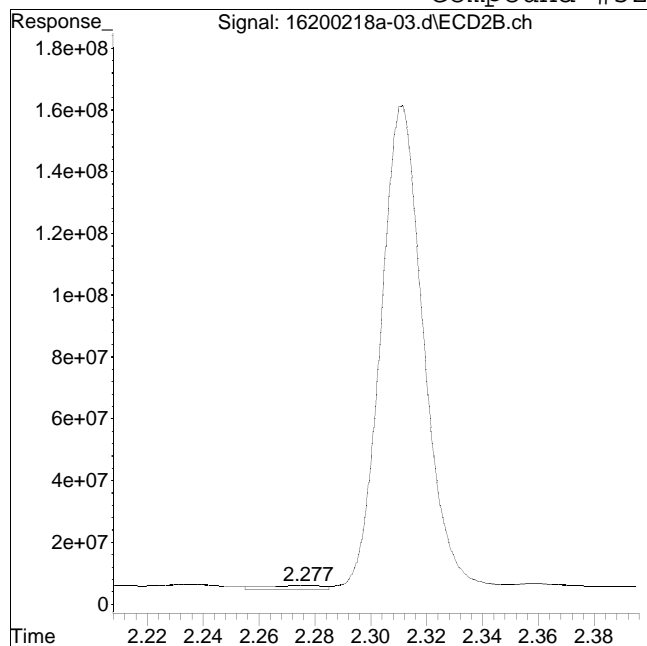


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Date Inj'd : 2/18/2020 1:08 pm
Sample : 12006705-01,42e,,p

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 20200371

Manual Peak Response = 1642786670 M3

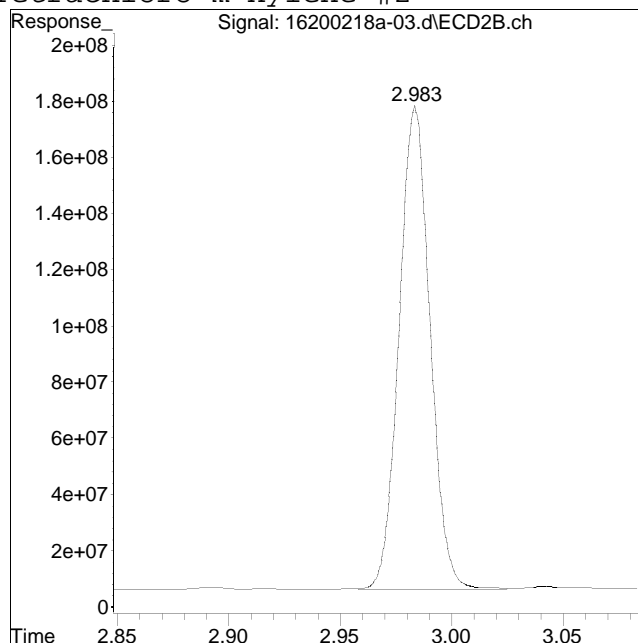
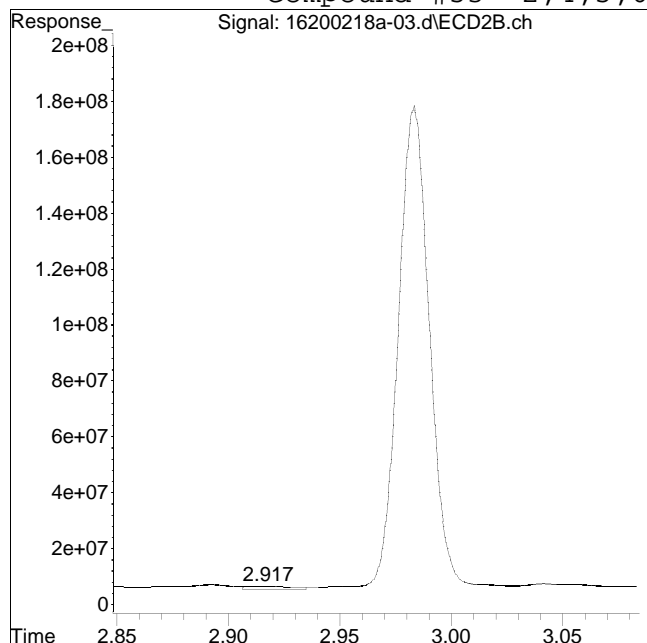
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Date Inj'd : 2/18/2020 1:08 pm
Sample : 12006705-01,42e,,p

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 17899847

Manual Peak Response = 1659066126 M3

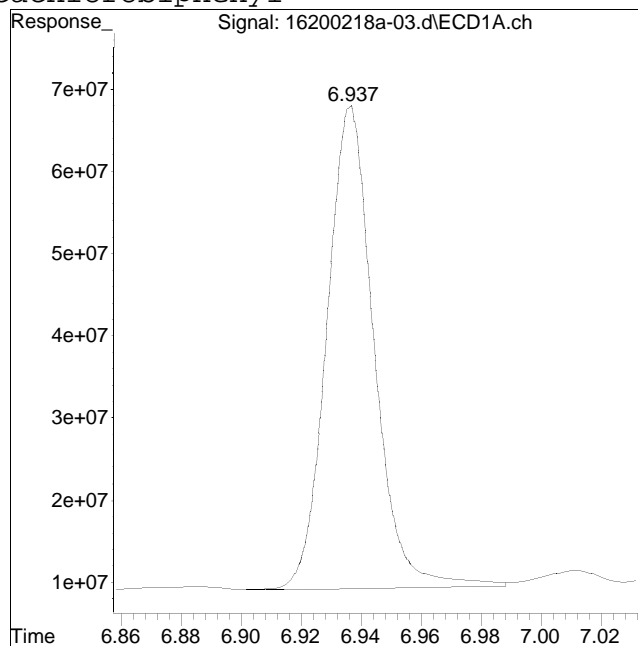
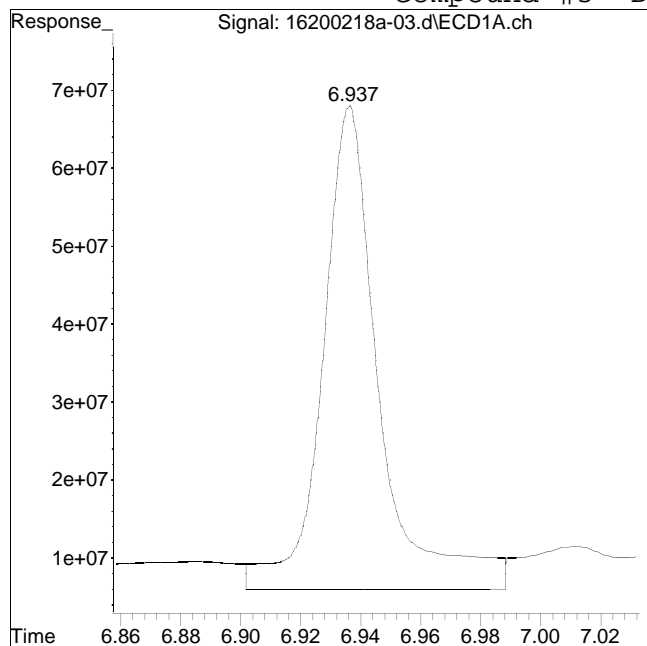
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Date Inj'd : 2/18/2020 1:08 pm
Sample : 12006705-01,42e,,p

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 813819385

Manual Peak Response = 638621698 M4

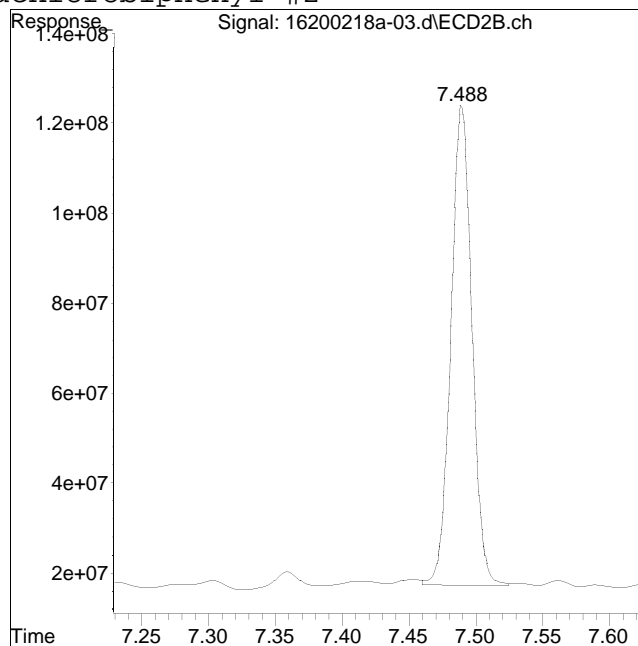
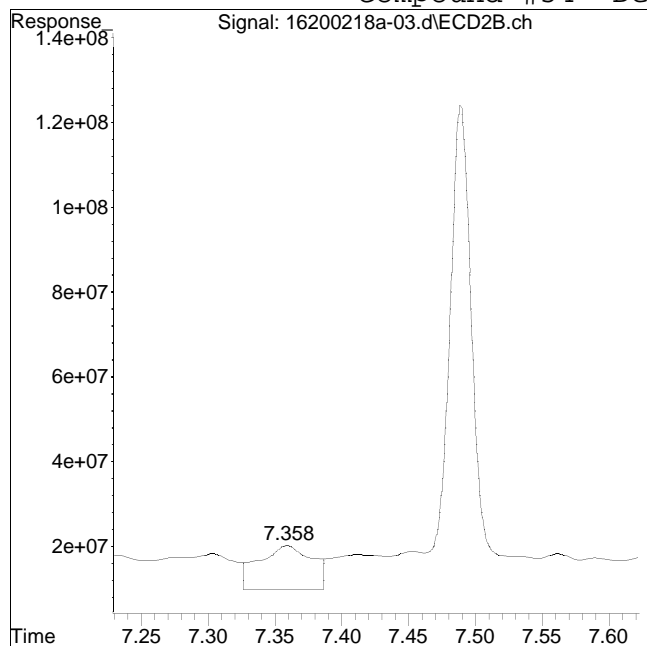
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Date Inj'd : 2/18/2020 1:08 pm
Sample : 12006705-01,42e,,p

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 286327239

Manual Peak Response = 1165811226 M3

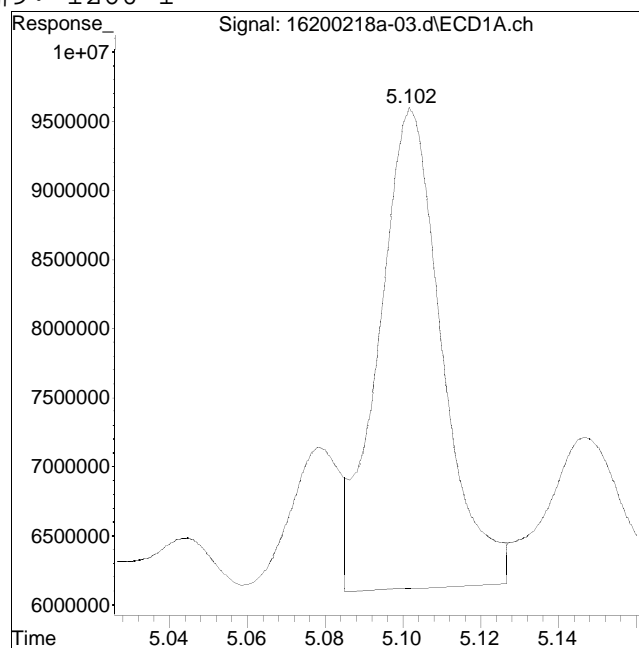
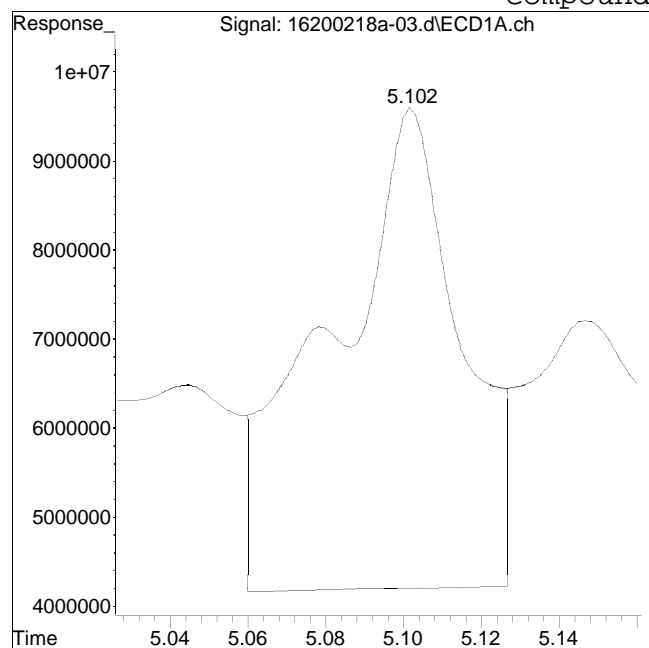
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Date Inj'd : 2/18/2020 1:08 pm
Sample : 12006705-01,42e,,p

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #9: 1260-1



Original Peak Response = 126445599

Manual Peak Response = 39081414 M4

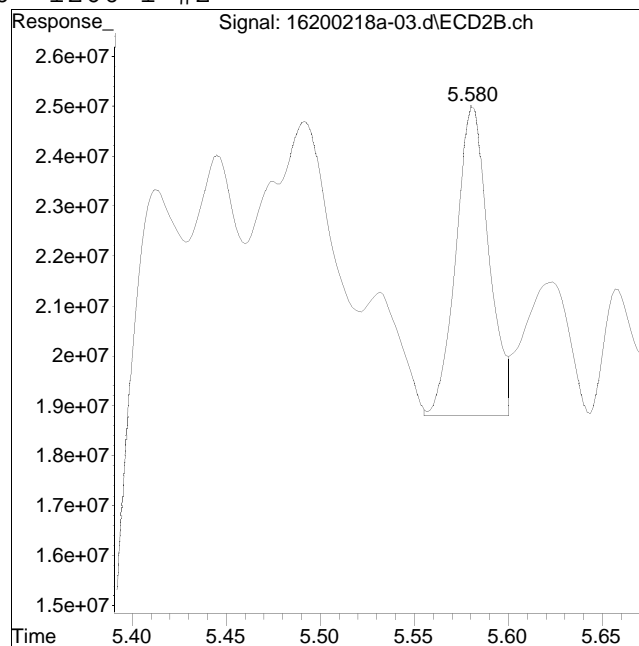
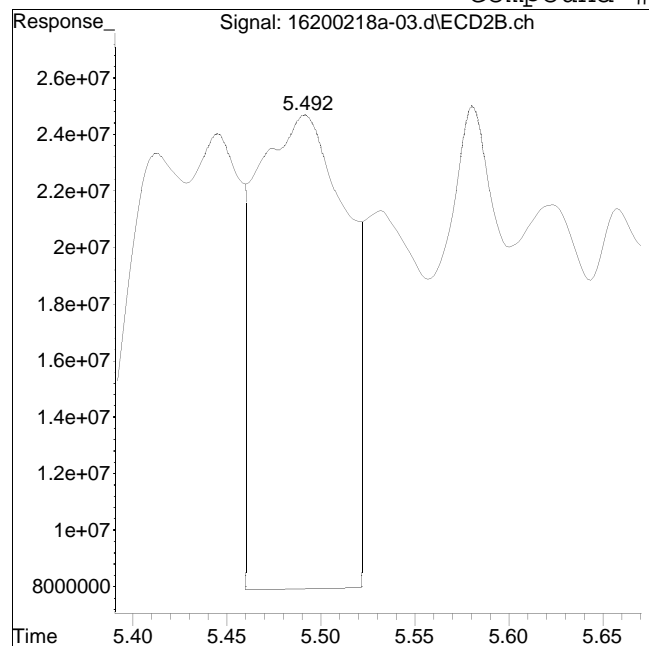
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Date Inj'd : 2/18/2020 1:08 pm
Sample : 12006705-01,42e,,p

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #60: 1260-1 #2



Original Peak Response = 557905779

Manual Peak Response = 75870914 M3

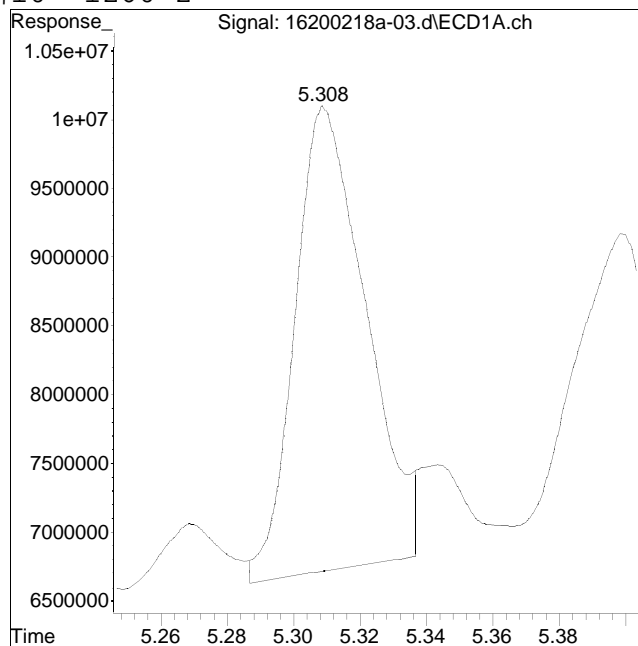
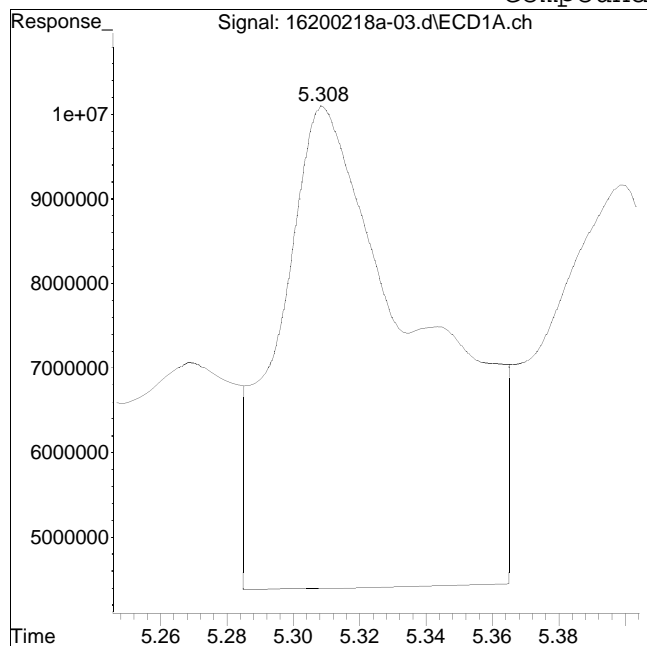
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Date Inj'd : 2/18/2020 1:08 pm
Sample : 12006705-01,42e,,p

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #10: 1260-2



Original Peak Response = 168904178

Manual Peak Response = 49382531 M2

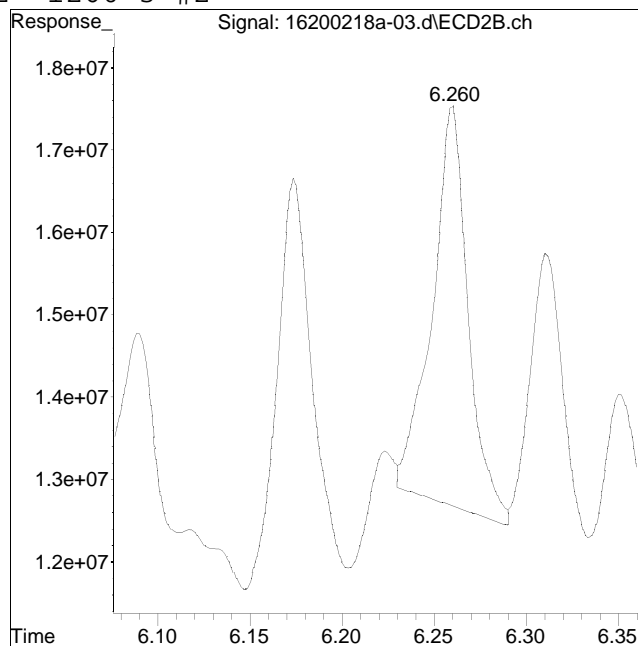
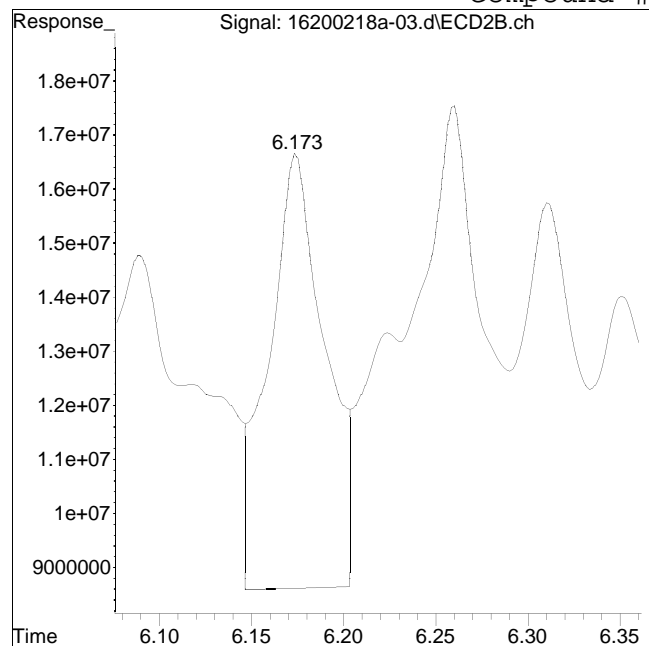
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Date Inj'd : 2/18/2020 1:08 pm
Sample : 12006705-01,42e,,p

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #62: 1260-3 #2



Original Peak Response = 170426483

Manual Peak Response = 66413105 M5

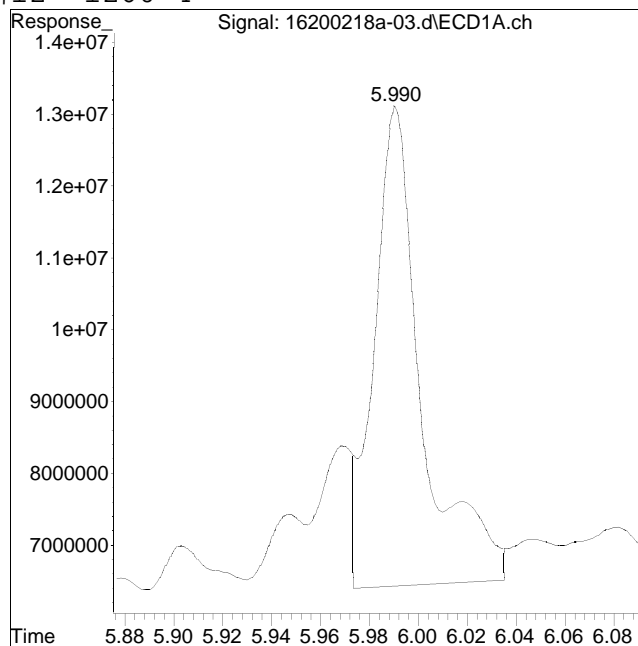
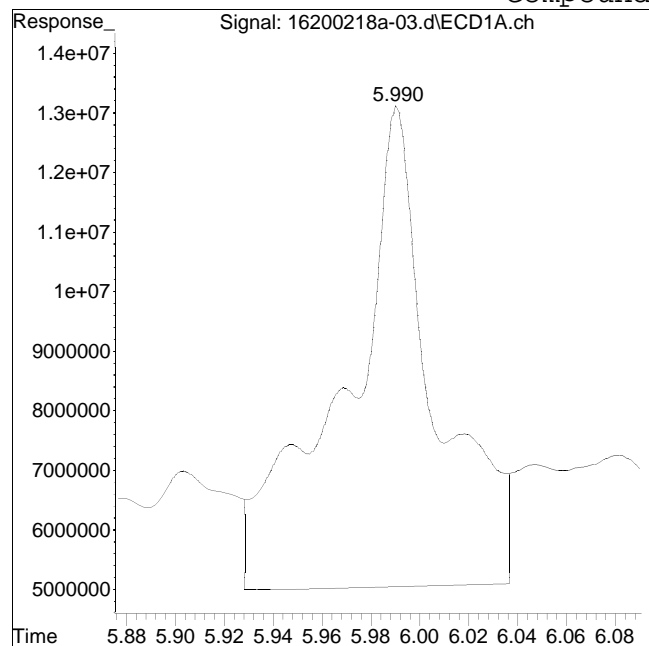
M5 = Manual integration over a retention time range required, i.e. for hydrocarbon range methods.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Date Inj'd : 2/18/2020 1:08 pm
Sample : 12006705-01,42e,,p

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #12: 1260-4



Original Peak Response = 207949382

Manual Peak Response = 89777340 M2

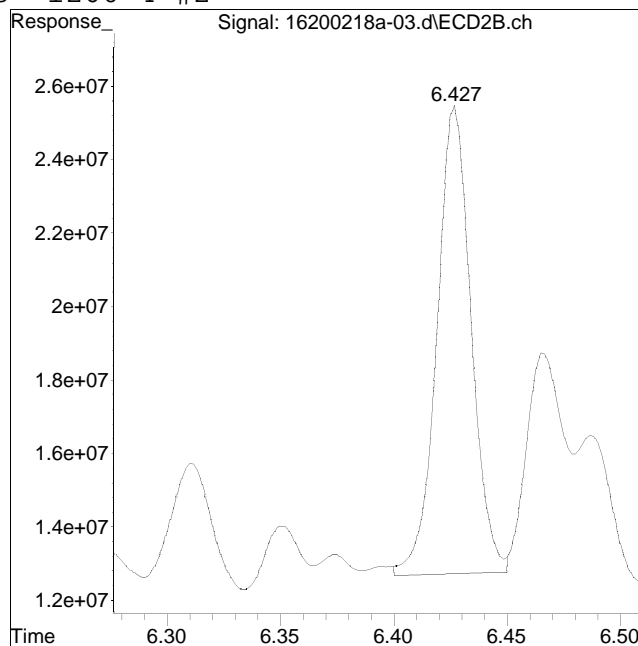
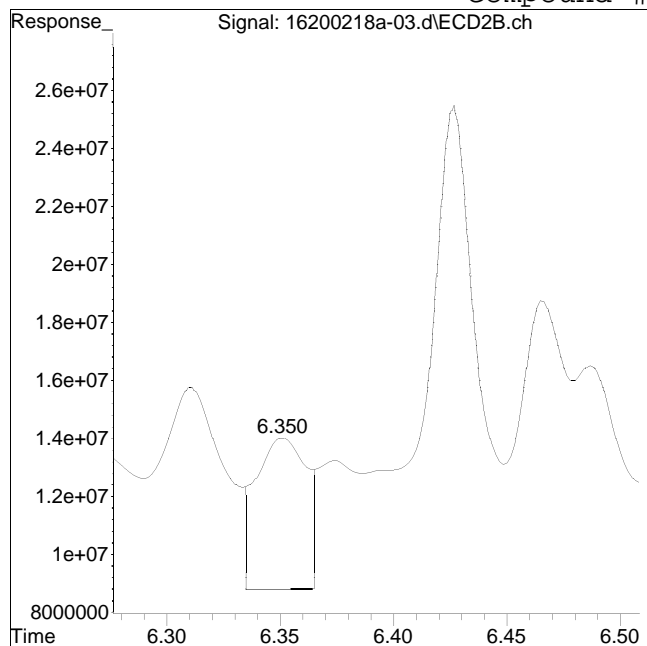
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Date Inj'd : 2/18/2020 1:08 pm
Sample : 12006705-01,42e,,p

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #63: 1260-4 #2



Original Peak Response = 83594234

Manual Peak Response = 134342314 M3

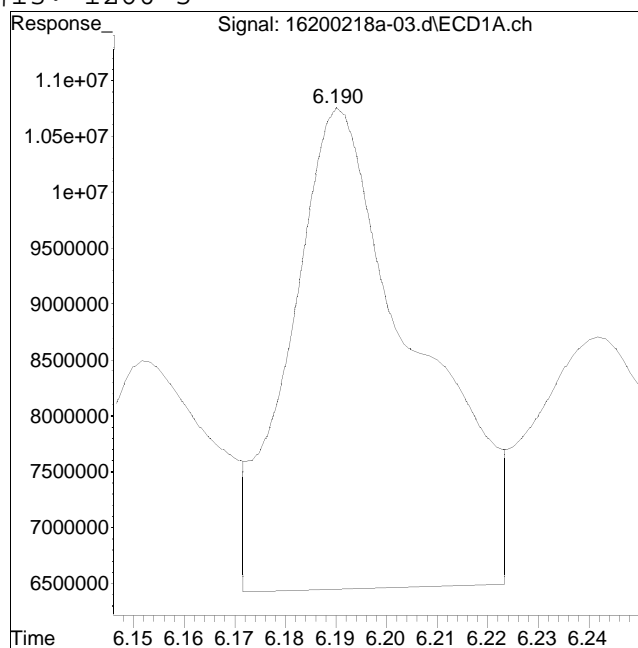
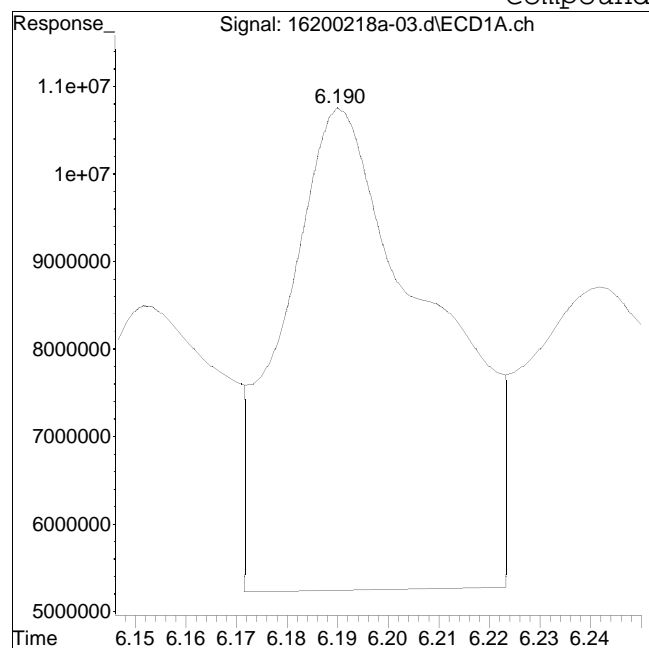
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Date Inj'd : 2/18/2020 1:08 pm
Sample : 12006705-01,42e,,p

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #13: 1260-5



Original Peak Response = 112355674

Manual Peak Response = 75017595 M4

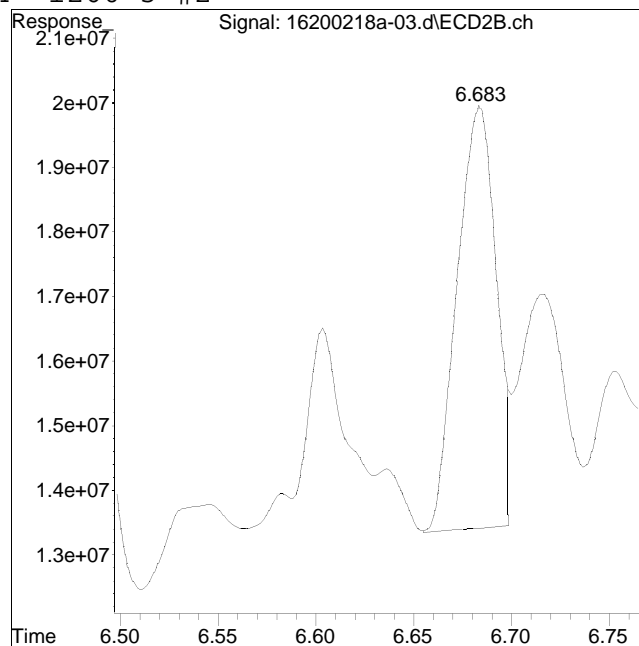
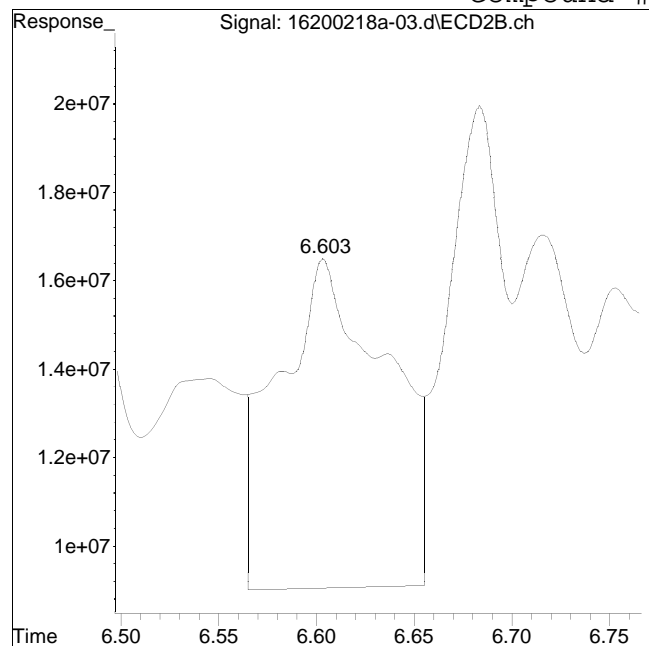
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-03.d
Date Inj'd : 2/18/2020 1:08 pm
Sample : 12006705-01,42e,,p

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #64: 1260-5 #2



Original Peak Response = 290805520

Manual Peak Response = 91435551 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-06.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 1:43 pm
 Operator : pest16:cw
 Sample : l2006705-02,42e,,cc
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:05:16 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.256	2.291	602.7E6	1466.5E6	250.000	250.000
Standard Area 1 : #1 = 727219439					Recovery =	82.88%
Standard Area 1 : #2 = 1707763696					Recovery =	85.87%
14) i 2154_1br2nb	2.256	2.291	602.7E6	1466.5E6	250.000	250.000
23) i 4268_1br2nb	2.256	2.291	602.7E6	1466.5E6	250.000	250.000
34) i 1248_1br2nb	2.256	2.291	602.7E6	1466.5E6	250.000	250.000
40) i 3262_1br2nb	2.256	2.291	602.7E6	1466.5E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.771	2.957	829.6E6	1782.7E6	295.583	269.492
Spiked Amount 500.000 Range 30 - 150					Recovery =	59.12%
3) s Decachlorobi	6.874	7.417	549.4E6	1031.6E6	278.681M4	278.268M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	55.74%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.058	5.548	56466349	129.3E6	418.296	438.619M4
10) l2 1260-2	5.262	5.693	92341679	147.7E6	445.202M4	430.002M4
11) l2 1260-3	5.728	6.223	53703942	120.4E6	413.849M4	439.605M4
12) l2 1260-4	5.943	6.387	149.8E6	260.7E6	494.706M2	456.561M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-06.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 1:43 pm
 Operator : pest16:cw
 Sample : 12006705-02,42e,,cc
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:05:16 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) 12	1260-5	6.143	6.640	96706456	184.5E6	487.639M4	478.548M4
	Sum 1260-1			449.0E6	842.6E6	2259.693	2243.336
	Average 1260-1					451.939	448.667
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-06.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 1:43 pm
 Operator : pest16:cw
 Sample : 12006705-02,42e,,cc
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:05:16 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1	0	0	N.D.	N.D.
Average 1262-1			0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-06.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 1:43 pm
 Operator : pest16:cw
 Sample : 12006705-02,42e,,cc
 Misc : wgl341805,wgl341196,ical16473
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:05:16 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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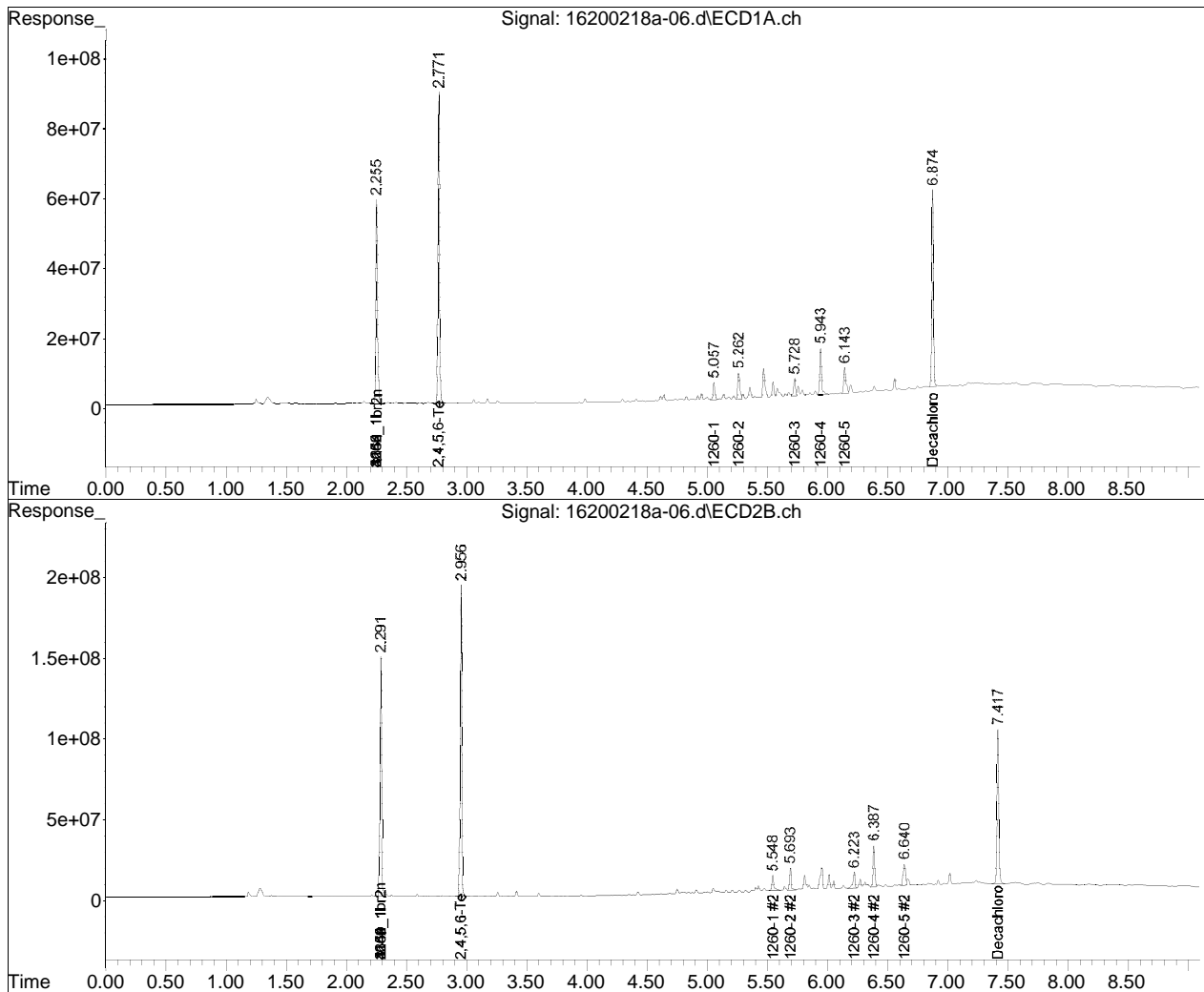
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 1:43 pm
Operator : pest16:cw
Sample : 12006705-02,42e,,cc
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:05:16 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

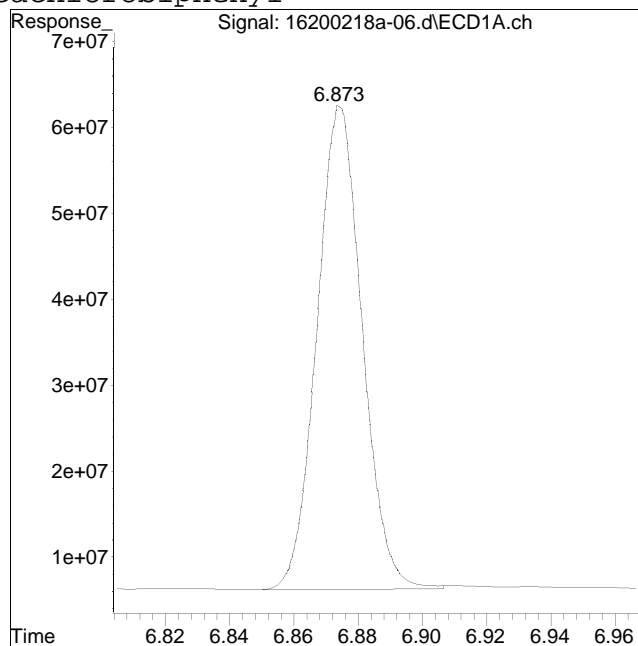
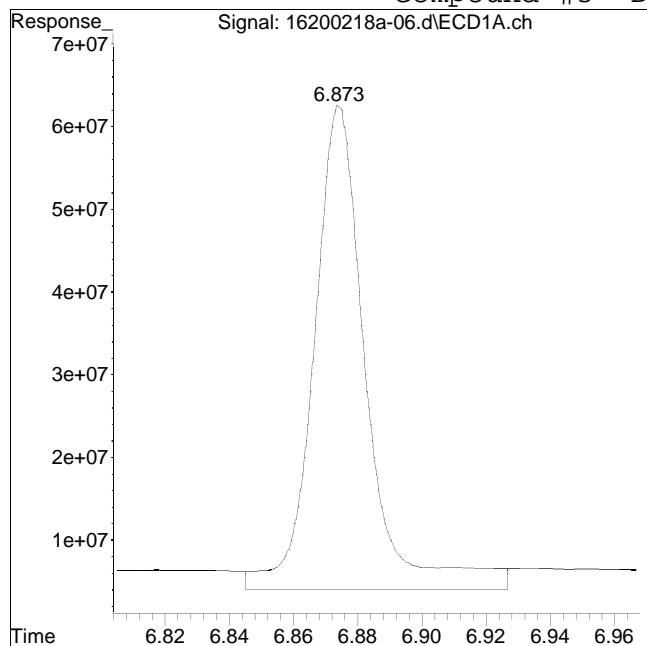


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-06.d
Date Inj'd : 2/18/2020 1:43 pm
Sample : 12006705-02,42e,,cc

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 664523290

Manual Peak Response = 549428626 M4

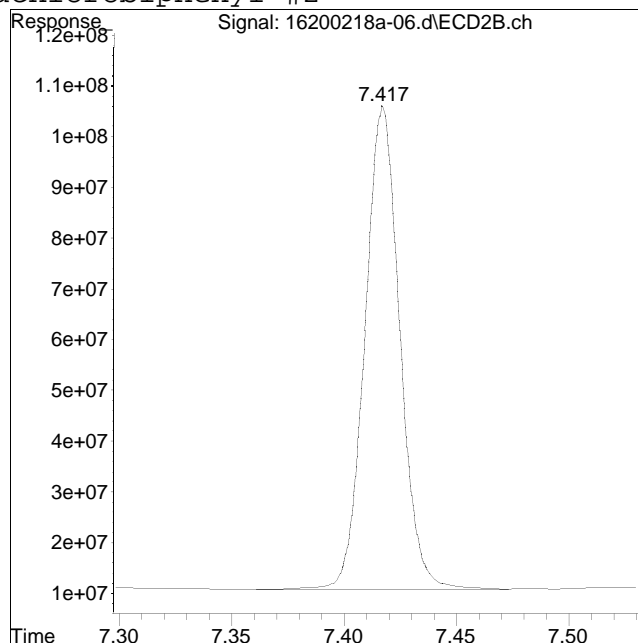
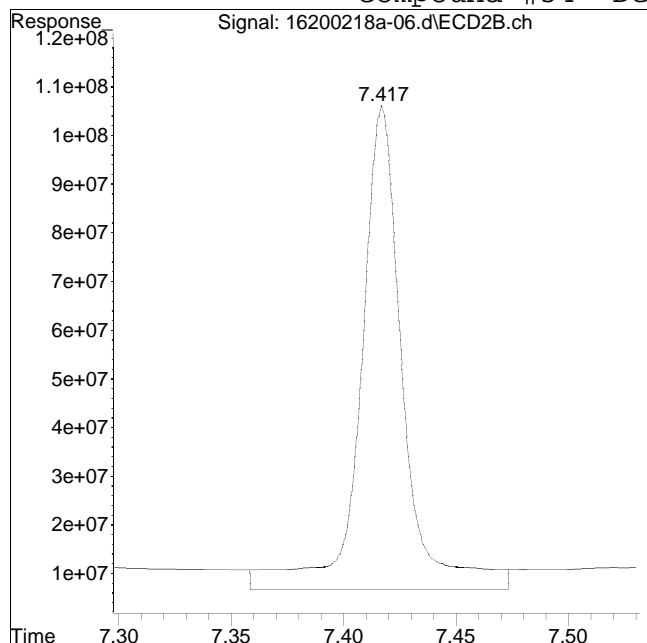
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-06.d
Date Inj'd : 2/18/2020 1:43 pm
Sample : 12006705-02,42e,,cc

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1307910107

Manual Peak Response = 1031598284 M4

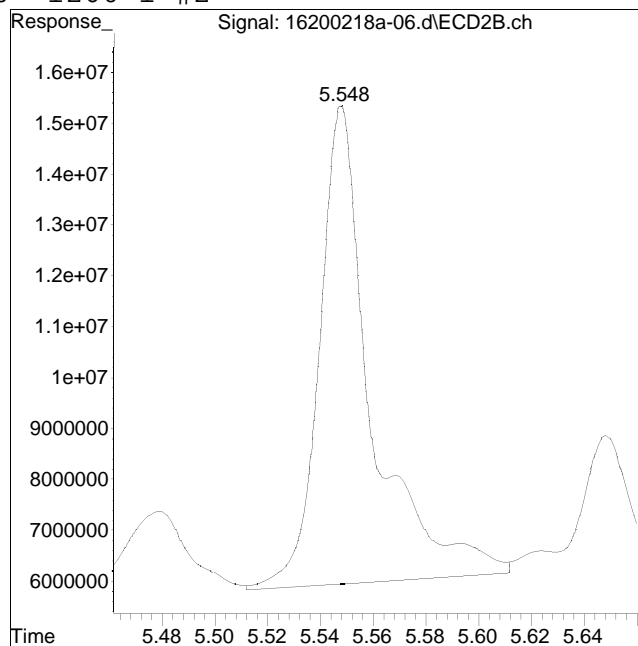
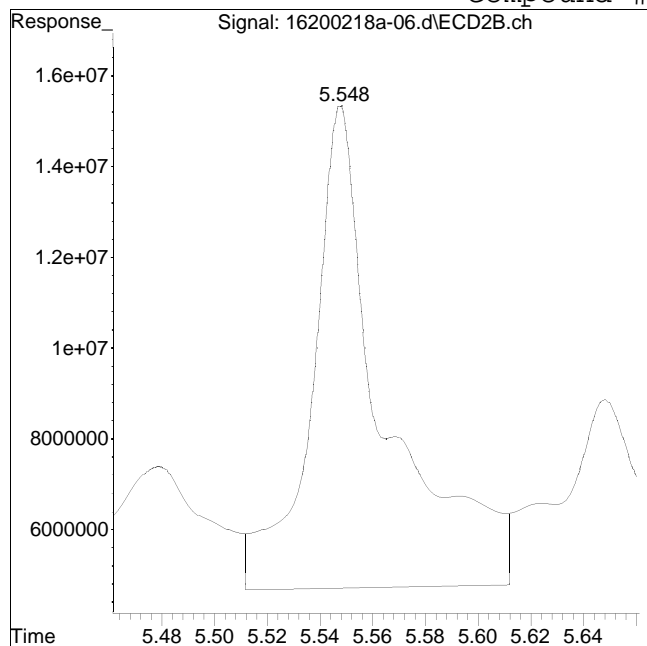
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-06.d
Date Inj'd : 2/18/2020 1:43 pm
Sample : 12006705-02,42e,,cc

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #60: 1260-1 #2



Original Peak Response = 204451185

Manual Peak Response = 129334094 M4

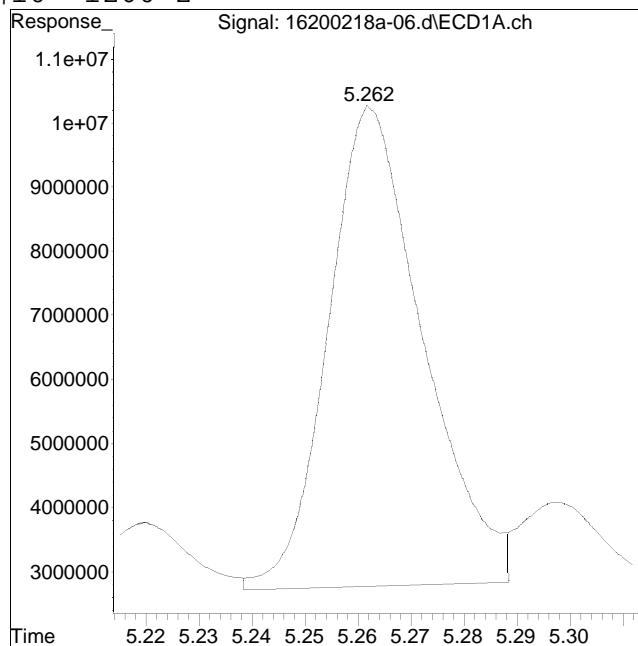
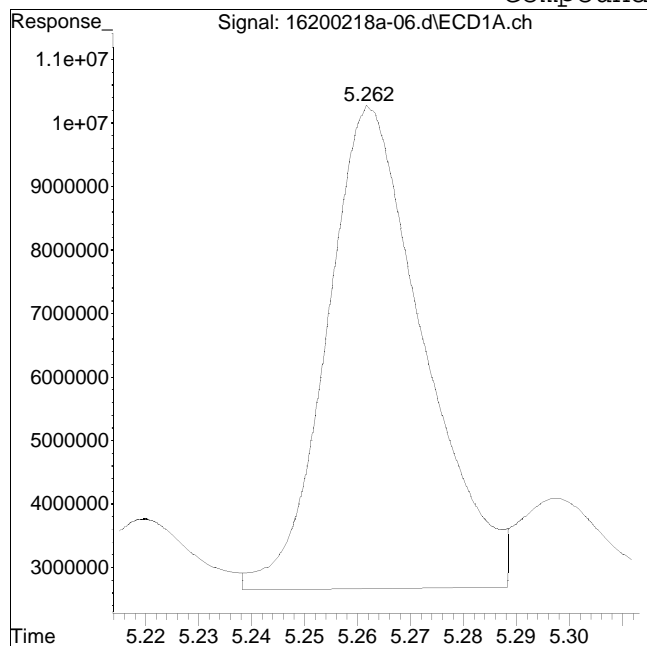
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-06.d
Date Inj'd : 2/18/2020 1:43 pm
Sample : 12006705-02,42e,,cc

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #10: 1260-2



Original Peak Response = 95964566

Manual Peak Response = 92341679 M4

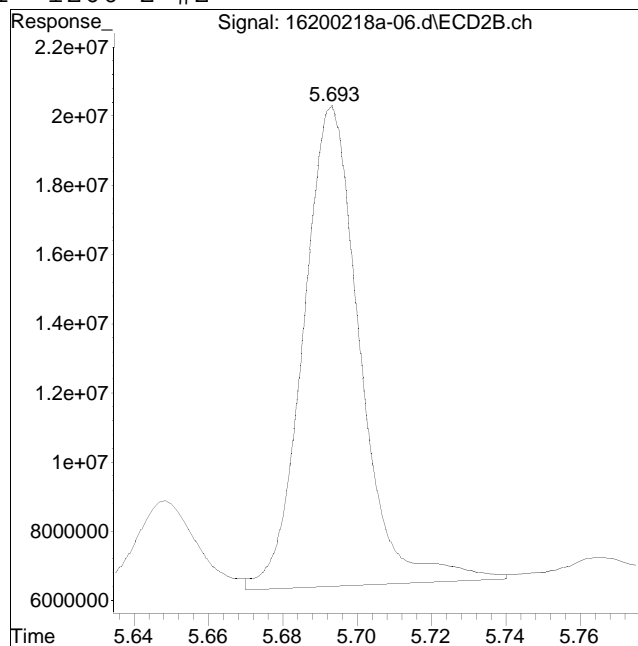
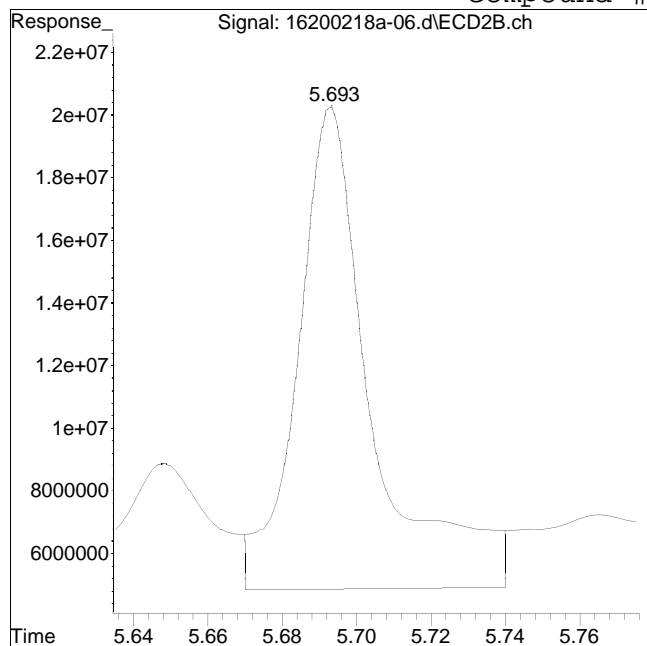
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-06.d
Date Inj'd : 2/18/2020 1:43 pm
Sample : 12006705-02,42e,,cc

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #61: 1260-2 #2



Original Peak Response = 214510655

Manual Peak Response = 147713583 M4

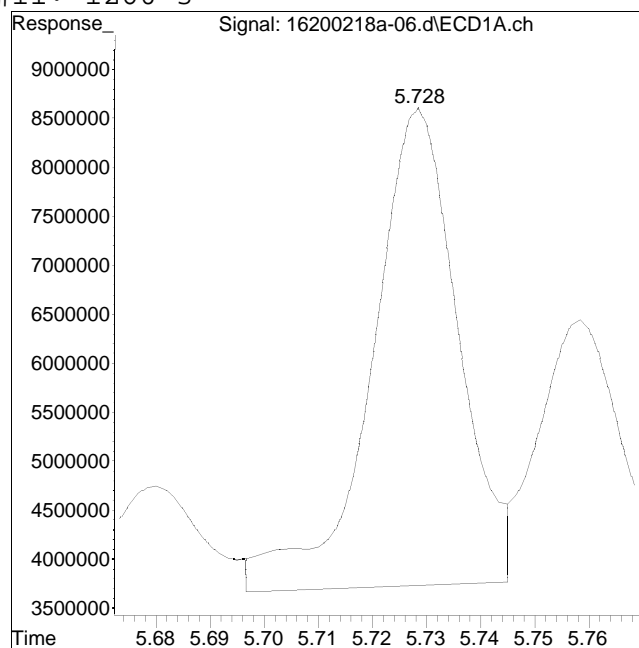
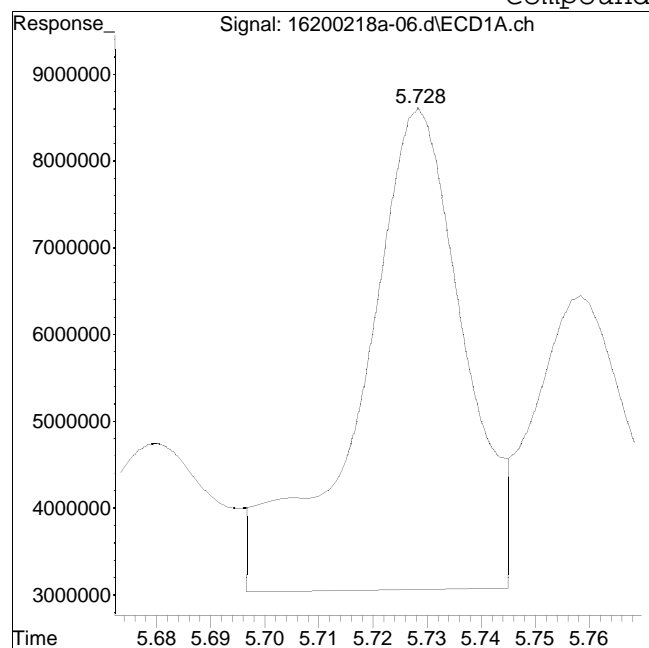
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-06.d
Date Inj'd : 2/18/2020 1:43 pm
Sample : 12006705-02,42e,,cc

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #11: 1260-3



Original Peak Response = 73404184

Manual Peak Response = 53703942 M4

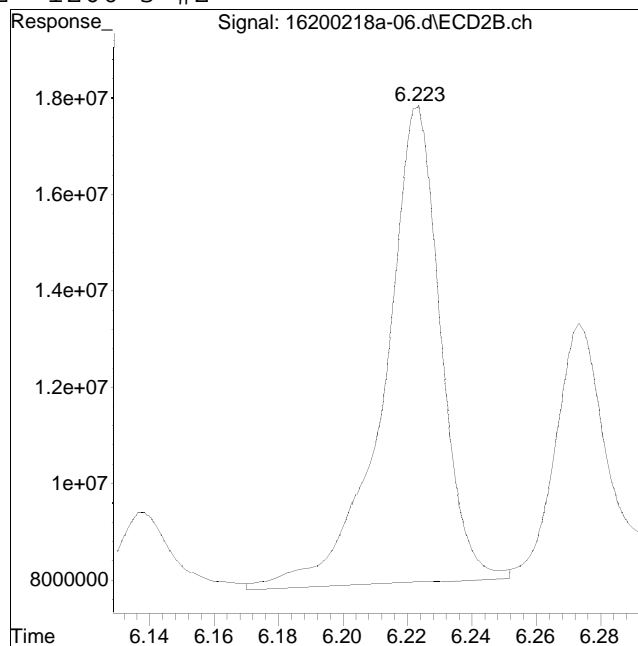
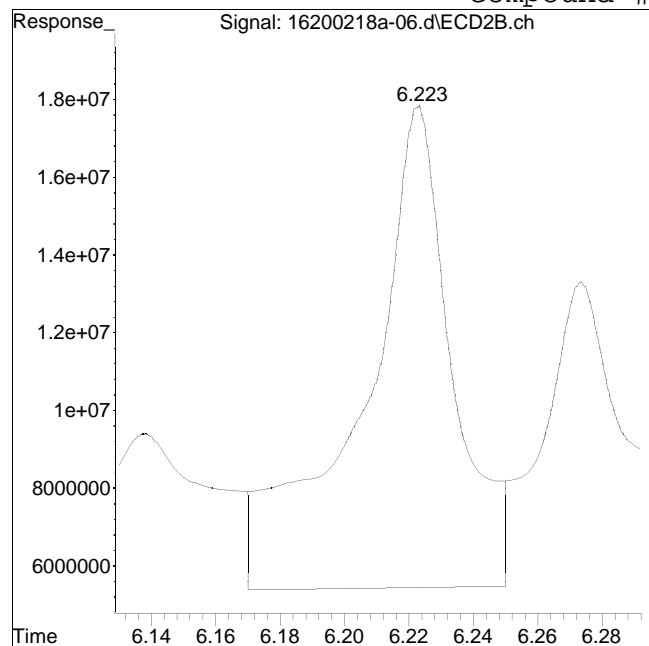
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-06.d
Date Inj'd : 2/18/2020 1:43 pm
Sample : 12006705-02,42e,,cc

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #62: 1260-3 #2



Original Peak Response = 239407883

Manual Peak Response = 120366933 M4

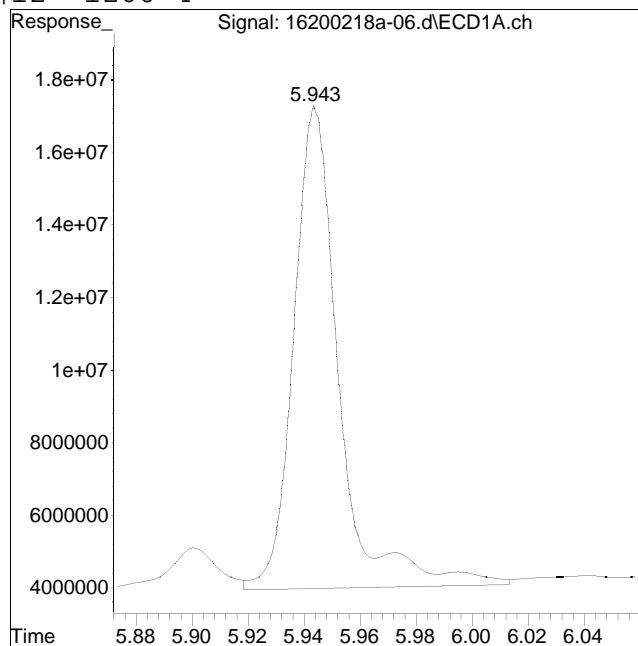
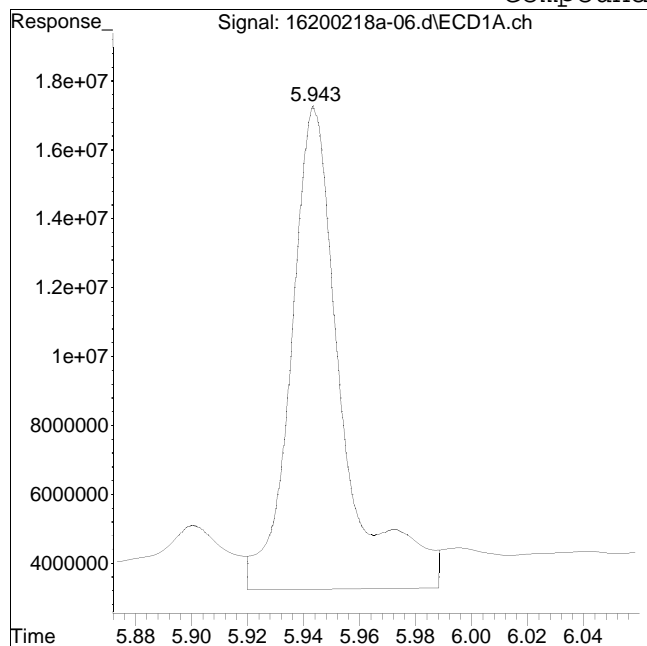
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-06.d
Date Inj'd : 2/18/2020 1:43 pm
Sample : 12006705-02,42e,,cc

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #12: 1260-4



Original Peak Response = 176487452

Manual Peak Response = 149799556 M2

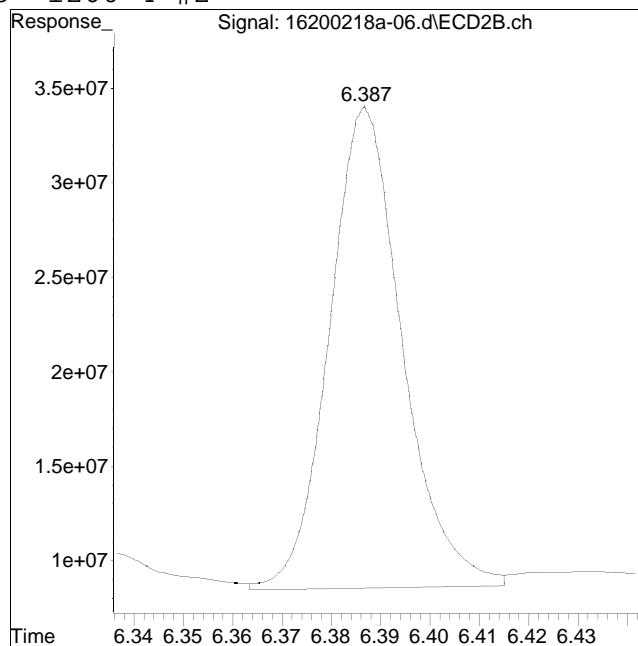
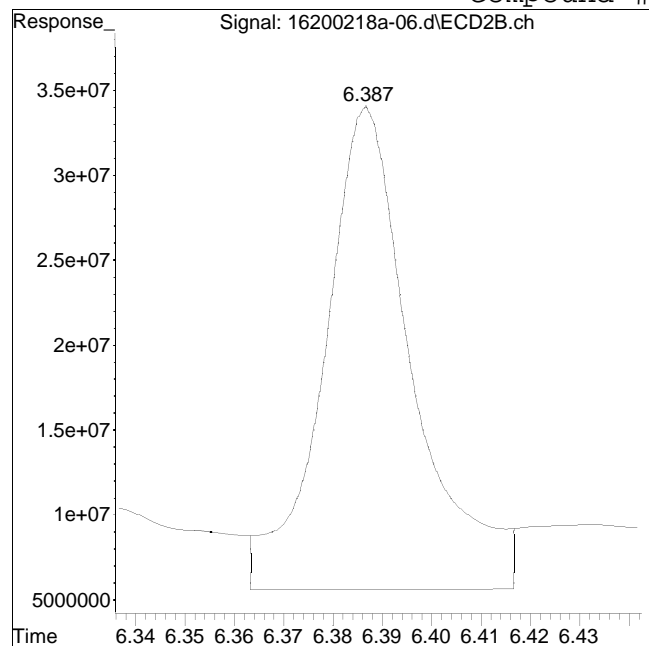
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-06.d
Date Inj'd : 2/18/2020 1:43 pm
Sample : 12006705-02,42e,,cc

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #63: 1260-4 #2



Original Peak Response = 354383056

Manual Peak Response = 260696857 M4

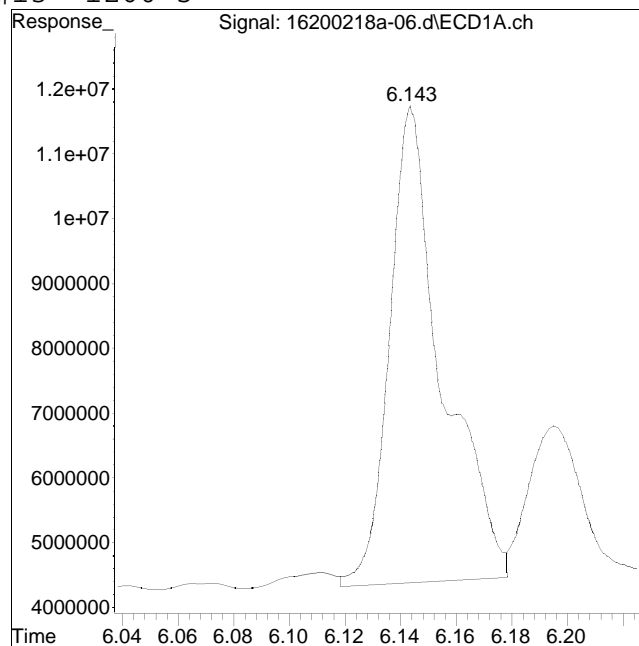
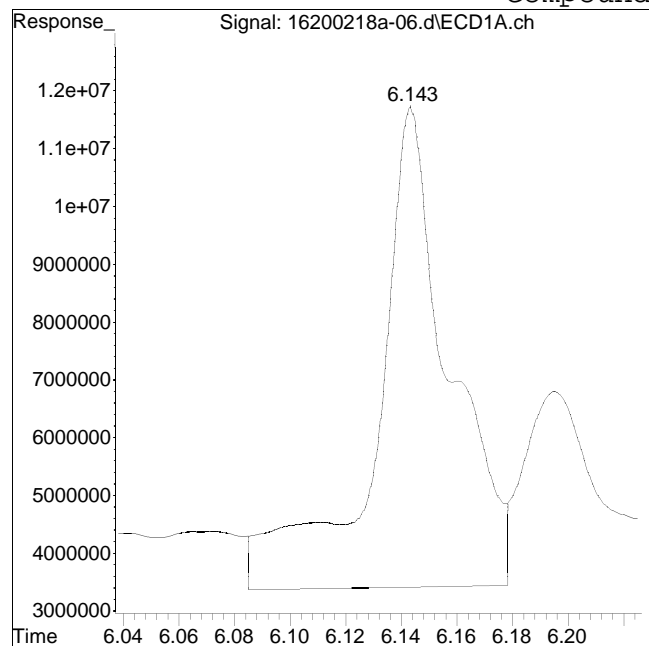
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-06.d
Date Inj'd : 2/18/2020 1:43 pm
Sample : 12006705-02,42e,,cc

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #13: 1260-5



Original Peak Response = 153047844

Manual Peak Response = 96706456 M4

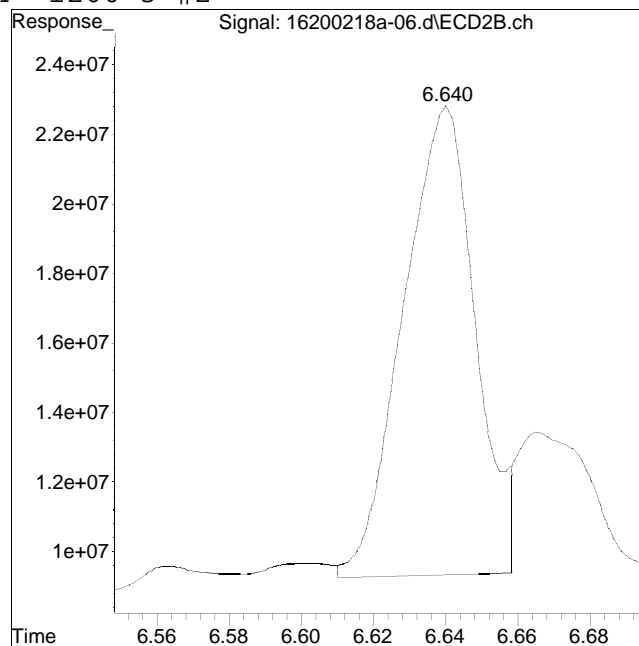
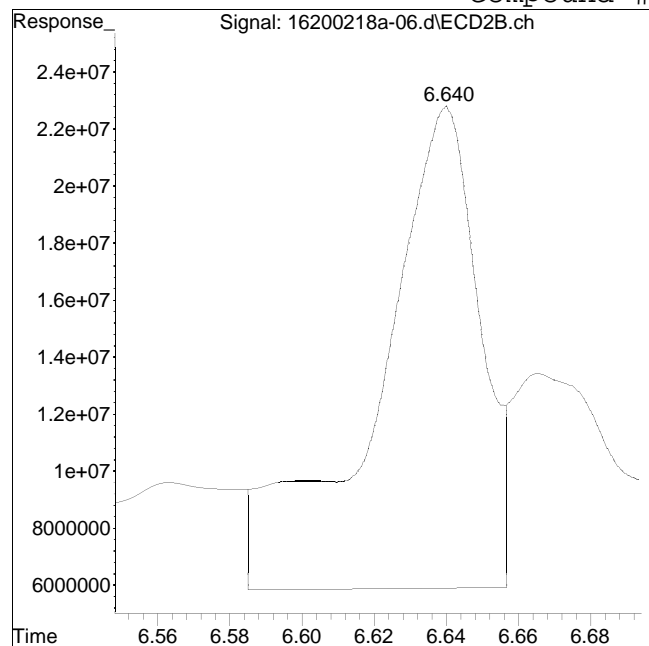
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-06.d
Date Inj'd : 2/18/2020 1:43 pm
Sample : 12006705-02,42e,,cc

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #64: 1260-5 #2



Original Peak Response = 334203686

Manual Peak Response = 184510194 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-07.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 1:55 pm
 Operator : pest16:cw
 Sample : 12006705-04,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:08:09 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.254	2.290	564.9E6	1342.9E6	250.000M2	250.000
Standard Area 1 : #1 = 727219439					Recovery =	77.68%
Standard Area 1 : #2 = 1707763696					Recovery =	78.64%
14) i 2154_1br2nb	2.254	2.290	564.9E6	1342.9E6	250.000M2	250.000
23) i 4268_1br2nb	2.254	2.290	564.9E6	1342.9E6	250.000M2	250.000
34) i 1248_1br2nb	2.254	2.290	564.9E6	1342.9E6	250.000M2	250.000
40) i 3262_1br2nb	2.254	2.290	564.9E6	1342.9E6	250.000M2	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.770	2.956	798.1E6	1722.5E6	303.380	284.356
Spiked Amount 500.000 Range 30 - 150					Recovery =	60.68% 56.87%
3) s Decachlorobi	6.872	7.414	661.3E6	1074.1E6	357.907M4	316.402M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	71.58% 63.28%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.057	5.547	257.6E6	481.4E6	2035.941	1782.754M4
10) l2 1260-2	5.261	5.692	480.7E6	715.3E6	2472.851	2274.024M4
11) l2 1260-3	5.727	0.000	264.1E6	0	2171.419M4	N.D. d
12) l2 1260-4	5.942	6.385	683.3E6	1298.4E6	2407.642M4	2483.231M4
13) l2 1260-5	6.141	6.637	497.1E6	916.8E6	2674.853M2	2596.765M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-07.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 1:55 pm
 Operator : pest16:cw
 Sample : 12006705-04,42e,,
 Misc : wg1341805,wg1341196,ical16473
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:08:09 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1			2182.7E6	3411.9E6	11762.706	9136.773
Average 1260-1					2352.541	2284.193
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-07.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 1:55 pm
 Operator : pest16:cw
 Sample : 12006705-04,42e,,
 Misc : wg1341805,wg1341196,ical16473
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:08:09 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-07.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 1:55 pm
 Operator : pest16:cw
 Sample : 12006705-04,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:08:09 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

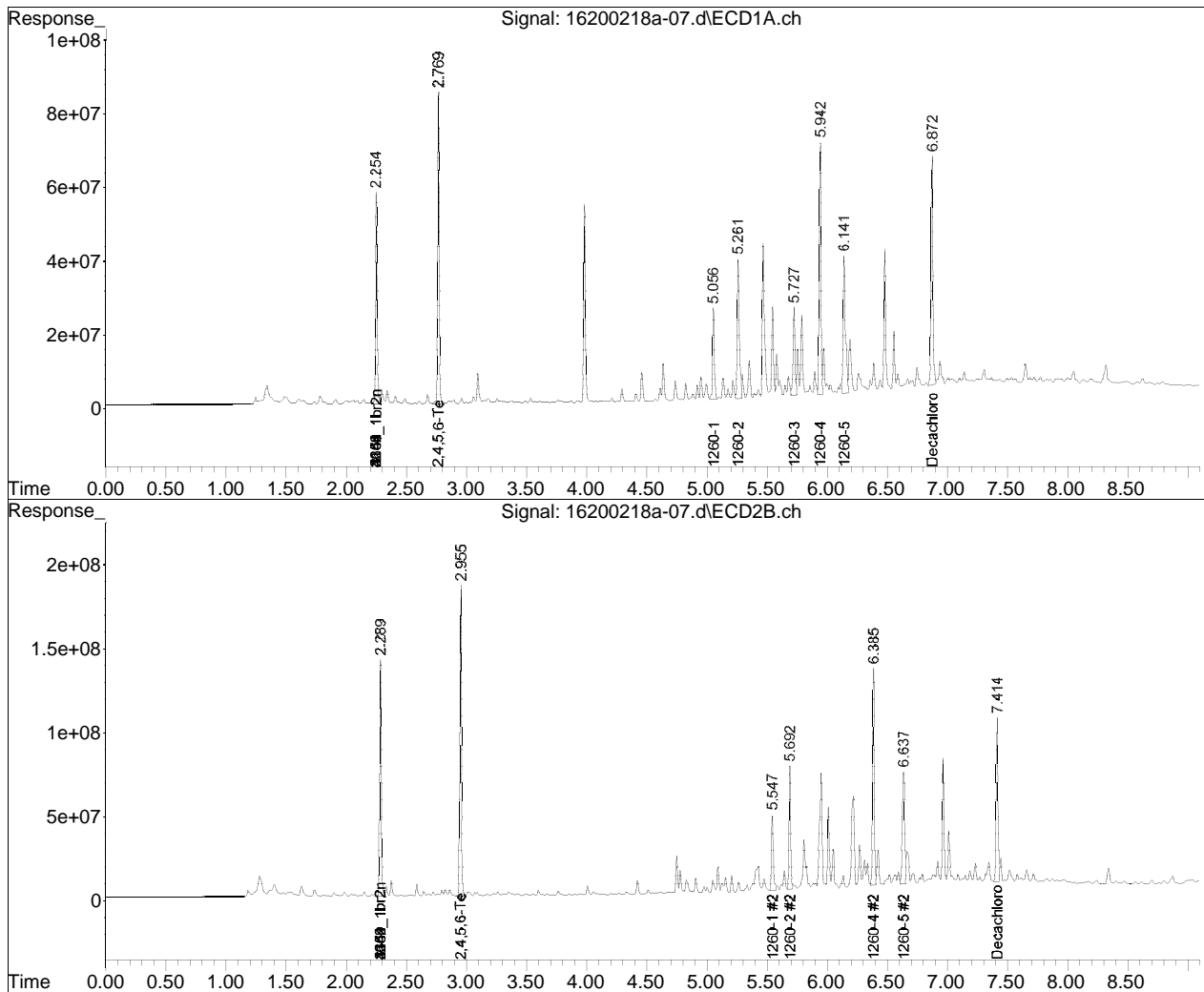
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 1:55 pm
Operator : pest16:cw
Sample : 12006705-04,42e,,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:08:09 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

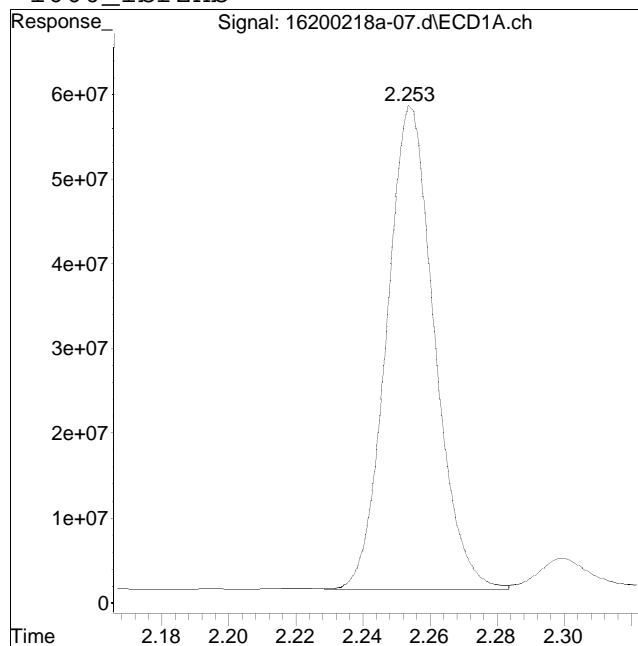
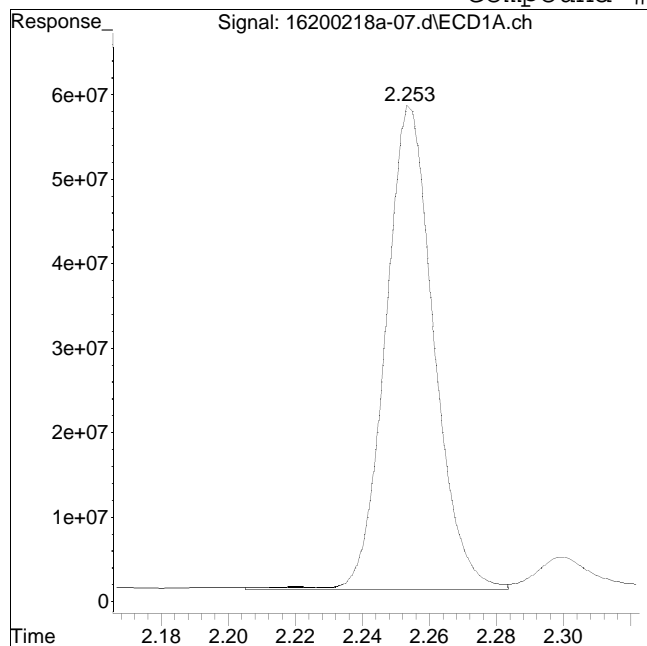


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-07.d
Date Inj'd : 2/18/2020 1:55 pm
Sample : 12006705-04,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #1: 1660_1br2nb



Original Peak Response = 573916804

Manual Peak Response = 564880390 M2

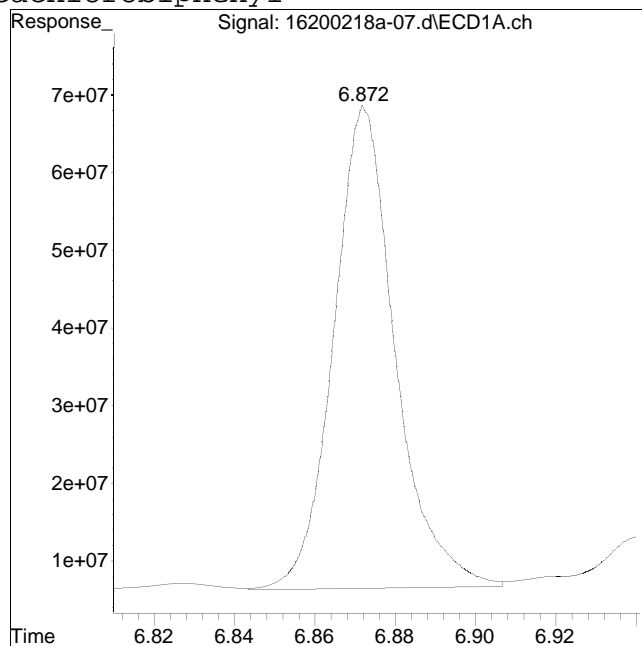
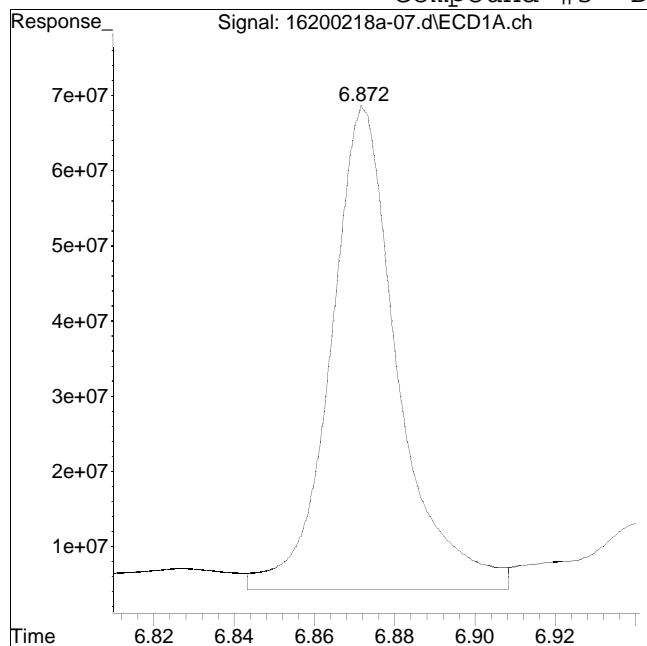
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-07.d
Date Inj'd : 2/18/2020 1:55 pm
Sample : 12006705-04,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 747670890

Manual Peak Response = 661305172 M4

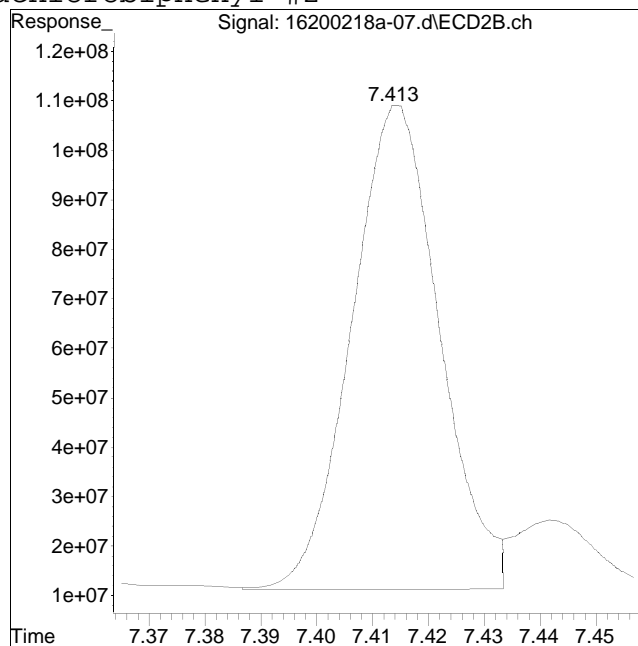
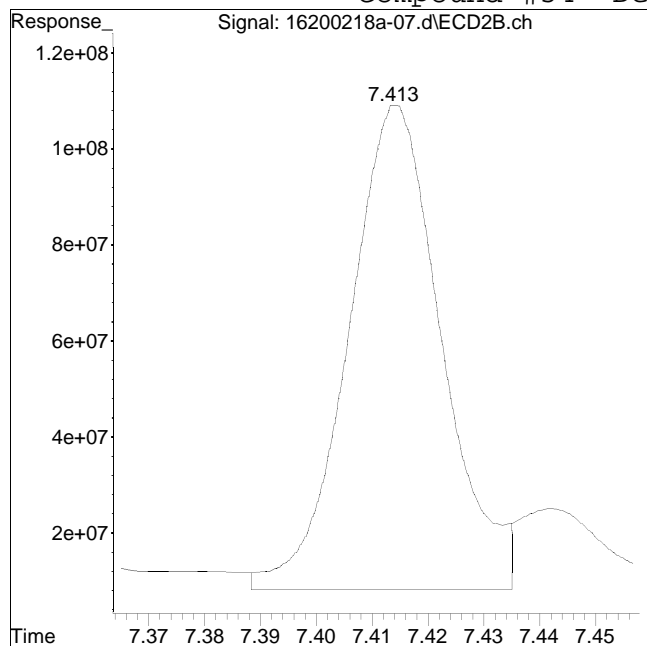
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-07.d
Date Inj'd : 2/18/2020 1:55 pm
Sample : 12006705-04,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1155217642

Manual Peak Response = 1074104490 M4

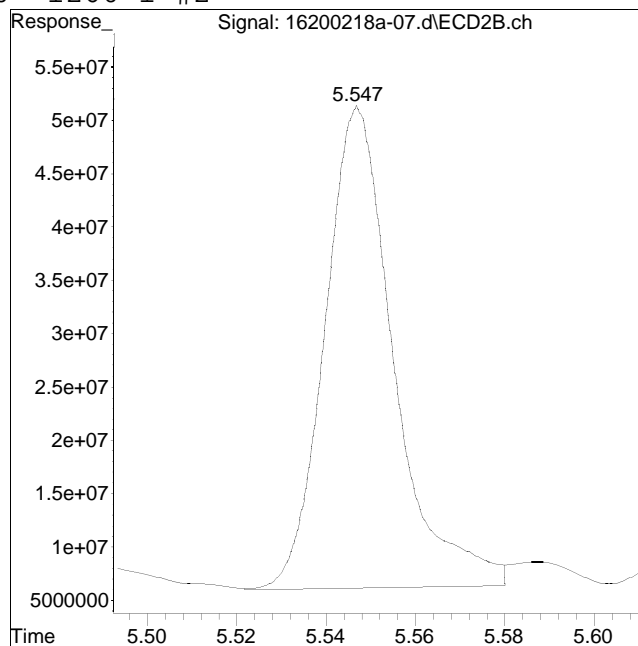
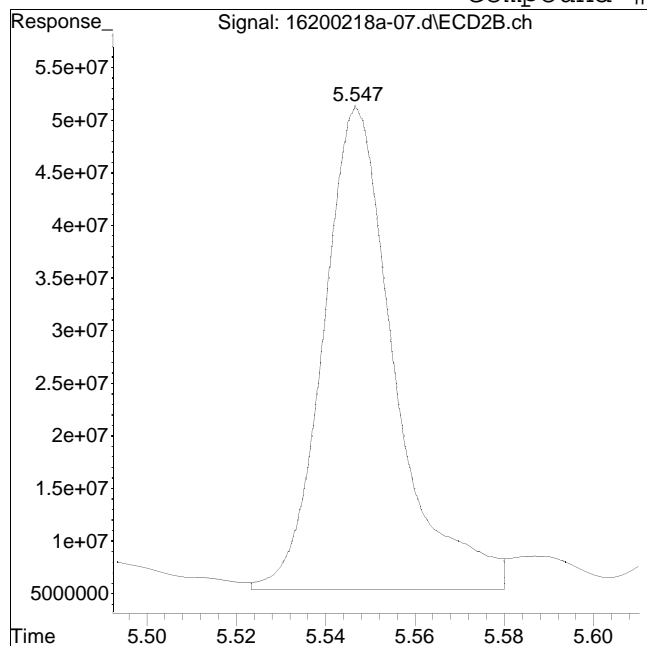
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-07.d
Date Inj'd : 2/18/2020 1:55 pm
Sample : 12006705-04,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #60: 1260-1 #2



Original Peak Response = 509555926

Manual Peak Response = 481366895 M4

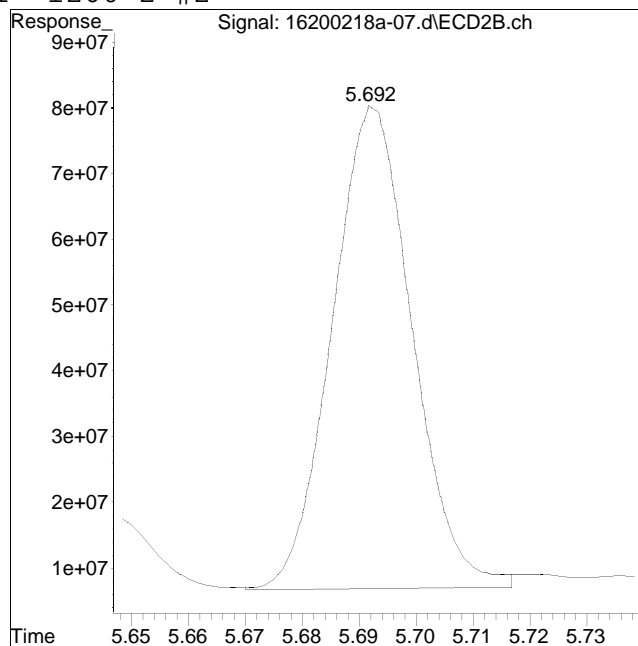
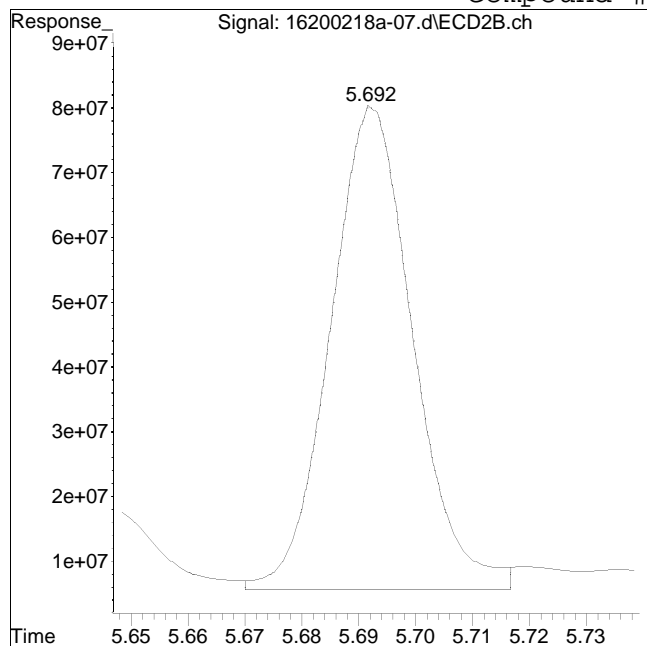
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-07.d
Date Inj'd : 2/18/2020 1:55 pm
Sample : 12006705-04,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #61: 1260-2 #2



Original Peak Response = 749495127

Manual Peak Response = 715326447 M4

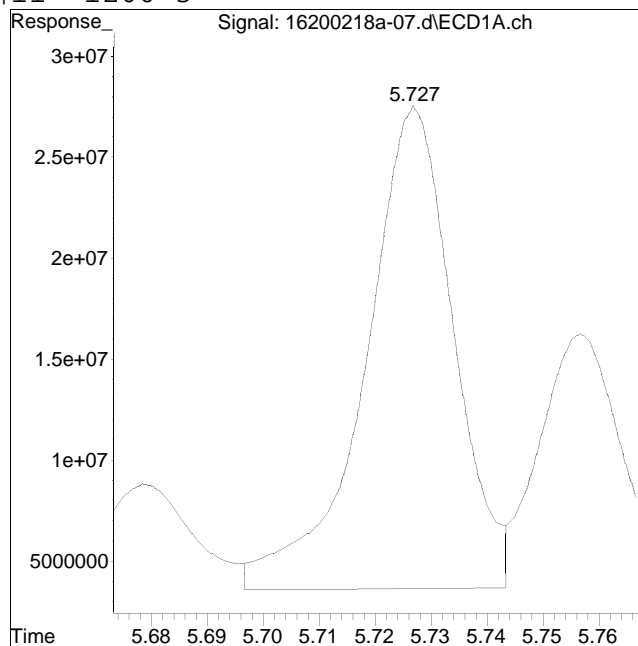
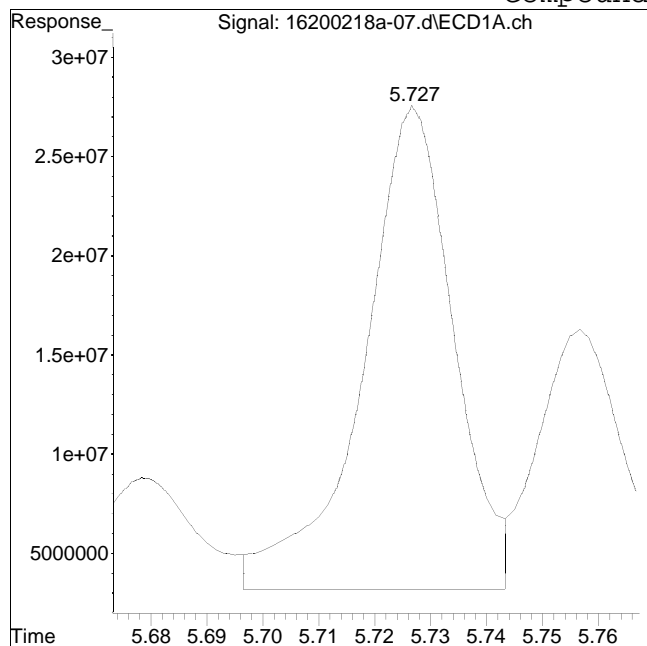
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-07.d
Date Inj'd : 2/18/2020 1:55 pm
Sample : 12006705-04,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #11: 1260-3



Original Peak Response = 274400601

Manual Peak Response = 264080501 M4

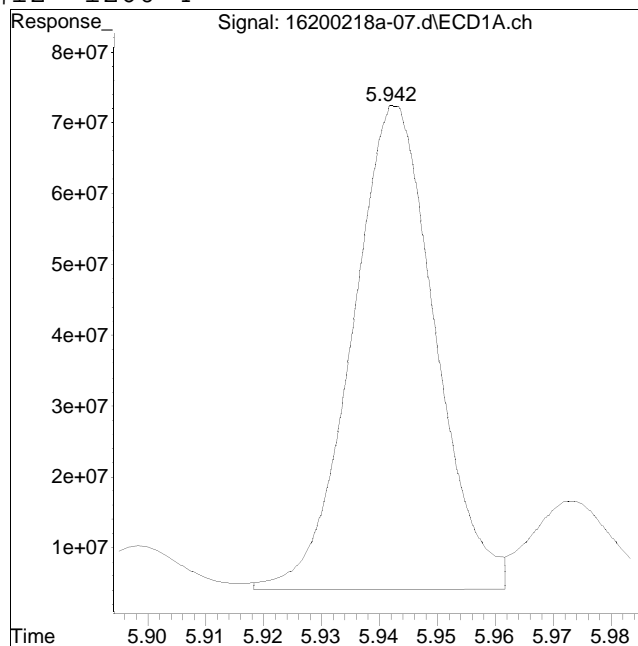
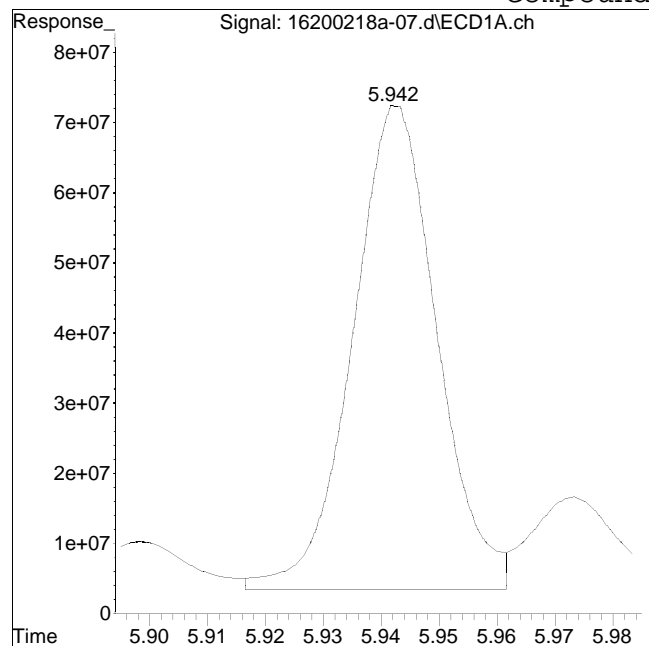
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-07.d
Date Inj'd : 2/18/2020 1:55 pm
Sample : 12006705-04,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #12: 1260-4



Original Peak Response = 699165103

Manual Peak Response = 683255851 M4

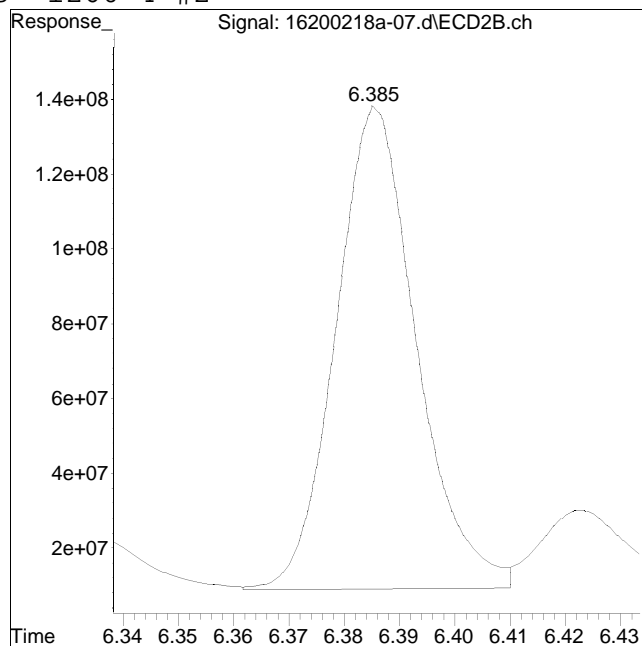
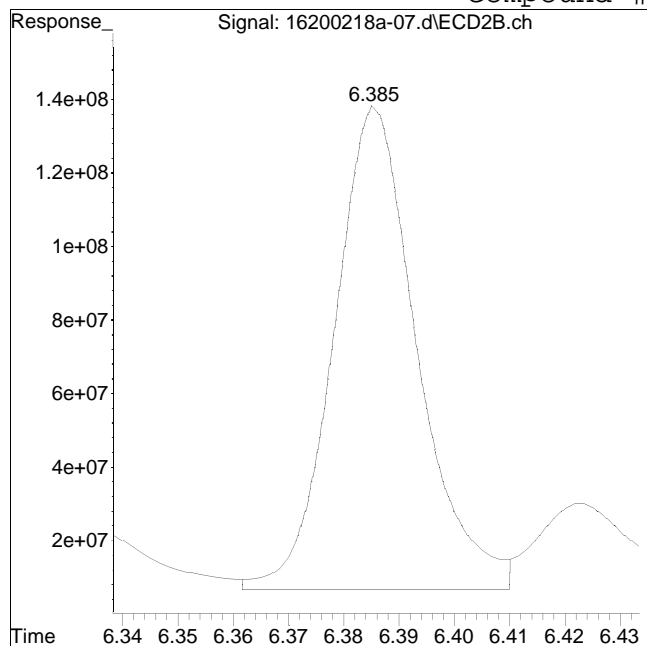
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-07.d
Date Inj'd : 2/18/2020 1:55 pm
Sample : 12006705-04,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #63: 1260-4 #2



Original Peak Response = 1366463462

Manual Peak Response = 1298413953 M4

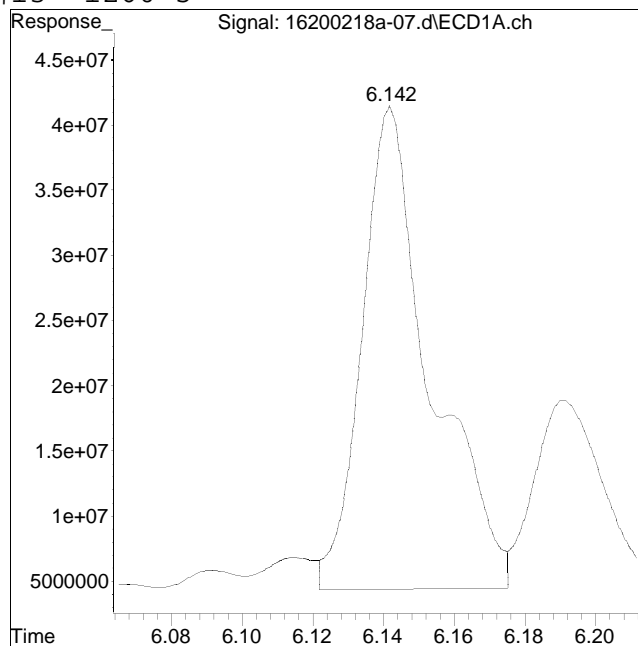
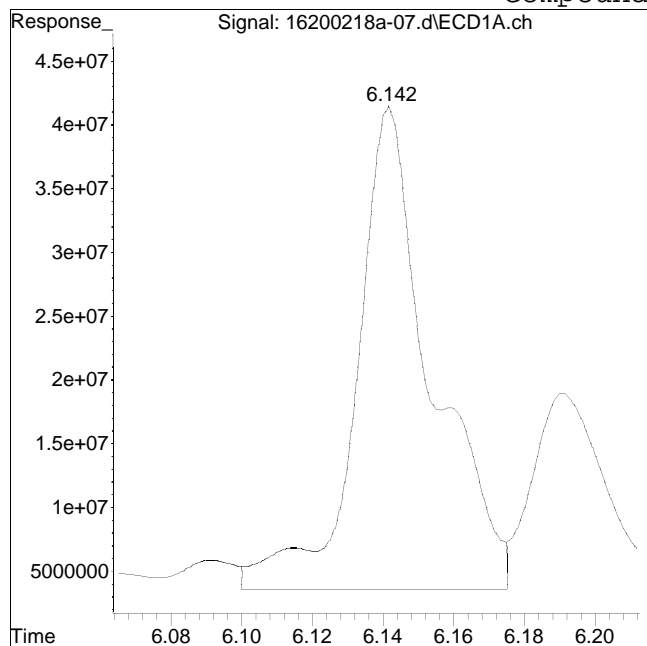
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-07.d
Date Inj'd : 2/18/2020 1:55 pm
Sample : 12006705-04,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #13: 1260-5



Original Peak Response = 559015171

Manual Peak Response = 497146797 M2

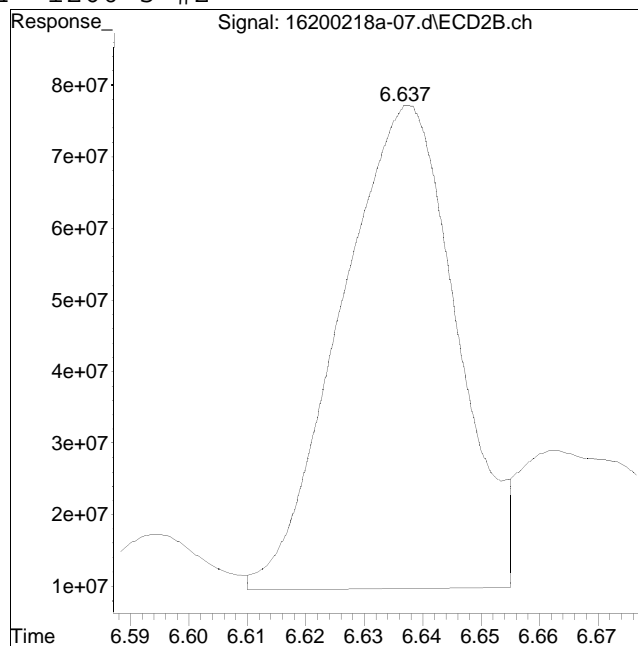
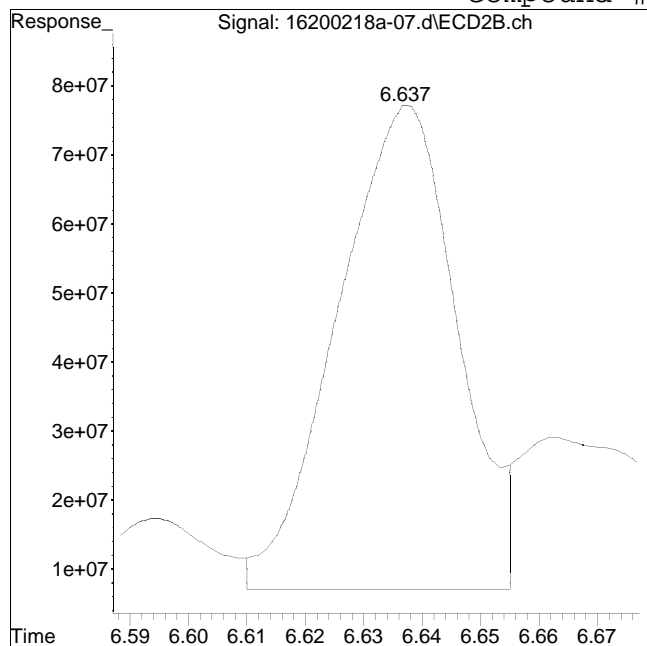
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-07.d
Date Inj'd : 2/18/2020 1:55 pm
Sample : 12006705-04,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:27 pm

Compound #64: 1260-5 #2



Original Peak Response = 990188075

Manual Peak Response = 916826211 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-11.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 2:42 pm
 Operator : pest16:cw
 Sample : 12006705-08,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:12:54 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.253	2.288	651.0E6	1541.2E6	250.000	250.000
Standard Area 1 : #1 = 727219439					Recovery =	89.52%
Standard Area 1 : #2 = 1707763696					Recovery =	90.25%
14) i 2154_1br2nb	2.253	2.288	651.0E6	1541.2E6	250.000	250.000
23) i 4268_1br2nb	2.253	2.288	651.0E6	1541.2E6	250.000	250.000
34) i 1248_1br2nb	2.253	2.288	651.0E6	1541.2E6	250.000	250.000
40) i 3262_1br2nb	2.253	2.288	651.0E6	1541.2E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.768	2.954	1064.9E6	2337.6E6	351.254	336.241
Spiked Amount 500.000 Range 30 - 150					Recovery =	70.25% 67.25%
3) s Decachlorobi	6.870	7.412	702.0E6	1294.4E6	329.664M4	332.230M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	65.93% 66.45%
Target Compounds						
4) 11 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) 11 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) 11 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) 11 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) 11 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) 12 1260-1	5.053	5.545	10796788	16558019	74.048M4	53.433M4
10) 12 1260-2	5.260	5.690	17099493	27993743	76.325	77.542M4
11) 12 1260-3	5.725	6.219	9313092	26898015	66.444M4	93.476M4
12) 12 1260-4	5.941	6.383	31440392	51245967	96.128M4	85.398M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-11.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 2:42 pm
 Operator : pest16:cw
 Sample : 12006705-08,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:12:54 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) 12	1260-5	6.140	6.636	20673553	42531118	96.513M4	104.963M4
	Sum 1260-1			89323317	165.2E6	409.458	414.811
	Average 1260-1					81.892	82.962
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D.	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-11.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 2:42 pm
 Operator : pest16:cw
 Sample : 12006705-08,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:12:54 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D.	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1	0	0	N.D.	N.D.
Average 1262-1			0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-11.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 2:42 pm
 Operator : pest16:cw
 Sample : 12006705-08,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:12:54 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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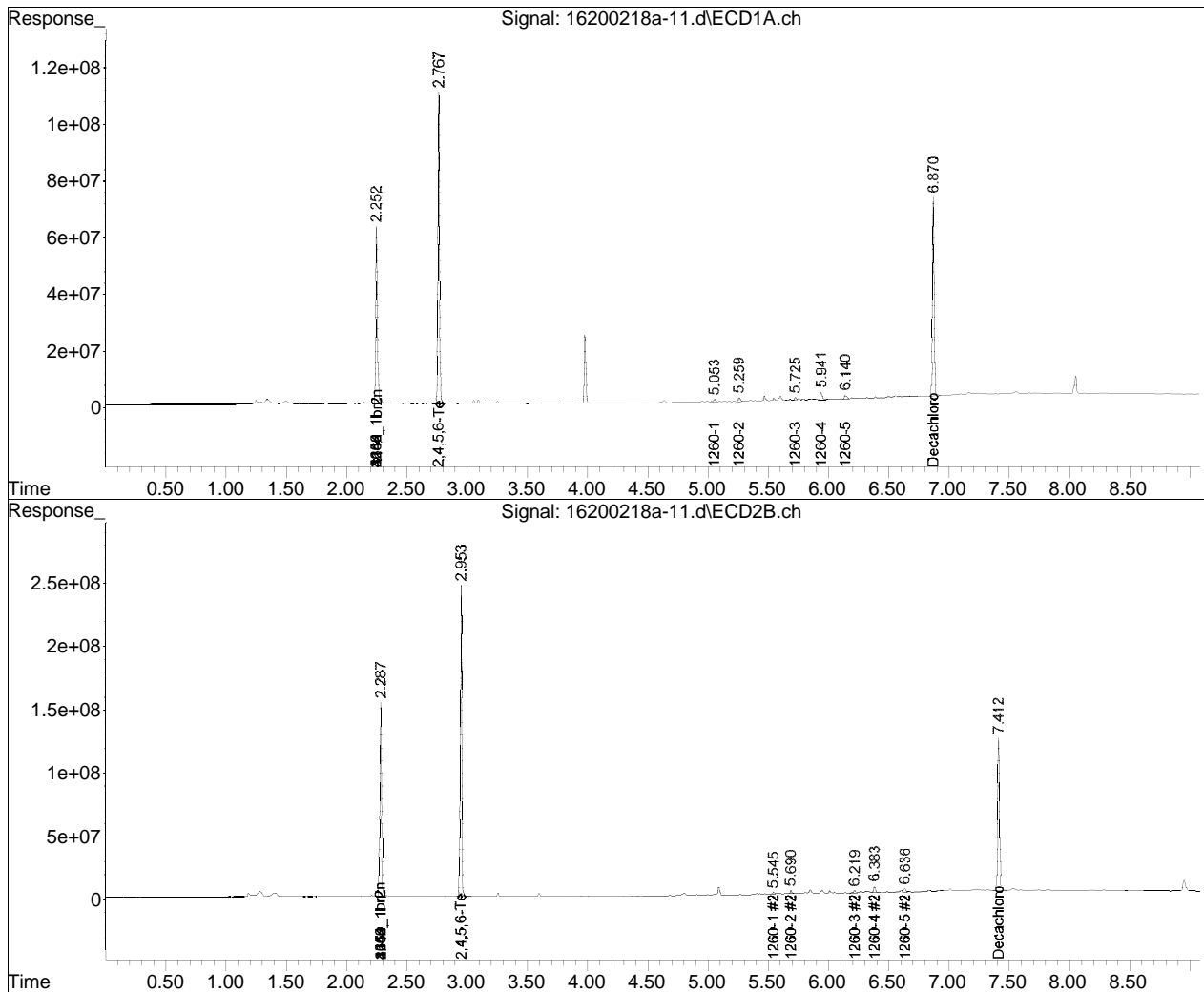
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 2:42 pm
Operator : pest16:cw
Sample : 12006705-08,42e,,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:12:54 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

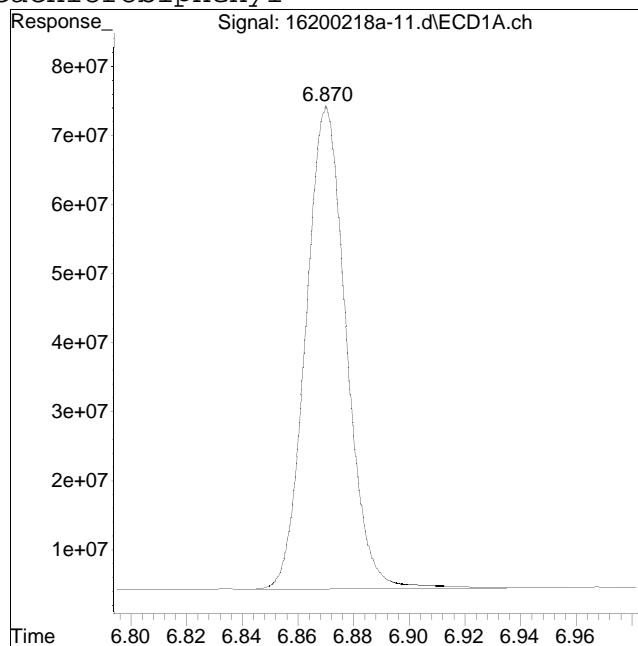
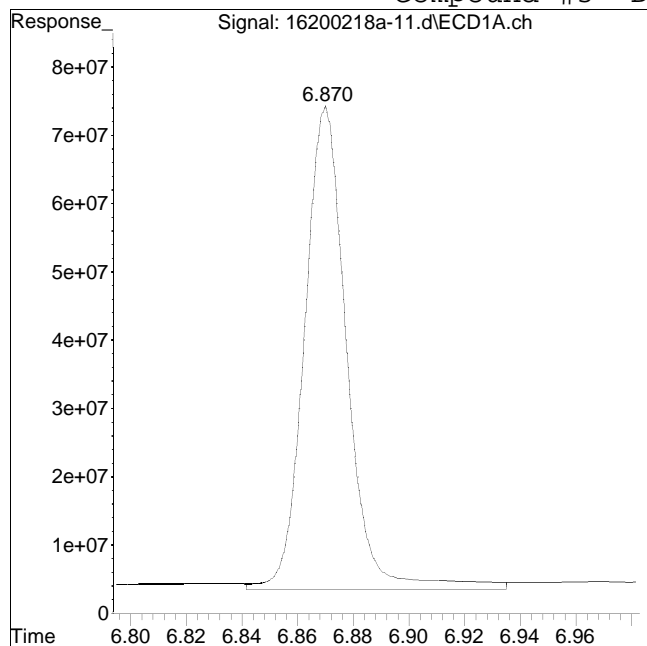


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-11.d
Date Inj'd : 2/18/2020 2:42 pm
Sample : 12006705-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 752811933

Manual Peak Response = 702020212 M4

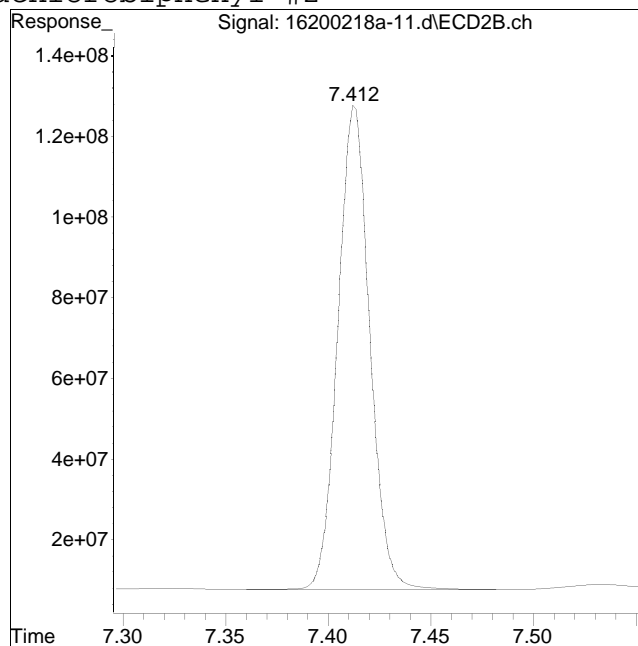
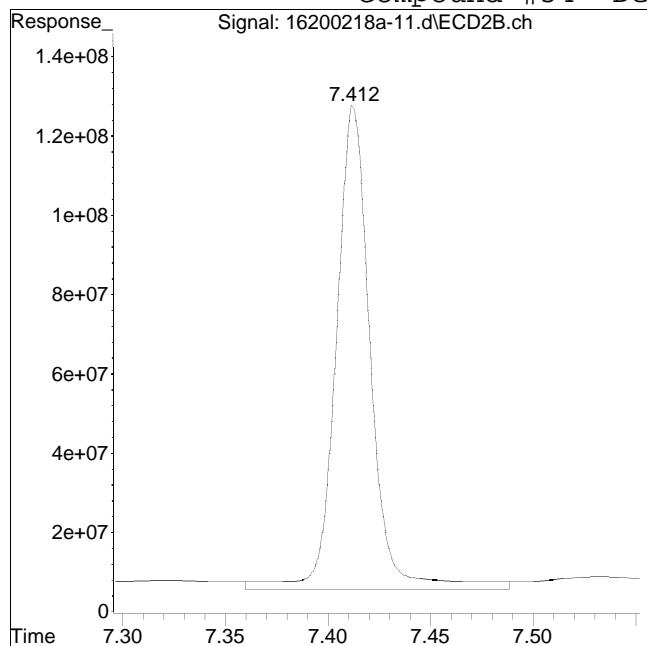
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-11.d
Date Inj'd : 2/18/2020 2:42 pm
Sample : 12006705-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1448101722

Manual Peak Response = 1294380894 M4

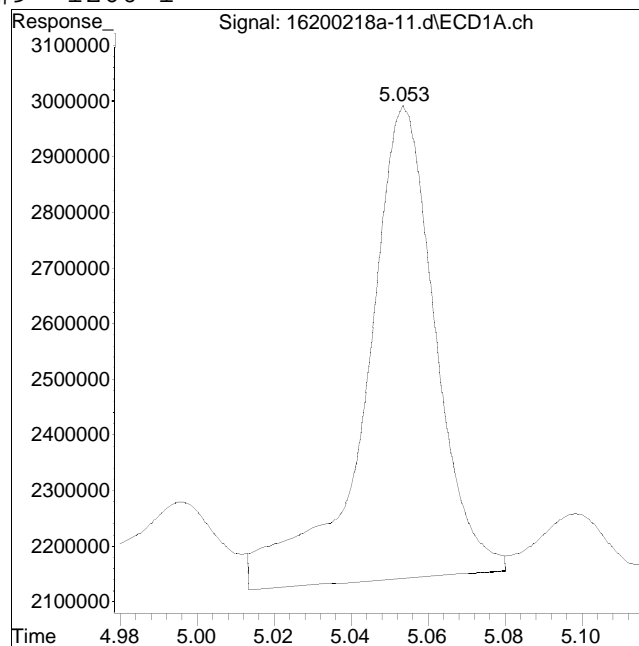
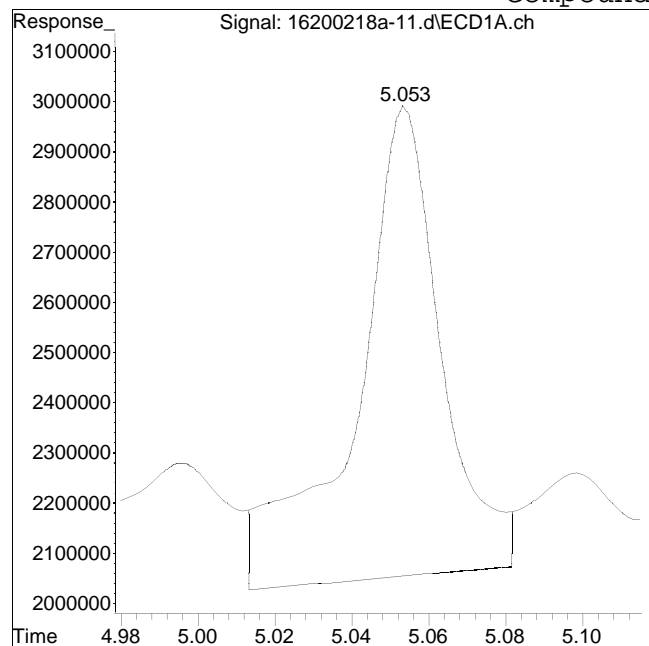
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-11.d
Date Inj'd : 2/18/2020 2:42 pm
Sample : 12006705-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #9: 1260-1



Original Peak Response = 14394068

Manual Peak Response = 10796788 M4

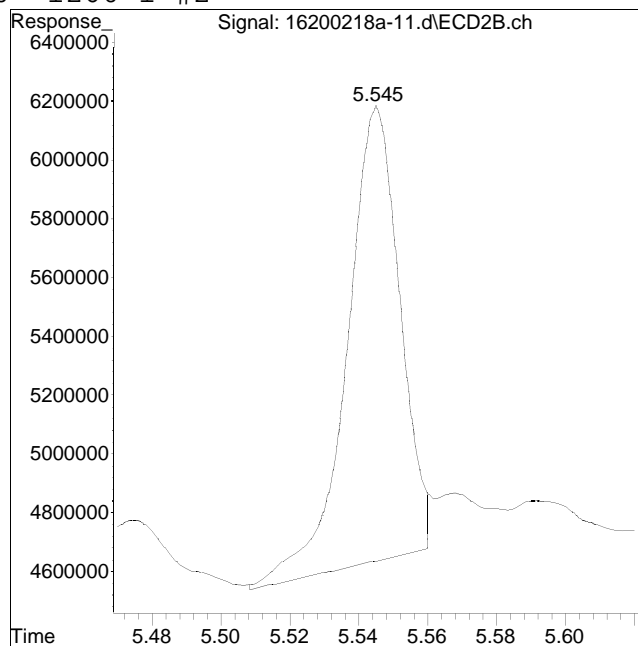
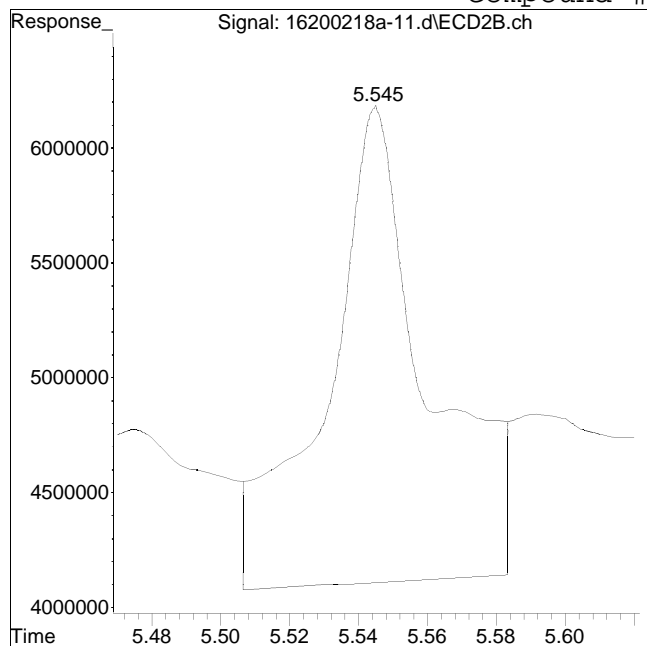
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-11.d
Date Inj'd : 2/18/2020 2:42 pm
Sample : 12006705-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #60: 1260-1 #2



Original Peak Response = 42327954

Manual Peak Response = 16558019 M4

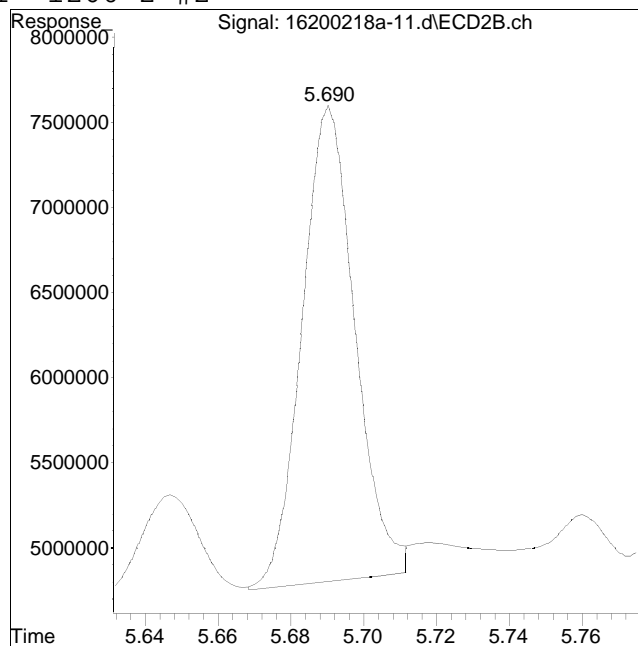
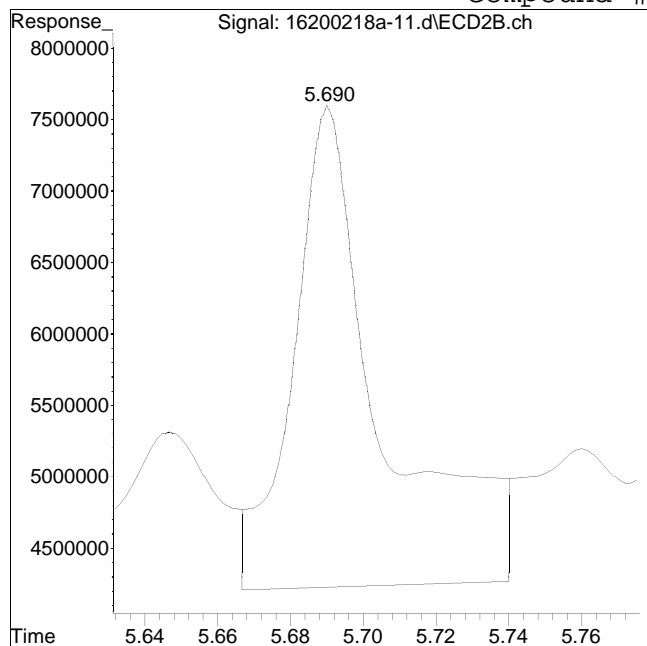
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-11.d
Date Inj'd : 2/18/2020 2:42 pm
Sample : 12006705-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #61: 1260-2 #2



Original Peak Response = 56034134

Manual Peak Response = 27993743 M4

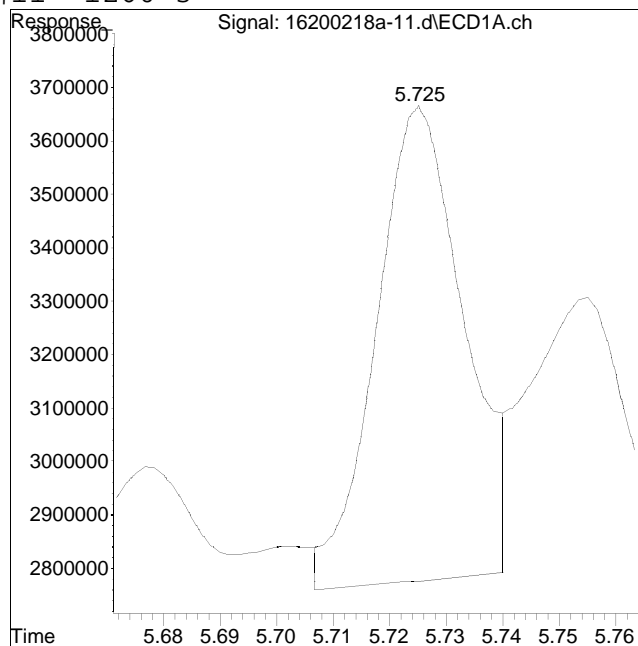
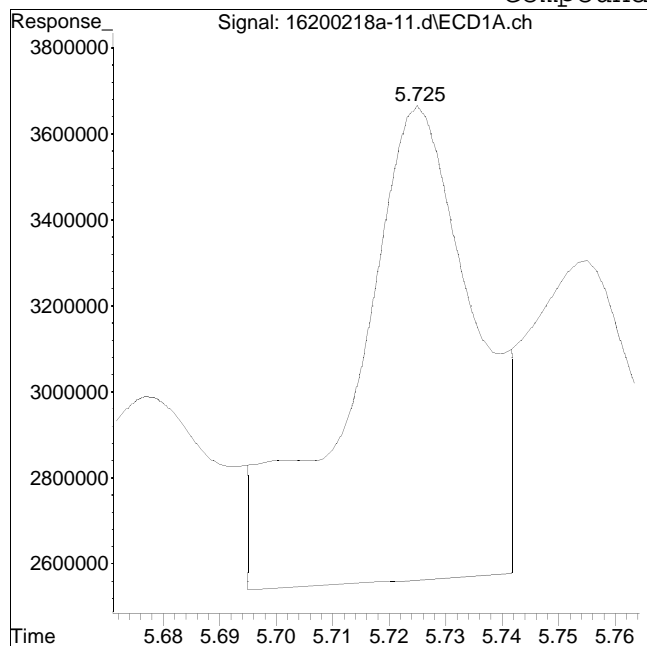
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-11.d
Date Inj'd : 2/18/2020 2:42 pm
Sample : 12006705-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #11: 1260-3



Original Peak Response = 16119361

Manual Peak Response = 9313092 M4

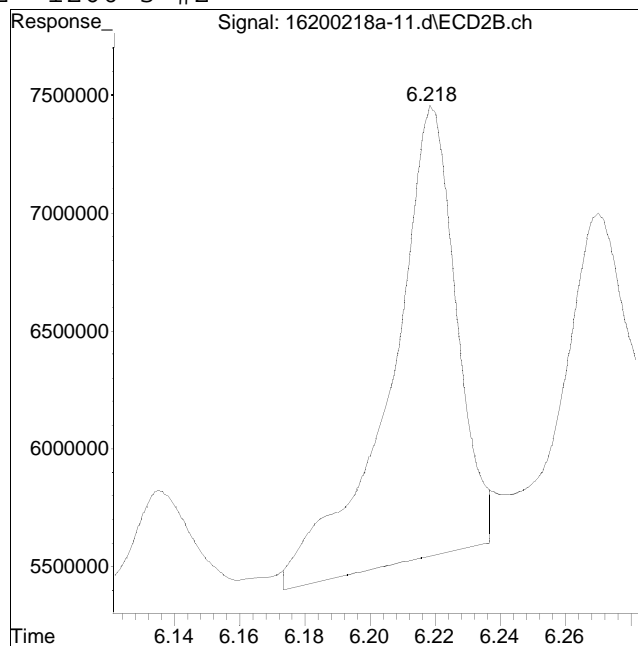
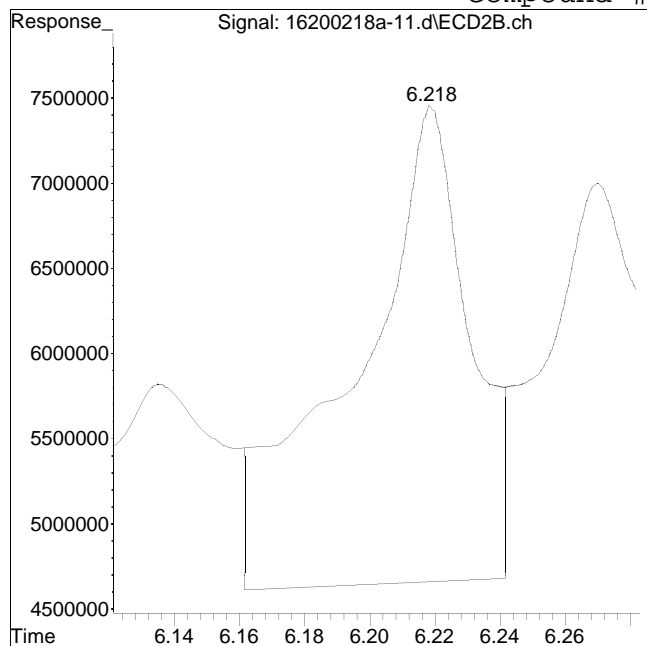
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-11.d
Date Inj'd : 2/18/2020 2:42 pm
Sample : 12006705-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #62: 1260-3 #2



Original Peak Response = 68808757

Manual Peak Response = 26898015 M4

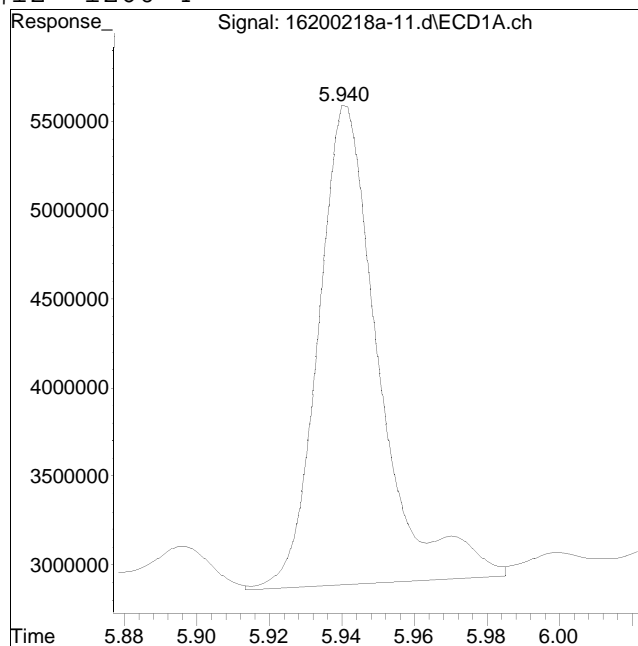
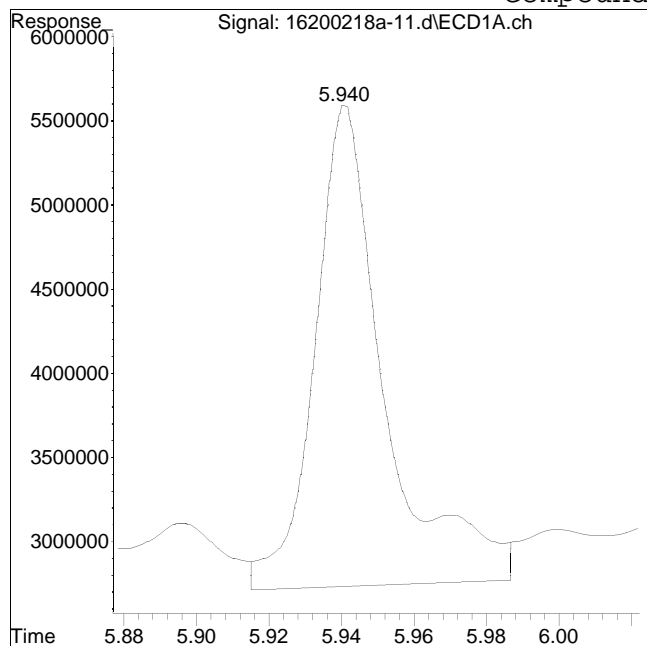
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-11.d
Date Inj'd : 2/18/2020 2:42 pm
Sample : 12006705-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #12: 1260-4



Original Peak Response = 38102603

Manual Peak Response = 31440392 M4

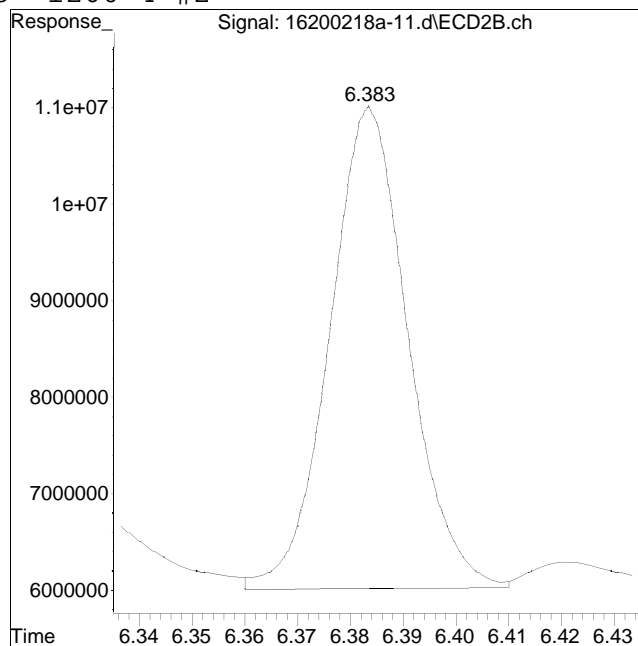
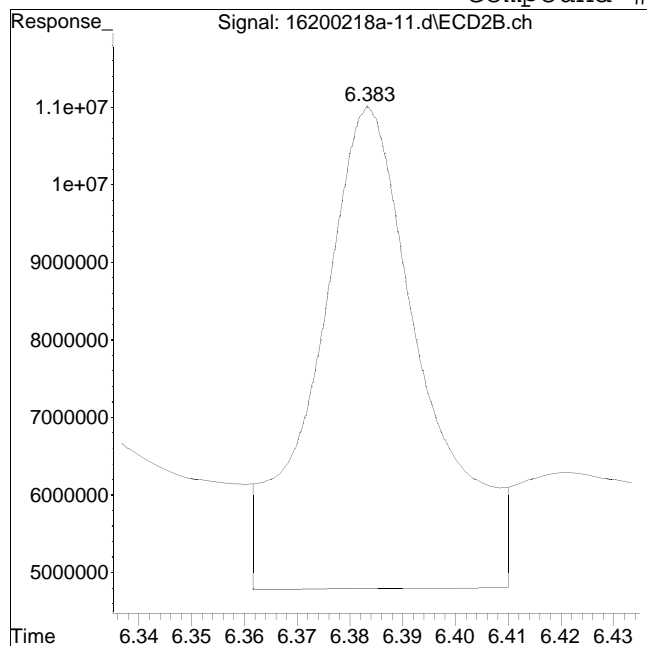
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-11.d
Date Inj'd : 2/18/2020 2:42 pm
Sample : 12006705-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #63: 1260-4 #2



Original Peak Response = 87057648

Manual Peak Response = 51245967 M4

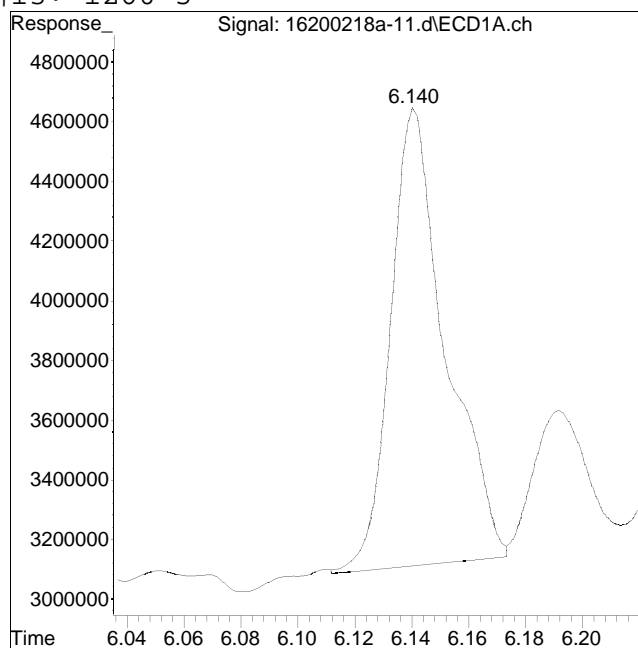
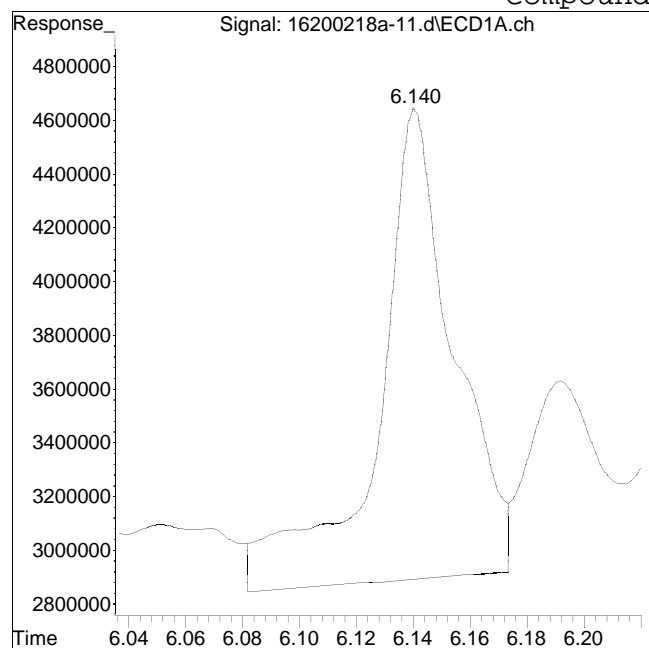
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-11.d
Date Inj'd : 2/18/2020 2:42 pm
Sample : 12006705-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #13: 1260-5



Original Peak Response = 32613049

Manual Peak Response = 20673553 M4

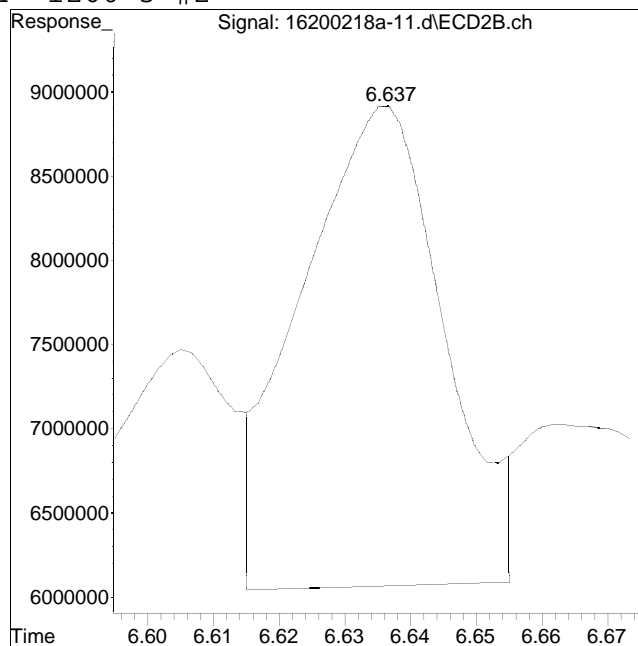
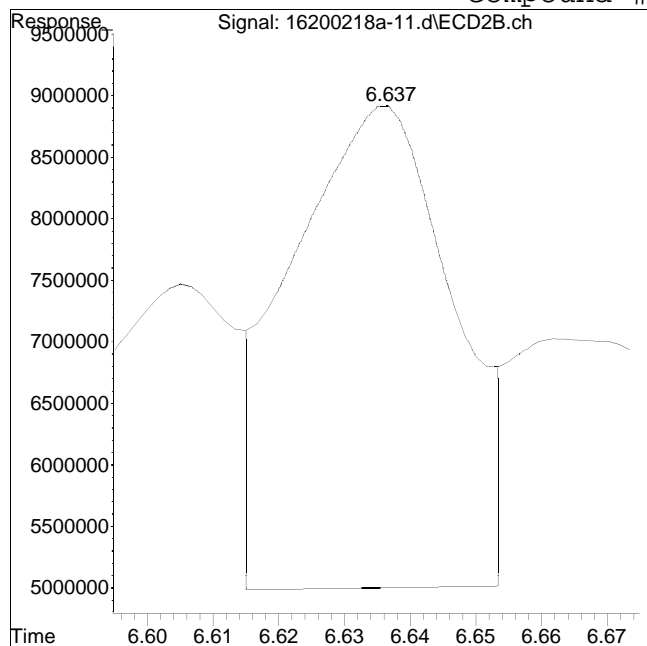
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-11.d
Date Inj'd : 2/18/2020 2:42 pm
Sample : 12006705-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #64: 1260-5 #2



Original Peak Response = 67937341

Manual Peak Response = 42531118 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-12.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 2:53 pm
 Operator : pest16:cw
 Sample : 12006705-10,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:14:53 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.253	2.288	710.5E6	1687.9E6	250.000	250.000
Standard Area 1 : #1 = 727219439					Recovery =	97.71%
Standard Area 1 : #2 = 1707763696					Recovery =	98.84%
14) i 2154_1br2nb	2.253	2.288	710.5E6	1687.9E6	250.000	250.000
23) i 4268_1br2nb	2.253	2.288	710.5E6	1687.9E6	250.000	250.000
34) i 1248_1br2nb	2.253	2.288	710.5E6	1687.9E6	250.000	250.000
40) i 3262_1br2nb	2.253	2.288	710.5E6	1687.9E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.768	2.954	1217.7E6	2731.9E6	368.018	358.807
Spiked Amount 500.000 Range 30 - 150					Recovery =	73.60%
3) s Decachlorobi	6.869	7.410	765.8E6	1408.0E6	329.497M4	329.985M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	65.90%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.055	5.546	92922170	210.3E6	583.919	619.726M4
10) l2 1260-2	5.259	5.690	253.7E6	421.5E6	1037.454	1065.972M4
11) l2 1260-3	5.726	6.220	148.0E6	302.8E6	967.380	960.807M4
12) l2 1260-4	5.941	6.383	453.7E6	801.1E6	1270.959	1218.937M4
13) l2 1260-5	6.140	6.636	309.6E6	551.1E6	1324.158	1241.832M2
Sum 1260-1			1257.8E6	2286.8E6	5183.870	5107.274
Average 1260-1					1036.774	1021.455

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-12.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 2:53 pm
 Operator : pest16:cw
 Sample : 12006705-10,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:14:53 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D.	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-12.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 2:53 pm
 Operator : pest16:cw
 Sample : 12006705-10,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:14:53 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D.	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-12.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 2:53 pm
 Operator : pest16:cw
 Sample : 12006705-10,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:14:53 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

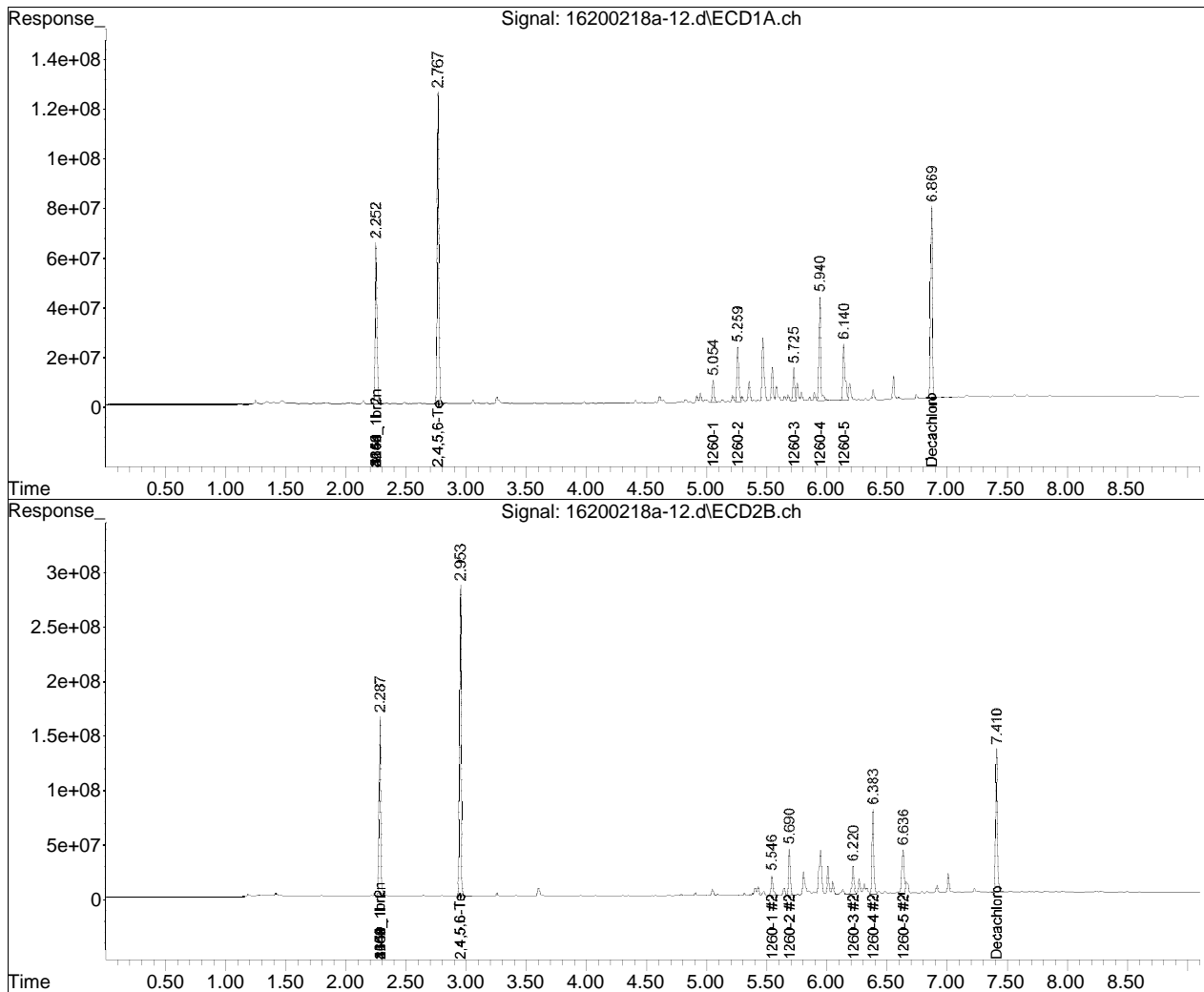
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 2:53 pm
Operator : pest16:cw
Sample : 12006705-10,42e,,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:14:53 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

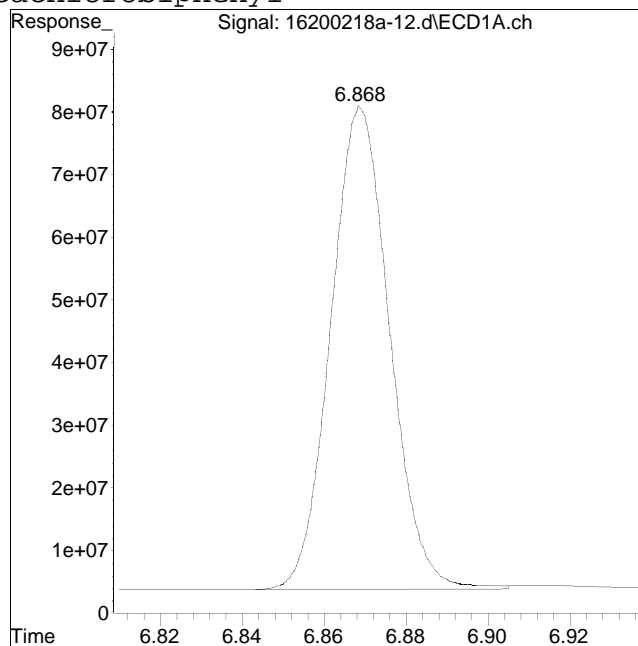
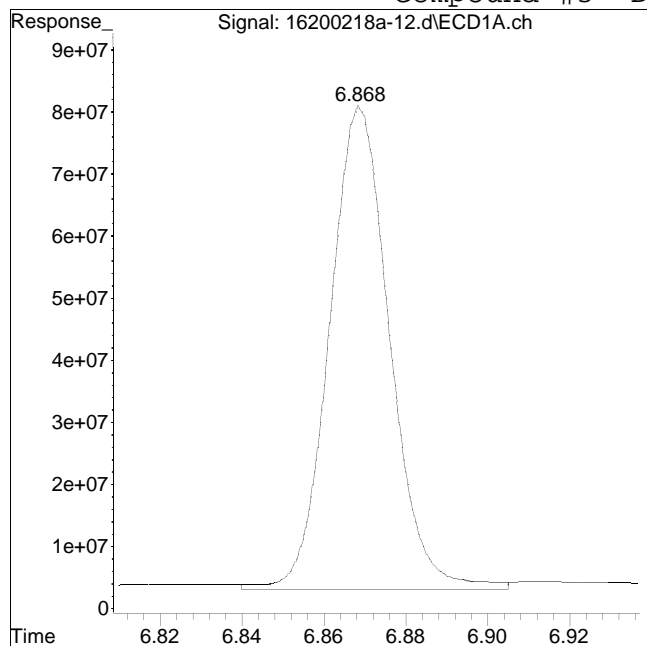


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-12.d
Date Inj'd : 2/18/2020 2:53 pm
Sample : 12006705-10,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 796541660

Manual Peak Response = 765800415 M4

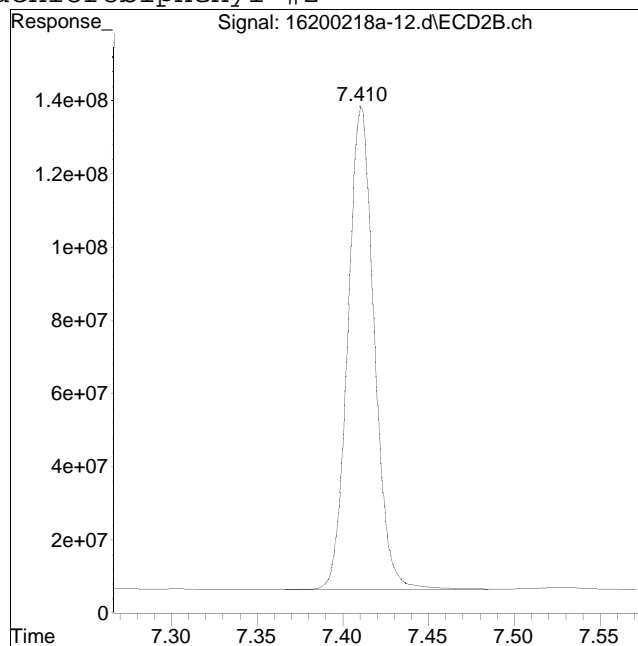
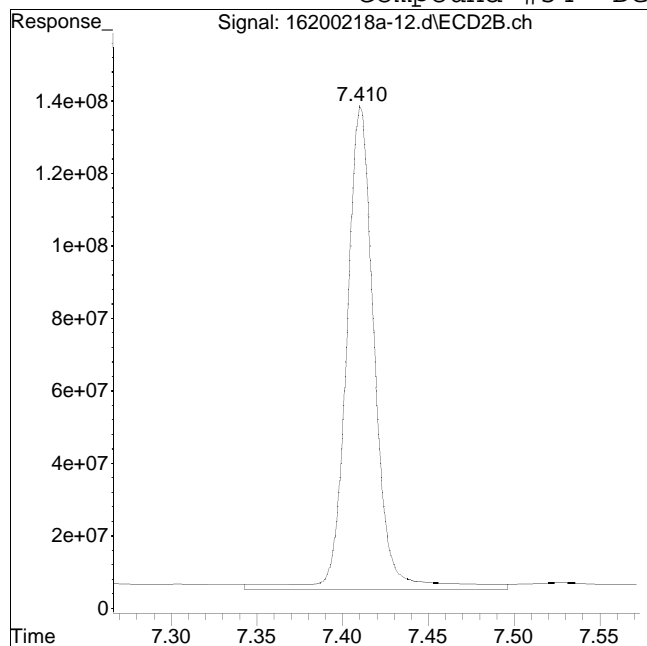
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-12.d
Date Inj'd : 2/18/2020 2:53 pm
Sample : 12006705-10,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1533731027

Manual Peak Response = 1408013092 M4

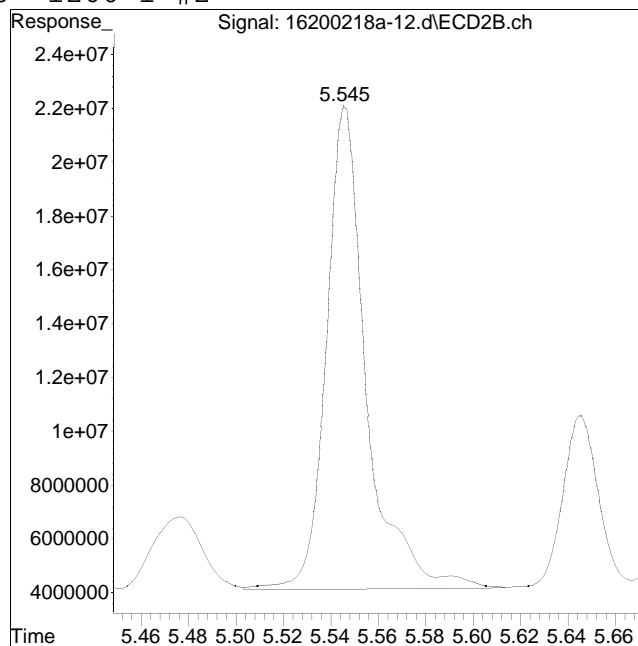
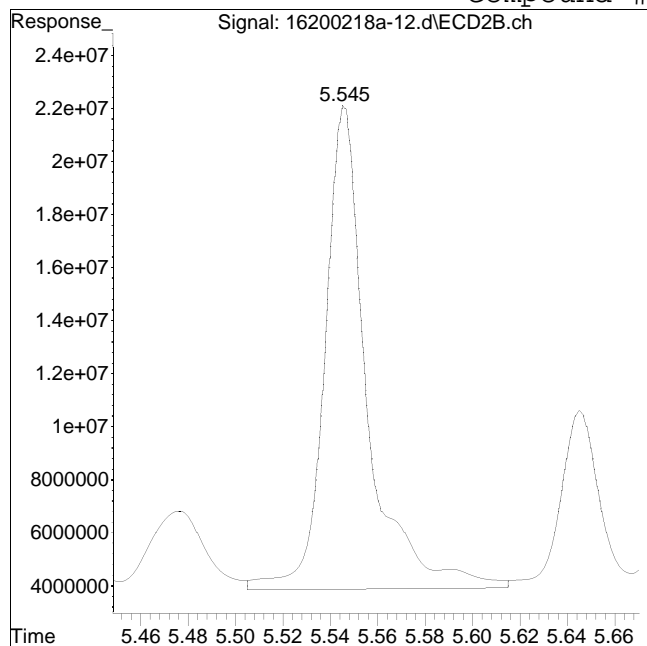
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-12.d
Date Inj'd : 2/18/2020 2:53 pm
Sample : 12006705-10,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #60: 1260-1 #2



Original Peak Response = 227465316

Manual Peak Response = 210324839 M4

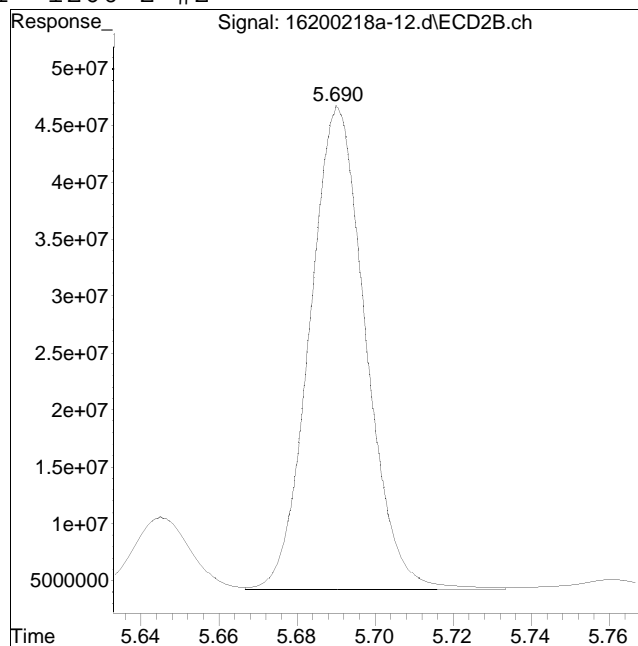
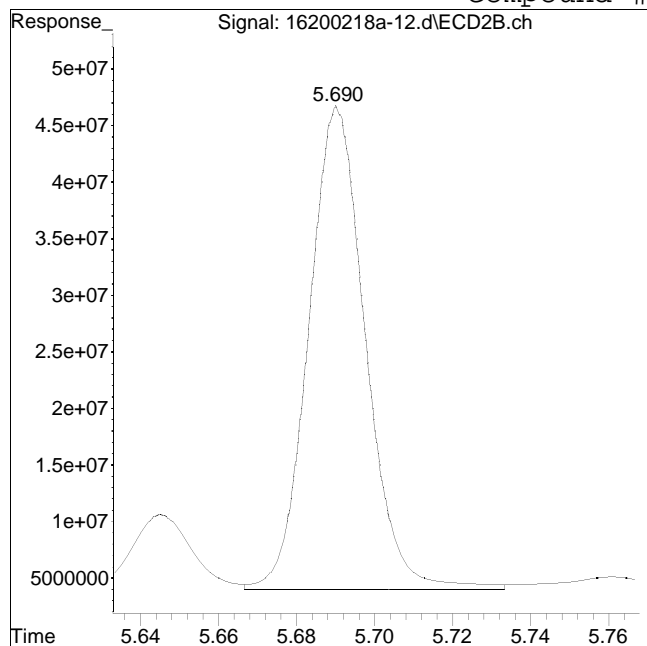
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-12.d
Date Inj'd : 2/18/2020 2:53 pm
Sample : 12006705-10,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #61: 1260-2 #2



Original Peak Response = 432089802

Manual Peak Response = 421464662 M4

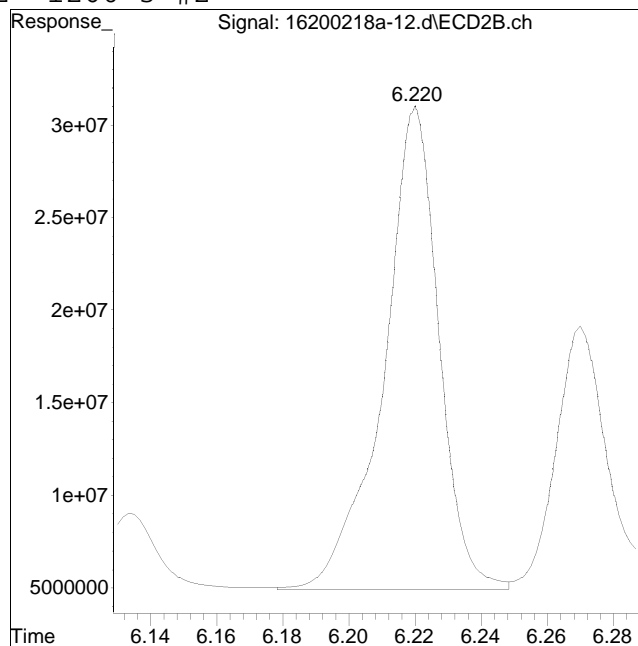
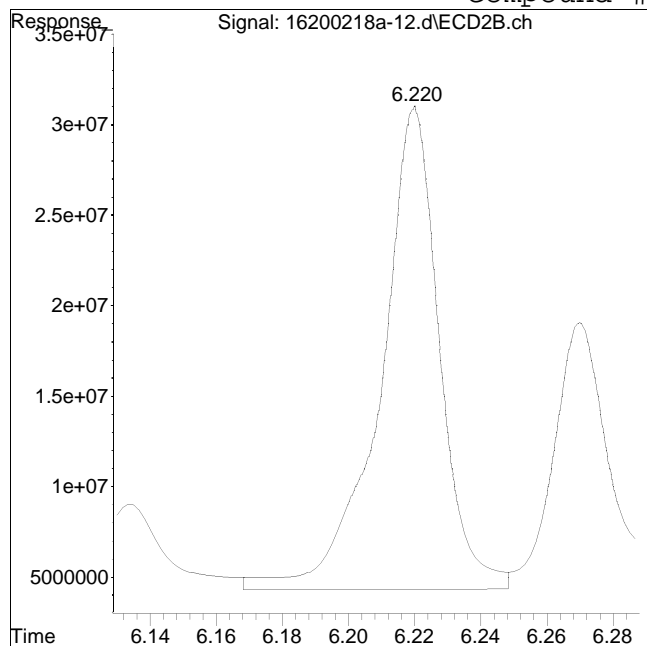
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-12.d
Date Inj'd : 2/18/2020 2:53 pm
Sample : 12006705-10,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #62: 1260-3 #2



Original Peak Response = 331573008

Manual Peak Response = 302792924 M4

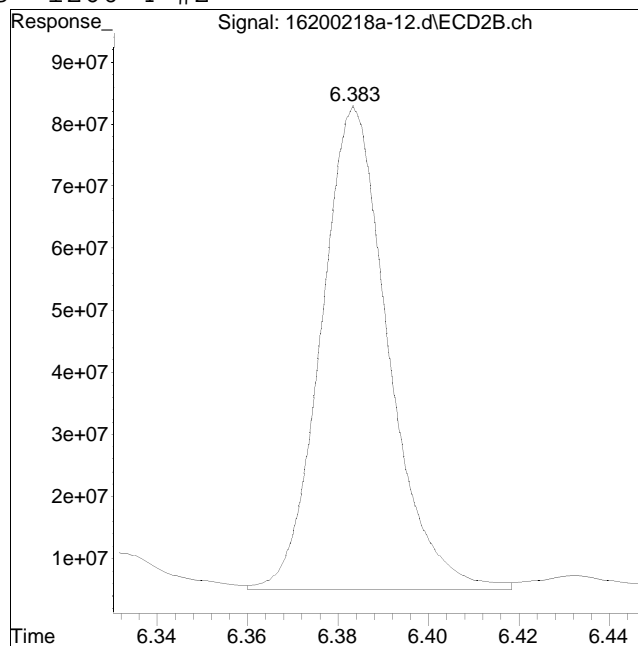
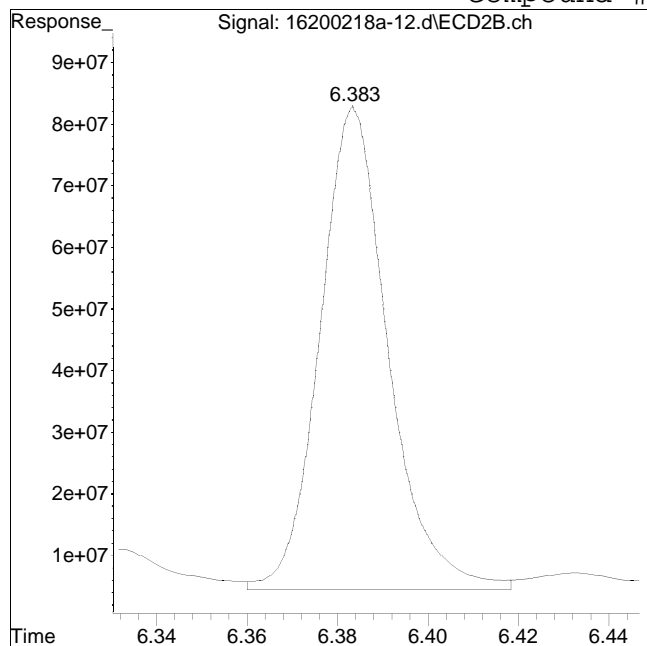
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-12.d
Date Inj'd : 2/18/2020 2:53 pm
Sample : 12006705-10,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #63: 1260-4 #2



Original Peak Response = 822394736

Manual Peak Response = 801093600 M4

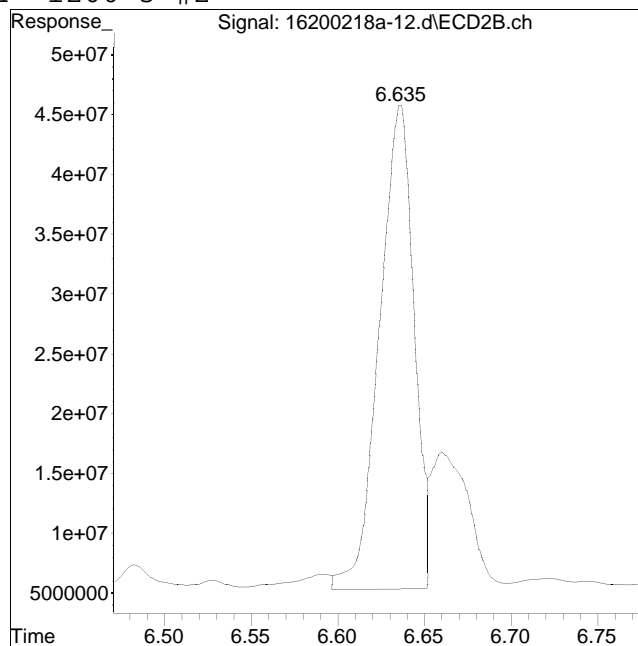
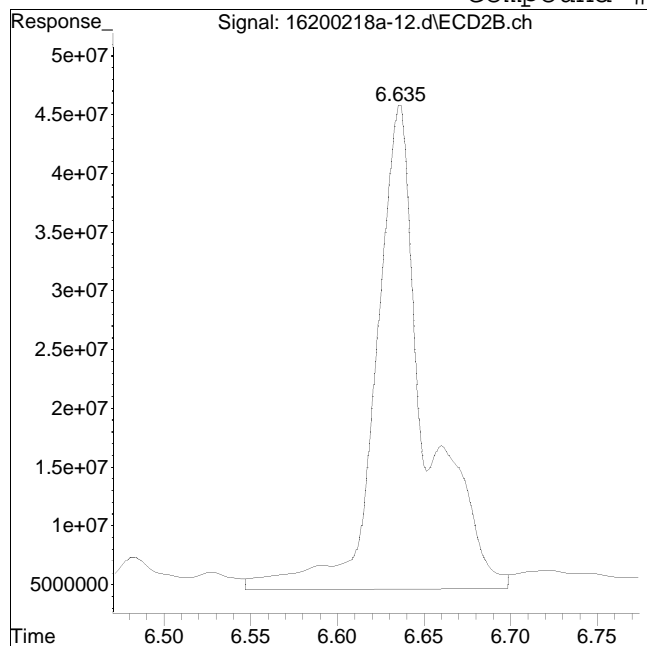
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-12.d
Date Inj'd : 2/18/2020 2:53 pm
Sample : 12006705-10,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #64: 1260-5 #2



Original Peak Response = 820434017

Manual Peak Response = 551091121 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-13.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 3:05 pm
 Operator : pest16:cw
 Sample : 12006705-11,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:16:17 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.252	2.288	703.2E6	1636.4E6	250.000	250.000
Standard Area 1 : #1 = 727219439					Recovery =	96.70%
Standard Area 1 : #2 = 1707763696					Recovery =	95.82%
14) i 2154_1br2nb	2.252	2.288	703.2E6	1636.4E6	250.000	250.000
23) i 4268_1br2nb	2.252	2.288	703.2E6	1636.4E6	250.000	250.000
34) i 1248_1br2nb	2.252	2.288	703.2E6	1636.4E6	250.000	250.000
40) i 3262_1br2nb	2.252	2.288	703.2E6	1636.4E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.768	2.953	1279.3E6	2860.9E6	390.649	387.585
Spiked Amount 500.000 Range 30 - 150					Recovery =	78.13%
77.52%						
3) s Decachlorobi	6.869	7.411	796.8E6	1438.3E6	346.419M2	347.709M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	69.28%
69.54%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.055	5.546	160.5E6	406.5E6	1019.343	1235.653
10) l2 1260-2	5.260	5.691	322.8E6	516.9E6	1334.106	1348.629
11) l2 1260-3	5.726	6.220	185.9E6	391.3E6	1227.785	1280.833M4
12) l2 1260-4	5.941	6.384	497.2E6	909.9E6	1407.460	1428.198M4
13) l2 1260-5	6.141	6.637	326.8E6	623.5E6	1412.310	1449.295M4
Sum 1260-1			1493.3E6	2848.2E6	6401.005	6742.609
Average 1260-1					1280.201	1348.522

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-13.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 3:05 pm
 Operator : pest16:cw
 Sample : 12006705-11,42e,,
 Misc : wg1341805,wg1341196,ical16473
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:16:17 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-13.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 3:05 pm
 Operator : pest16:cw
 Sample : 12006705-11,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:16:17 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-13.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 3:05 pm
 Operator : pest16:cw
 Sample : 12006705-11,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:16:17 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

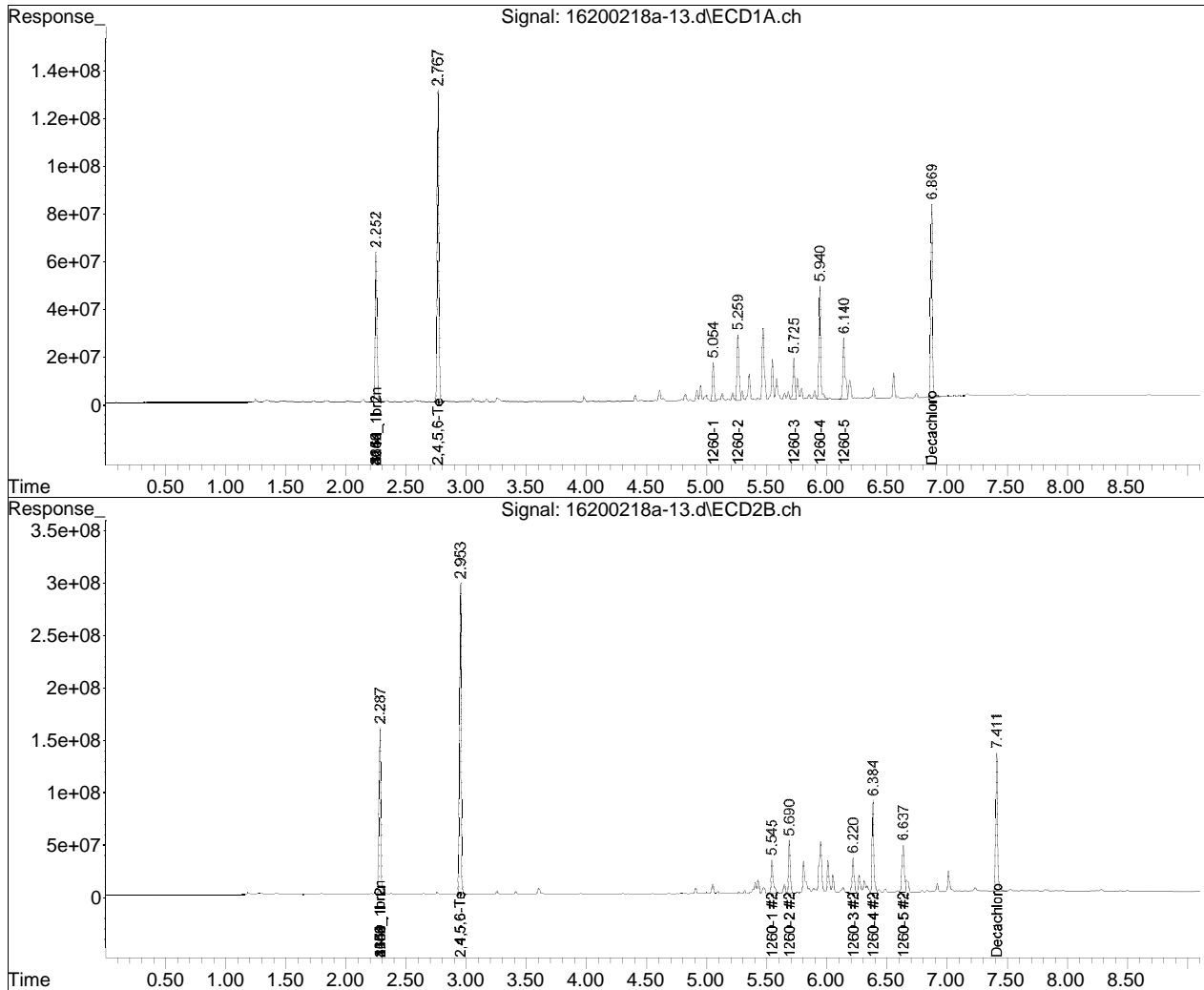
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 3:05 pm
Operator : pest16:cw
Sample : 12006705-11,42e,,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:16:17 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

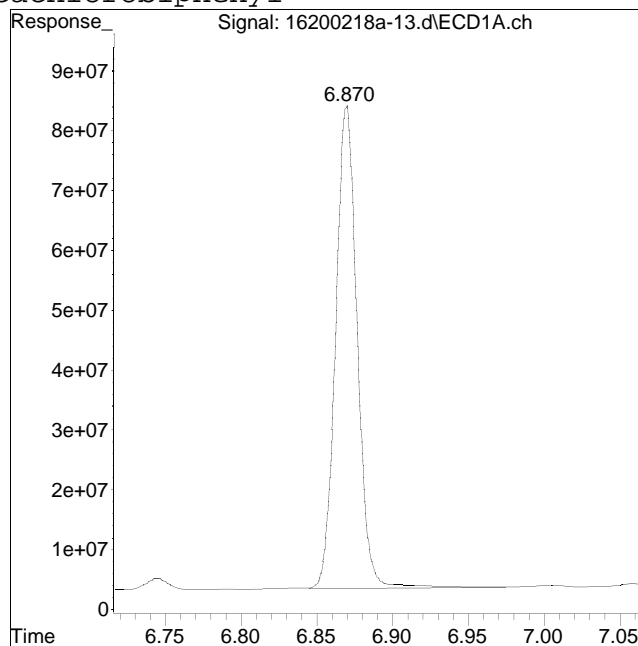
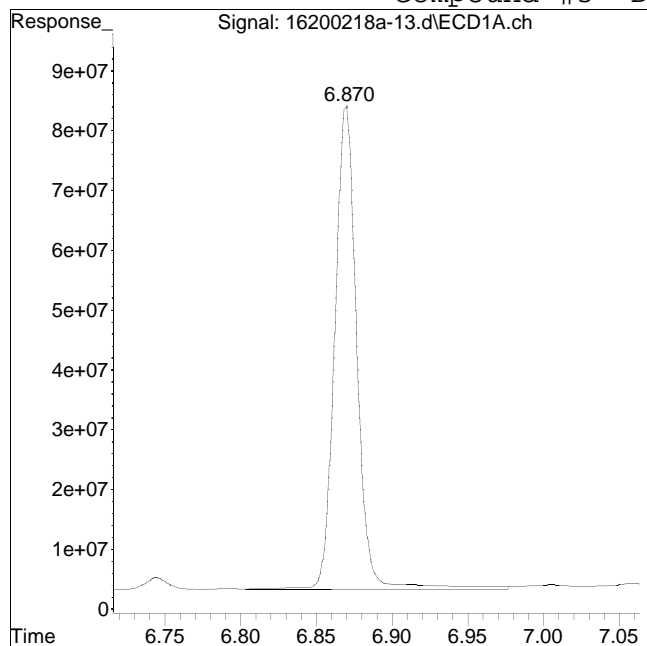


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-13.d
Date Inj'd : 2/18/2020 3:05 pm
Sample : 12006705-11,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 828361321

Manual Peak Response = 796838020 M2

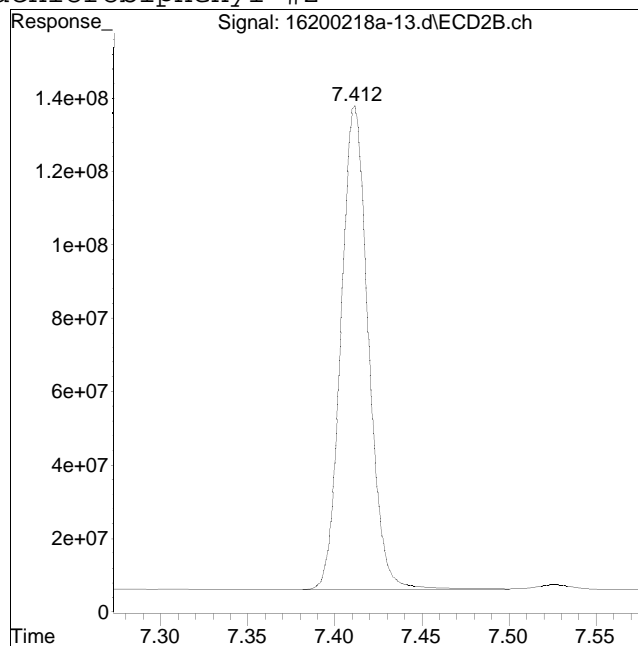
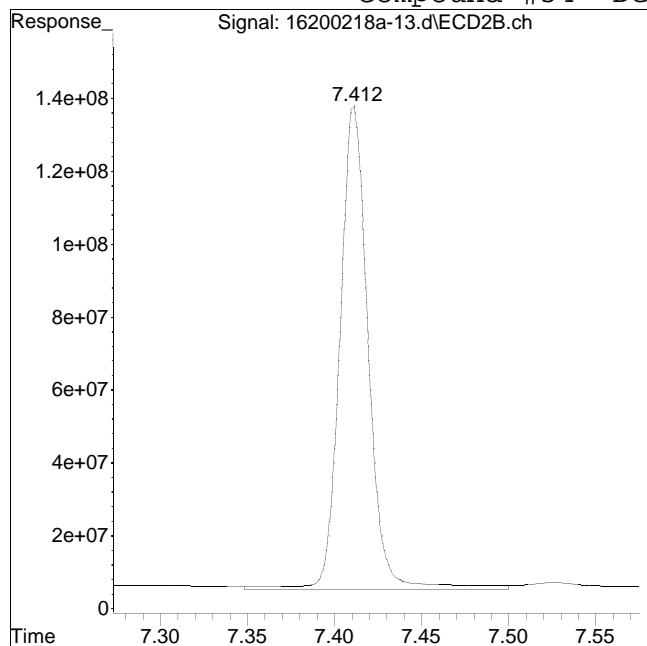
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-13.d
Date Inj'd : 2/18/2020 3:05 pm
Sample : 12006705-11,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1515482024

Manual Peak Response = 1438306920 M4

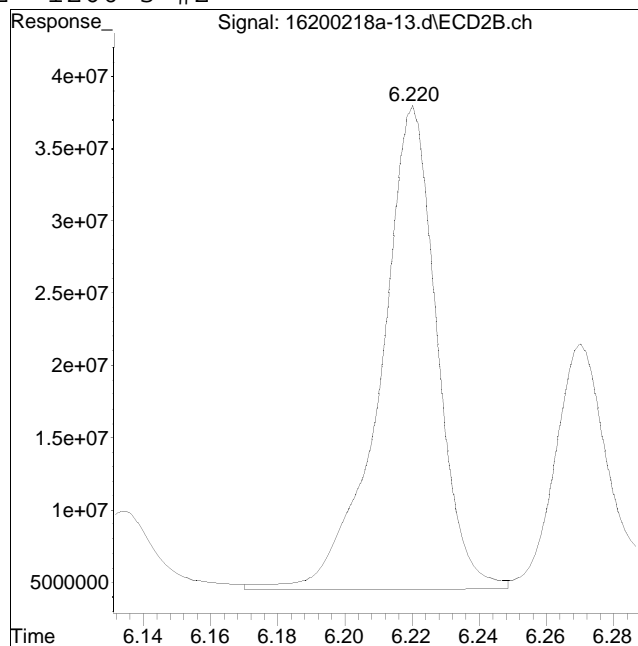
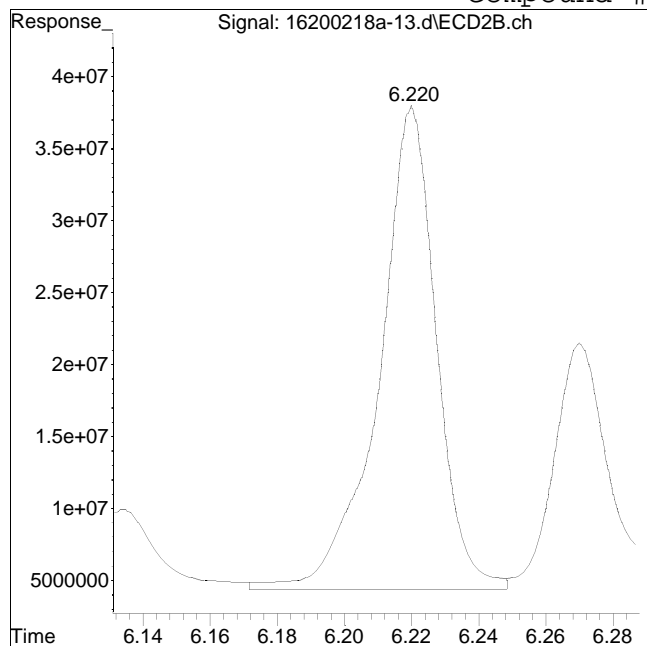
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-13.d
Date Inj'd : 2/18/2020 3:05 pm
Sample : 12006705-11,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #62: 1260-3 #2



Original Peak Response = 397073259

Manual Peak Response = 391313791 M4

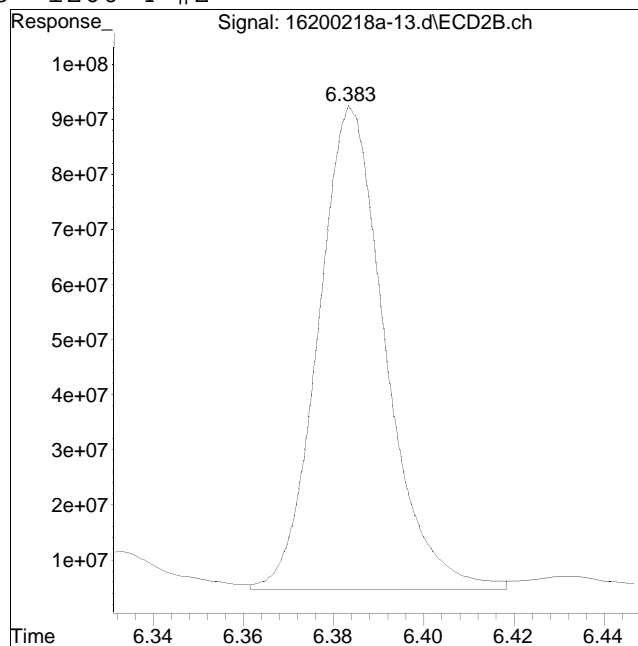
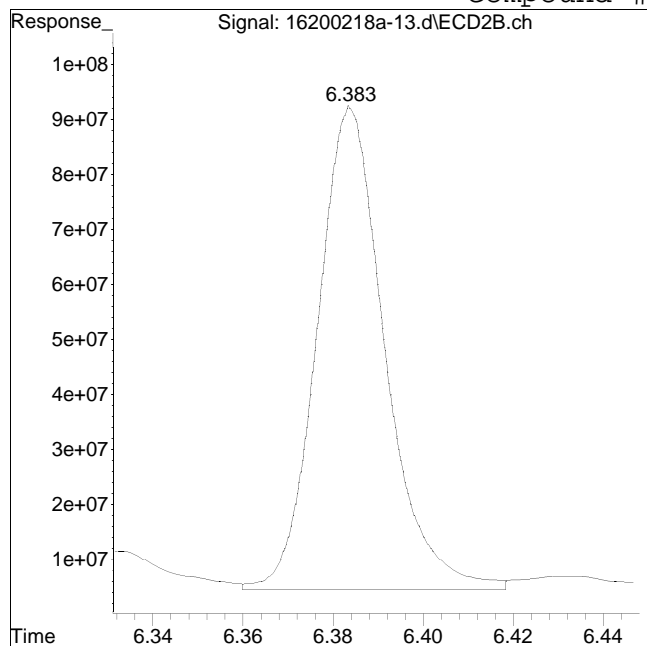
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-13.d
Date Inj'd : 2/18/2020 3:05 pm
Sample : 12006705-11,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #63: 1260-4 #2



Original Peak Response = 915440694

Manual Peak Response = 909941386 M4

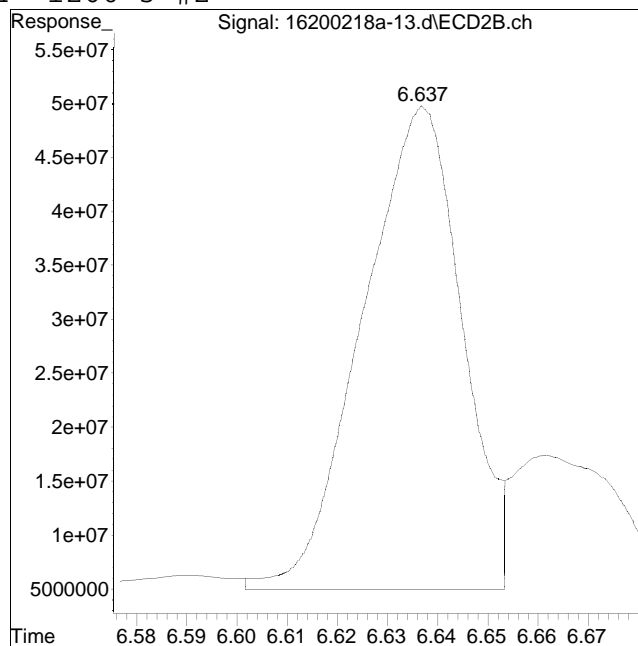
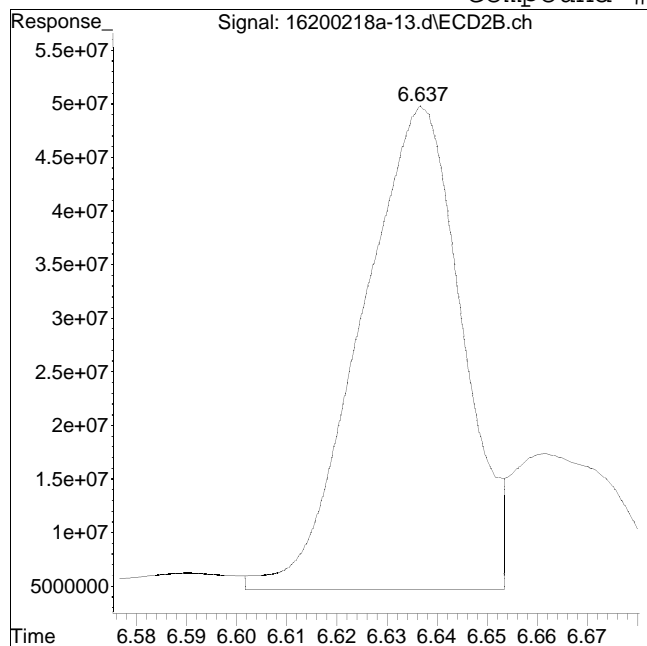
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-13.d
Date Inj'd : 2/18/2020 3:05 pm
Sample : 12006705-11,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #64: 1260-5 #2



Original Peak Response = 626449347

Manual Peak Response = 623505374 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-15.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 3:29 pm
 Operator : pest16:cw
 Sample : 12006705-13,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:32:07 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.253	2.288	606.0E6	1427.0E6	250.000	250.000
Standard Area 1 : #1 = 727219439					Recovery =	83.33%
Standard Area 1 : #2 = 1707763696					Recovery =	83.56%
14) i 2154_1br2nb	2.253	2.288	606.0E6	1427.0E6	250.000	250.000
23) i 4268_1br2nb	2.253	2.288	606.0E6	1427.0E6	250.000	250.000
34) i 1248_1br2nb	2.253	2.288	606.0E6	1427.0E6	250.000	250.000
40) i 3262_1br2nb	2.253	2.288	606.0E6	1427.0E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.768	2.954	806.2E6	1751.8E6	285.681	272.133
Spiked Amount 500.000 Range 30 - 150					Recovery =	57.14% 54.43%
3) s Decachlorobi	6.869	7.412	603.8E6	1097.6E6	304.649M4	304.268M2
Spiked Amount 500.000 Range 30 - 150					Recovery =	60.93% 60.85%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.054	5.545	304.6E6	633.1E6	2244.156	2206.450
10) l2 1260-2	5.259	5.691	506.2E6	851.7E6	2427.427	2547.878
11) l2 1260-3	5.724	6.220	346.4E6	705.8E6	2655.073M4	2649.185M4
12) l2 1260-4	5.940	6.384	865.7E6	1574.5E6	2843.776M2	2833.724M4
13) l2 1260-5	6.139	6.636	566.6E6	1106.7E6	2841.732M4	2949.799M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-15.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 3:29 pm
 Operator : pest16:cw
 Sample : 12006705-13,42e,,
 Misc : wg1341805,wg1341196,ical16473
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:32:07 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1			2589.5E6	4871.9E6	13012.164	13187.036
Average 1260-1					2602.433	2637.407
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D.	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-15.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 3:29 pm
 Operator : pest16:cw
 Sample : 12006705-13,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:32:07 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D.	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-15.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 3:29 pm
 Operator : pest16:cw
 Sample : 12006705-13,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:32:07 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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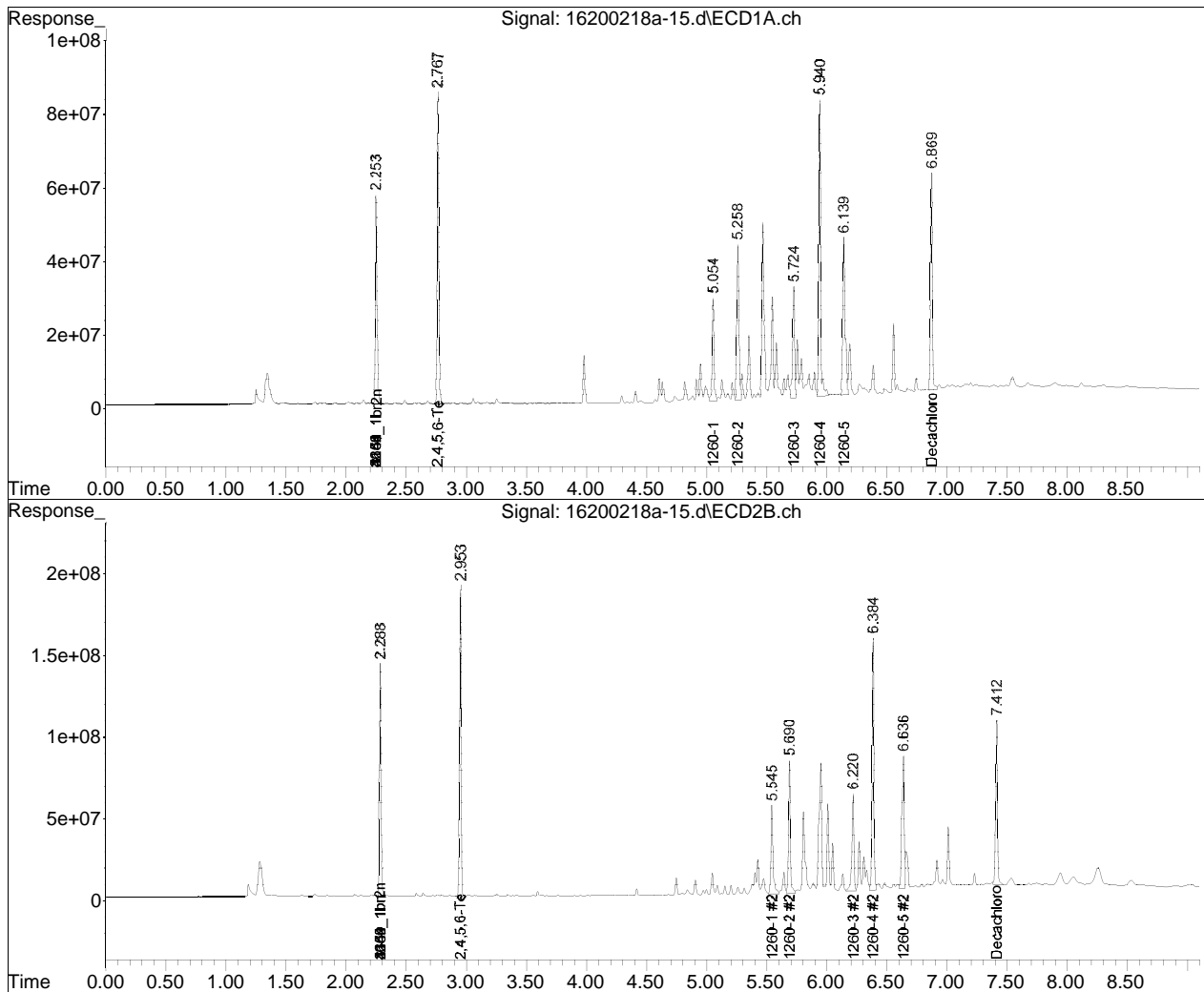
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-15.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 3:29 pm
Operator : pest16:cw
Sample : 12006705-13,42e,,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:32:07 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

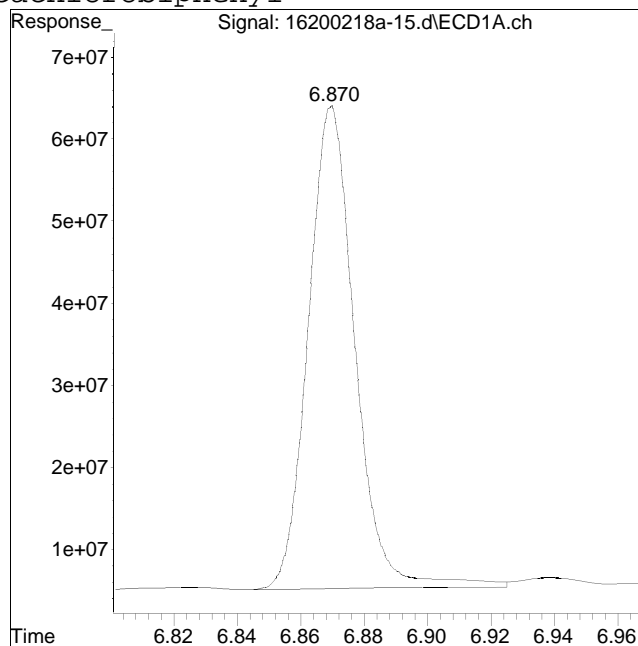
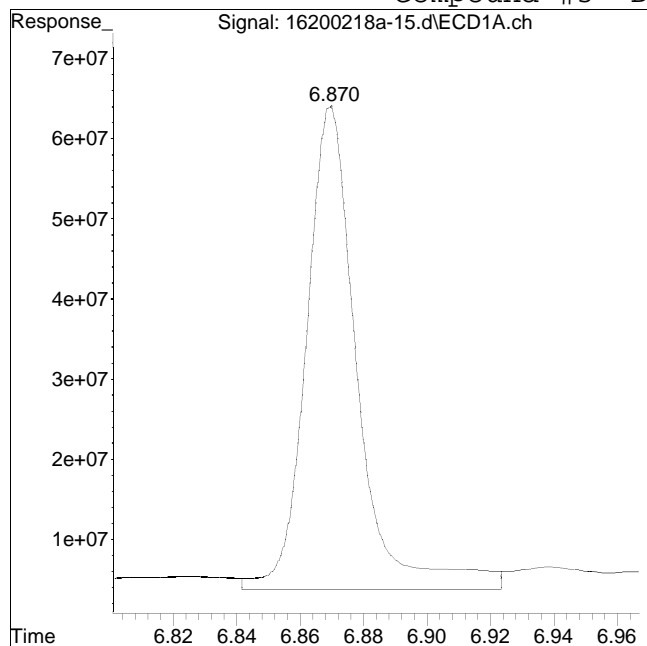


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-15.d
Date Inj'd : 2/18/2020 3:29 pm
Sample : 12006705-13,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 678239497

Manual Peak Response = 603845788 M4

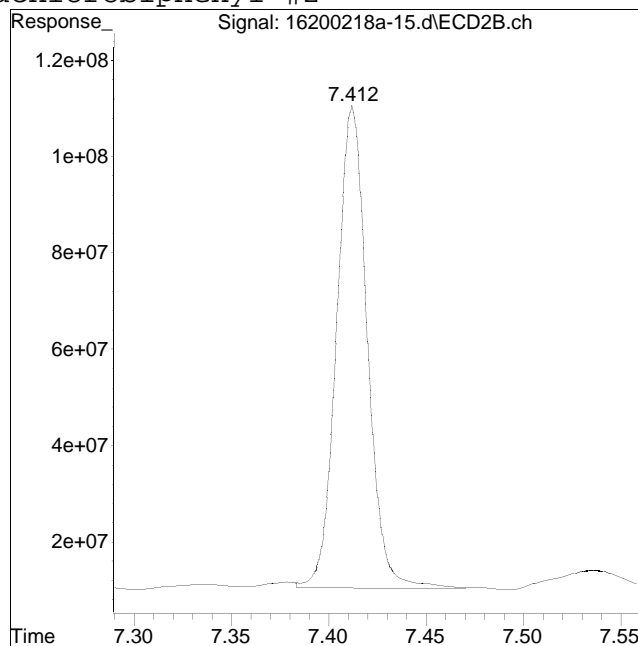
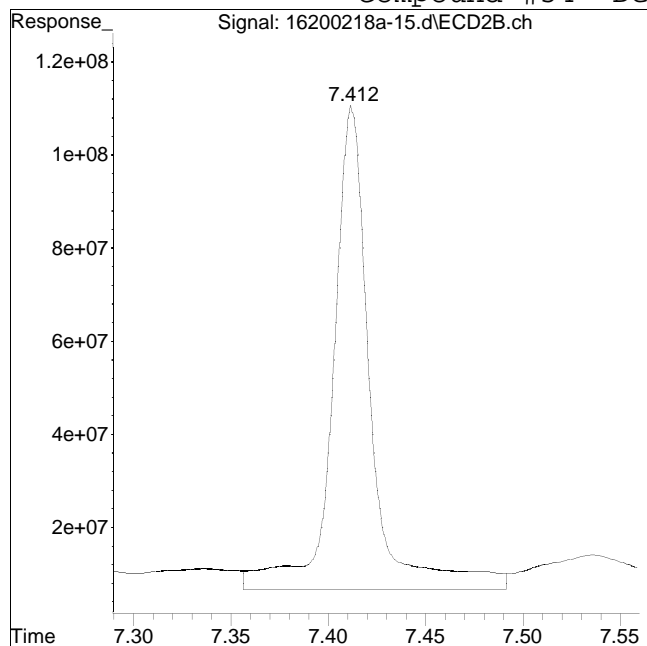
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-15.d
Date Inj'd : 2/18/2020 3:29 pm
Sample : 12006705-13,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #54: Decachlorobiphenyl #2



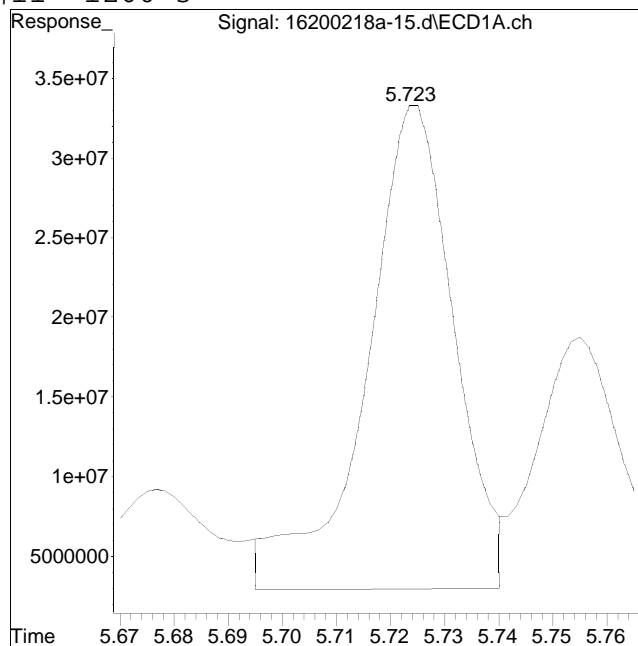
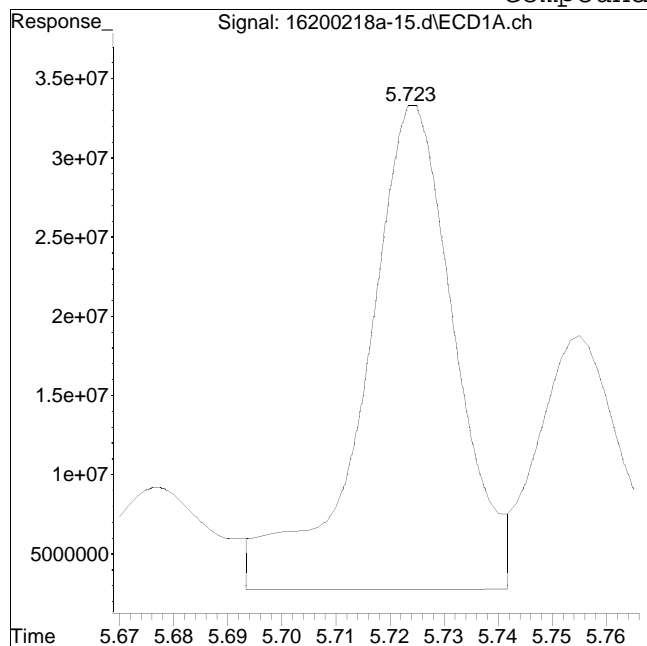
Original Peak Response = 1409224501 Manual Peak Response = 1097624490 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-15.d
Date Inj'd : 2/18/2020 3:29 pm
Sample : 12006705-13,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #11: 1260-3



Original Peak Response = 354391347

Manual Peak Response = 346389033 M4

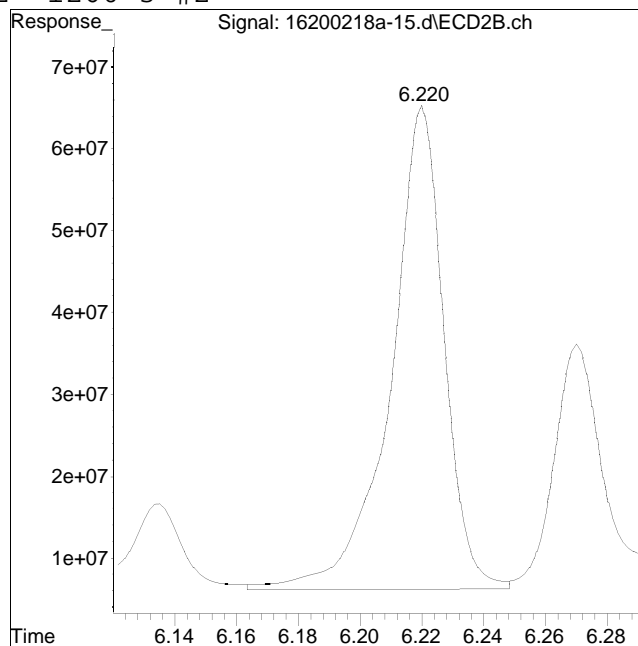
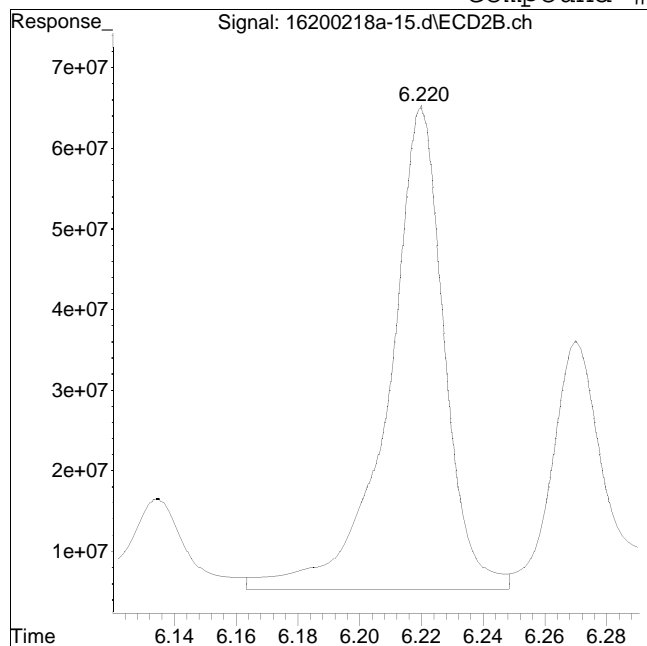
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-15.d
Date Inj'd : 2/18/2020 3:29 pm
Sample : 12006705-13,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #62: 1260-3 #2



Original Peak Response = 750835032

Manual Peak Response = 705841237 M4

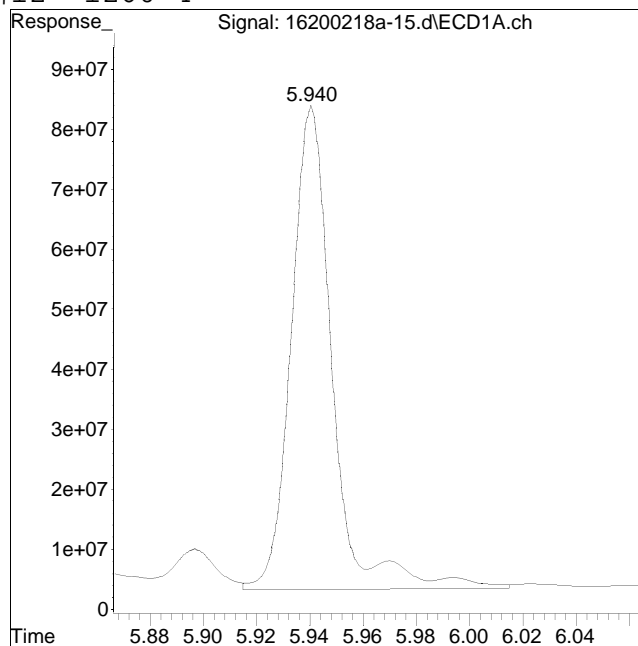
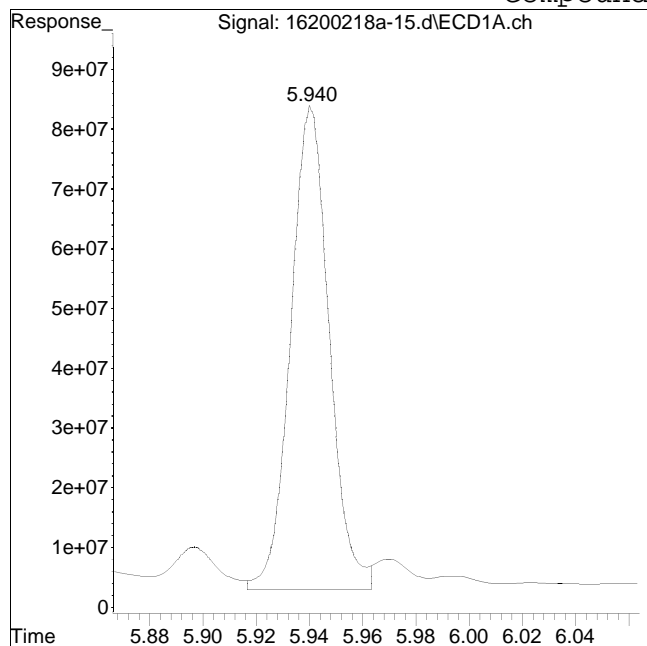
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-15.d
Date Inj'd : 2/18/2020 3:29 pm
Sample : 12006705-13,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #12: 1260-4



Original Peak Response = 812499931

Manual Peak Response = 865728576 M2

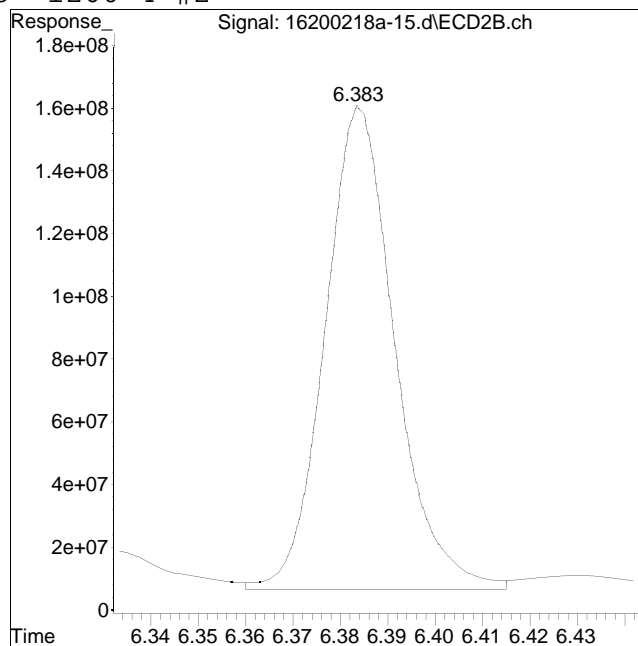
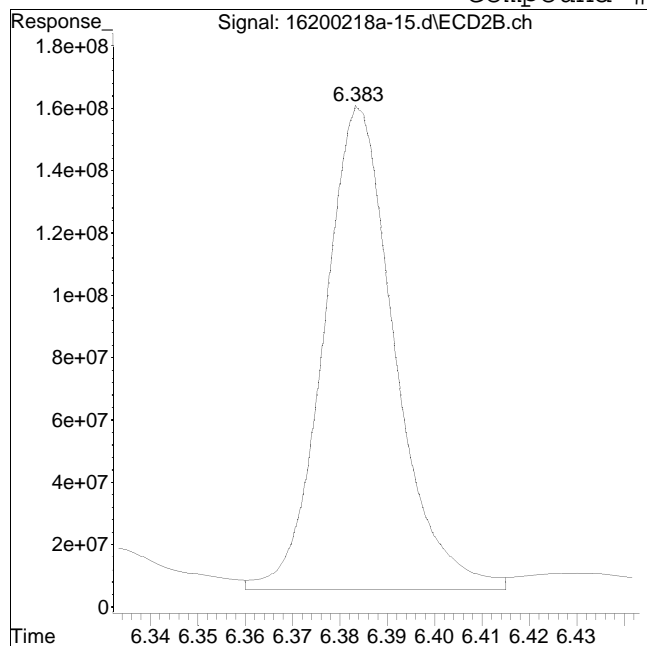
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-15.d
Date Inj'd : 2/18/2020 3:29 pm
Sample : 12006705-13,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #63: 1260-4 #2



Original Peak Response = 1611053236

Manual Peak Response = 1574507168 M4

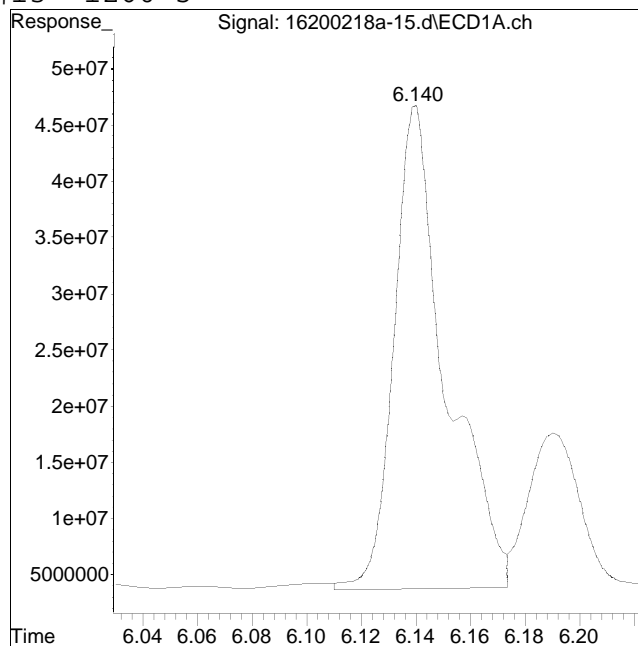
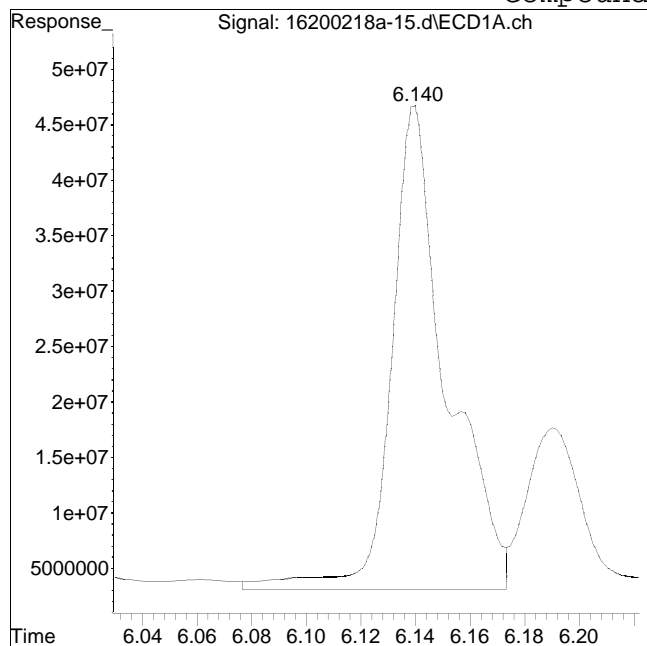
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-15.d
Date Inj'd : 2/18/2020 3:29 pm
Sample : 12006705-13,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #13: 1260-5



Original Peak Response = 612951591

Manual Peak Response = 566582050 M4

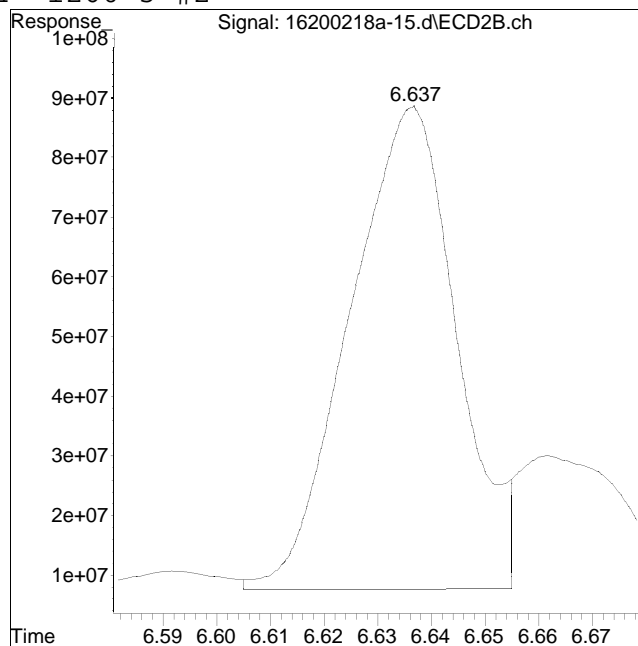
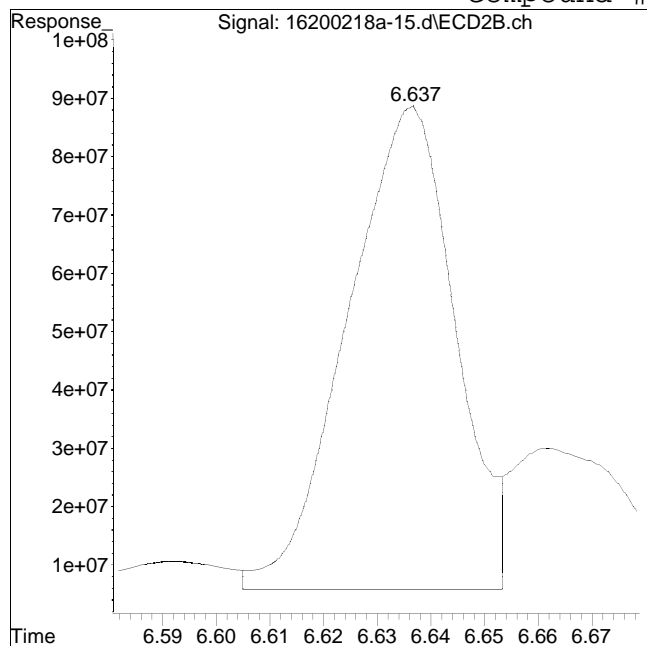
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-15.d
Date Inj'd : 2/18/2020 3:29 pm
Sample : 12006705-13,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #64: 1260-5 #2



Original Peak Response = 1150564653

Manual Peak Response = 1106720278 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-18.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 4:04 pm
 Operator : pest16:cw
 Sample : 12006705-20,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:24:29 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.253	2.288	674.1E6	1621.3E6	250.000	250.000
Standard Area 1 : #1 = 727219439					Recovery =	92.69%
Standard Area 1 : #2 = 1707763696					Recovery =	94.93%
14) i 2154_1br2nb	2.253	2.288	674.1E6	1621.3E6	250.000	250.000
23) i 4268_1br2nb	2.253	2.288	674.1E6	1621.3E6	250.000	250.000
34) i 1248_1br2nb	2.253	2.288	674.1E6	1621.3E6	250.000	250.000
40) i 3262_1br2nb	2.253	2.288	674.1E6	1621.3E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.767	2.953	1036.7E6	2290.0E6	330.257	313.139
Spiked Amount 500.000 Range 30 - 150					Recovery =	66.05% 62.63%
3) s Decachlorobi	6.869	7.411	681.6E6	1256.2E6	309.135M4	306.508M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	61.83% 61.30%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.053	5.545	25480788	39746834	168.787M2	121.931M2
10) l2 1260-2	5.258	5.690	41887009	72149103	180.581M2	189.984M2
11) l2 1260-3	5.724	6.218	24397984	64235956	168.121M4	212.212M4
12) l2 1260-4	5.939	6.383	67132598	132.4E6	198.245M4	209.672M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-18.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 4:04 pm
 Operator : pest16:cw
 Sample : 12006705-20,42e,,
 Misc : wg1341805,wg1341196,ical16473
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:24:29 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) 12	1260-5	6.139	6.635	44807490	87395045	202.035M4	205.035M4
	Sum 1260-1			203.7E6	395.9E6	917.768	938.835
	Average 1260-1					183.554	187.767
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D.	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-18.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 4:04 pm
 Operator : pest16:cw
 Sample : 12006705-20,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:24:29 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17	1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D.	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-18.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 4:04 pm
 Operator : pest16:cw
 Sample : 12006705-20,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:24:29 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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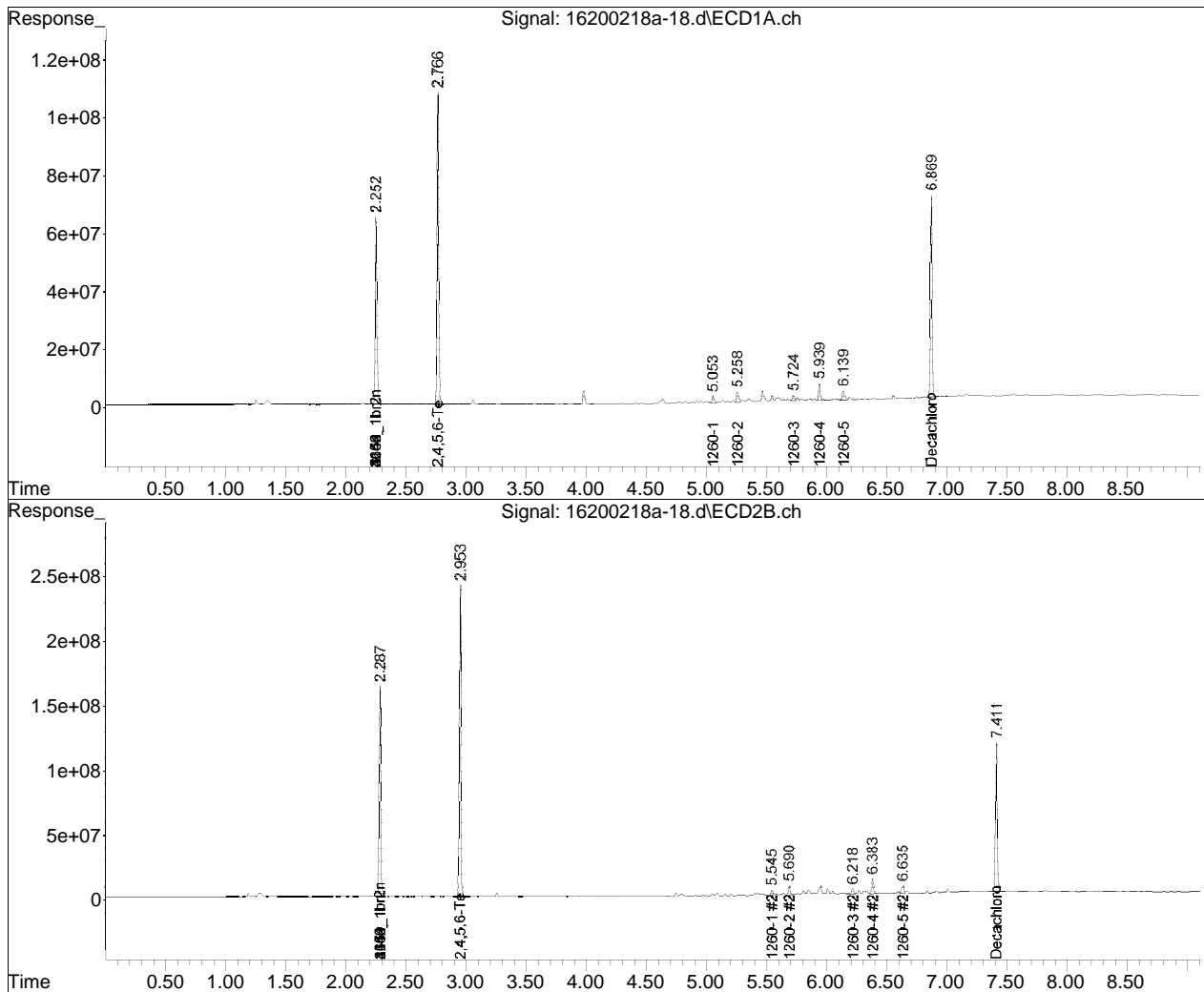
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 4:04 pm
Operator : pest16:cw
Sample : 12006705-20,42e,,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:24:29 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

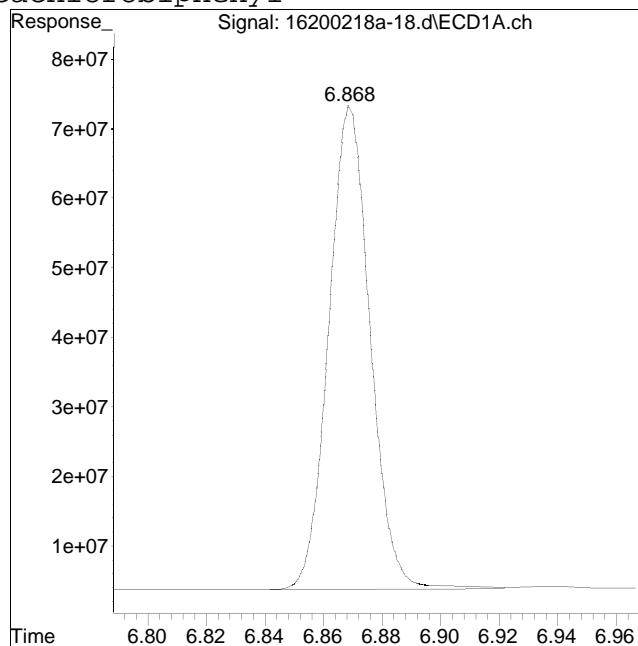
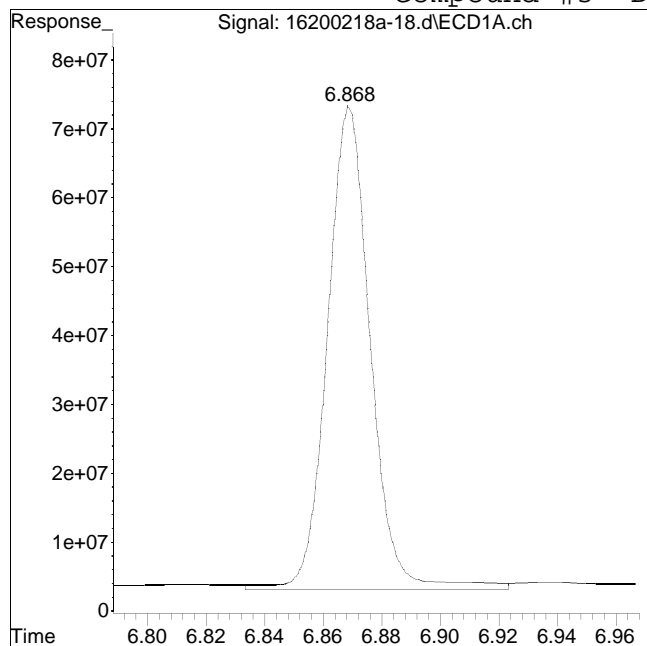


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Date Inj'd : 2/18/2020 4:04 pm
Sample : 12006705-20,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 719059233

Manual Peak Response = 681583260 M4

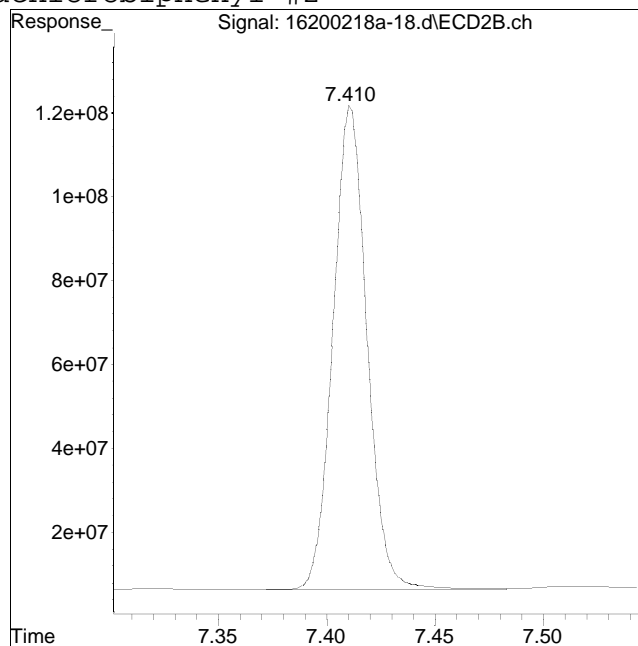
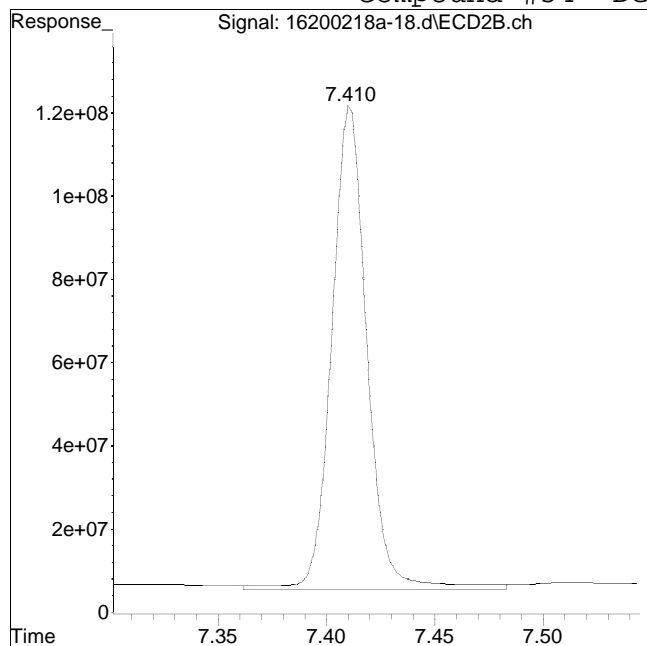
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Date Inj'd : 2/18/2020 4:04 pm
Sample : 12006705-20,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1325810044

Manual Peak Response = 1256180490 M4

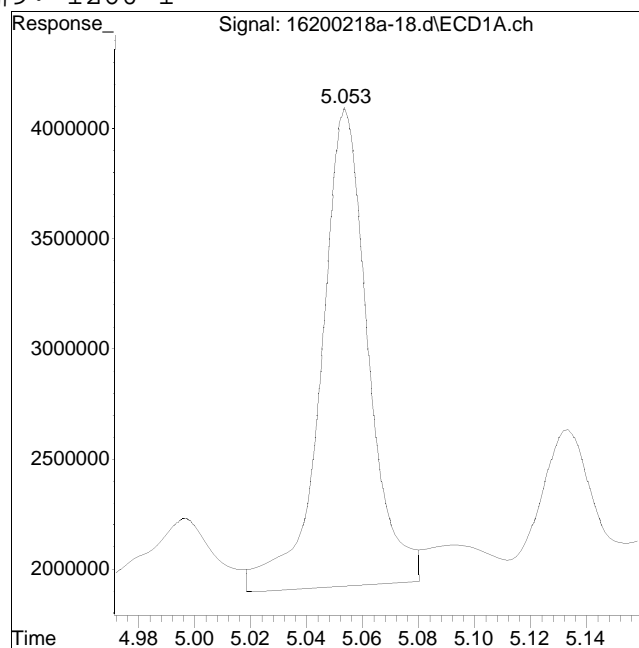
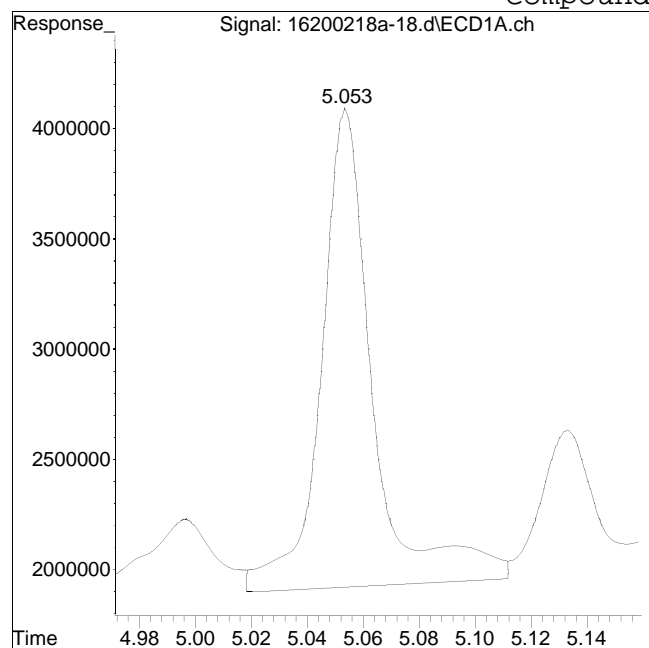
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Date Inj'd : 2/18/2020 4:04 pm
Sample : 12006705-20,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #9: 1260-1



Original Peak Response = 28010236

Manual Peak Response = 25480788 M2

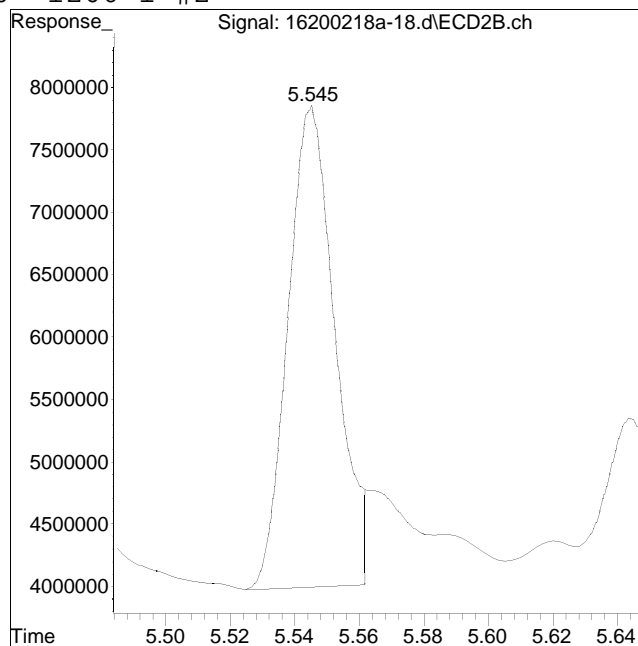
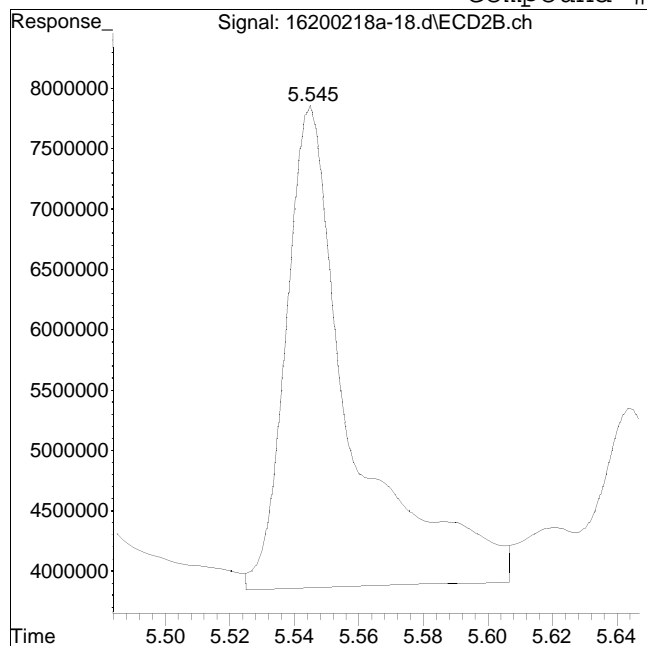
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Date Inj'd : 2/18/2020 4:04 pm
Sample : 12006705-20,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #60: 1260-1 #2



Original Peak Response = 56782641

Manual Peak Response = 39746834 M2

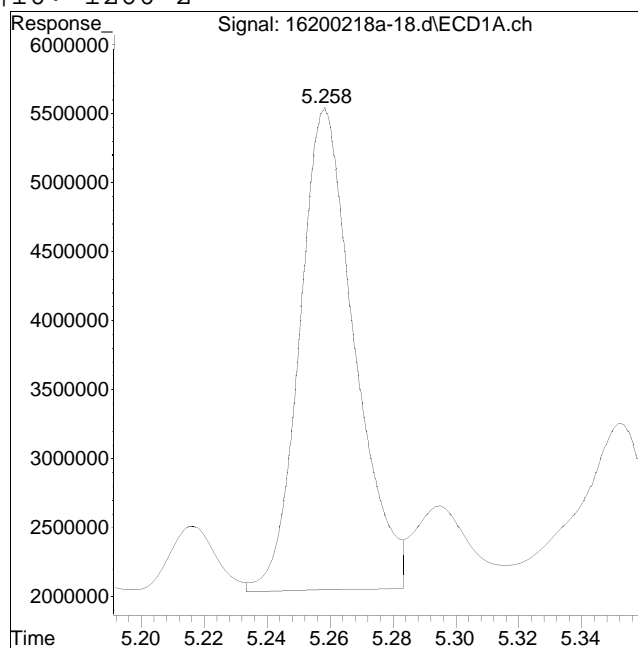
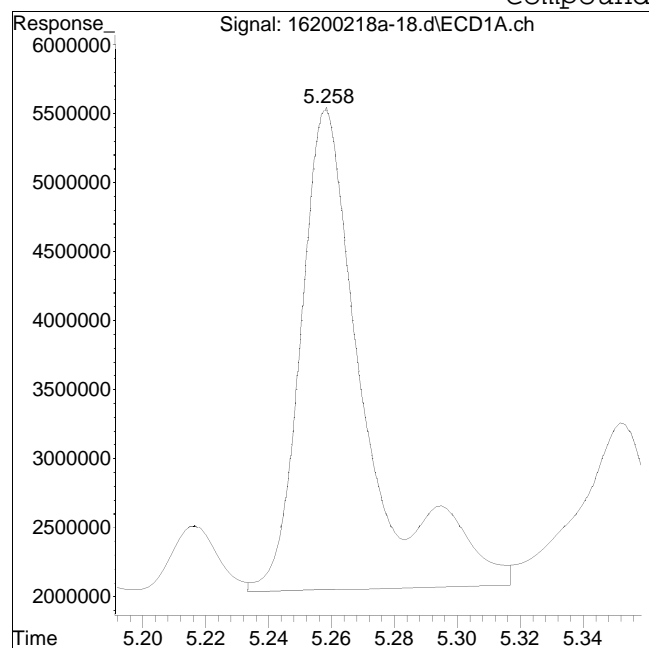
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Date Inj'd : 2/18/2020 4:04 pm
Sample : 12006705-20,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #10: 1260-2



Original Peak Response = 49284499

Manual Peak Response = 41887009 M2

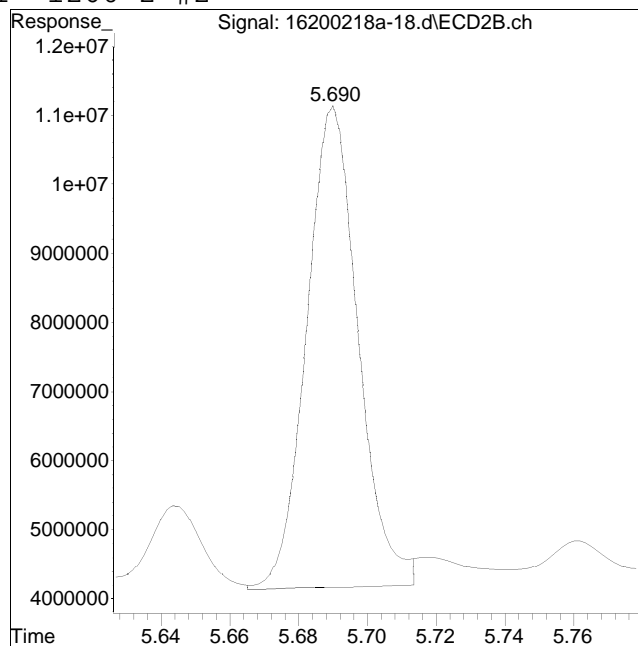
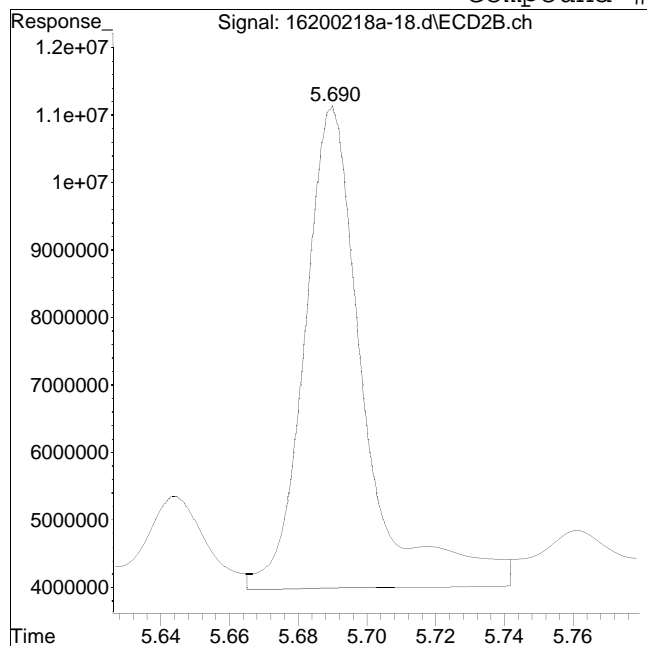
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Date Inj'd : 2/18/2020 4:04 pm
Sample : 12006705-20,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #61: 1260-2 #2



Original Peak Response = 85648375

Manual Peak Response = 72149103 M2

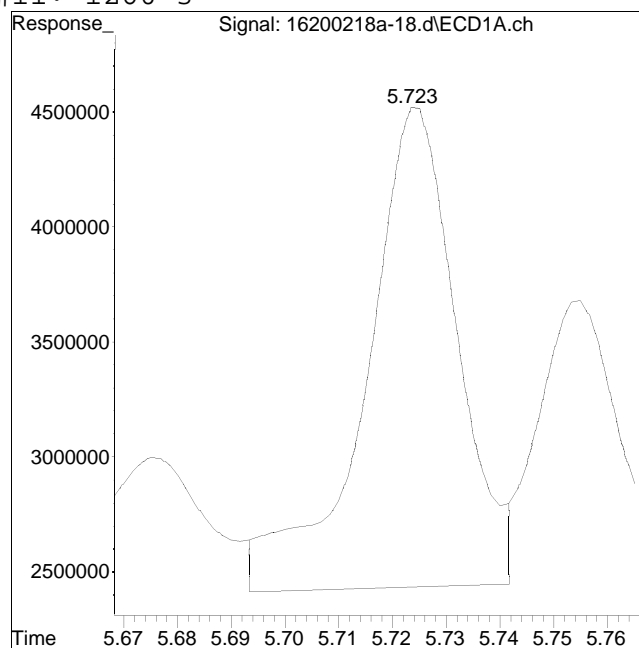
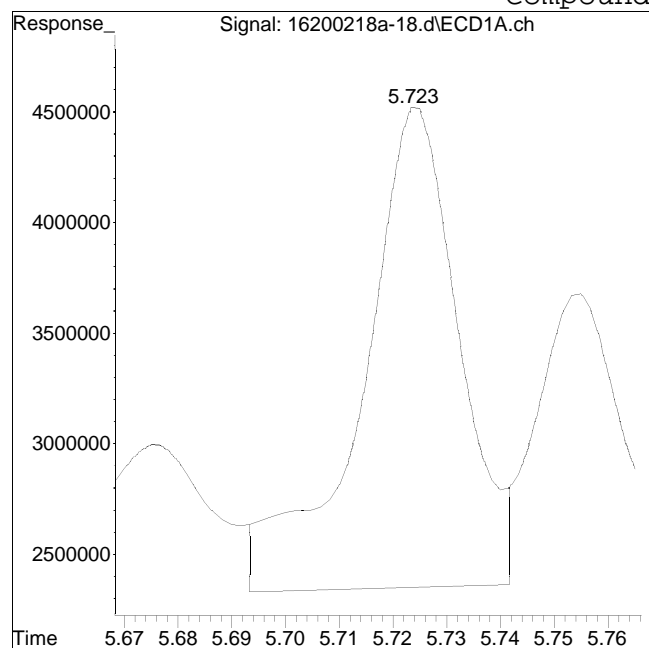
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Date Inj'd : 2/18/2020 4:04 pm
Sample : 12006705-20,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #11: 1260-3



Original Peak Response = 26972862

Manual Peak Response = 24397984 M4

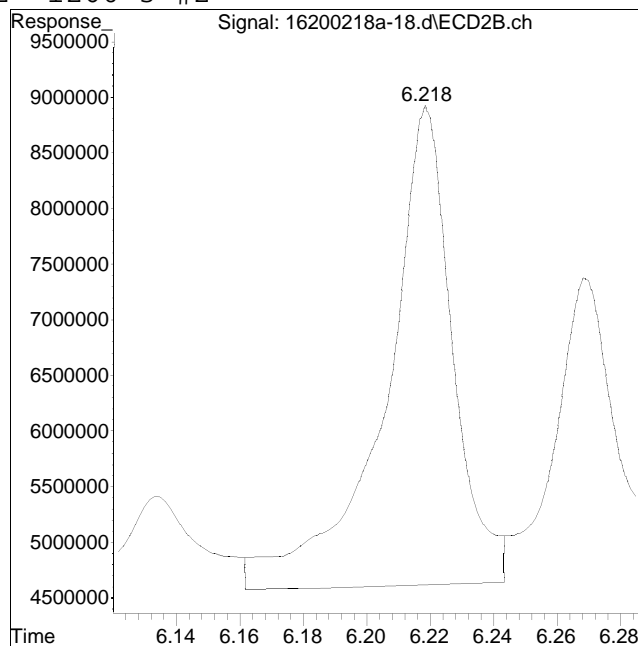
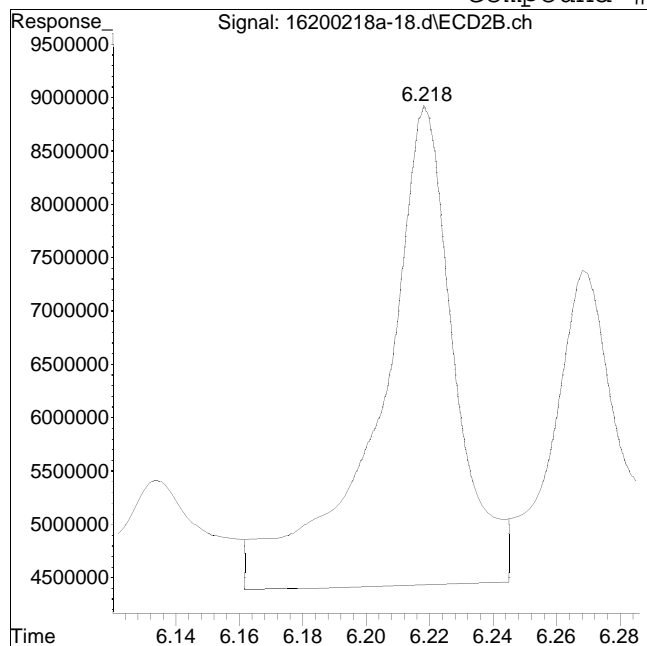
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Date Inj'd : 2/18/2020 4:04 pm
Sample : 12006705-20,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #62: 1260-3 #2



Original Peak Response = 73410680

Manual Peak Response = 64235956 M4

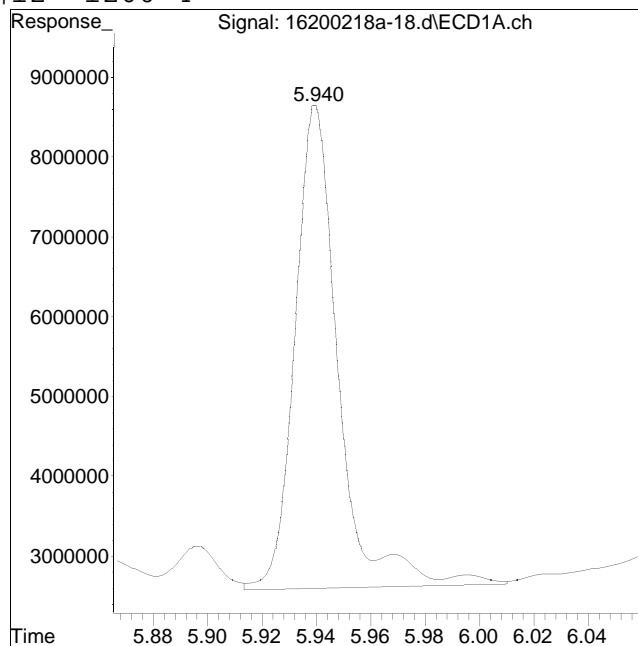
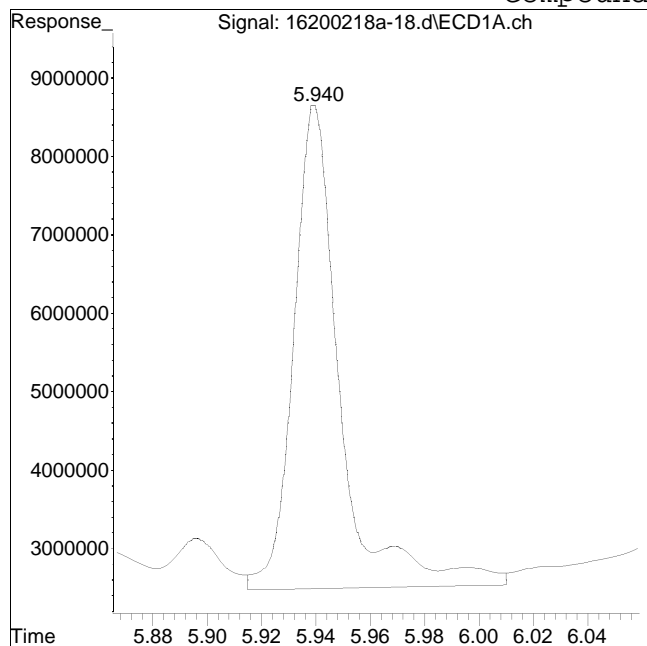
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Date Inj'd : 2/18/2020 4:04 pm
Sample : 12006705-20,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #12: 1260-4



Original Peak Response = 73458643

Manual Peak Response = 67132598 M4

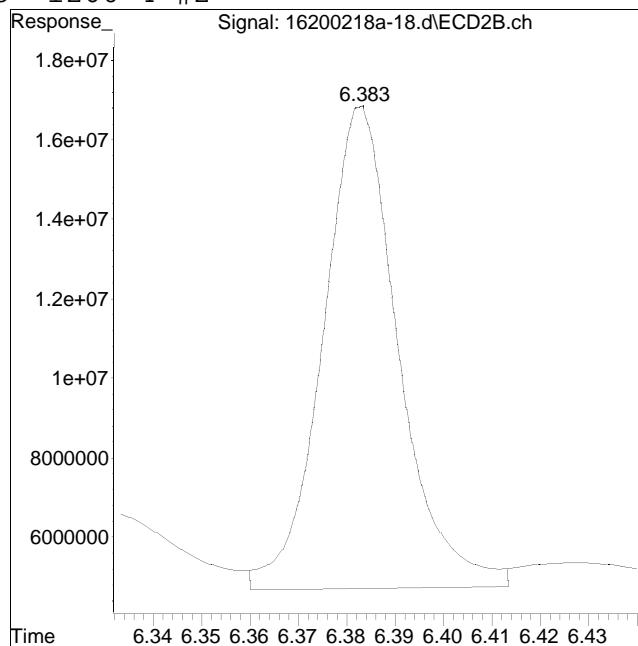
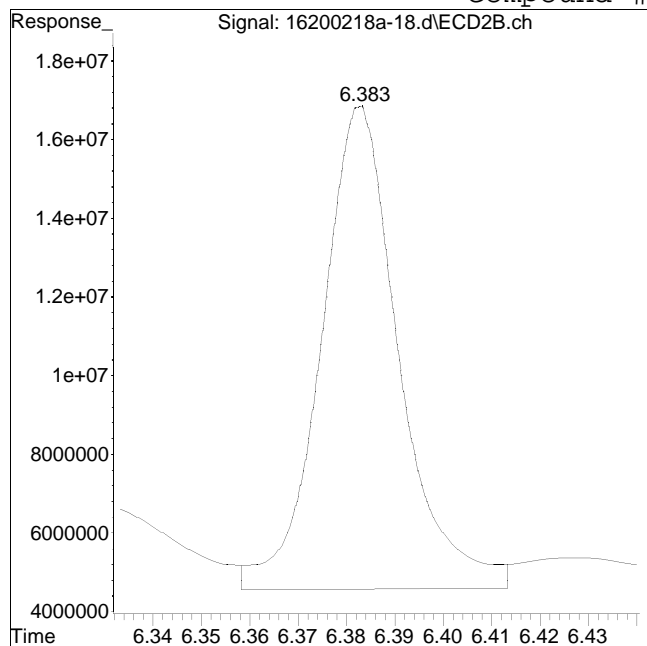
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Date Inj'd : 2/18/2020 4:04 pm
Sample : 12006705-20,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #63: 1260-4 #2



Original Peak Response = 136460472

Manual Peak Response = 132355101 M4

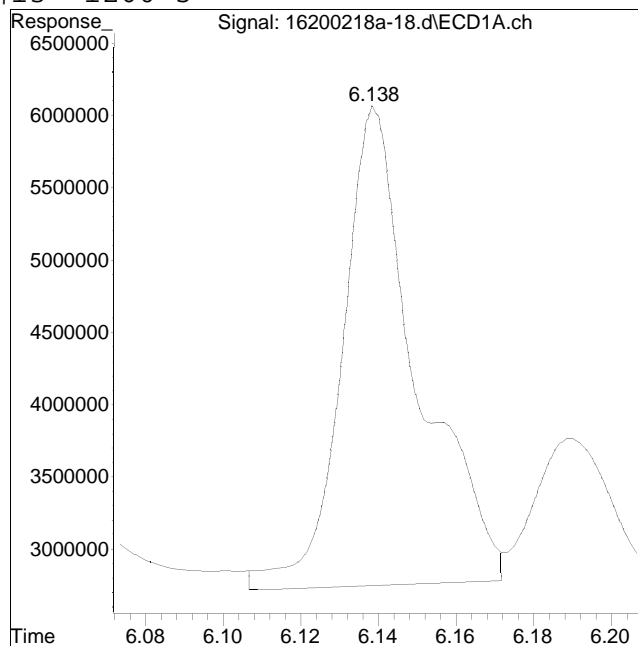
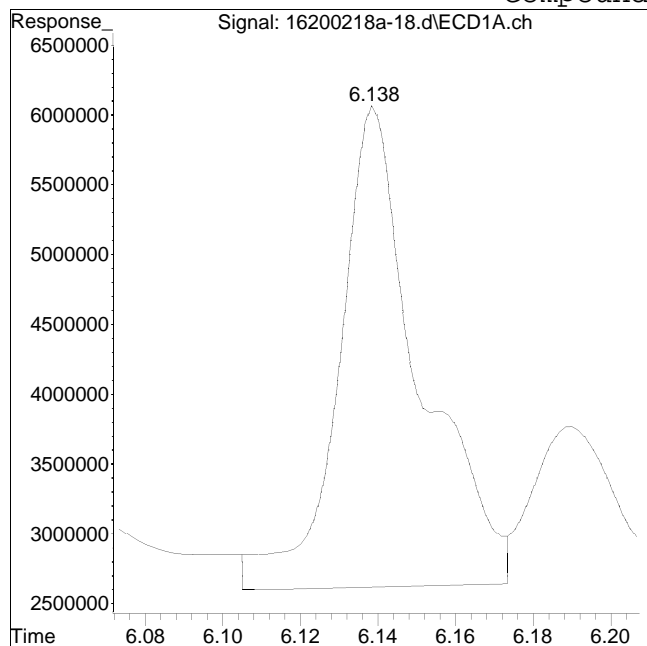
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Date Inj'd : 2/18/2020 4:04 pm
Sample : 12006705-20,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #13: 1260-5



Original Peak Response = 50138636

Manual Peak Response = 44807490 M4

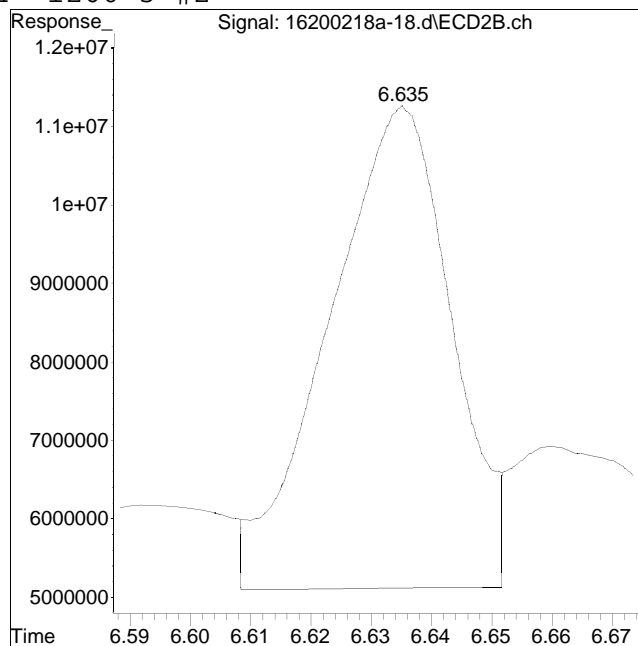
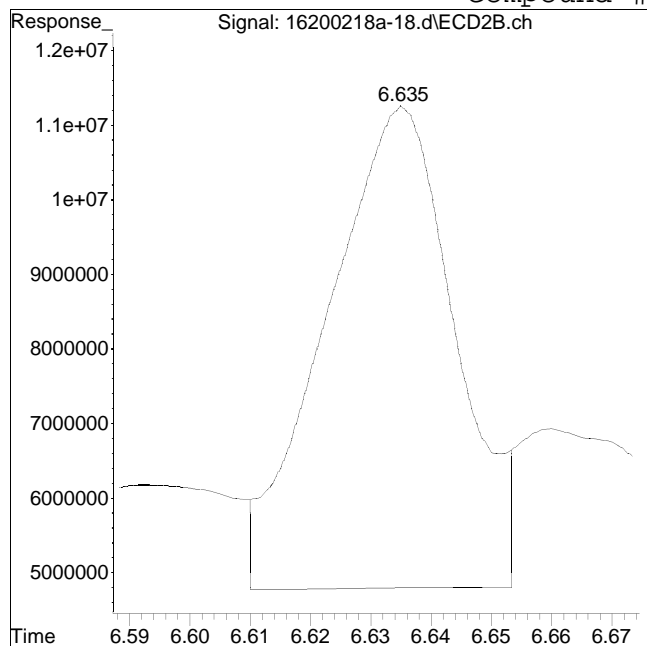
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-18.d
Date Inj'd : 2/18/2020 4:04 pm
Sample : 12006705-20,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #64: 1260-5 #2



Original Peak Response = 95066424

Manual Peak Response = 87395045 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-19.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 4:16 pm
 Operator : pest16:cw
 Sample : 12006705-21,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:32:54 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.253	2.288	646.3E6	1547.0E6	250.000M4	250.000M4
Standard Area 1 : #1 = 727219439					Recovery = 88.88%	
Standard Area 1 : #2 = 1707763696					Recovery = 90.59%	
14) i 2154_1br2nb	2.253	2.288	646.3E6	1547.0E6	250.000M4	250.000M4
23) i 4268_1br2nb	2.253	2.288	646.3E6	1547.0E6	250.000M4	250.000M4
34) i 1248_1br2nb	2.253	2.288	646.3E6	1547.0E6	250.000M4	250.000M4
40) i 3262_1br2nb	2.253	2.288	646.3E6	1547.0E6	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.767	2.953	1096.4E6	2463.4E6	364.260M4	353.011M4
Spiked Amount 500.000 Range 30 - 150					Recovery = 72.85%	70.60%
3) s Decachlorobi	6.867	7.410	712.4E6	1316.5E6	336.960M4	336.645
Spiked Amount 500.000 Range 30 - 150					Recovery = 67.39%	67.33%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.053	5.545	34277257	77896336	236.790M4	250.426
10) l2 1260-2	5.258	5.689	60790743	103.9E6	273.313M4	286.831

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-19.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 4:16 pm
 Operator : pest16:cw
 Sample : 12006705-21,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:32:54 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) 12	1260-3	5.724	6.219	35524029	80697153	255.282M4	279.384
12) 12	1260-4	5.939	6.383	91125693	161.0E6	280.634M2	267.319
13) 12	1260-5	6.139	6.635	64444692	115.4E6	303.035	283.795
	Sum 1260-1			286.2E6	539.0E6	1349.054	1367.755
	Average 1260-1					269.811	273.551
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D.	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-19.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 4:16 pm
 Operator : pest16:cw
 Sample : 12006705-21,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:32:54 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D.	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D.	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-19.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 4:16 pm
 Operator : pest16:cw
 Sample : 12006705-21,42e,,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:32:54 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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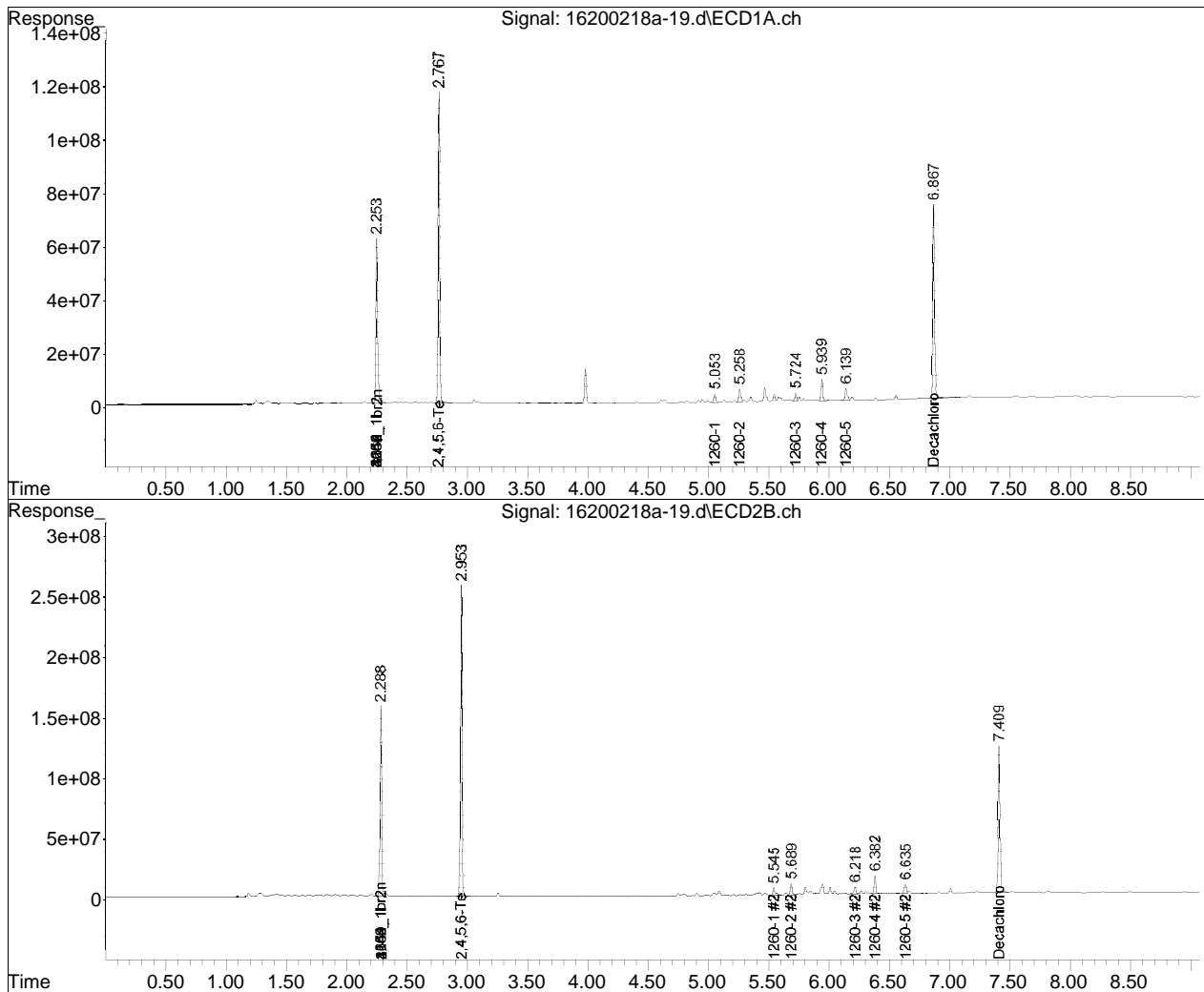
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed(a-02.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 4:16 pm
Operator : pest16:cw
Sample : 12006705-21,42e,,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:32:54 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

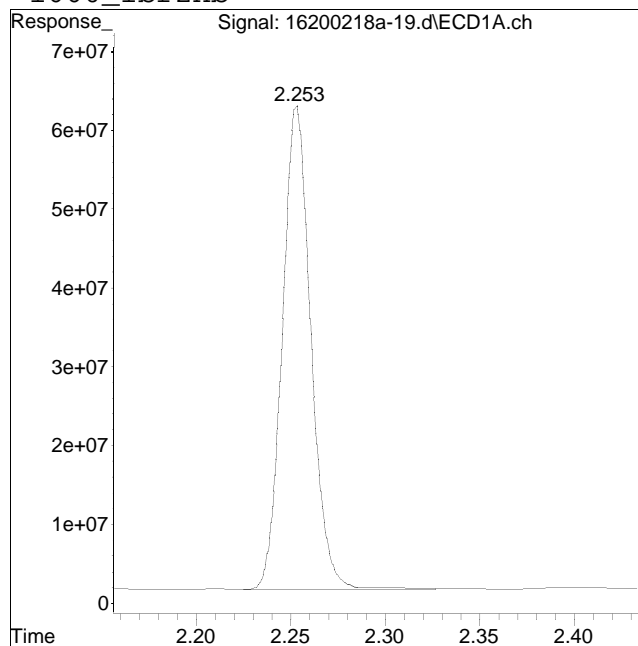
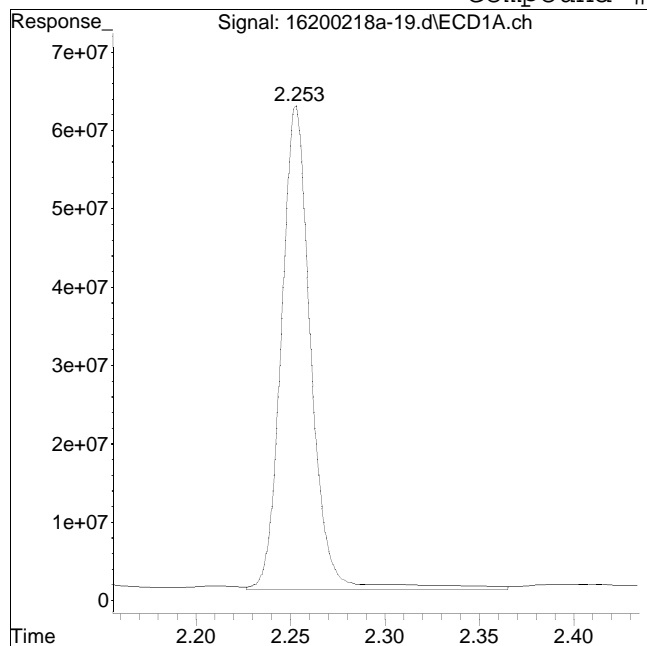


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-19.d
Date Inj'd : 2/18/2020 4:16 pm
Sample : 12006705-21,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #1: 1660_1br2nb



Original Peak Response = 677799349

Manual Peak Response = 646346956 M4

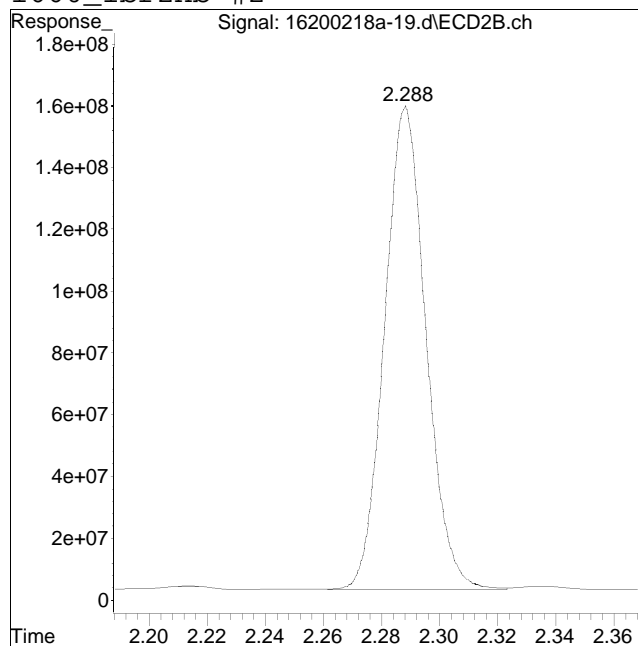
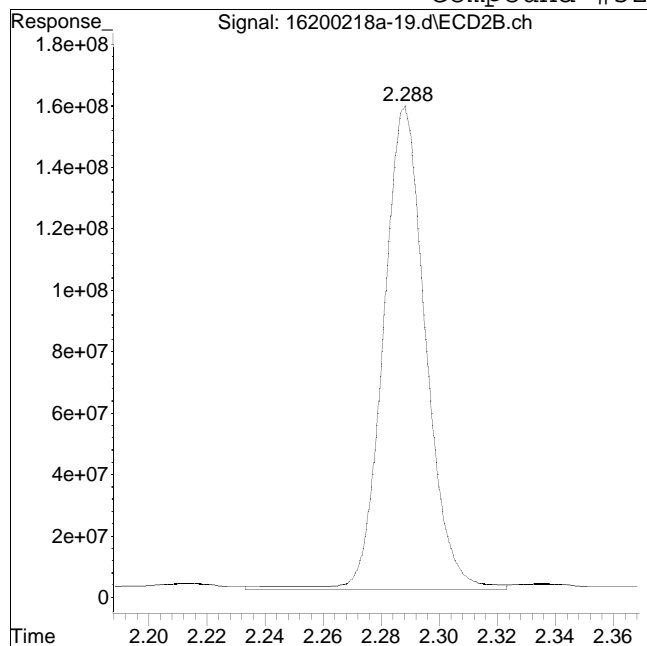
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-19.d
Date Inj'd : 2/18/2020 4:16 pm
Sample : 12006705-21,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 1600509149

Manual Peak Response = 1547037423 M4

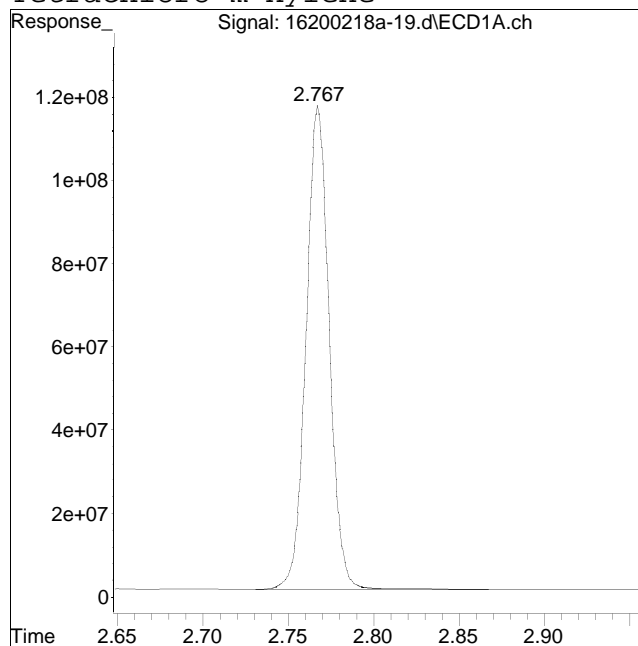
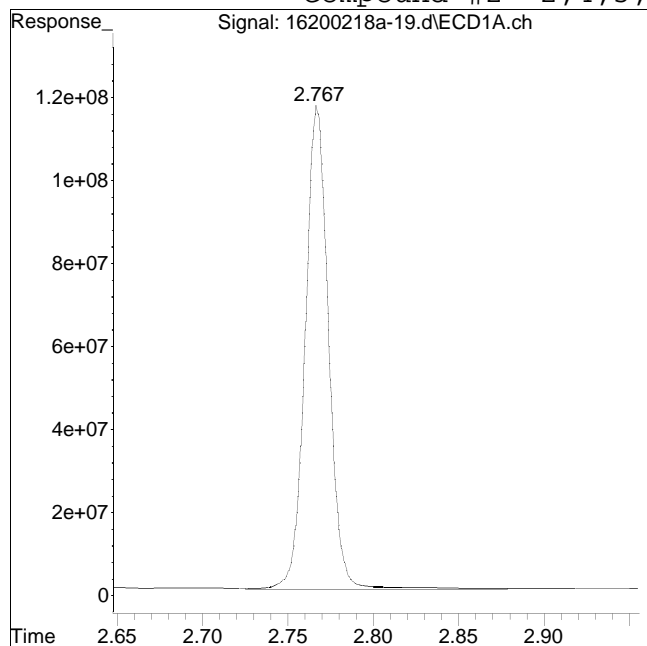
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-19.d
Date Inj'd : 2/18/2020 4:16 pm
Sample : 12006705-21,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 1126193823

Manual Peak Response = 1096386400 M4

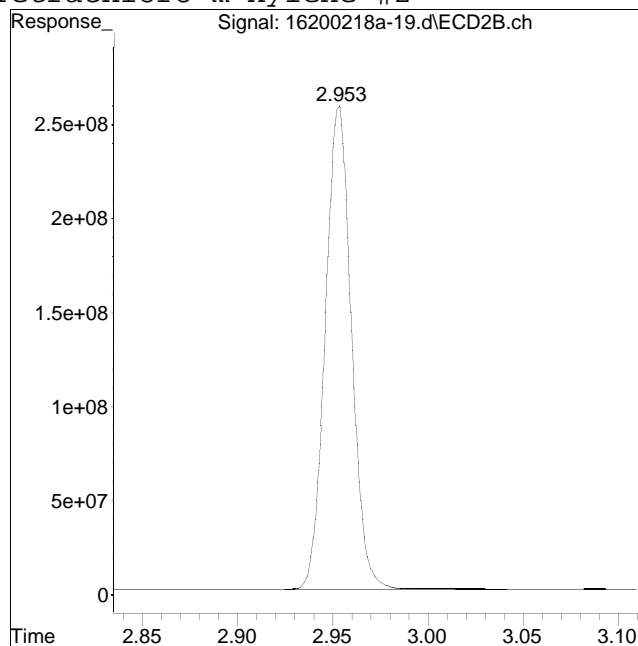
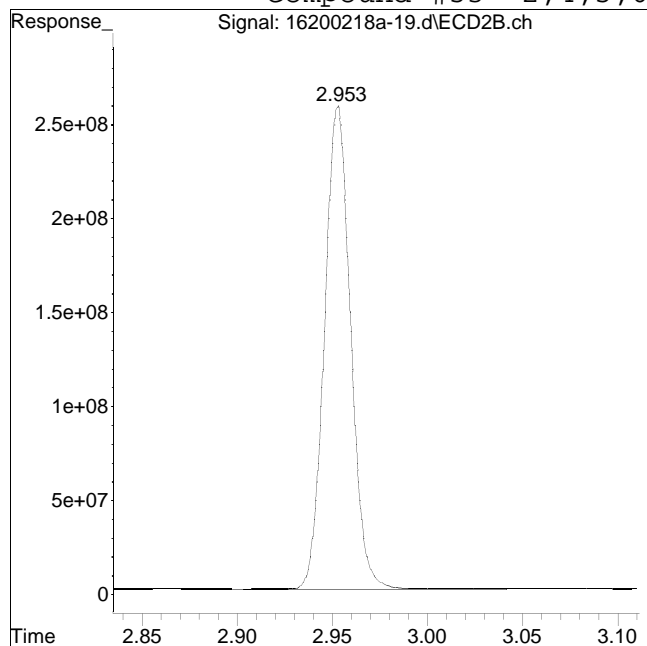
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-19.d
Date Inj'd : 2/18/2020 4:16 pm
Sample : 12006705-21,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 2490725065

Manual Peak Response = 2463438526 M4

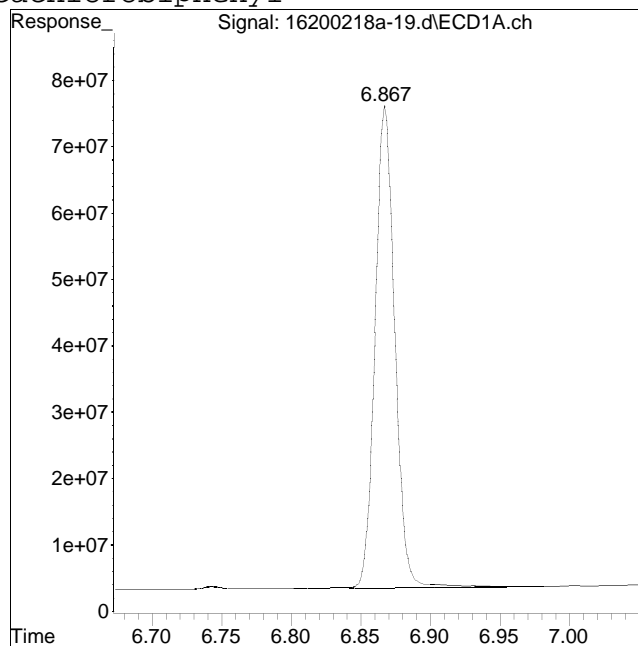
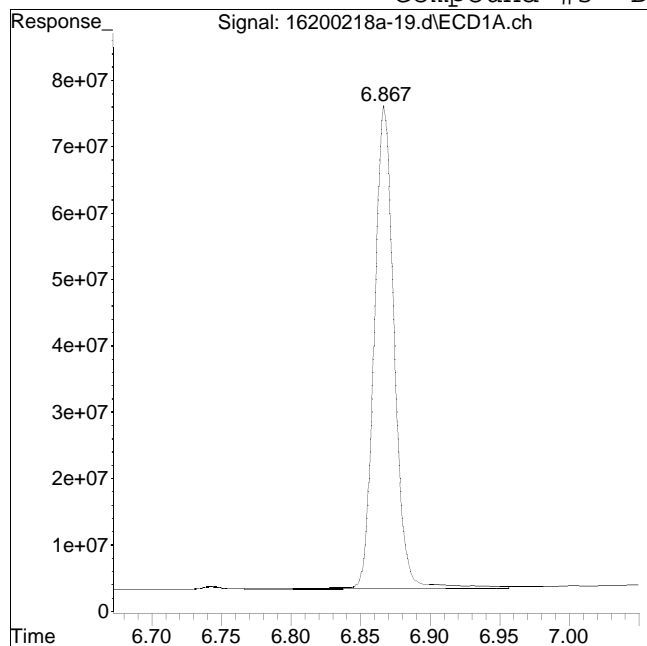
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-19.d
Date Inj'd : 2/18/2020 4:16 pm
Sample : 12006705-21,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 729121988

Manual Peak Response = 712391158 M4

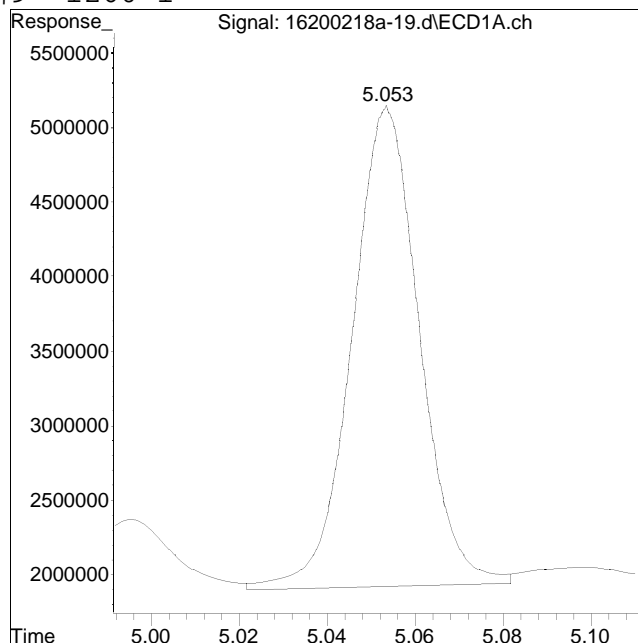
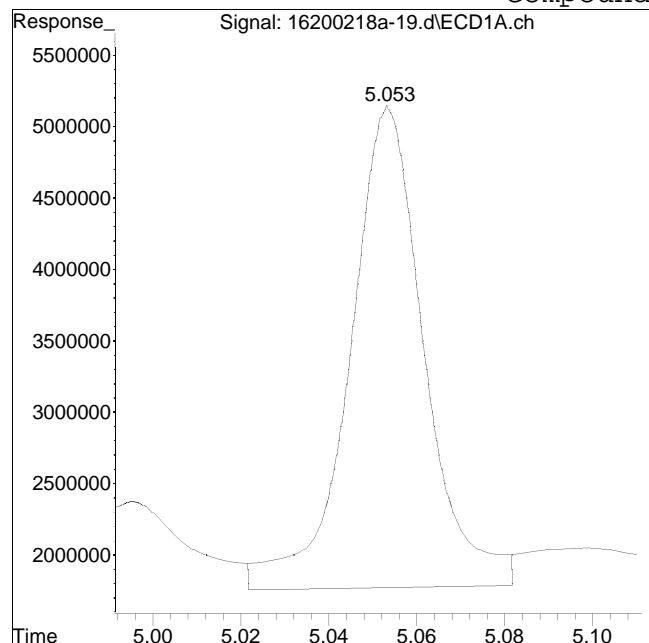
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-19.d
Date Inj'd : 2/18/2020 4:16 pm
Sample : 12006705-21,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #9: 1260-1



Original Peak Response = 39503118

Manual Peak Response = 34277257 M4

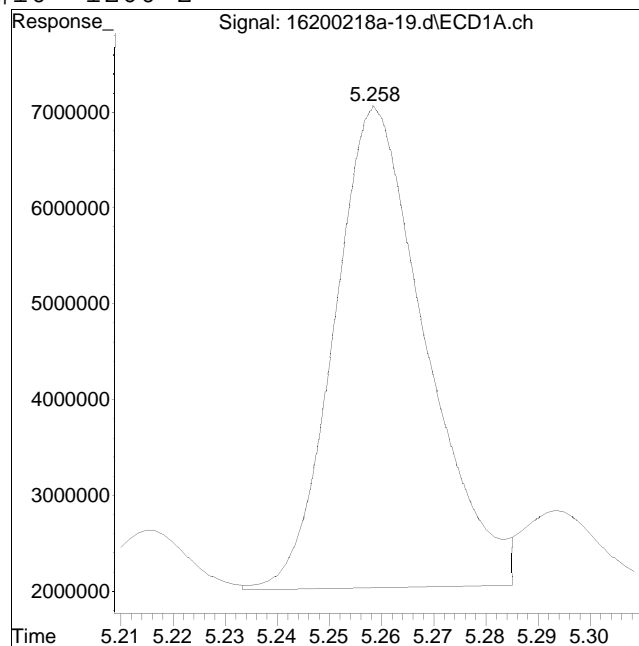
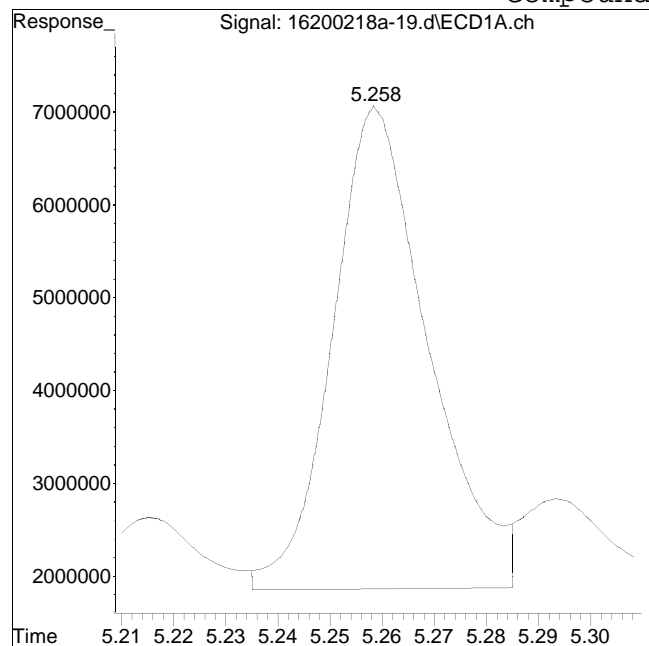
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-19.d
Date Inj'd : 2/18/2020 4:16 pm
Sample : 12006705-21,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #10: 1260-2



Original Peak Response = 65885447

Manual Peak Response = 60790743 M4

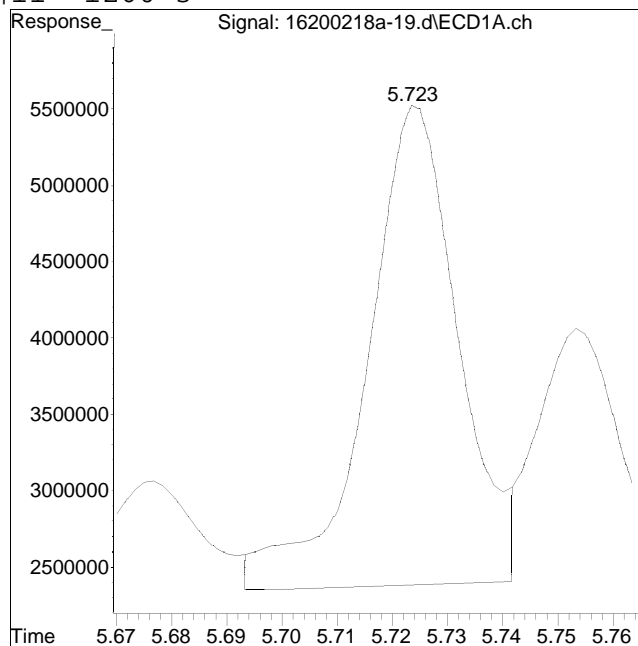
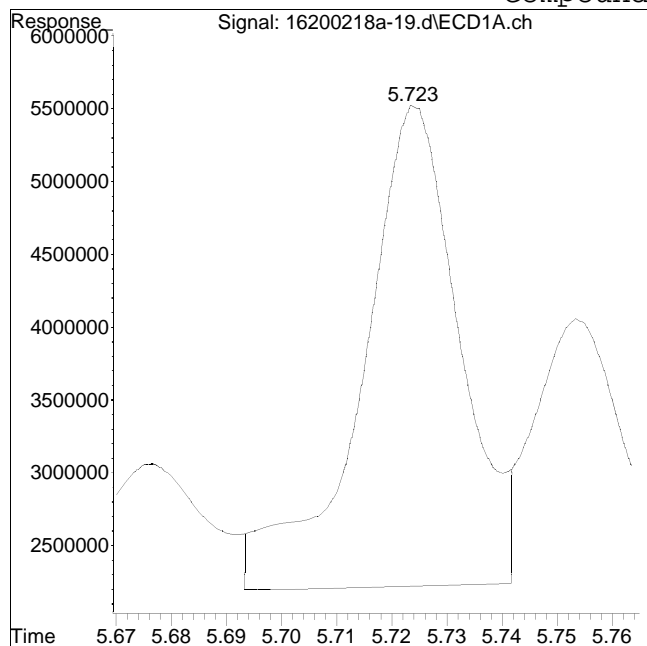
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-19.d
Date Inj'd : 2/18/2020 4:16 pm
Sample : 12006705-21,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #11: 1260-3



Original Peak Response = 40078154

Manual Peak Response = 35524029 M4

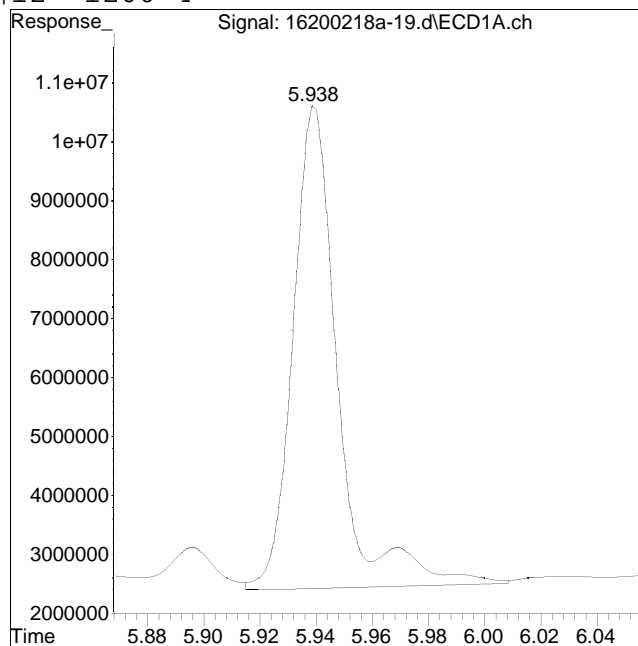
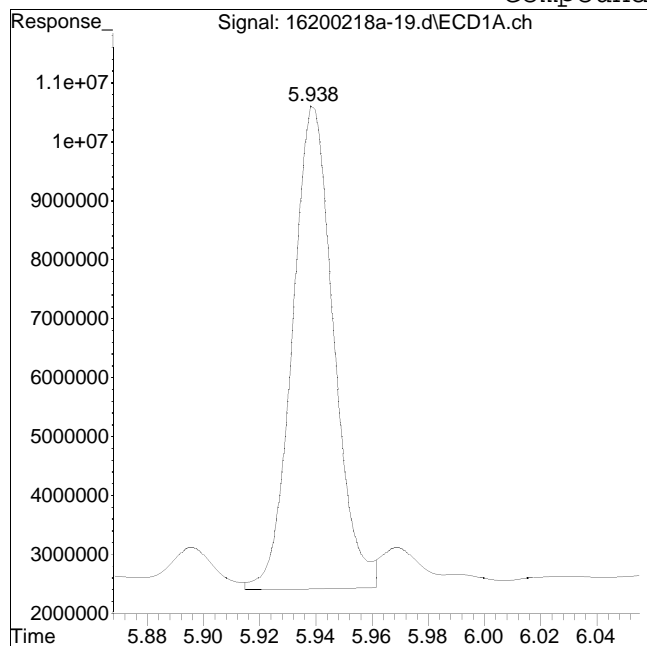
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-19.d
Date Inj'd : 2/18/2020 4:16 pm
Sample : 12006705-21,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:28 pm

Compound #12: 1260-4



Original Peak Response = 82966653

Manual Peak Response = 91125693 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-25.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 8:49 pm
 Operator : pest16:cw
 Sample : l2006705-06d,42e,5,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:29:38 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.278	2.308	777.5E6	1873.1E6	250.000	250.000
Standard Area 1 : #1 = 746602731					Recovery =	104.14%
Standard Area 1 : #2 = 1826171471					Recovery =	102.57%
14) i 2154_1br2nb	2.278	2.308	777.5E6	1873.1E6	250.000	250.000
23) i 4268_1br2nb	2.278	2.308	777.5E6	1873.1E6	250.000	250.000
34) i 1248_1br2nb	2.278	2.308	777.5E6	1873.1E6	250.000	250.000
40) i 3262_1br2nb	2.278	2.308	777.5E6	1873.1E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.801	2.980	222.6E6	490.7E6	61.472	58.078M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	12.29%# 11.62%#
3) s Decachlorobi	6.924f	7.478f	148.8E6	286.1E6	58.526M4	60.420M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	11.71%# 12.08%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.098f	5.577f	347.6E6	714.1E6	1996.288M4	1896.067M4
10) l2 1260-2	5.302f	5.723f	668.6E6	931.6E6	2498.736M4	2123.204M4
11) l2 1260-3	5.768f	6.254f	430.2E6	919.7E6	2569.642M4	2629.932M4
12) l2 1260-4	0.000	6.419f	0	1989.8E6	N.D. d	2728.270M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-25.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 8:49 pm
 Operator : pest16:cw
 Sample : 12006705-06d,42e,5,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:29:38 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	12 1260-5	6.183f	6.677f	731.4E6	1370.6E6	2858.848M4	2783.247
	Sum 1260-1			2177.7E6	5925.9E6	9923.514	12160.720
	Average 1260-1					2480.879	2432.144
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-25.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 8:49 pm
 Operator : pest16:cw
 Sample : 12006705-06d,42e,5,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:29:38 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-25.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 8:49 pm
 Operator : pest16:cw
 Sample : 12006705-06d,42e,5,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:29:38 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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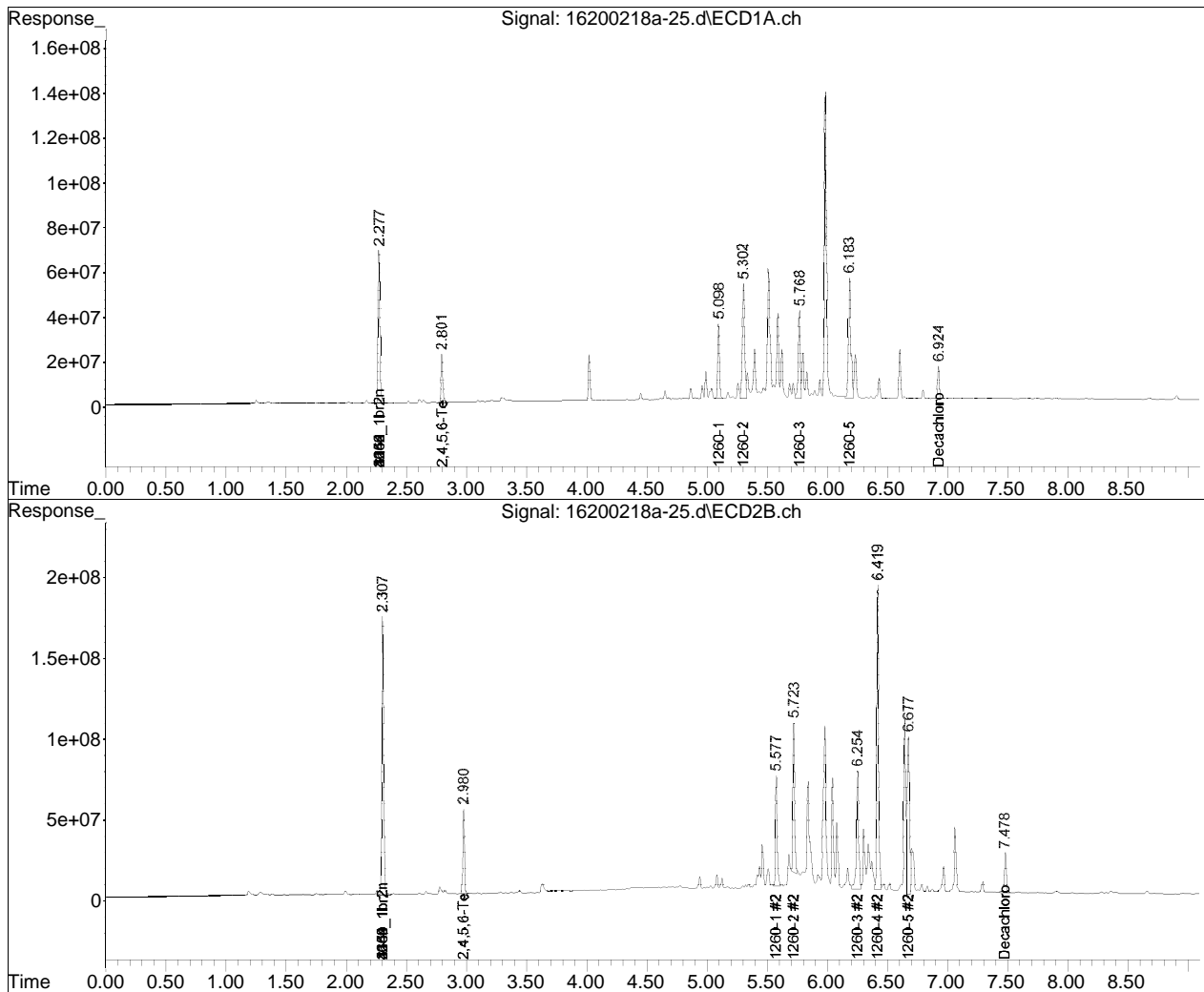
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-24.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 8:49 pm
Operator : pest16:cw
Sample : 12006705-06d,42e,5,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:29:38 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

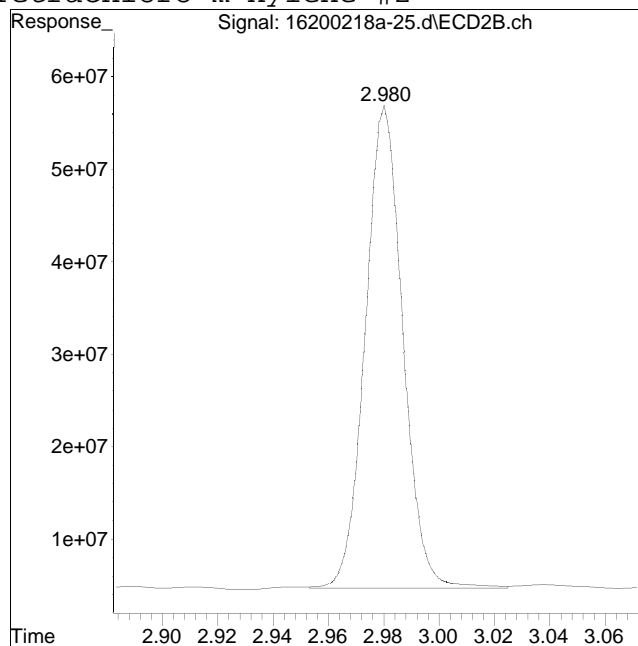
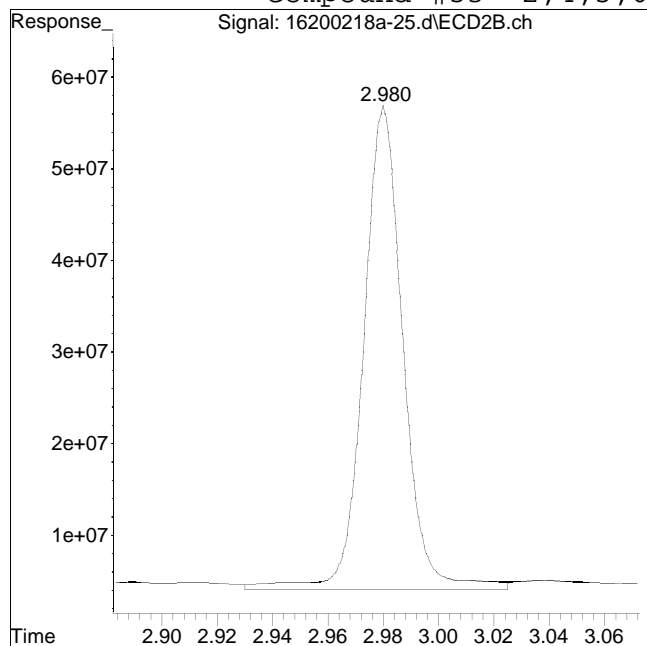


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-25.d
Date Inj'd : 2/18/2020 8:49 pm
Sample : 12006705-06d,42e,5,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:47 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 528269010

Manual Peak Response = 490720074 M4

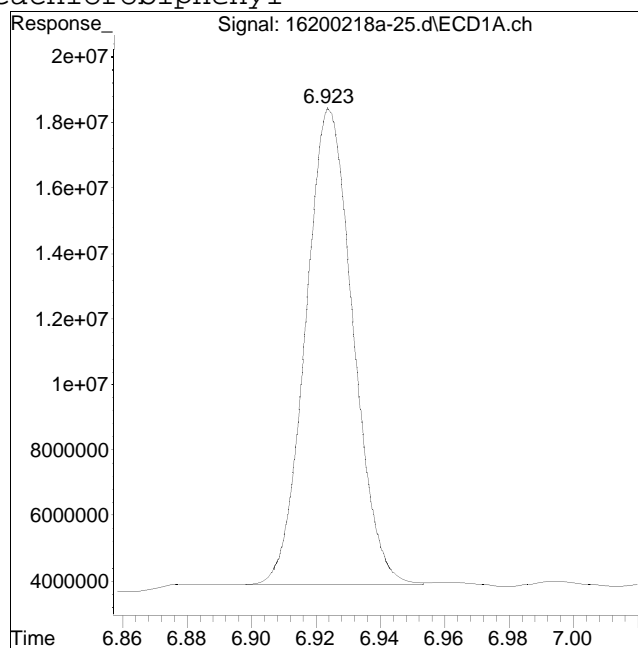
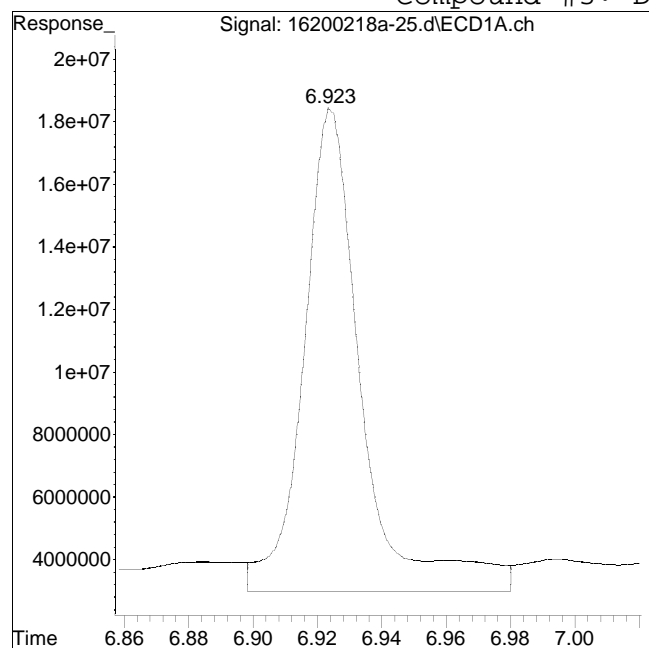
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-25.d
Date Inj'd : 2/18/2020 8:49 pm
Sample : 12006705-06d,42e,5,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:47 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 193486280

Manual Peak Response = 148845627 M4

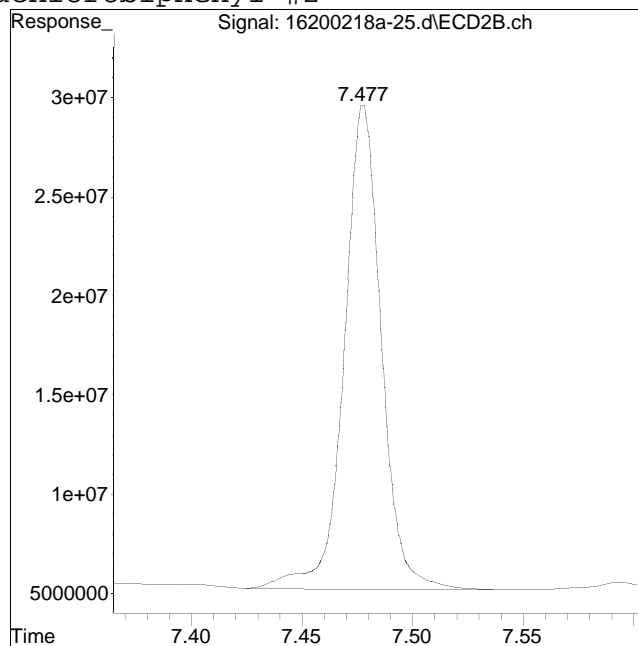
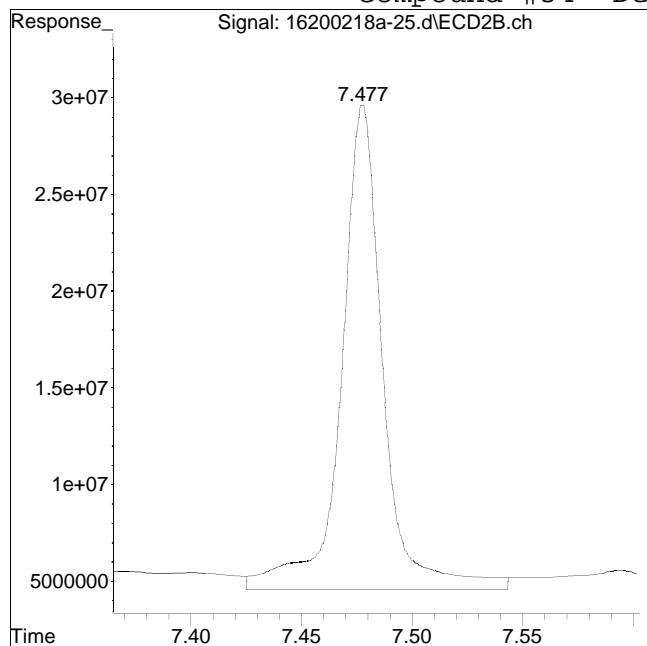
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-25.d
Date Inj'd : 2/18/2020 8:49 pm
Sample : 12006705-06d,42e,5,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:47 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 331877754

Manual Peak Response = 286094563 M4

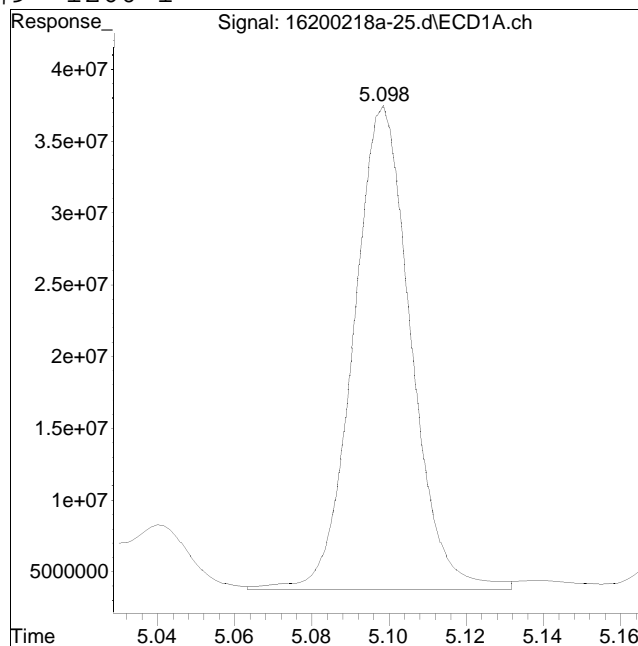
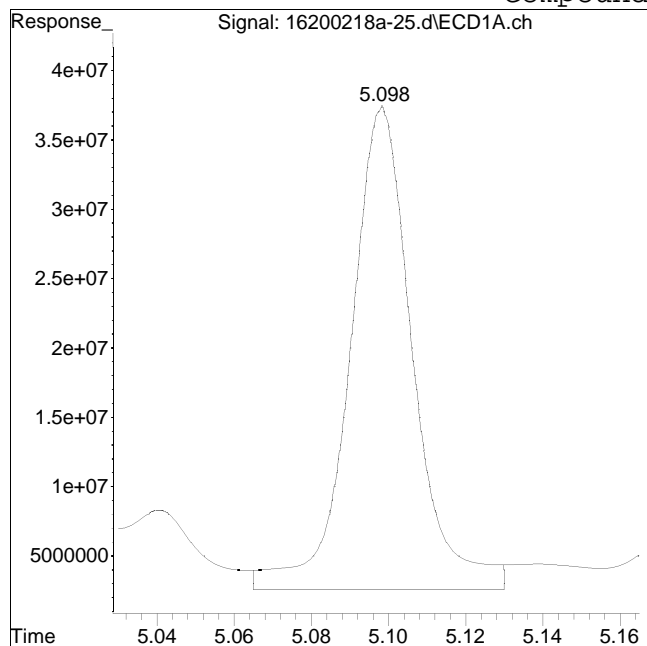
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-25.d
Date Inj'd : 2/18/2020 8:49 pm
Sample : 12006705-06d,42e,5,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:47 pm

Compound #9: 1260-1



Original Peak Response = 394172070

Manual Peak Response = 347627294 M4

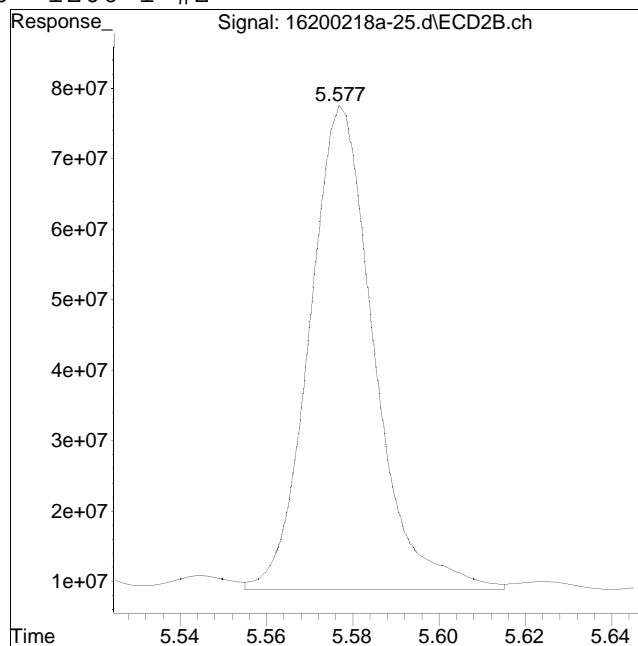
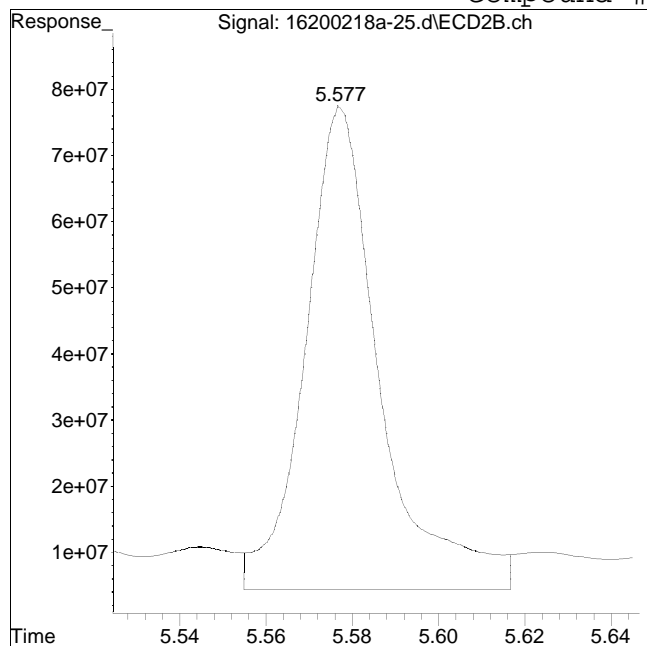
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-25.d
Date Inj'd : 2/18/2020 8:49 pm
Sample : 12006705-06d,42e,5,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:47 pm

Compound #60: 1260-1 #2



Original Peak Response = 877761593

Manual Peak Response = 714100032 M4

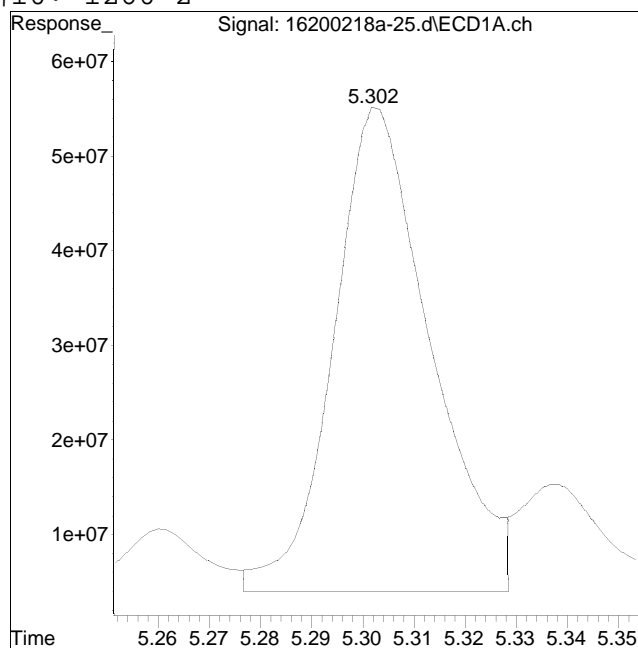
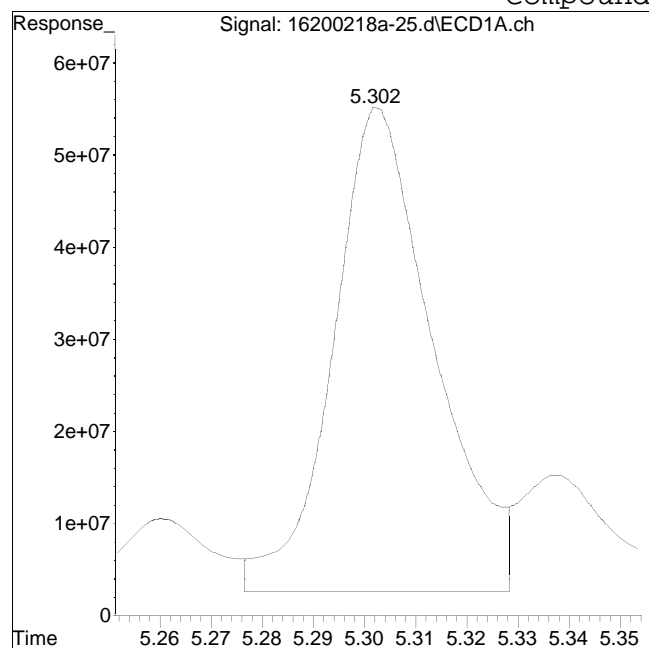
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-25.d
Date Inj'd : 2/18/2020 8:49 pm
Sample : 12006705-06d,42e,5,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:47 pm

Compound #10: 1260-2



Original Peak Response = 715335469

Manual Peak Response = 668568128 M4

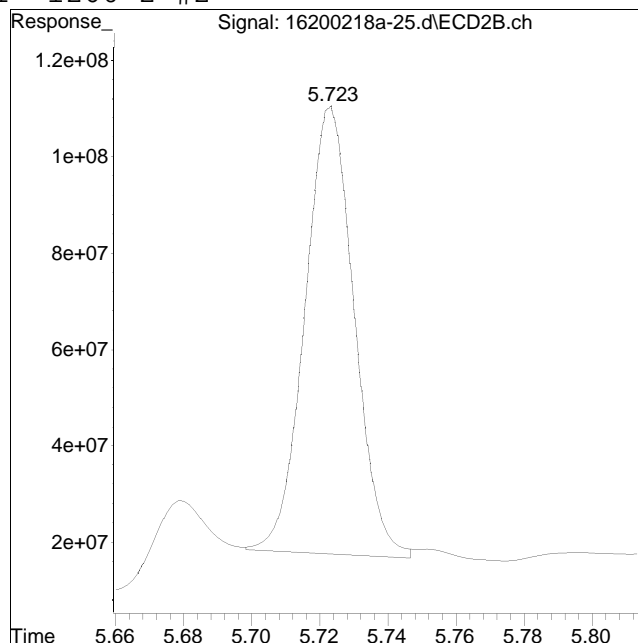
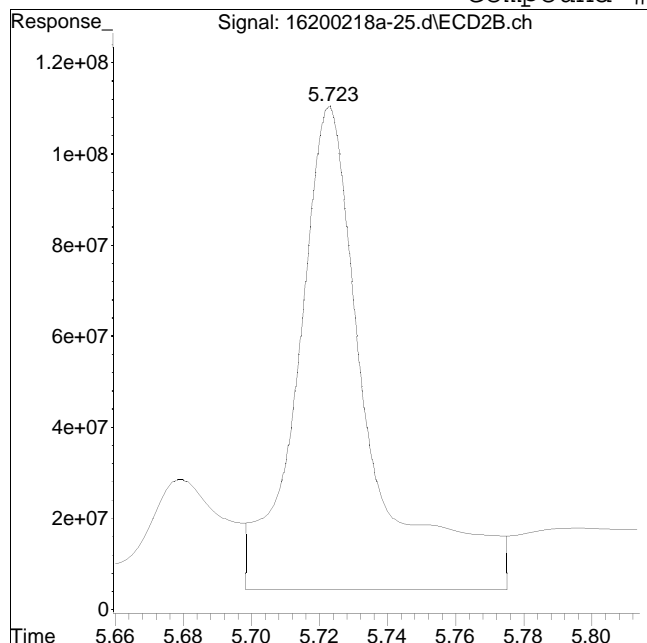
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-25.d
Date Inj'd : 2/18/2020 8:49 pm
Sample : 12006705-06d,42e,5,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:47 pm

Compound #61: 1260-2 #2



Original Peak Response = 1540715449

Manual Peak Response = 931582528 M4

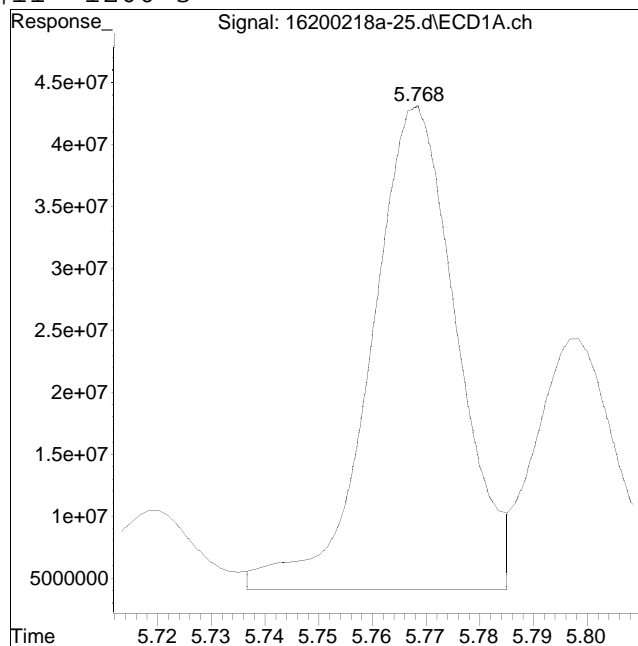
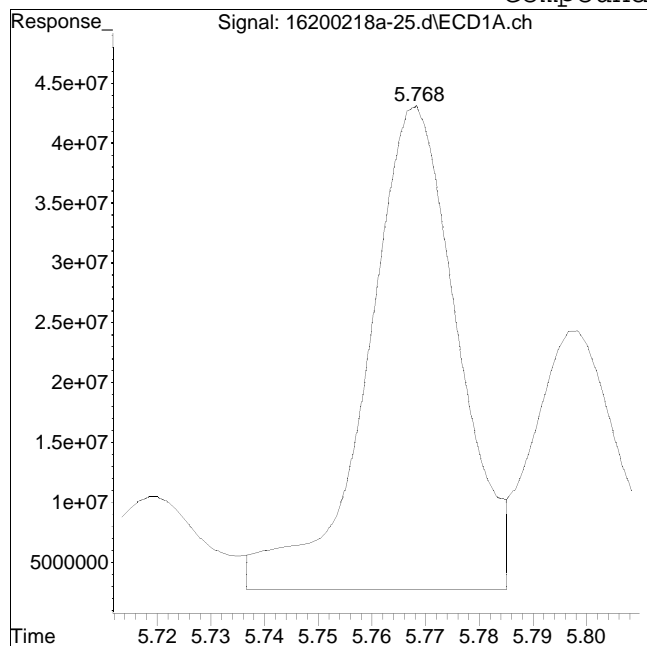
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-25.d
Date Inj'd : 2/18/2020 8:49 pm
Sample : 12006705-06d,42e,5,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:47 pm

Compound #11: 1260-3



Original Peak Response = 472733156

Manual Peak Response = 430152267 M4

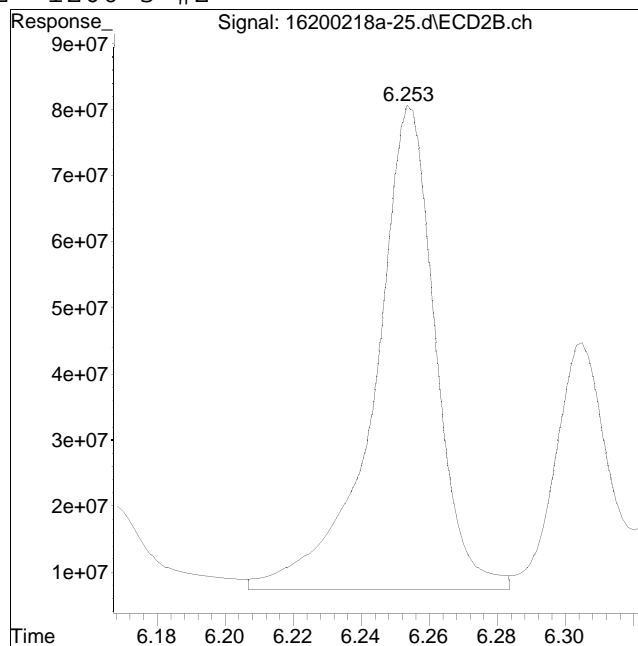
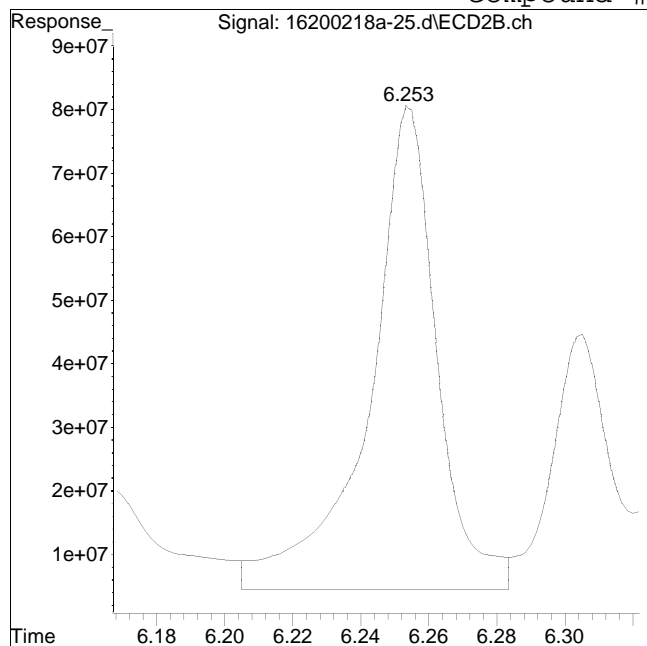
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-25.d
Date Inj'd : 2/18/2020 8:49 pm
Sample : 12006705-06d,42e,5,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:47 pm

Compound #62: 1260-3 #2



Original Peak Response = 1056142438

Manual Peak Response = 919747515 M4

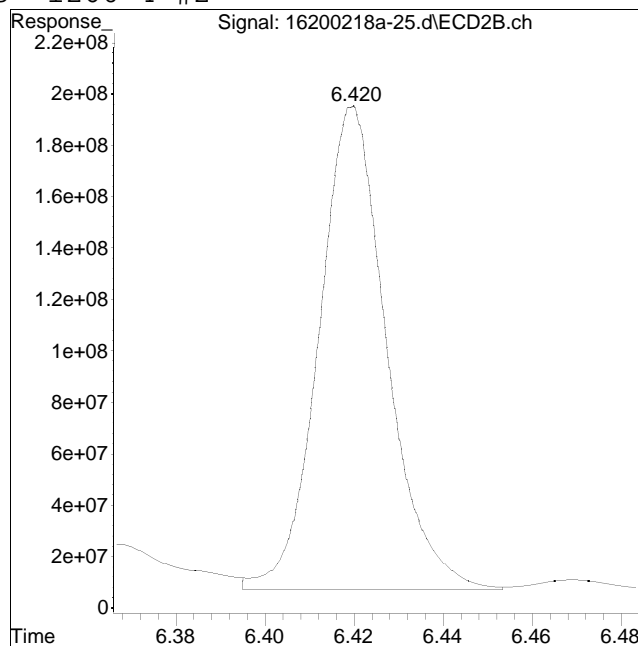
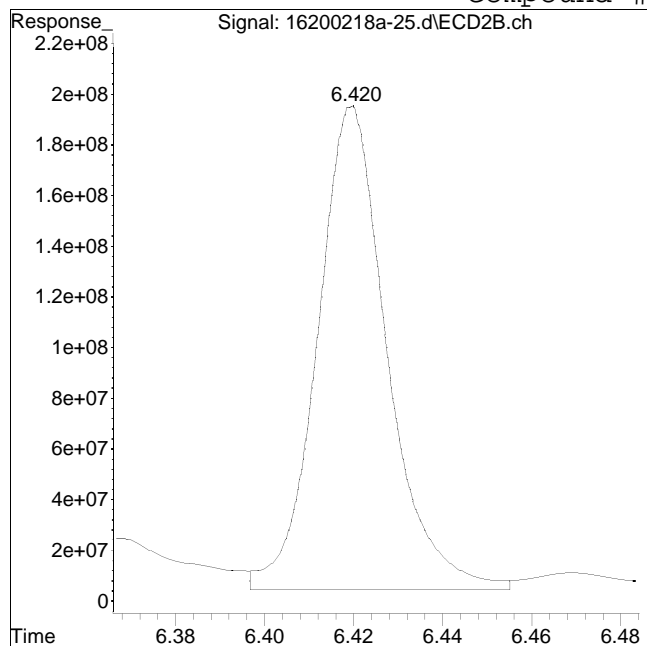
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-25.d
Date Inj'd : 2/18/2020 8:49 pm
Sample : 12006705-06d,42e,5,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:47 pm

Compound #63: 1260-4 #2



Original Peak Response = 2081146563

Manual Peak Response = 1989773692 M4

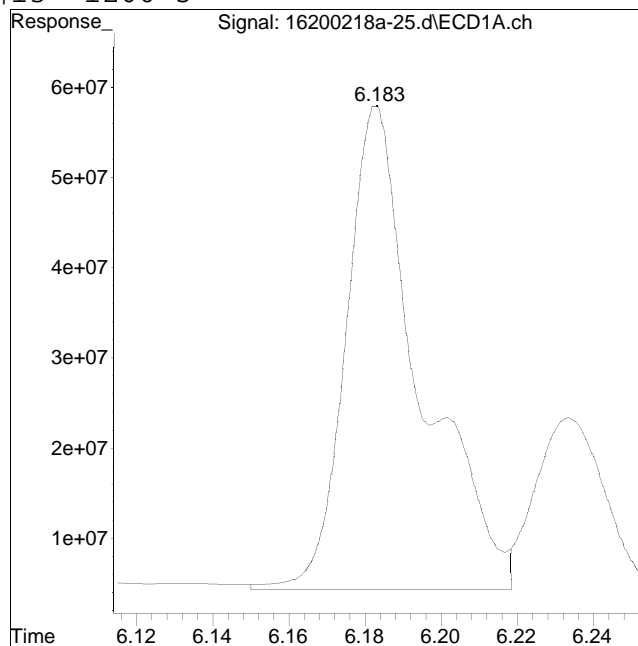
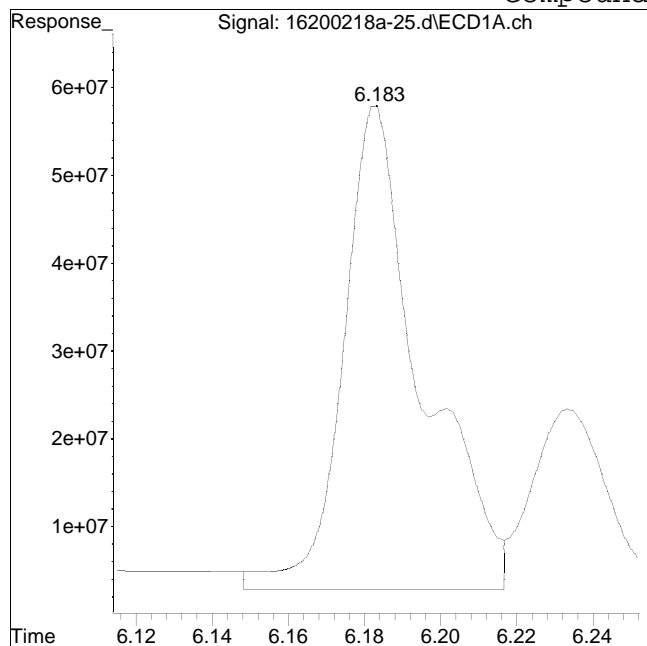
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-25.d
Date Inj'd : 2/18/2020 8:49 pm
Sample : 12006705-06d,42e,5,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:47 pm

Compound #13: 1260-5



Original Peak Response = 790999799

Manual Peak Response = 731362494 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-26.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:00 pm
 Operator : pest16:cw
 Sample : l2006705-05d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:33:30 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.258	2.292	720.2E6	1714.3E6	250.000	250.000
Standard Area 1 : #1 = 746602731					Recovery =	96.46%
Standard Area 1 : #2 = 1826171471					Recovery =	93.87%
14) i 2154_1br2nb	2.258	2.292	720.2E6	1714.3E6	250.000	250.000
23) i 4268_1br2nb	2.258	2.292	720.2E6	1714.3E6	250.000	250.000
34) i 1248_1br2nb	2.258	2.292	720.2E6	1714.3E6	250.000	250.000
40) i 3262_1br2nb	2.258	2.292	720.2E6	1714.3E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.065	5.553	487.9E6	1086.9E6	3024.599	3153.270
10) l2 1260-2	5.270	5.699	819.0E6	1341.7E6	3304.766	3341.333
11) l2 1260-3	5.736	6.229	437.4E6	952.8E6	2820.676	2976.962
12) l2 1260-4	5.951	6.393	1143.1E6	2019.0E6	3159.494M2	3024.931
13) l2 1260-5	6.152	6.647	772.2E6	1356.6E6	3258.855	3009.898
Sum 1260-1			3659.6E6	6757.0E6	15568.389	15506.393
Average 1260-1					3113.678	3101.279

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-26.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:00 pm
 Operator : pest16:cw
 Sample : l2006705-05d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:33:30 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-26.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:00 pm
 Operator : pest16:cw
 Sample : 12006705-05d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:33:30 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D.	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

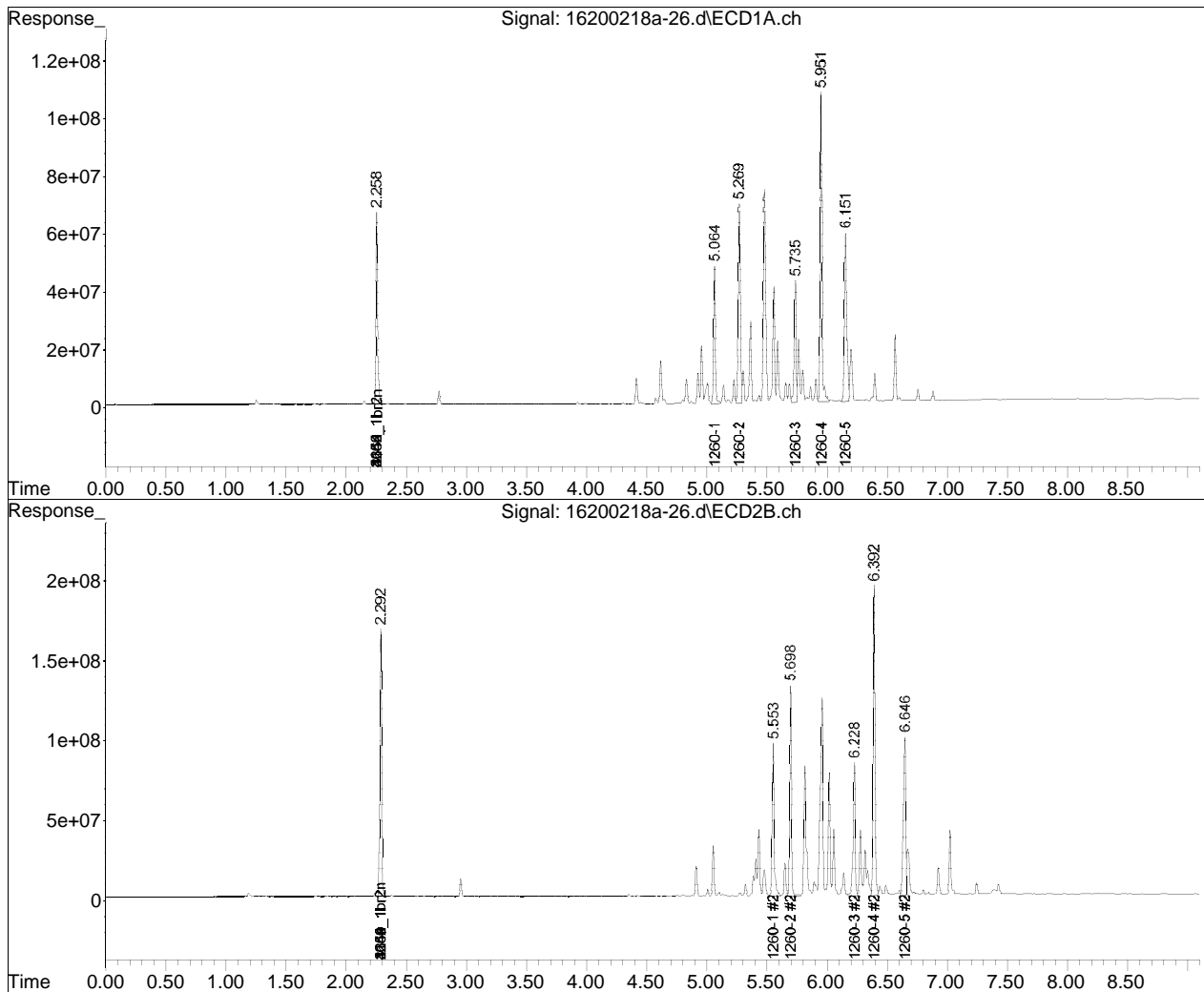
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-24.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-26.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 9:00 pm
Operator : pest16:cw
Sample : 12006705-05d,42e,20,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:33:30 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

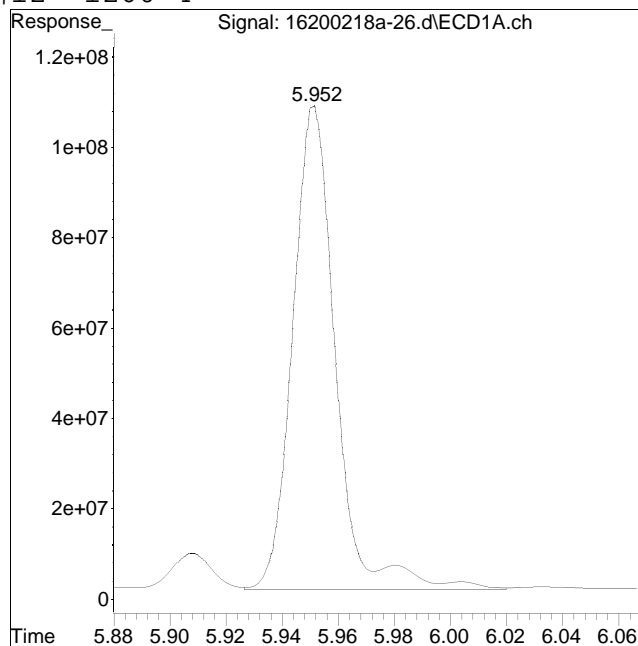
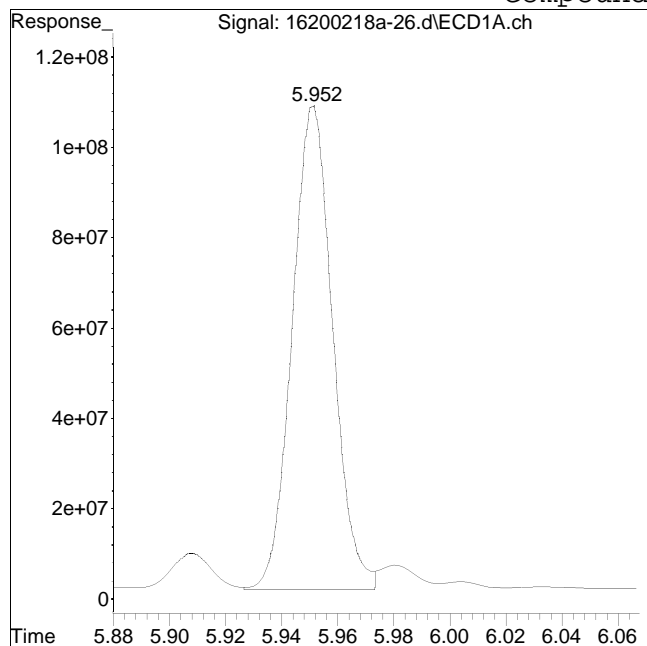


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-26.d
Date Inj'd : 2/18/2020 9:00 pm
Sample : 12006705-05d,42e,20,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:48 pm

Compound #12: 1260-4



Original Peak Response = 1075007400

Manual Peak Response = 1143130624 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-27.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:12 pm
 Operator : pest16:cw
 Sample : l2006705-07d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:34:21 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.254	2.289	774.7E6	1842.9E6	250.000	250.000
Standard Area 1 : #1 = 746602731					Recovery =	103.77%
Standard Area 1 : #2 = 1826171471					Recovery =	100.92%
14) i 2154_1br2nb	2.254	2.289	774.7E6	1842.9E6	250.000	250.000
23) i 4268_1br2nb	2.254	2.289	774.7E6	1842.9E6	250.000	250.000
34) i 1248_1br2nb	2.254	2.289	774.7E6	1842.9E6	250.000	250.000
40) i 3262_1br2nb	2.254	2.289	774.7E6	1842.9E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.059	5.549	226.3E6	522.7E6	1304.444	1410.580
10) l2 1260-2	5.264	5.694	439.0E6	715.4E6	1646.585	1657.270
11) l2 1260-3	5.729	6.224	258.5E6	549.6E6	1549.867	1597.204
12) l2 1260-4	5.944	6.388	737.4E6	1235.6E6	1894.592M2	1721.890
13) l2 1260-5	6.144	6.641	470.5E6	900.8E6	1845.695	1859.225
Sum 1260-1			2131.8E6	3924.1E6	8241.183	8246.169
Average 1260-1					1648.237	1649.234

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-27.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:12 pm
 Operator : pest16:cw
 Sample : 12006705-07d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:34:21 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-27.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:12 pm
 Operator : pest16:cw
 Sample : 12006705-07d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:34:21 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

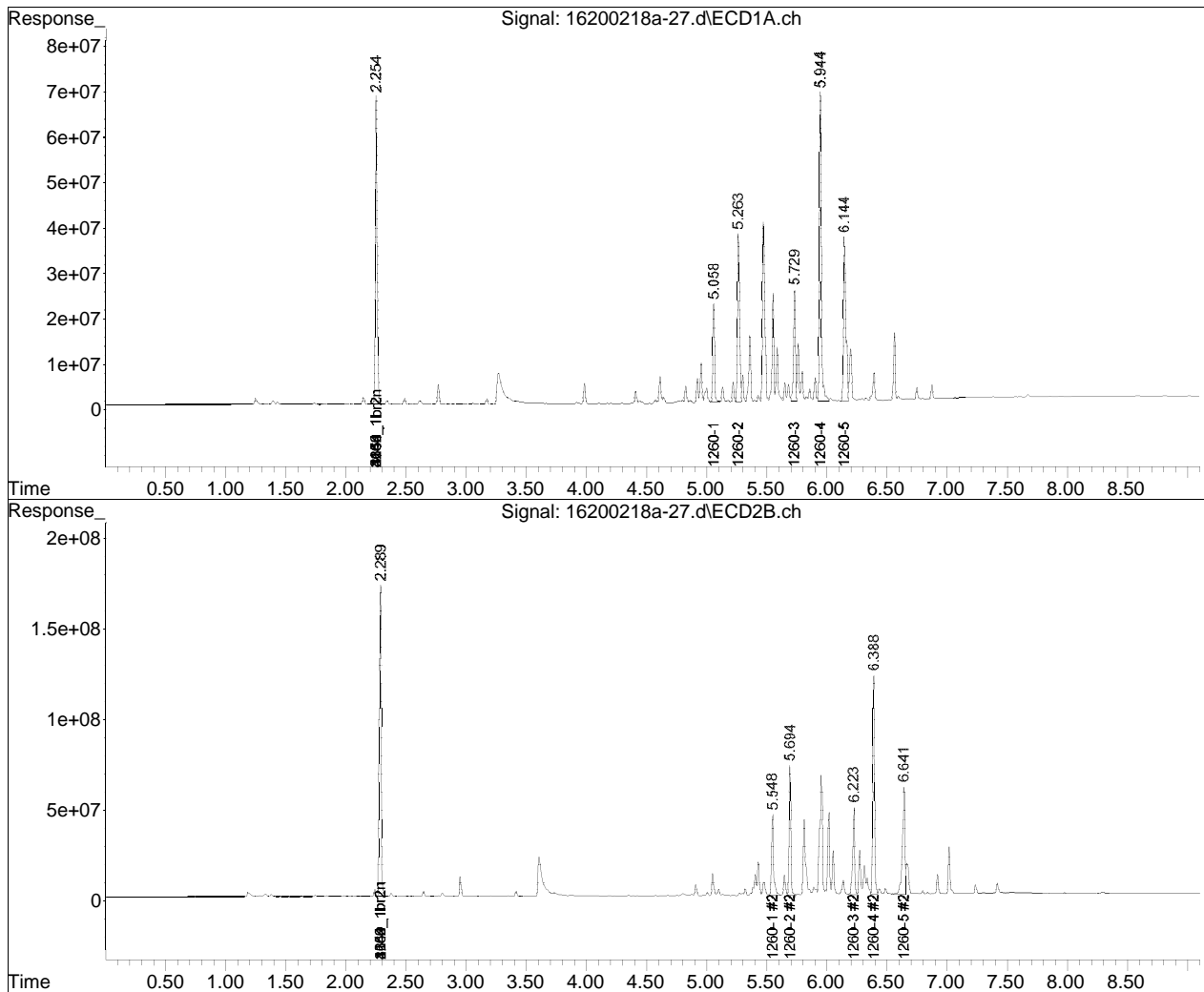
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-24.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-27.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 9:12 pm
Operator : pest16:cw
Sample : 12006705-07d,42e,20,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:34:21 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

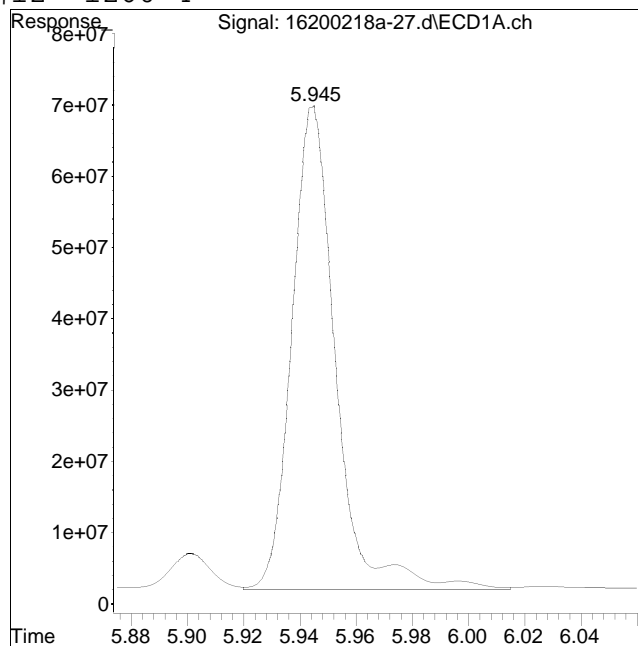
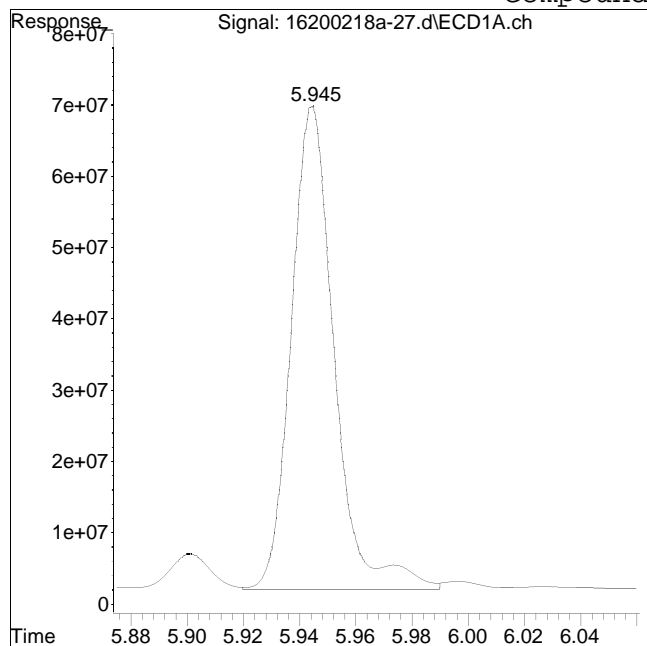


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-27.d
Date Inj'd : 2/18/2020 9:12 pm
Sample : 12006705-07d,42e,20,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:48 pm

Compound #12: 1260-4



Original Peak Response = 722764542

Manual Peak Response = 737412630 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-28.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:24 pm
 Operator : pest16:cw
 Sample : l2006705-12d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:35:21 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.254	2.289	738.4E6	1745.6E6	250.000	250.000
Standard Area 1 : #1 = 746602731					Recovery =	98.91%
Standard Area 1 : #2 = 1826171471					Recovery =	95.59%
14) i 2154_1br2nb	2.254	2.289	738.4E6	1745.6E6	250.000	250.000
23) i 4268_1br2nb	2.254	2.289	738.4E6	1745.6E6	250.000	250.000
34) i 1248_1br2nb	2.254	2.289	738.4E6	1745.6E6	250.000	250.000
40) i 3262_1br2nb	2.254	2.289	738.4E6	1745.6E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.056	5.547	606.2E6	1376.9E6	3665.603	3922.896
10) l2 1260-2	5.261	5.692	989.1E6	1731.0E6	3892.562	4233.337
11) l2 1260-3	5.727	6.222	612.1E6	1425.5E6	3850.195	4373.616
12) l2 1260-4	5.942	6.386	1806.9E6	3287.8E6	4870.574M2	4837.261
13) l2 1260-5	6.142	6.638	1212.1E6	2309.9E6	4988.927	5033.092
Sum 1260-1			5226.5E6	10131.1E6	21267.860	22400.202
Average 1260-1					4253.572	4480.040

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-28.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:24 pm
 Operator : pest16:cw
 Sample : l2006705-12d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:35:21 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-28.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:24 pm
 Operator : pest16:cw
 Sample : 12006705-12d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:35:21 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-28.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:24 pm
 Operator : pest16:cw
 Sample : l2006705-12d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:35:21 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

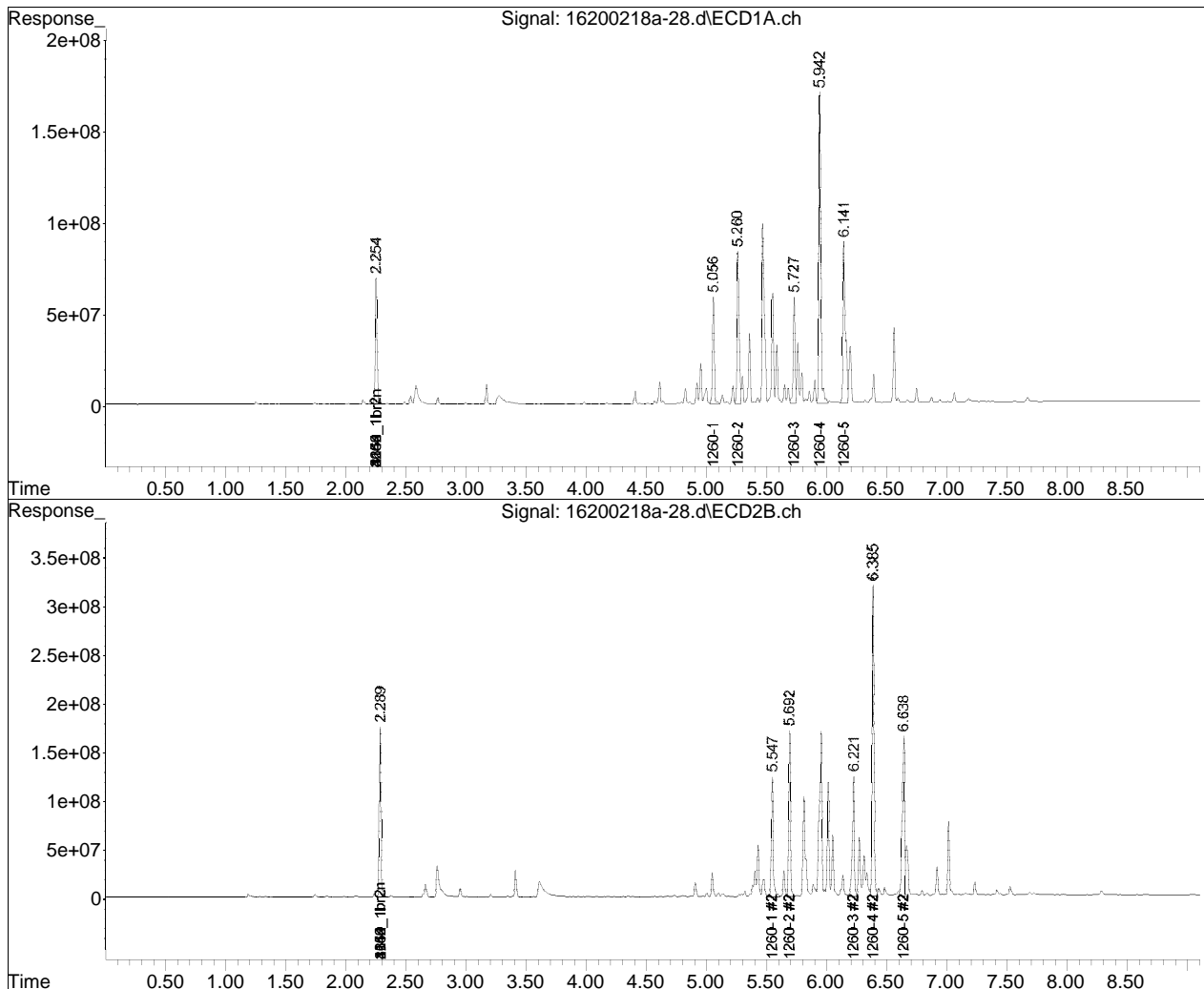
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-24.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-28.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 9:24 pm
Operator : pest16:cw
Sample : 12006705-12d,42e,20,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:35:21 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

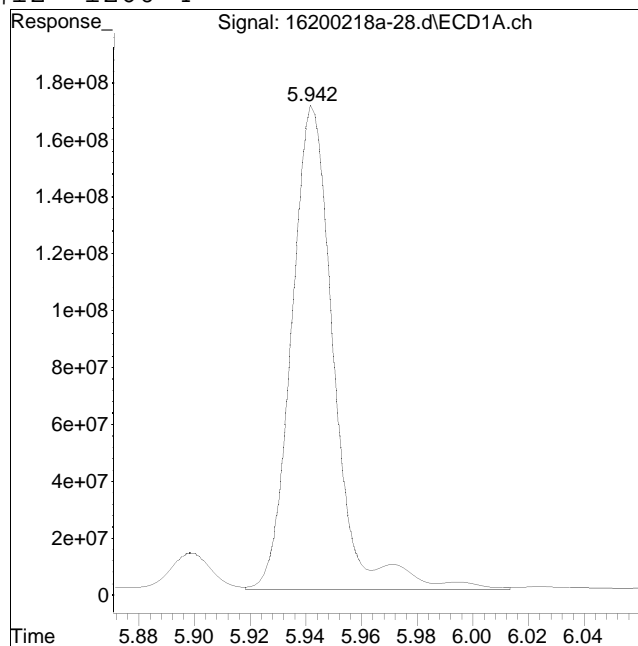
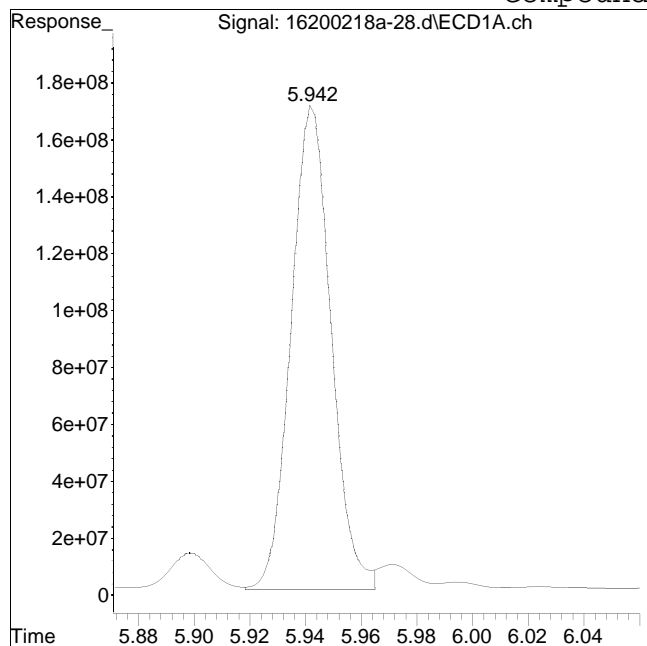


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-28.d
Date Inj'd : 2/18/2020 9:24 pm
Sample : 12006705-12d,42e,20,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:48 pm

Compound #12: 1260-4



Original Peak Response = 1695576596

Manual Peak Response = 1806876343 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-29.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:36 pm
 Operator : pest16:cw
 Sample : l2006705-17d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:36:42 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.251	2.286	717.9E6	1679.5E6	250.000	250.000
Standard Area 1 : #1 = 746602731					Recovery =	96.15%
Standard Area 1 : #2 = 1826171471					Recovery =	91.97%
14) i 2154_1br2nb	2.251	2.286	717.9E6	1679.5E6	250.000	250.000
23) i 4268_1br2nb	2.251	2.286	717.9E6	1679.5E6	250.000	250.000
34) i 1248_1br2nb	2.251	2.286	717.9E6	1679.5E6	250.000	250.000
40) i 3262_1br2nb	2.251	2.286	717.9E6	1679.5E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.054	5.545	564.4E6	1269.9E6	3510.632	3760.765
10) l2 1260-2	5.259	5.690	1045.7E6	1632.8E6	4232.880	4150.384
11) l2 1260-3	5.725	6.220	579.8E6	1207.0E6	3751.148	3849.157
12) l2 1260-4	5.939	6.383	1549.3E6	2728.6E6	4295.898M2	4172.696
13) l2 1260-5	6.139	6.637	1043.6E6	1822.5E6	4418.478	4127.526
Sum 1260-1			4782.8E6	8660.7E6	20209.036	20060.528
Average 1260-1					4041.807	4012.106

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-29.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:36 pm
 Operator : pest16:cw
 Sample : l2006705-17d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:36:42 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-29.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:36 pm
 Operator : pest16:cw
 Sample : 12006705-17d,42e,20,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:36:42 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

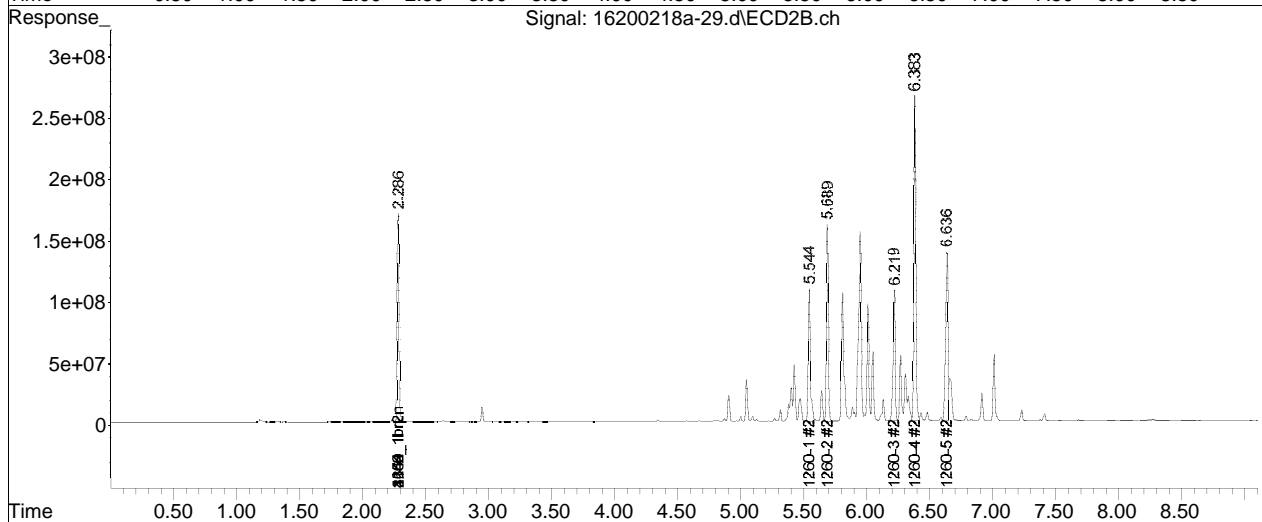
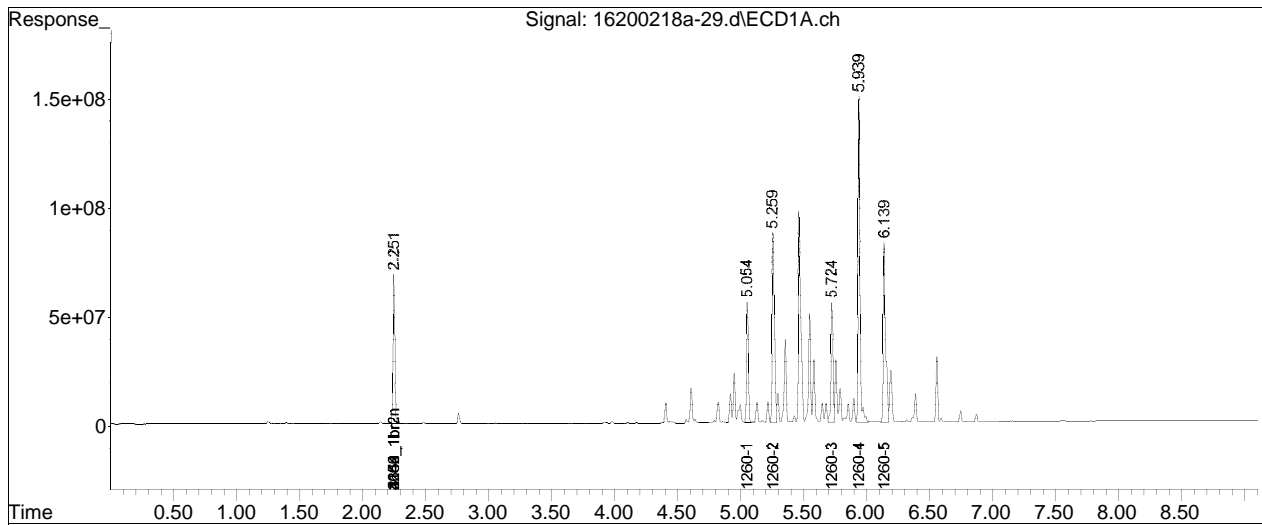
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-24.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 9:36 pm
Operator : pest16:cw
Sample : 12006705-17d,42e,20,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:36:42 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

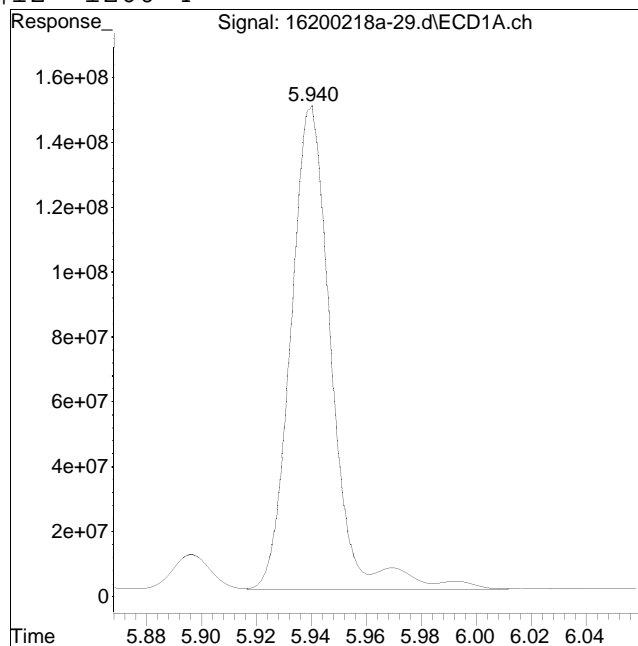
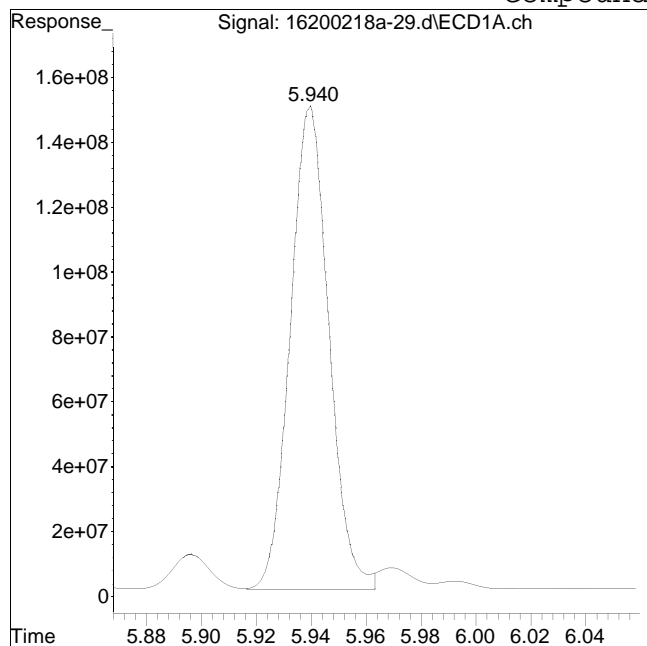


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-29.d
Date Inj'd : 2/18/2020 9:36 pm
Sample : 12006705-17d,42e,20,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:48 pm

Compound #12: 1260-4



Original Peak Response = 1455262627

Manual Peak Response = 1549315534 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-30.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:47 pm
 Operator : pest16:cw
 Sample : 12006705-16d,42e,100,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:37:39 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.251	2.286	653.8E6	1546.0E6	250.000	250.000
Standard Area 1 : #1 = 746602731					Recovery =	87.58%
Standard Area 1 : #2 = 1826171471					Recovery =	84.66%
14) i 2154_1br2nb	2.251	2.286	653.8E6	1546.0E6	250.000	250.000
23) i 4268_1br2nb	2.251	2.286	653.8E6	1546.0E6	250.000	250.000
34) i 1248_1br2nb	2.251	2.286	653.8E6	1546.0E6	250.000	250.000
40) i 3262_1br2nb	2.251	2.286	653.8E6	1546.0E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.054	5.545	291.2E6	695.8E6	1988.769	2238.377
10) l2 1260-2	5.259	5.690	531.2E6	856.4E6	2360.910	2364.940
11) l2 1260-3	5.725	6.219	304.0E6	638.0E6	2159.444	2210.364
12) l2 1260-4	5.939	6.383	776.0E6	1353.9E6	2362.277M2	2249.239
13) l2 1260-5	6.139	6.636	531.3E6	929.7E6	2469.813	2287.406
Sum 1260-1			2433.7E6	4473.9E6	11341.212	11350.326
Average 1260-1					2268.242	2270.065

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-30.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:47 pm
 Operator : pest16:cw
 Sample : l2006705-16d,42e,100,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:37:39 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-30.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:47 pm
 Operator : pest16:cw
 Sample : 12006705-16d,42e,100,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:37:39 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D.	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

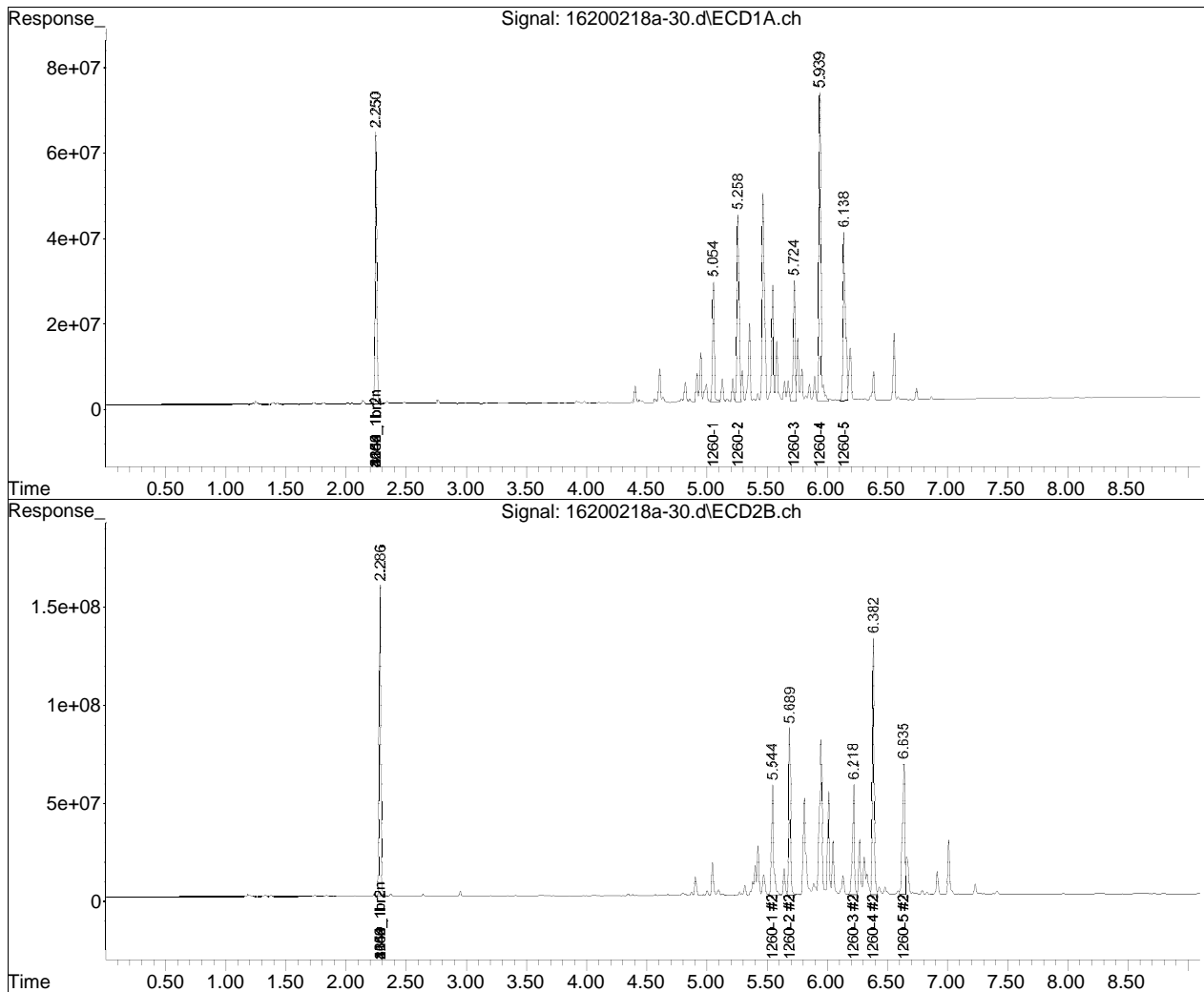
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-24.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-30.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 9:47 pm
Operator : pest16:cw
Sample : 12006705-16d,42e,100,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:37:39 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

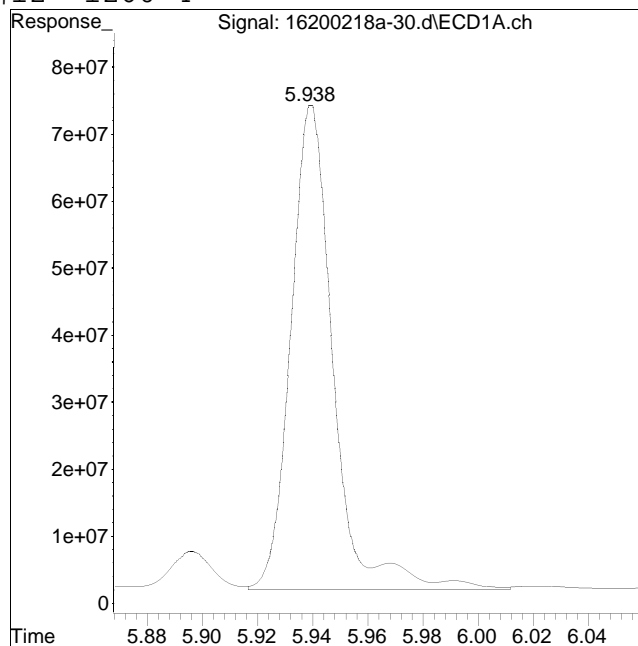
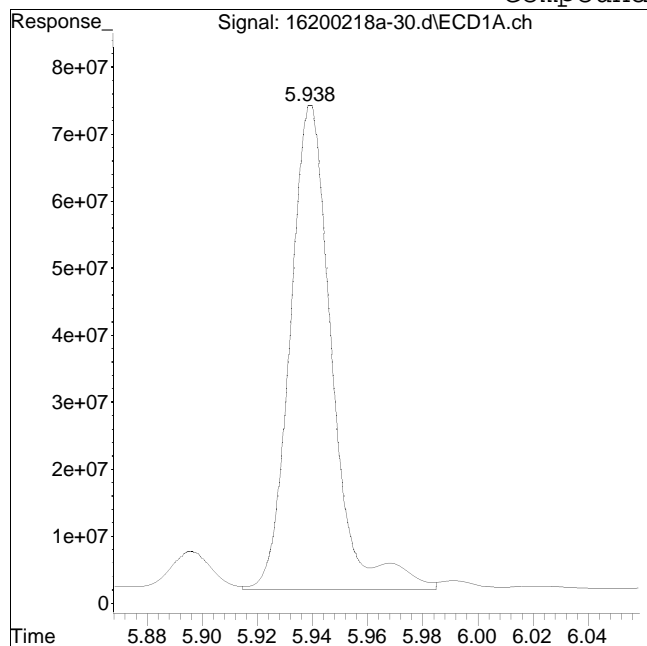


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-30.d
Date Inj'd : 2/18/2020 9:47 pm
Sample : 12006705-16d,42e,100,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:48 pm

Compound #12: 1260-4



Original Peak Response = 761493026

Manual Peak Response = 775955669 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-31.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:59 pm
 Operator : pest16:cw
 Sample : l2006705-23d,42e,100,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:38:49 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.252	2.287	766.9E6	1823.2E6	250.000	250.000
Standard Area 1 : #1 = 746602731					Recovery =	102.71%
Standard Area 1 : #2 = 1826171471					Recovery =	99.84%
14) i 2154_1br2nb	2.252	2.287	766.9E6	1823.2E6	250.000	250.000
23) i 4268_1br2nb	2.252	2.287	766.9E6	1823.2E6	250.000	250.000
34) i 1248_1br2nb	2.252	2.287	766.9E6	1823.2E6	250.000	250.000
40) i 3262_1br2nb	2.252	2.287	766.9E6	1823.2E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.055	5.545	309.0E6	744.7E6	1799.090	2031.371
10) l2 1260-2	5.258	5.690	559.8E6	913.3E6	2121.435M2	2138.505
11) l2 1260-3	5.725	6.220	321.2E6	682.9E6	1945.545M2	2006.255
12) l2 1260-4	5.940	6.384	825.5E6	1447.8E6	2142.763M2	2039.563
13) l2 1260-5	6.141	6.637	558.6E6	1027.2E6	2213.970	2143.022
Sum 1260-1			2574.2E6	4815.9E6	10222.802	10358.716
Average 1260-1					2044.560	2071.743

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-31.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:59 pm
 Operator : pest16:cw
 Sample : l2006705-23d,42e,100,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:38:49 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200218A\
 Data File : 16200218a-31.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Feb 2020 9:59 pm
 Operator : pest16:cw
 Sample : 12006705-23d,42e,100,
 Misc : wgl1341805,wgl1341196,ical16473
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 18:38:49 2020
 Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Mon Feb 10 23:18:15 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200218A\16200218a-24.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D.	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

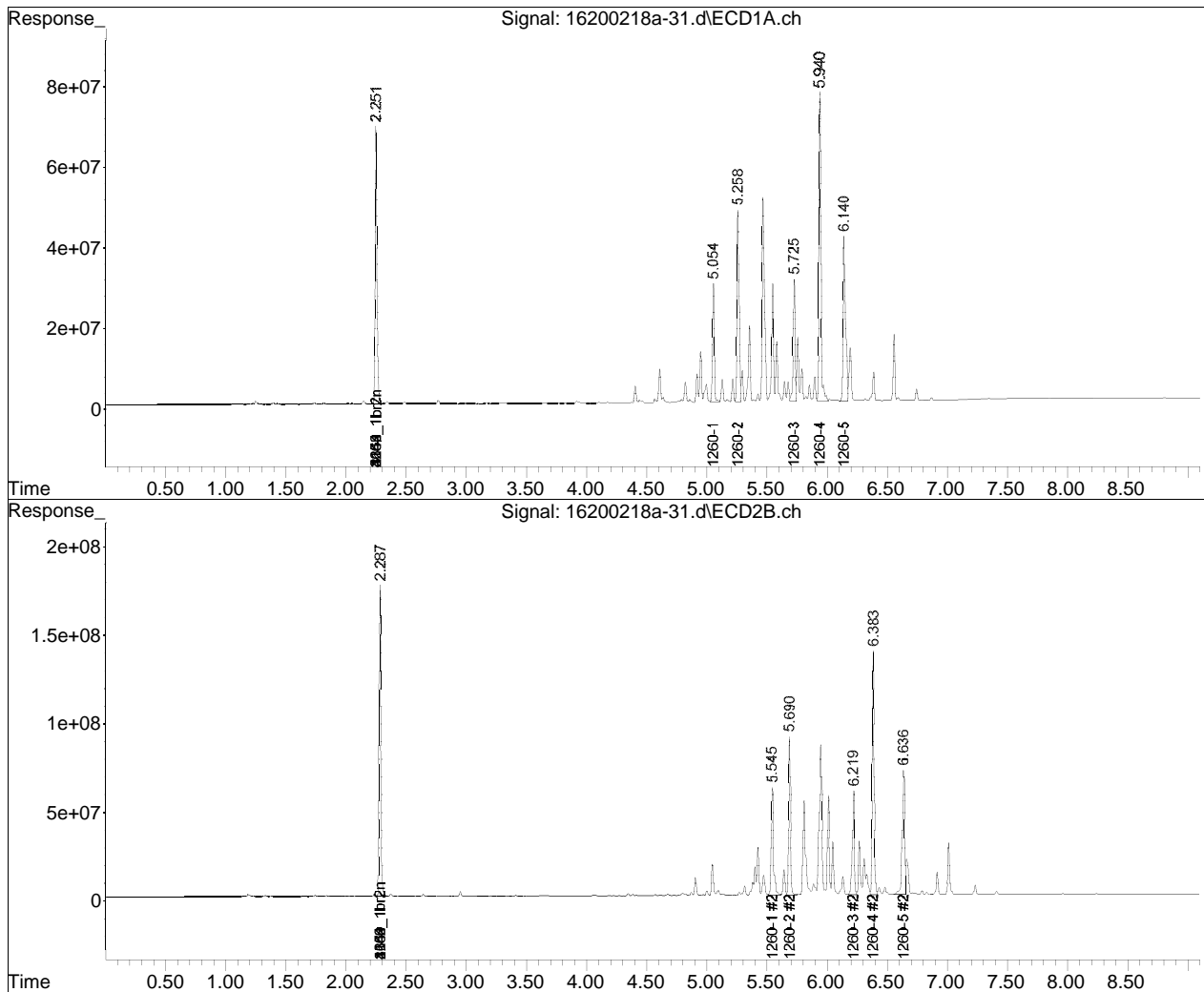
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-24.d••d)

Data Path : I:\Pest16\200218A\
Data File : 16200218a-31.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Feb 2020 9:59 pm
Operator : pest16:cw
Sample : 12006705-23d,42e,100,
Misc : wg1341805,wg1341196,ical16473
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 18:38:49 2020
Quant Method : I:\Pest16\200218A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Mon Feb 10 23:18:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

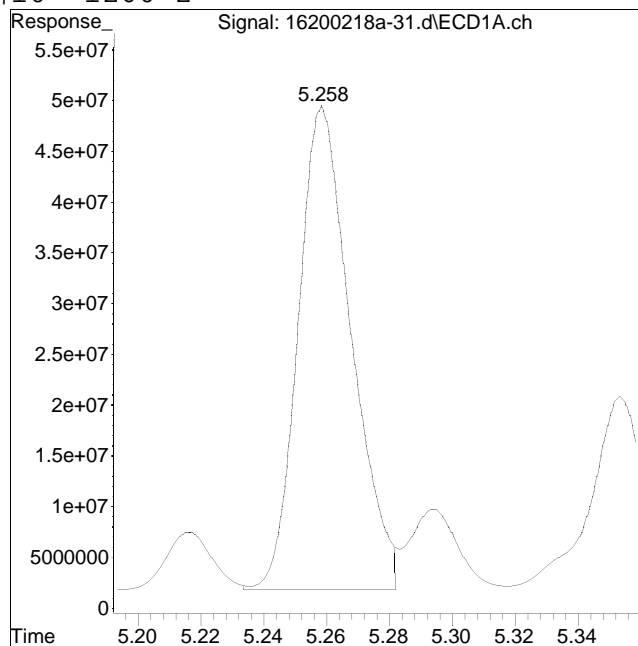
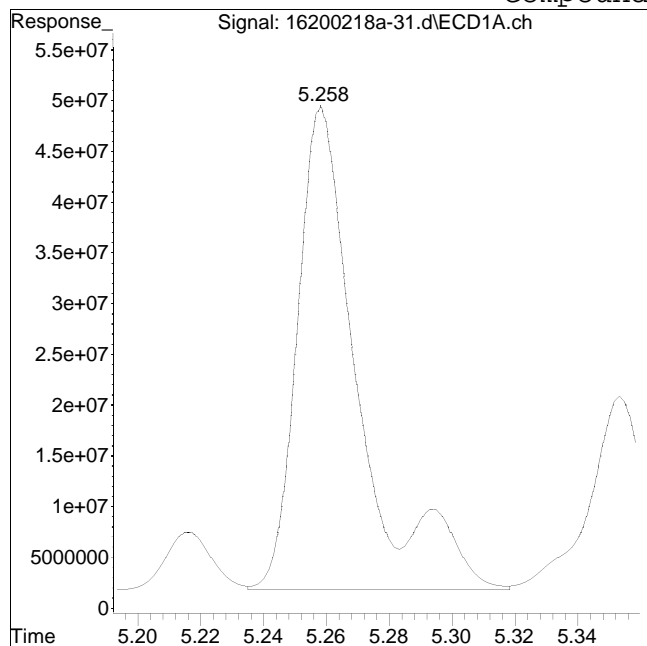


Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-31.d
Date Inj'd : 2/18/2020 9:59 pm
Sample : 12006705-23d,42e,100,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:48 pm

Compound #10: 1260-2



Original Peak Response = 644086235

Manual Peak Response = 559839083 M2

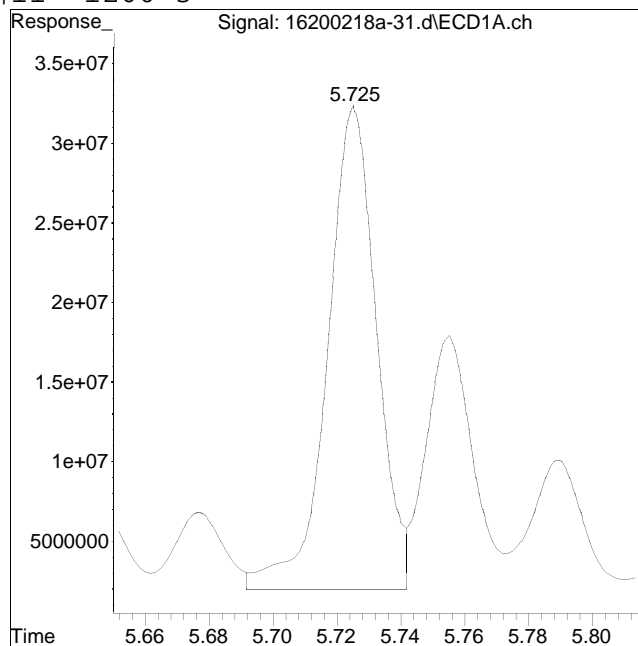
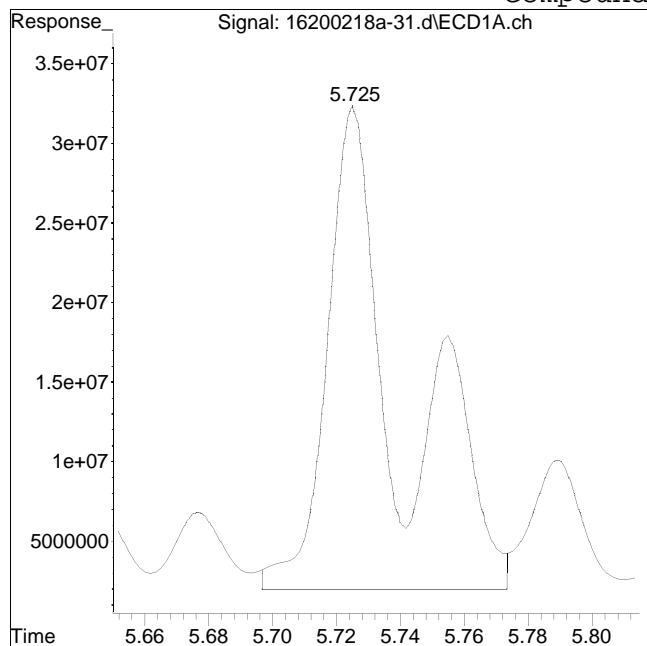
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-31.d
Date Inj'd : 2/18/2020 9:59 pm
Sample : 12006705-23d,42e,100,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:48 pm

Compound #11: 1260-3



Original Peak Response = 483982193

Manual Peak Response = 321217281 M2

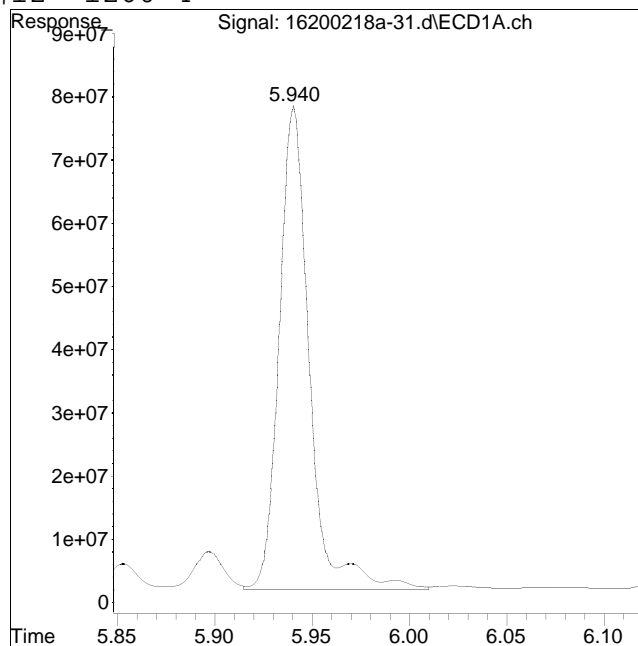
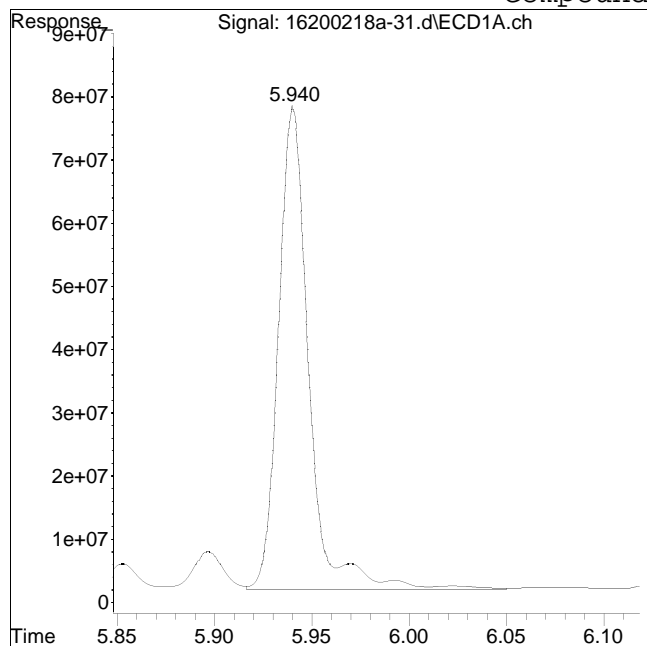
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest16\200218A\
Data File : 16200218a-31.d
Date Inj'd : 2/18/2020 9:59 pm
Sample : 12006705-23d,42e,100,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 2/19/2020 5:48 pm

Compound #12: 1260-4



Original Peak Response = 833464717

Manual Peak Response = 825525790 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 10:19 pm
 Operator : pest19:aws
 Sample : l2006705-18d,42e,20,re
 Misc : wgl1344121,wgl1343995,ical16321
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:23:04 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.992	1.033	31094297	46739101	250.000	250.000
Standard Area 1 : #1 = 29908086					Recovery =	103.97%
Standard Area 1 : #2 = 44679959					Recovery =	104.61%
14) i 2154_1br2nb	0.992	1.033	31094297	46739101	250.000	250.000
23) i 4268_1br2nb	0.992	1.033	31094297	46739101	250.000	250.000
34) i 1248_1br2nb	0.992	1.033	31094297	46739101	250.000	250.000
40) i 3262_1br2nb	0.992	1.033	31094297	46739101	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.567	2.949	13054291	19226882	1592.945	1529.217
10) l2 1260-2	2.712	3.064	24266562	28112944	1969.359	1905.462
11) l2 1260-3	3.056	3.480	14136811	18717436	1763.011	1455.505
12) l2 1260-4	3.225	3.622	31634294	50060007	1876.205	1849.854
13) l2 1260-5	3.383	3.833	23822302	36990699	1955.312M1	1967.693
Sum 1260-1			106.9E6	153.1E6	9156.833	8707.731
Average 1260-1					1831.367	1741.546

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 10:19 pm
 Operator : pest19:aws
 Sample : l2006705-18d,42e,20,re
 Misc : wgl1344121,wgl1343995,ical16321
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:23:04 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D.	N.D.
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D.
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 10:19 pm
 Operator : pest19:aws
 Sample : l2006705-18d,42e,20,re
 Misc : wgl1344121,wgl1343995,ical16321
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:23:04 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D.	N.D.
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

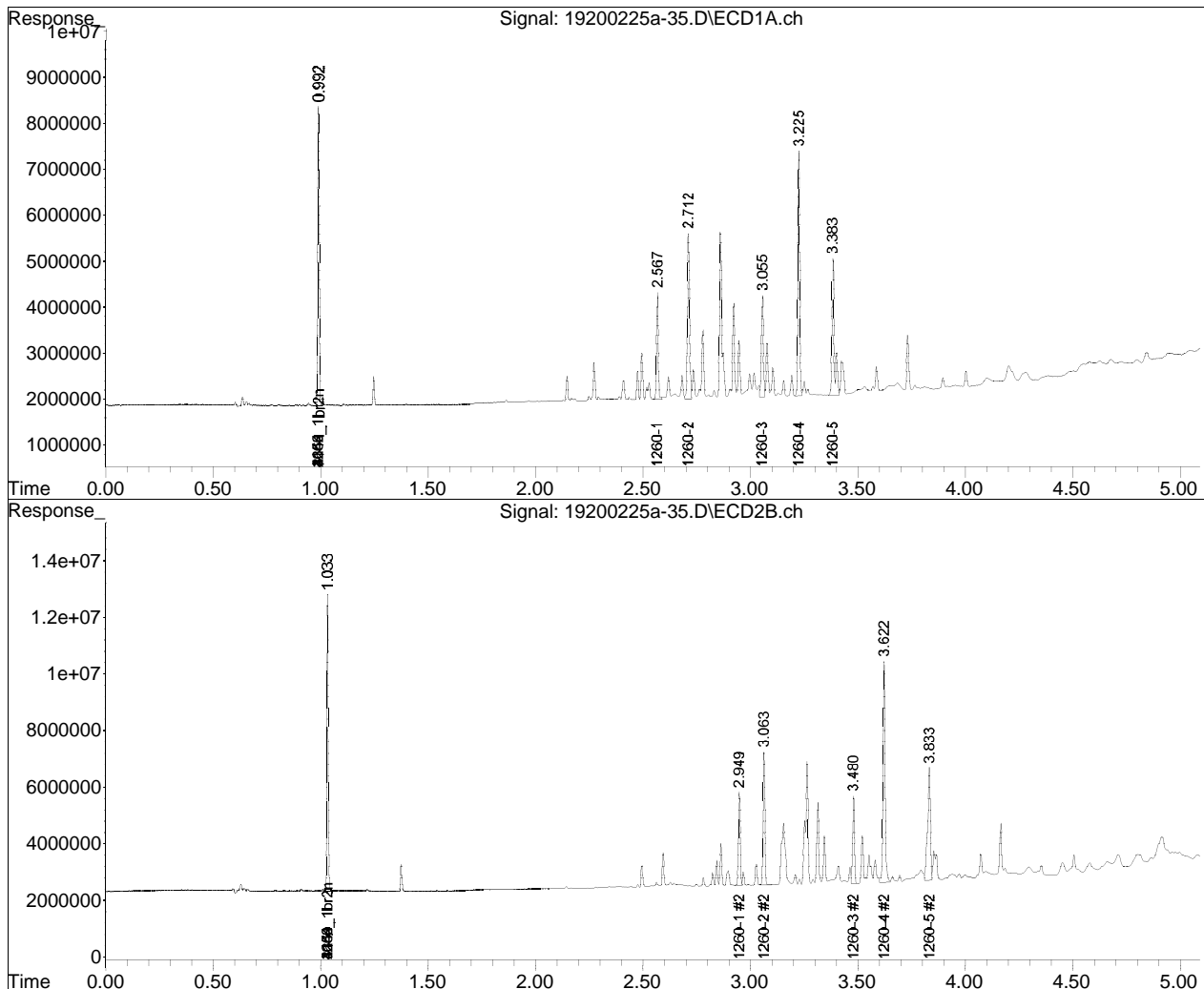
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200225a\
Data File : 19200225a-35.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2020 10:19 pm
Operator : pest19:aws
Sample : 12006705-18d,42e,20,re
Misc : wg1344121,wg1343995,ical16321
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:23:04 2020
Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

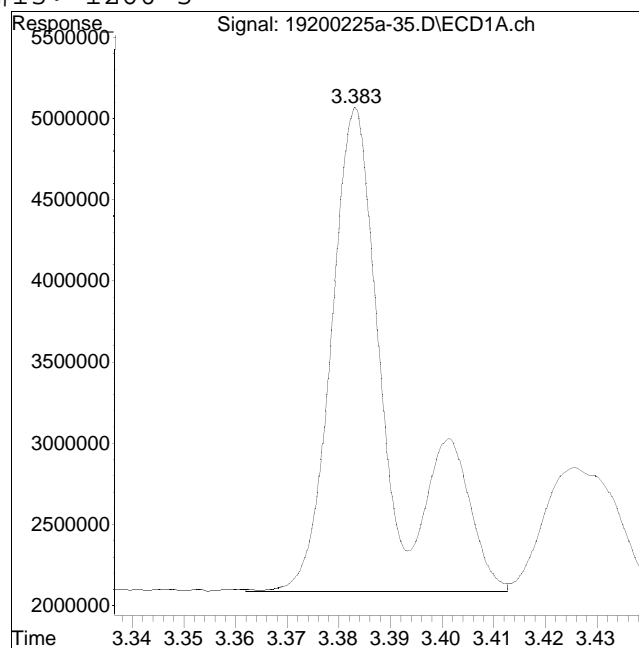
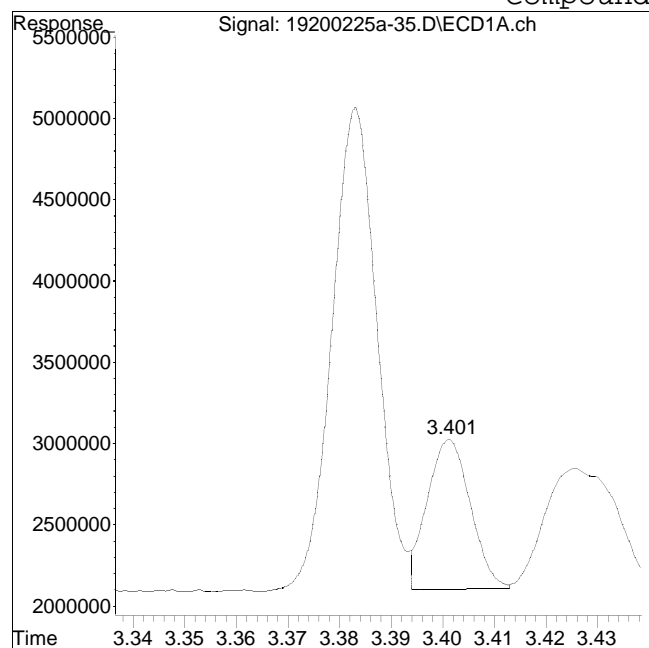
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest19\200225a\ QMethod : P19_pcb_11_20_19_ugL_ICA
Data File : 19200225a-35.D Operator : pest19:aws
Date Inj'd : 2/25/2020 10:19 pm Instrument : Pest 19
Sample : 12006705-18d,42e,20,re Quant Date : 2/26/2020 2:05 pm

Compound #13: 1260-5



Original Peak Response = 5417681

Manual Peak Response = 23822302 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200217A\
 Data File : P2200217a-39.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:40 am
 Operator : pest2:aws
 Sample : l2006705-24,42e,,
 Misc : wgl1341578,wgl1341251,ical16010
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 12:30:56 2020
 Quant Method : I:\Pest2\200217A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200217A\P2200217a-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.104	2.294	96253132	68650001	25.000	25.000
Standard Area 1 : #1 = 91651270					Recovery =	105.02%
Standard Area 1 : #2 = 64771808					Recovery =	105.99%
14) i 2154_1br2nb	2.104	2.294	96253132	68650001	25.000	25.000
23) i 4268_1br2nb	2.104	2.294	96253132	68650001	25.000	25.000
34) i 1248_1br2nb	2.104	2.294	96253132	68650001	25.000	25.000
40) i 3262_1br2nb	2.104	2.294	96253132	68650001	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.584	2.937	55252956	40707376	13.991	14.073
Spiked Amount 20.000	Range 30 - 150				Recovery =	69.95% 70.36%
3) s Decachlorobi	6.578	7.273	42676253	30328683	11.257	13.413
Spiked Amount 20.000	Range 30 - 150				Recovery =	56.28% 67.06%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200217A\
 Data File : P2200217a-39.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:40 am
 Operator : pest2:aws
 Sample : l2006705-24,42e,,
 Misc : wgl1341578,wgl1341251,ical16010
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 12:30:56 2020
 Quant Method : I:\Pest2\200217A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200217A\P2200217a-26.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14	1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200217A\
 Data File : P2200217a-39.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:40 am
 Operator : pest2:aws
 Sample : l2006705-24,42e,,
 Misc : wgl1341578,wgl1341251,ical16010
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 12:30:56 2020
 Quant Method : I:\Pest2\200217A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200217A\P2200217a-26.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D.	N.D.
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

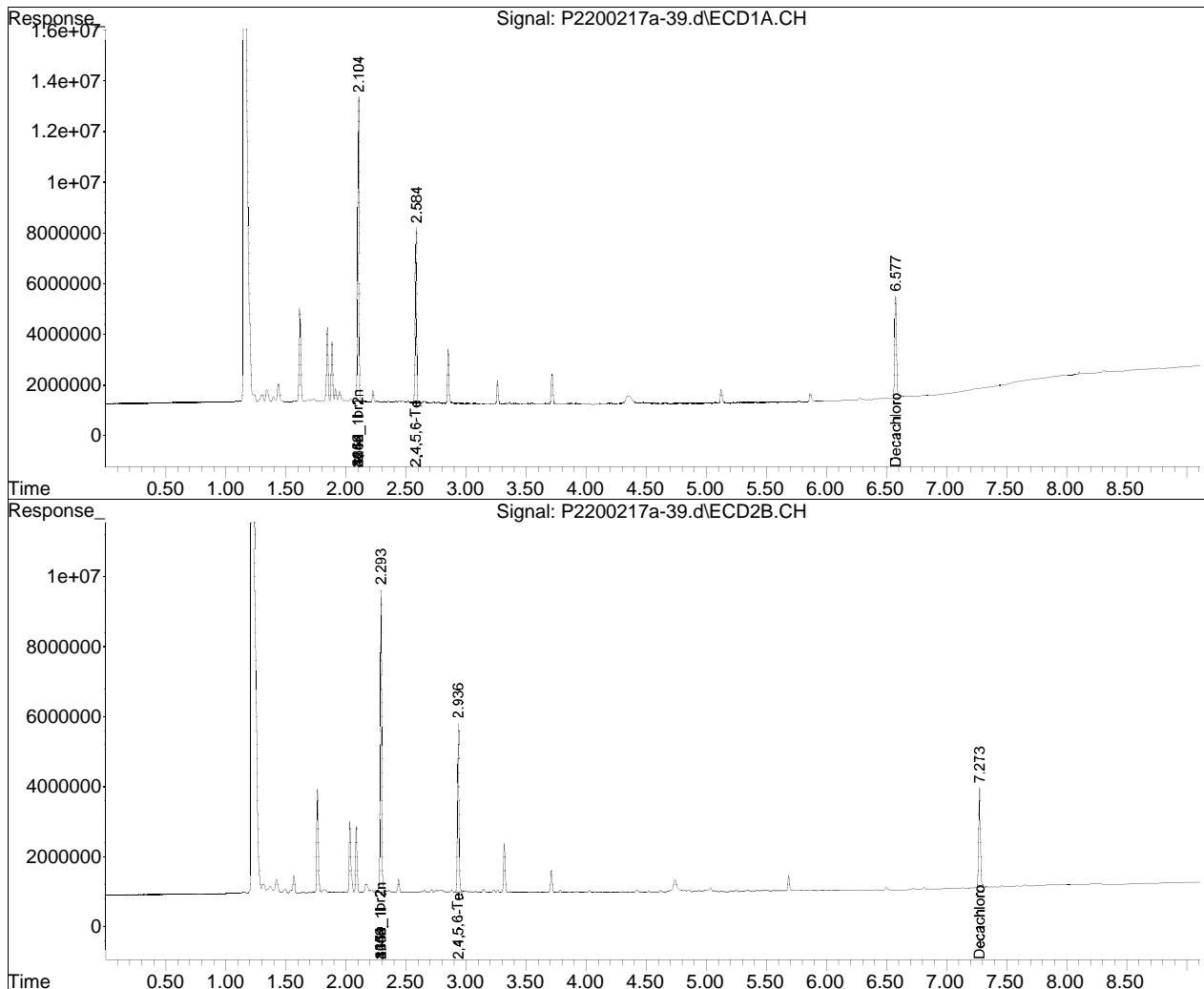
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-26.d••ed)

Data Path : I:\Pest2\200217A\
Data File : P2200217a-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2020 2:40 am
Operator : pest2:aws
Sample : l2006705-24,42e,,
Misc : wg1341578,wg1341251,ical16010
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 20 12:30:56 2020
Quant Method : I:\Pest2\200217A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 13 20:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest2\200217A\ Data File	: P200217a-39.d	QMethod	: P2_pcb_08_06_19_LVI_ugL_
Date Inj'd	: 2/18/2020 2:40 am		Operator	: pest2:aws
Sample	: 12006705-24,42e,,		Instrument	: PEST 2
			Quant Date	: 2/20/2020 12:25 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200225a\
 Data File : 23200225a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:09 pm
 Operator : pest23:aws
 Sample : l2006705-19,42e,,re
 Misc : wgl1344117,wgl1343995,ical16474
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:48:43 2020
 Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200225a\23200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.017	26939047	30711323	250.000	250.000
Standard Area 1 : #1 = 21265471					Recovery =	126.68%
Standard Area 1 : #2 = 24469510					Recovery =	125.51%
14) i 2154_1br2nb	0.923	1.017	26939047	30711323	250.000	250.000
23) i 4268_1br2nb	0.923	1.017	26939047	30711323	250.000	250.000
34) i 1248_1br2nb	0.923	1.017	26939047	30711323	250.000	250.000
40) i 3262_1br2nb	0.923	1.017	26939047	30711323	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.358	59177353	67021398	359.361	394.848
Spiked Amount 500.000	Range 30 - 150				Recovery =	71.87%
78.97%						
3) s Decachlorobi	3.525	4.152	51291977	55130102	460.025	359.884
Spiked Amount 500.000	Range 30 - 150				Recovery =	92.00%
71.98%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.270	2.715	5855452	6411639	718.383	680.513
10) l2 1260-2	2.386	2.815	11597597	10215764	931.948	918.661
11) l2 1260-3	2.679	3.190	6486686	8387009	841.730	887.227
12) l2 1260-4	2.823	3.318	16327262	18589331	990.508	955.837
13) l2 1260-5	2.962	3.515	9632423	13427177	1096.214M4	974.510
Sum 1260-1			49899421	57030919	4578.783	4416.748
Average 1260-1					915.757	883.350

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200225a\
 Data File : 23200225a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:09 pm
 Operator : pest23:aws
 Sample : l2006705-19,42e,,re
 Misc : wgl1344117,wgl1343995,ical16474
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:48:43 2020
 Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200225a\23200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200225a\
 Data File : 23200225a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:09 pm
 Operator : pest23:aws
 Sample : l2006705-19,42e,,re
 Misc : wgl1344117,wgl1343995,ical16474
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:48:43 2020
 Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200225a\23200225a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D.
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200225a\
 Data File : 23200225a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:09 pm
 Operator : pest23:aws
 Sample : l2006705-19,42e,,re
 Misc : wgl1344117,wgl1343995,ical16474
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:48:43 2020
 Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200225a\23200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

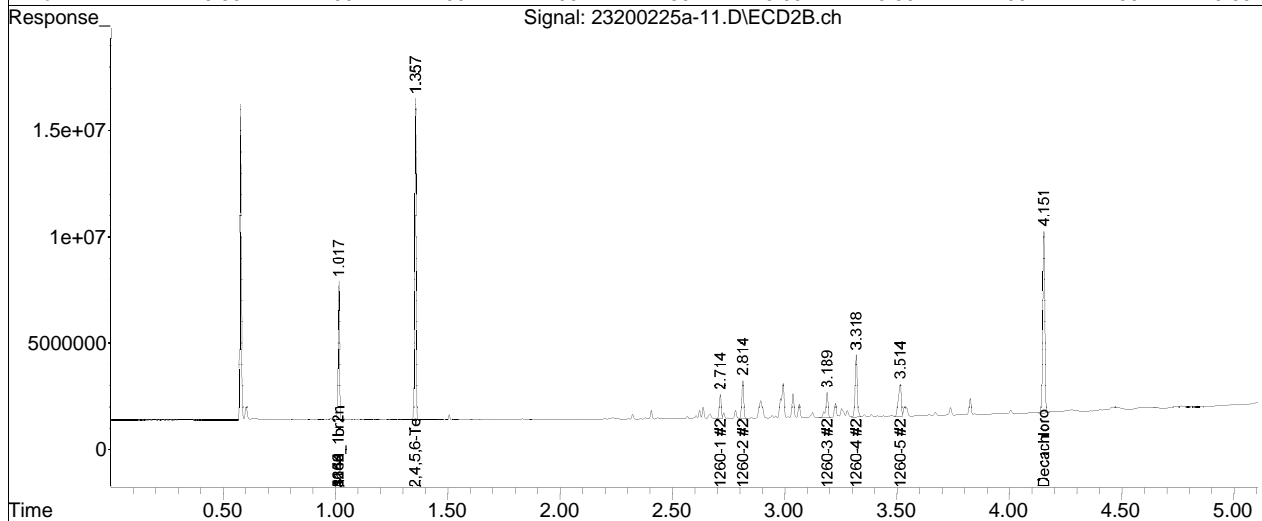
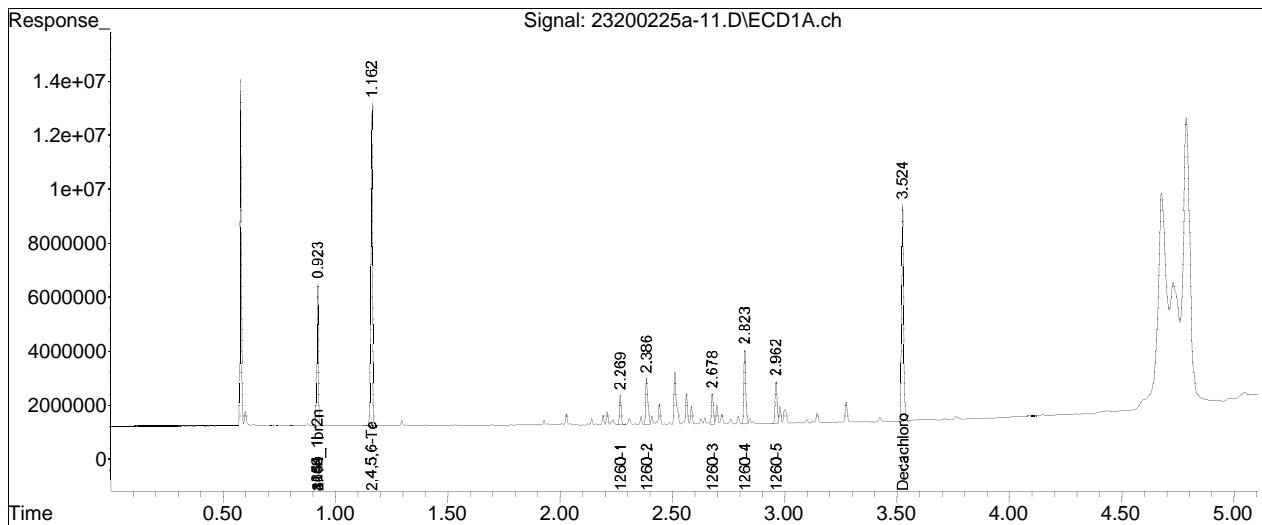
Sub List : Default - All compounds listed25a\23200225a-02.D••

Data Path : I:\Pest23\data\2020\23200225a\
Data File : 23200225a-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2020 01:09 pm
Operator : pest23:aws
Sample : l2006705-19,42e,,re
Misc : wg1344117,wg1343995,ical16474
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 13:48:43 2020
Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474
... .m

Quant Title : pcb
QLast Update : Tue Feb 25 10:16:09 2020
Response via : Initial Calibration
Integrator: ChemStation

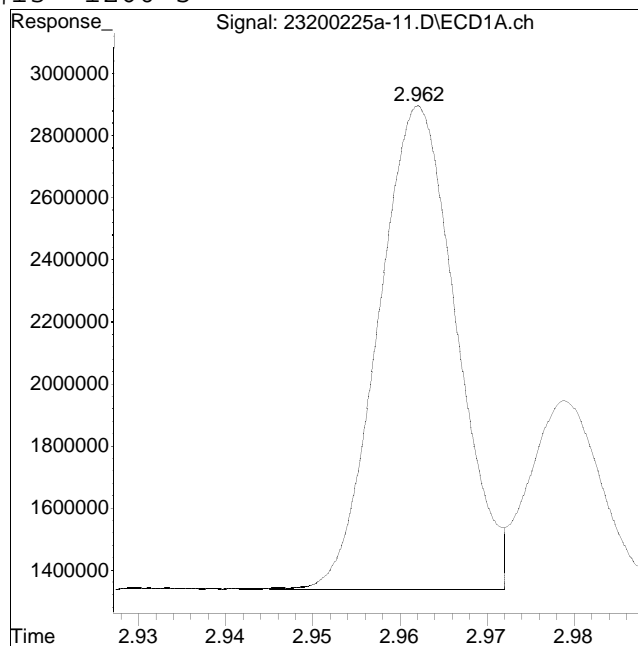
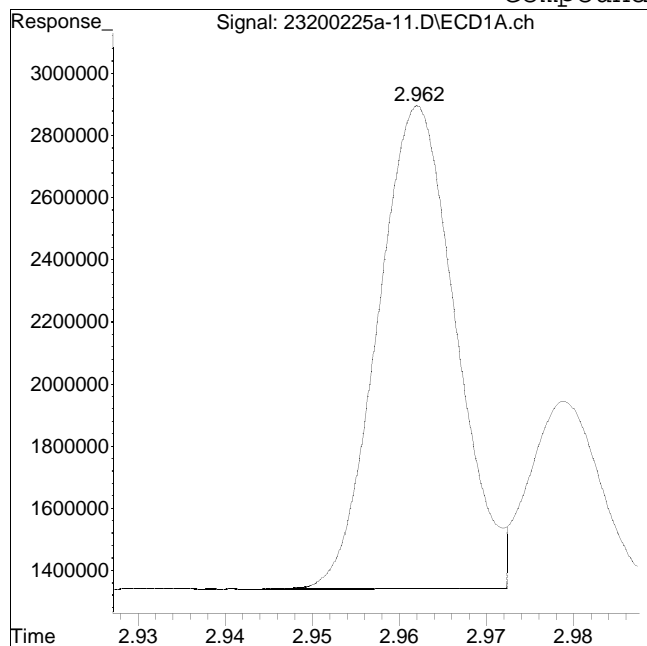
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200225a-11.D Operator : pest23:aws
Date Inj'd : 2/25/2020 1:09 pm Instrument : Pest 23
Sample : 12006705-19,42e,,re Quant Date : 2/26/2020 1:42 pm

Compound #13: 1260-5



Original Peak Response = 9596141

Manual Peak Response = 9632423 M4

M4 = Poor automated baseline construction.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200217A\
 Data File : P7200217a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 4:34 pm
 Operator : pest7:cw
 Sample : wgl341196-1,42e,,nyb
 Misc : wgl341557,wgl341196,ical15997
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 16:55:51 2020
 Quant Method : I:\Pest7\200217A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200217A\P7200217a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.908	1.951	497.5E6	382.0E6	250.000M4	250.000M4
Standard Area 1 : #1 = 465477409			Recovery = 106.89%			
Standard Area 1 : #2 = 361231292			Recovery = 105.75%			
14) i 2154_1br2nb	1.908	1.951	497.5E6	382.0E6	250.000M4	250.000M4
23) i 4268_1br2nb	1.908	1.951	497.5E6	382.0E6	250.000M4	250.000M4
34) i 1248_1br2nb	1.908	1.951	497.5E6	382.0E6	250.000M4	250.000M4
40) i 3262_1br2nb	1.908	1.951	497.5E6	382.0E6	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.341	2.475	550.0E6	425.5E6	224.700	230.256
Spiked Amount 500.000 Range 30 - 150			Recovery = 44.94% 46.05%			
3) s Decachlorobi	6.248	6.673	394.5E6	286.5E6	242.793M4	257.920
Spiked Amount 500.000 Range 30 - 150			Recovery = 48.56% 51.58%			
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200217A\
 Data File : P7200217a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 4:34 pm
 Operator : pest7:cw
 Sample : wg1341196-1,42e,,nyb
 Misc : wg1341557,wg1341196,ical15997
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 16:55:51 2020
 Quant Method : I:\Pest7\200217A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200217A\P7200217a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12) 12	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) 12	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200217A\
 Data File : P7200217a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 4:34 pm
 Operator : pest7:cw
 Sample : wg1341196-1,42e,,nyb
 Misc : wg1341557,wg1341196,ical15997
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 16:55:51 2020
 Quant Method : I:\Pest7\200217A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200217A\P7200217a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200217A\
 Data File : P7200217a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 4:34 pm
 Operator : pest7:cw
 Sample : wg1341196-1,42e,,nyb
 Misc : wg1341557,wg1341196,ical15997
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 16:55:51 2020
 Quant Method : I:\Pest7\200217A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200217A\P7200217a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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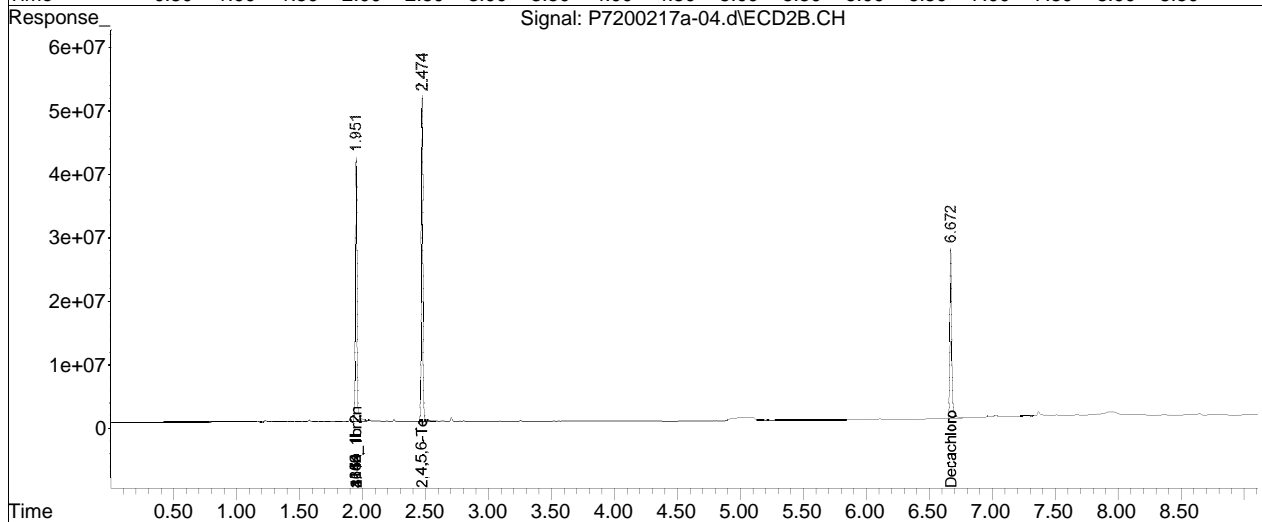
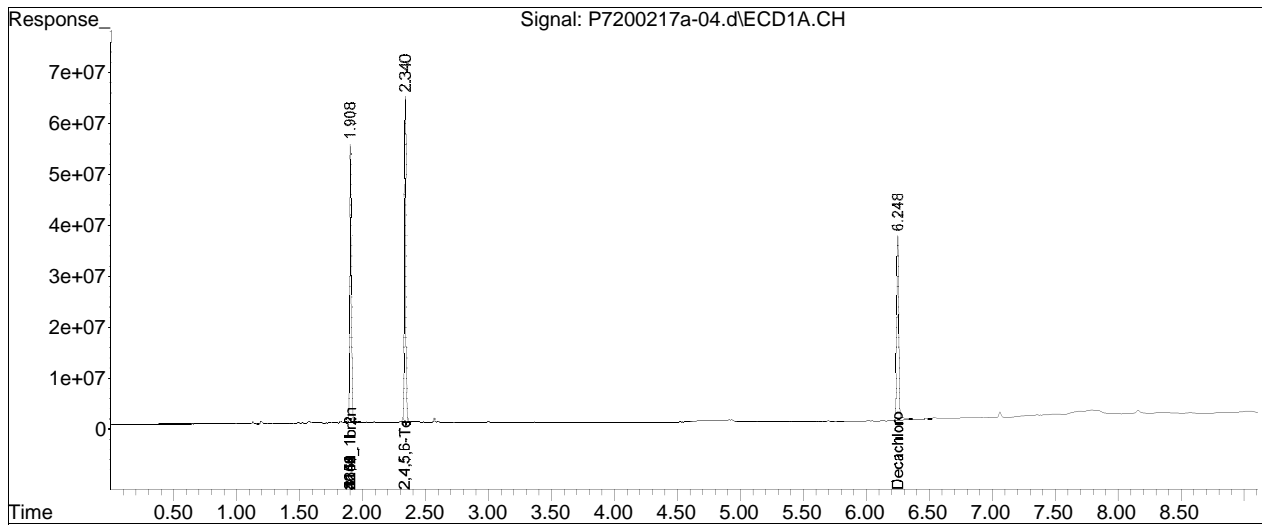
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest7\200217A\
 Data File : P7200217a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Feb 2020 4:34 pm
 Operator : pest7:cw
 Sample : wg1341196-1,42e,,nyb
 Misc : wg1341557,wg1341196,ical15997
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 16:55:51 2020
 Quant Method : I:\Pest7\200217A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

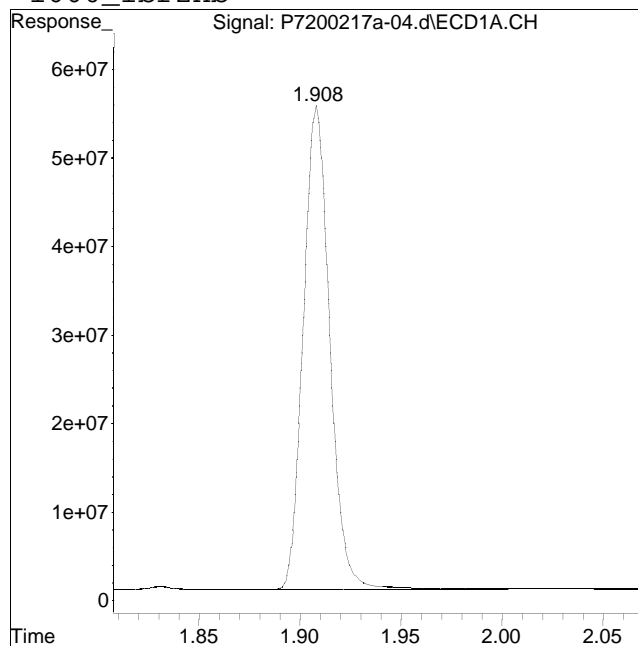
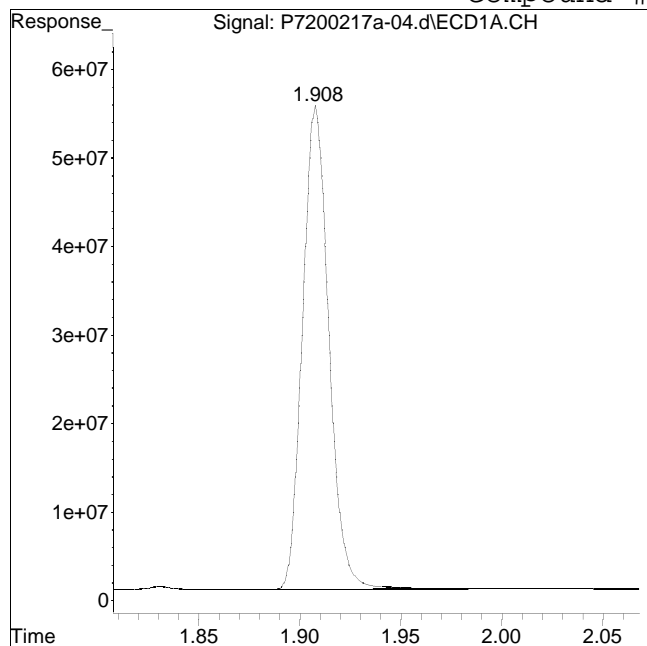


Manual Integration Report

Data Path : I:\Pest7\200217A\
Data File : P7200217a-04.d
Date Inj'd : 2/17/2020 4:34 pm
Sample : wg1341196-1,42e,,nyb

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 2/19/2020 4:54 pm

Compound #1: 1660_1br2nb



Original Peak Response = 495498003

Manual Peak Response = 497536276 M4

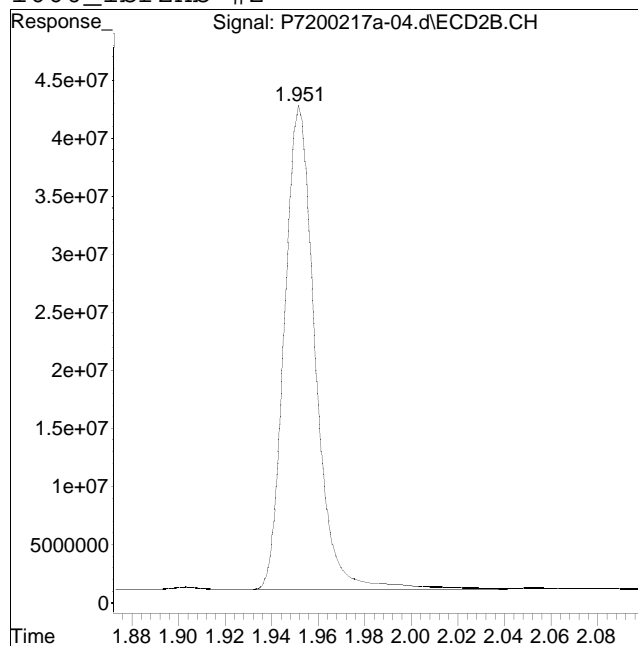
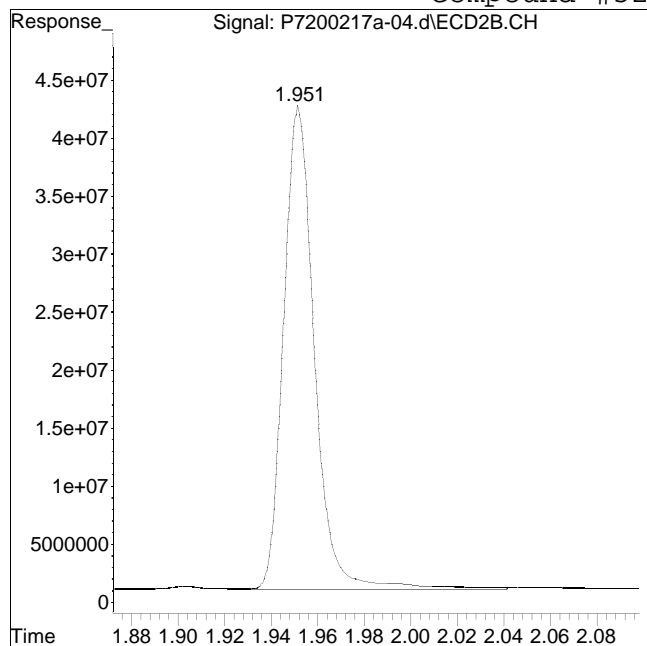
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200217A\
Data File : P7200217a-04.d
Date Inj'd : 2/17/2020 4:34 pm
Sample : wg1341196-1,42e,,nyb

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 2/19/2020 4:54 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 387355379

Manual Peak Response = 381990835 M4

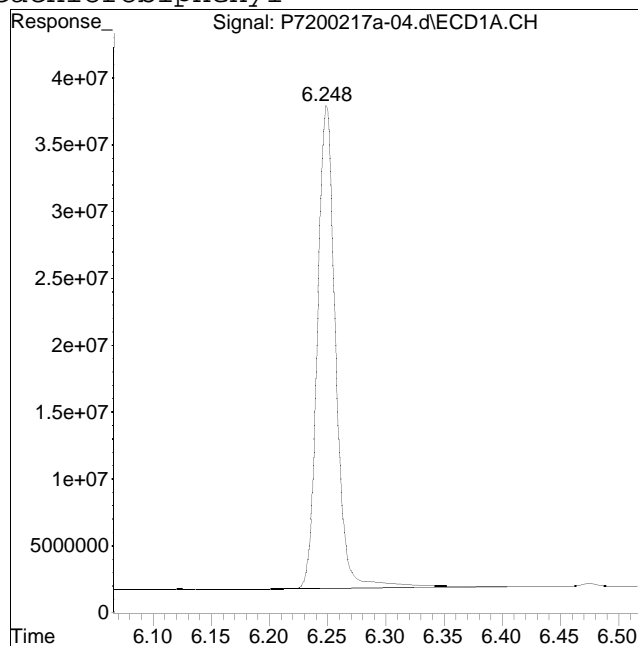
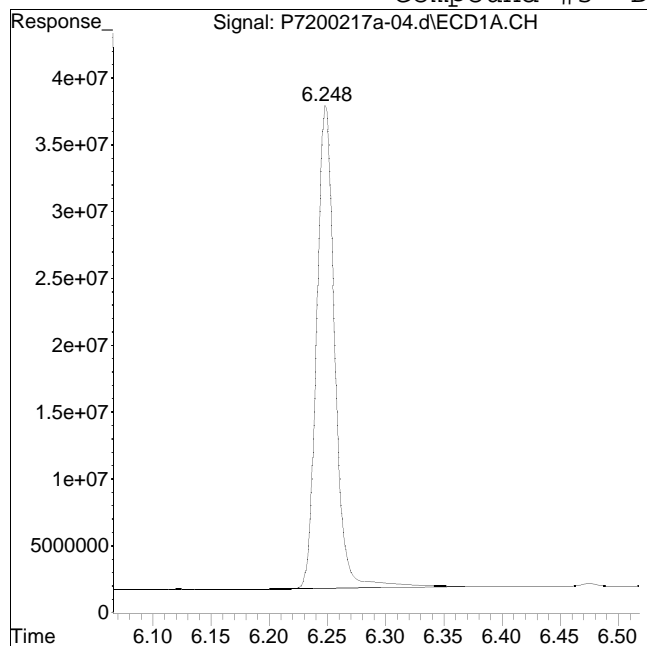
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200217A\
Data File : P7200217a-04.d
Date Inj'd : 2/17/2020 4:34 pm
Sample : wg1341196-1,42e,,nyb

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 2/19/2020 4:54 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 391830352

Manual Peak Response = 394544230 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200225a\
 Data File : 23200225a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 12:15 pm
 Operator : pest23:aws
 Sample : wg1343995-1,42e,,re
 Misc : wg1344117,wg1343995,ical16474
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 12:32:57 2020
 Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200225a\23200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.926	1.015	21223570	24651481	250.000	250.000
Standard Area 1 : #1 = 21265471					Recovery =	99.80%
Standard Area 1 : #2 = 24469510					Recovery =	100.74%
14) i 2154_1br2nb	0.926	1.015	21223570	24651481	250.000	250.000
23) i 4268_1br2nb	0.926	1.015	21223570	24651481	250.000	250.000
34) i 1248_1br2nb	0.926	1.015	21223570	24651481	250.000	250.000
40) i 3262_1br2nb	0.926	1.015	21223570	24651481	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.167	1.356	48553963	55306673	374.252	405.929
Spiked Amount 500.000	Range 30 - 150				Recovery =	74.85%
3) s Decachlorobi	3.552	4.172	44401688	48122105	506.643	391.358M2
Spiked Amount 500.000	Range 30 - 150				Recovery =	101.33%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200225a\
 Data File : 23200225a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 12:15 pm
 Operator : pest23:aws
 Sample : wg1343995-1,42e,,re
 Misc : wg1344117,wg1343995,ical16474
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 12:32:57 2020
 Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200225a\23200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200225a\
 Data File : 23200225a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 12:15 pm
 Operator : pest23:aws
 Sample : wg1343995-1,42e,,re
 Misc : wg1344117,wg1343995,ical16474
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 12:32:57 2020
 Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200225a\23200225a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200225a\
 Data File : 23200225a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 12:15 pm
 Operator : pest23:aws
 Sample : wg1343995-1,42e,,re
 Misc : wg1344117,wg1343995,ical16474
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 12:32:57 2020
 Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200225a\23200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

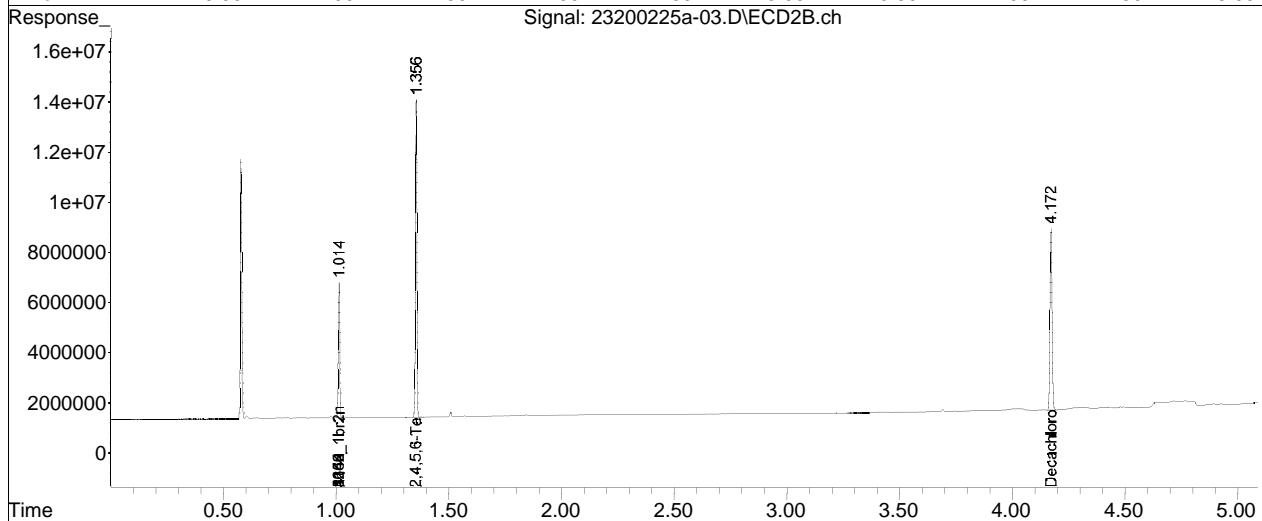
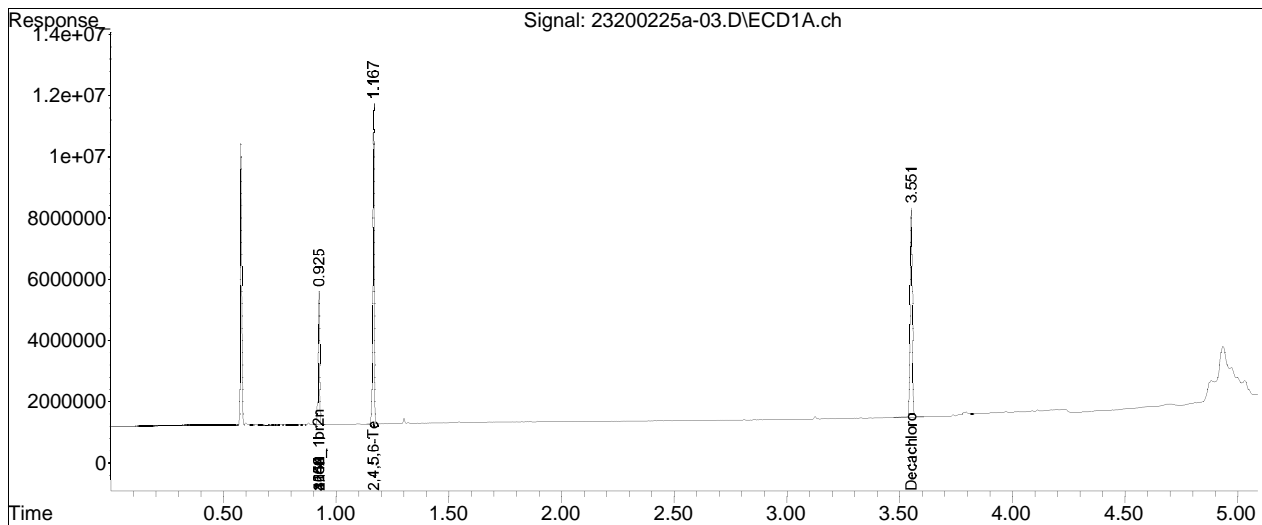
Sub List : Default - All compounds listed25a\23200225a-02.D••

Data Path : I:\Pest23\data\2020\23200225a\
Data File : 23200225a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2020 12:15 pm
Operator : pest23:aws
Sample : wg1343995-1,42e,,re
Misc : wg1344117,wg1343995,ical16474
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 12:32:57 2020
Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Tue Feb 25 10:16:09 2020
Response via : Initial Calibration
Integrator: ChemStation

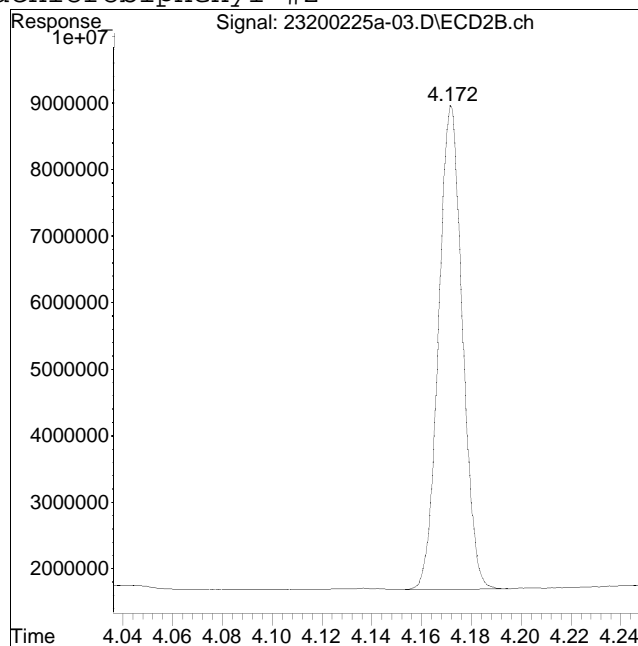
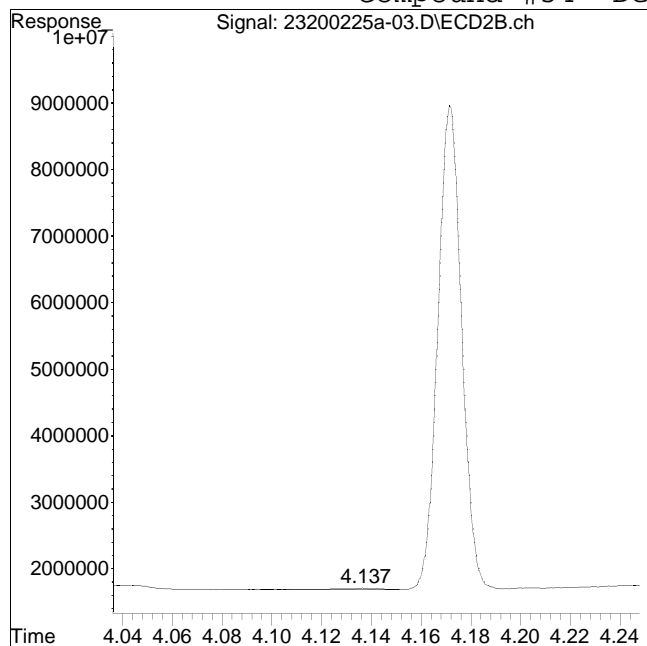
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200225a-03.D Operator : pest23:aws
Date Inj'd : 2/25/2020 12:15 pm Instrument : Pest 23
Sample : wg1343995-1,42e,,re Quant Date : 2/26/2020 12:32 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 272466

Manual Peak Response = 48122105 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200217A\
 Data File : P2200217a-40.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:53 am
 Operator : pest2:aws
 Sample : wgl1341251-1,42e,,
 Misc : wgl1341578,wgl1341251,ical16010
 ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 12:32:11 2020
 Quant Method : I:\Pest2\200217A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200217A\P2200217a-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.104	2.294	90170864	63597682	25.000	25.000
Standard Area 1 : #1 = 91651270					Recovery =	98.38%
Standard Area 1 : #2 = 64771808					Recovery =	98.19%
14) i 2154_1br2nb	2.104	2.294	90170864	63597682	25.000	25.000
23) i 4268_1br2nb	2.104	2.294	90170864	63597682	25.000	25.000
34) i 1248_1br2nb	2.104	2.294	90170864	63597682	25.000	25.000
40) i 3262_1br2nb	2.104	2.294	90170864	63597682	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.584	2.937	53495500	39597680	14.459	14.777
Spiked Amount 20.000	Range 30 - 150				Recovery =	72.30% 73.89%
3) s Decachlorobi	6.578	7.274	46438704	33425988	13.075	15.957
Spiked Amount 20.000	Range 30 - 150				Recovery =	65.38% 79.79%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200217A\
 Data File : P2200217a-40.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:53 am
 Operator : pest2:aws
 Sample : wg1341251-1,42e,,
 Misc : wg1341578,wg1341251,ical16010
 ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 12:32:11 2020
 Quant Method : I:\Pest2\200217A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200217A\P2200217a-26.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D.
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14	1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	3.402f	4.017f	177702	267701	2.479M2	4.855M2

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200217A\
 Data File : P2200217a-40.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:53 am
 Operator : pest2:aws
 Sample : wg1341251-1,42e,,
 Misc : wg1341578,wg1341251,ical16010
 ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 12:32:11 2020
 Quant Method : I:\Pest2\200217A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200217A\P2200217a-26.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) 17	1248-2	3.653	4.300f	258792	399680	2.547M2	5.594M2
37) 17	1248-3	3.849f	4.524f	495935	421846	3.917M2	4.884M2
38) 17	1248-4	4.184f	4.817f	527697	572927	3.966M2	5.959M2
39) 17	1248-5	4.209f	4.853f	661751	542113	5.402M2	4.899M2
	Sum 1248-1			2121877	2204268	18.311	26.190
	Average 1248-1					3.662	5.238
41) 15	1232-1	0.000	0.000	0	0	N.D.	N.D.
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15	1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15	1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15	1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D.	N.D.
48) 18	1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18	1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18	1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200217A\
 Data File : P2200217a-40.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:53 am
 Operator : pest2:aws
 Sample : wg1341251-1,42e,,
 Misc : wg1341578,wg1341251,ical16010
 ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 12:32:11 2020
 Quant Method : I:\Pest2\200217A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200217A\P2200217a-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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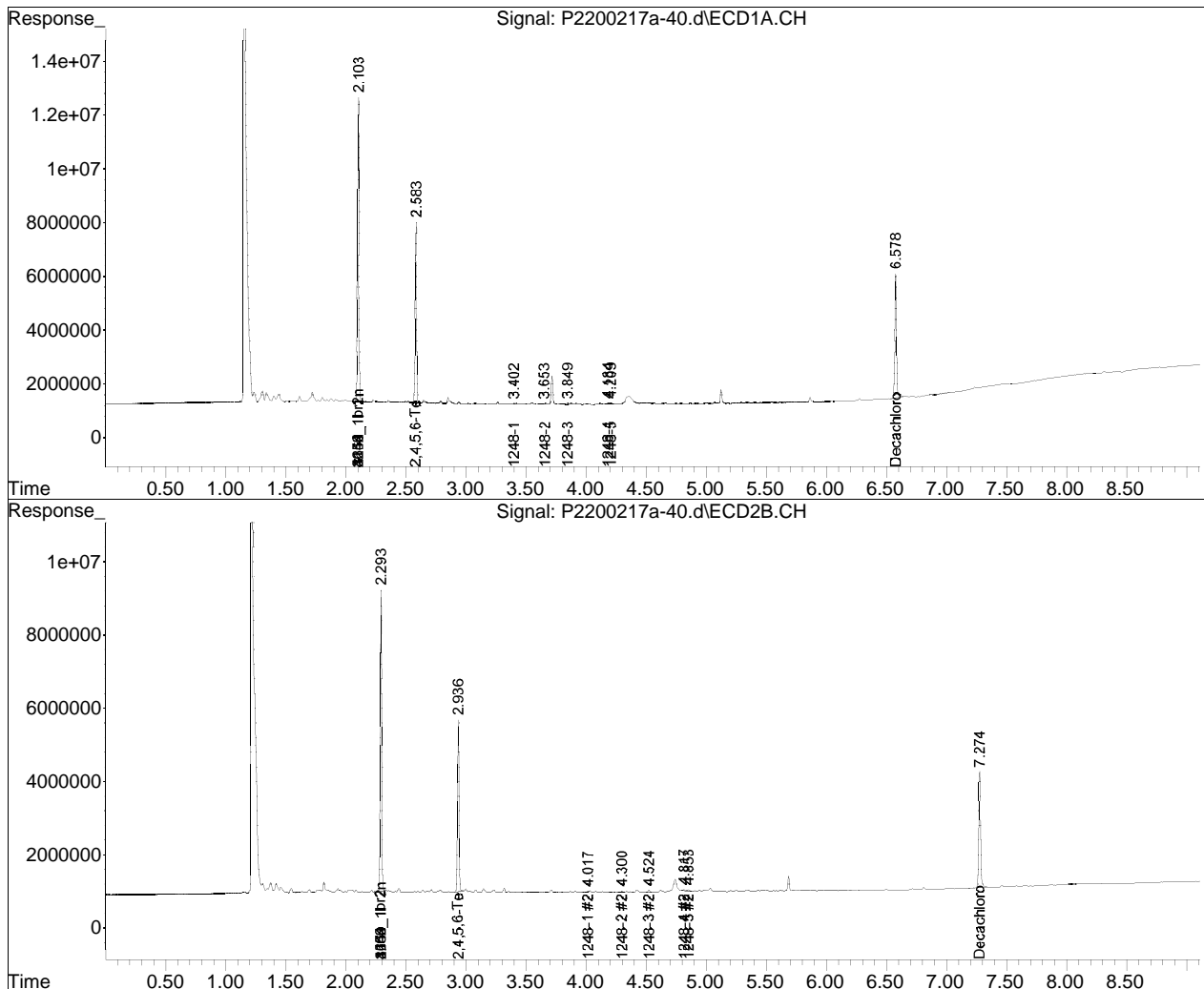
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-26.d••ed)

Data Path : I:\Pest2\200217A\
Data File : P2200217a-40.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2020 2:53 am
Operator : pest2:aws
Sample : wg1341251-1,42e,,
Misc : wg1341578,wg1341251,ical16010
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 20 12:32:11 2020
Quant Method : I:\Pest2\200217A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 13 20:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

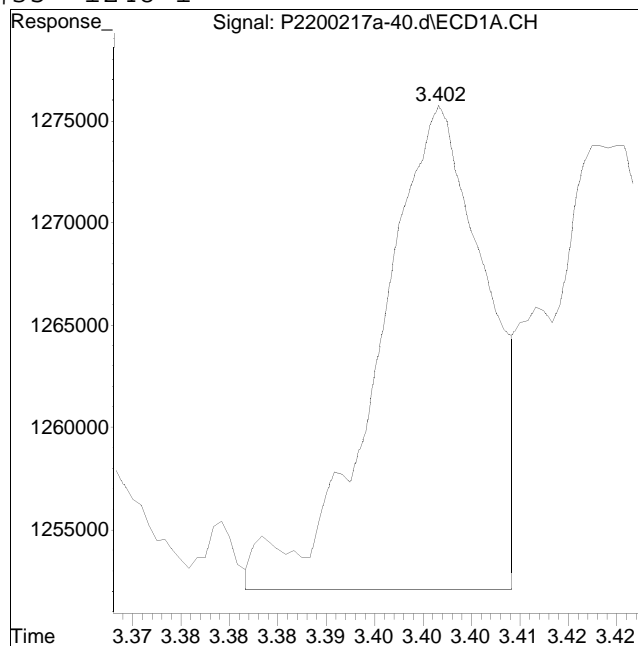
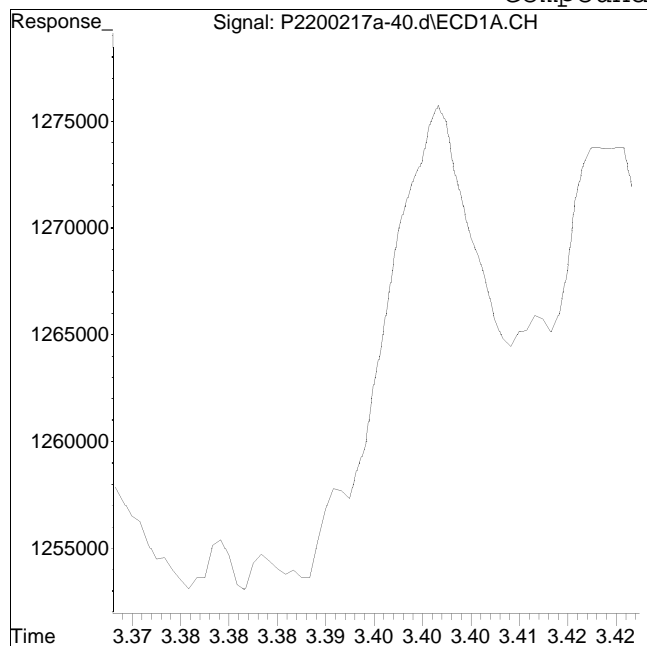


Manual Integration Report

Data Path : I:\Pest2\200217A\
Data File : P2200217a-40.d
Date Inj'd : 2/18/2020 2:53 am
Sample : wg1341251-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/20/2020 12:25 pm

Compound #35: 1248-1



Original Peak Response = 0

Manual Peak Response = 177702 M2

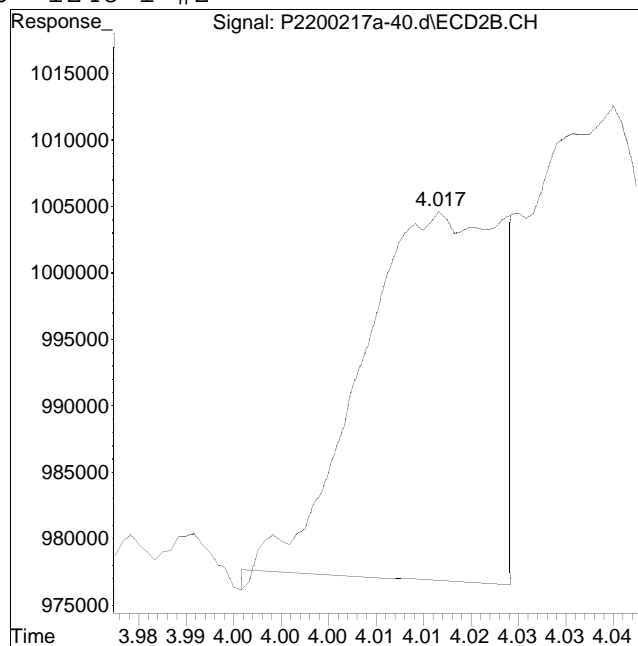
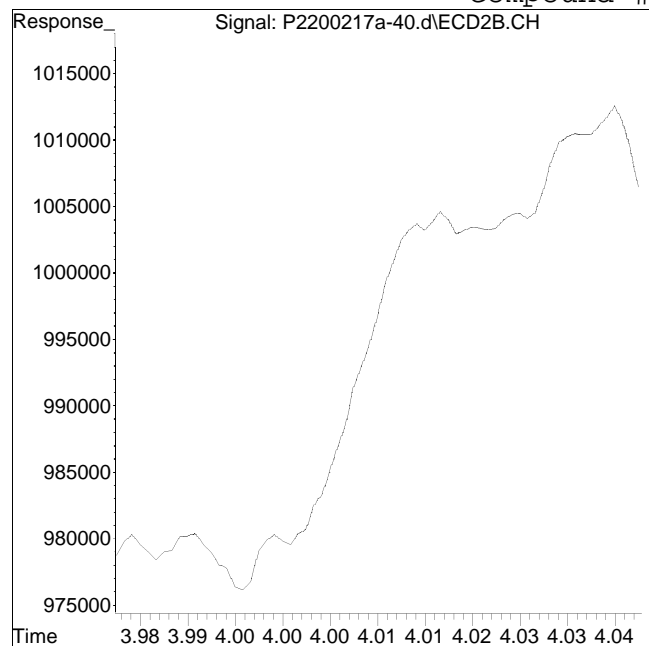
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest2\200217A\
Data File : P2200217a-40.d
Date Inj'd : 2/18/2020 2:53 am
Sample : wg1341251-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/20/2020 12:25 pm

Compound #86: 1248-1 #2



Original Peak Response = 0

Manual Peak Response = 267701 M2

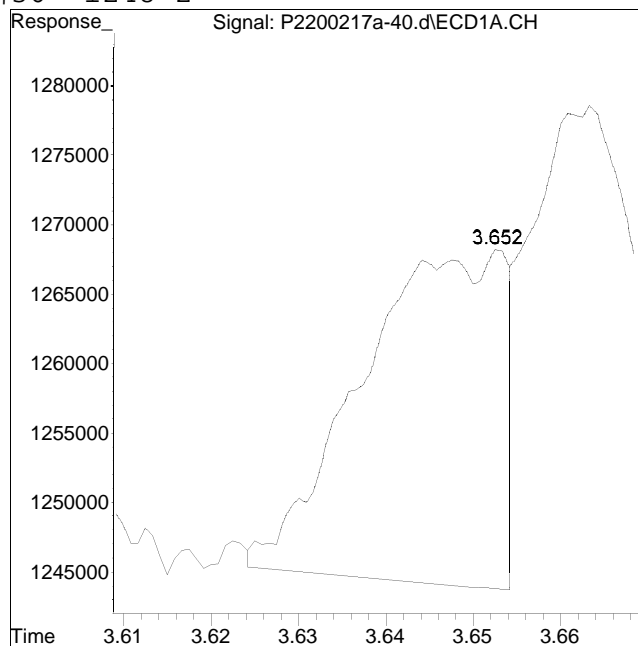
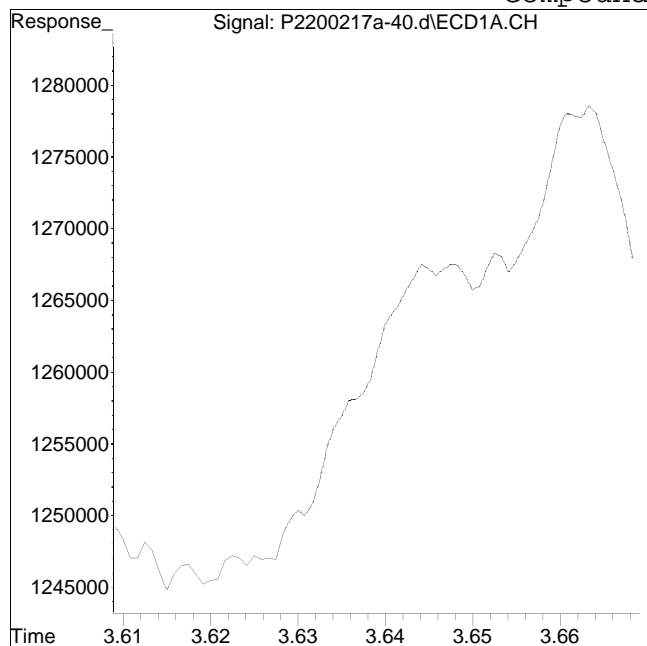
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest2\200217A\
Data File : P2200217a-40.d
Date Inj'd : 2/18/2020 2:53 am
Sample : wg1341251-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/20/2020 12:25 pm

Compound #36: 1248-2



Original Peak Response = 0

Manual Peak Response = 258792 M2

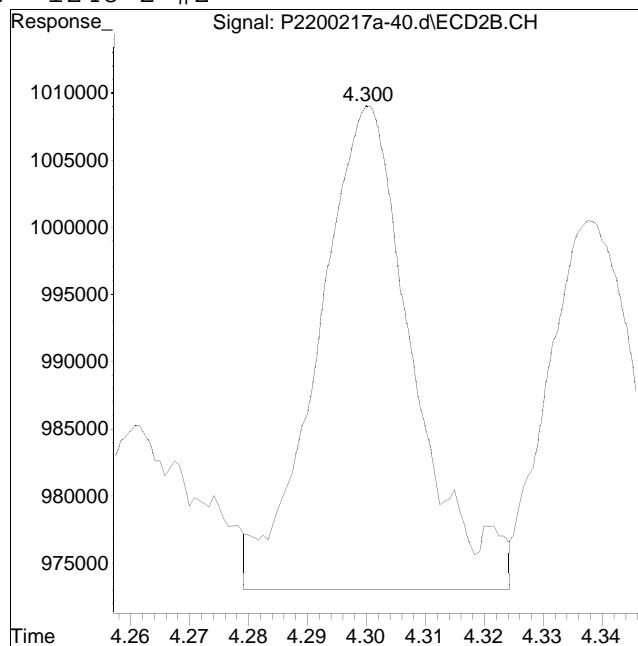
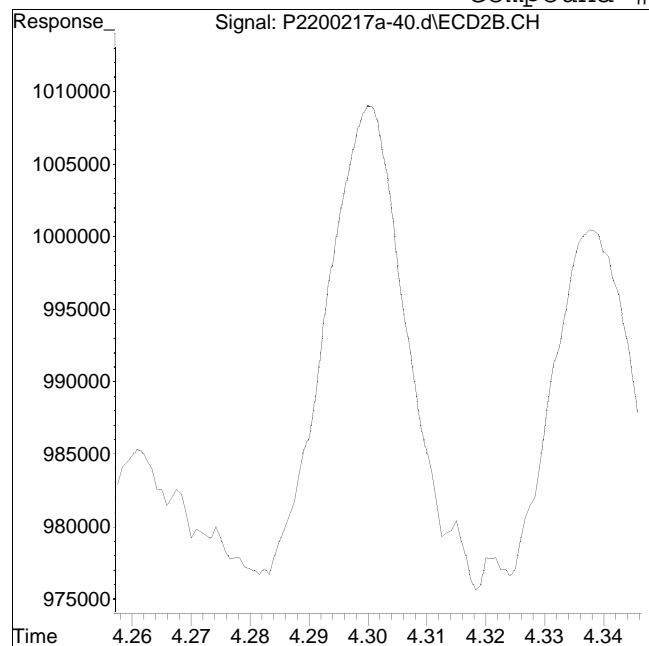
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest2\200217A\
Data File : P2200217a-40.d
Date Inj'd : 2/18/2020 2:53 am
Sample : wg1341251-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/20/2020 12:25 pm

Compound #87: 1248-2 #2



Original Peak Response = 0

Manual Peak Response = 399680 M2

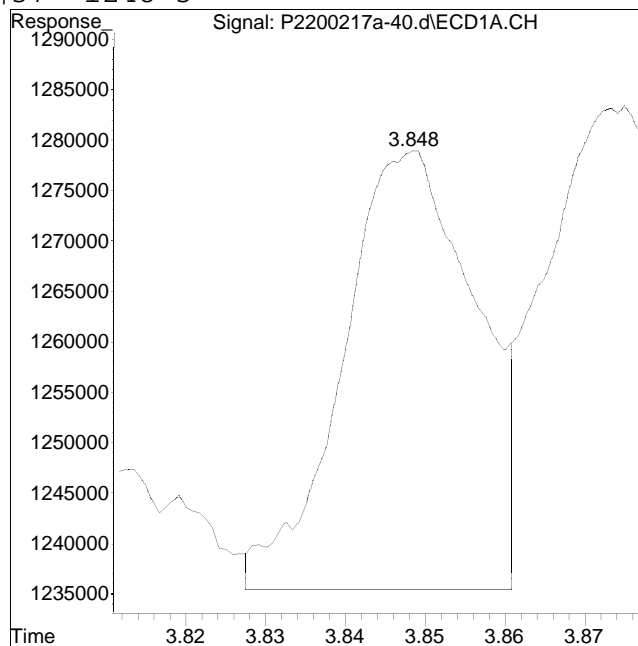
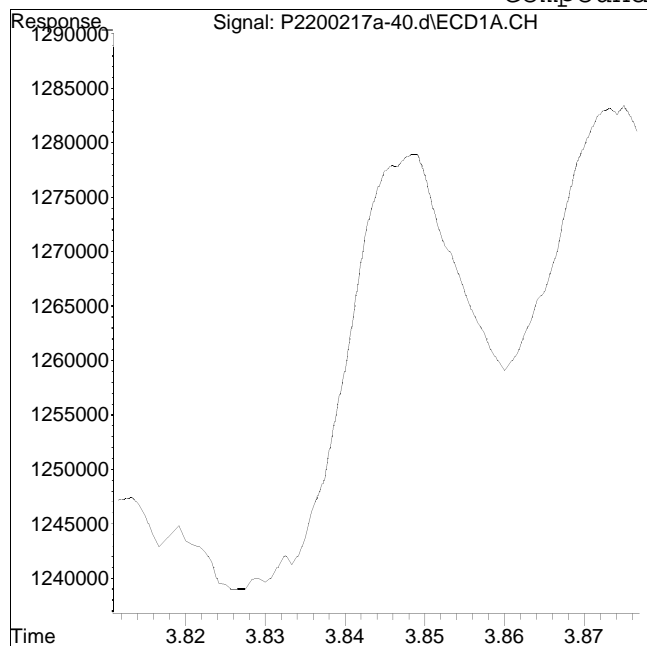
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest2\200217A\
Data File : P2200217a-40.d
Date Inj'd : 2/18/2020 2:53 am
Sample : wg1341251-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/20/2020 12:25 pm

Compound #37: 1248-3



Original Peak Response = 0

Manual Peak Response = 495935 M2

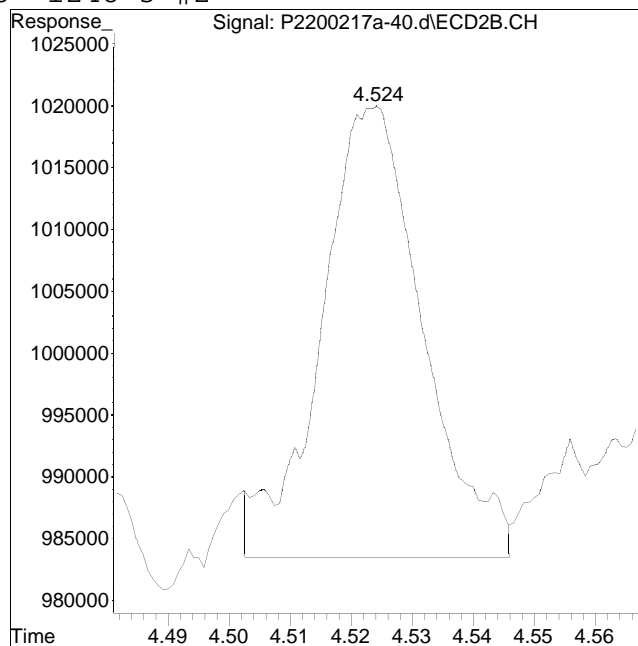
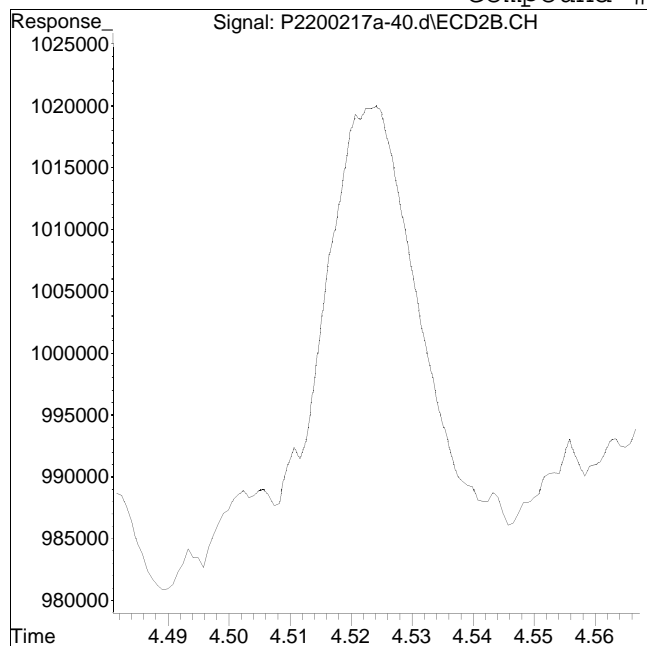
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest2\200217A\
Data File : P2200217a-40.d
Date Inj'd : 2/18/2020 2:53 am
Sample : wg1341251-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/20/2020 12:25 pm

Compound #88: 1248-3 #2



Original Peak Response = 0

Manual Peak Response = 421846 M2

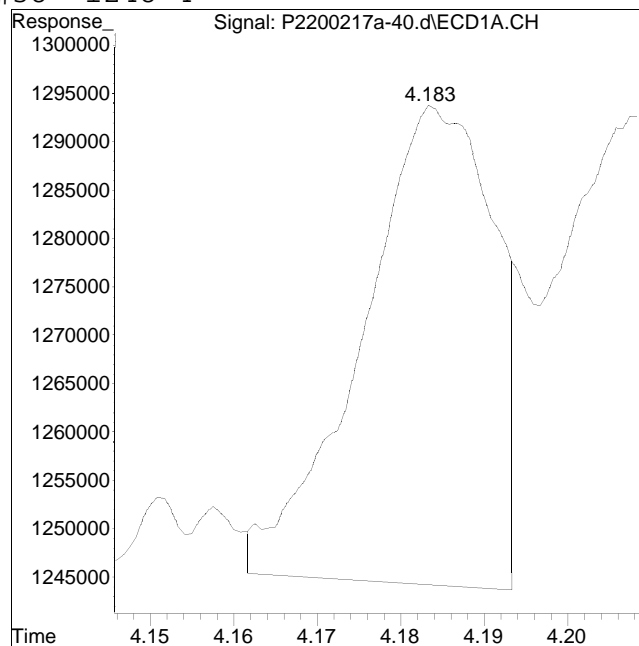
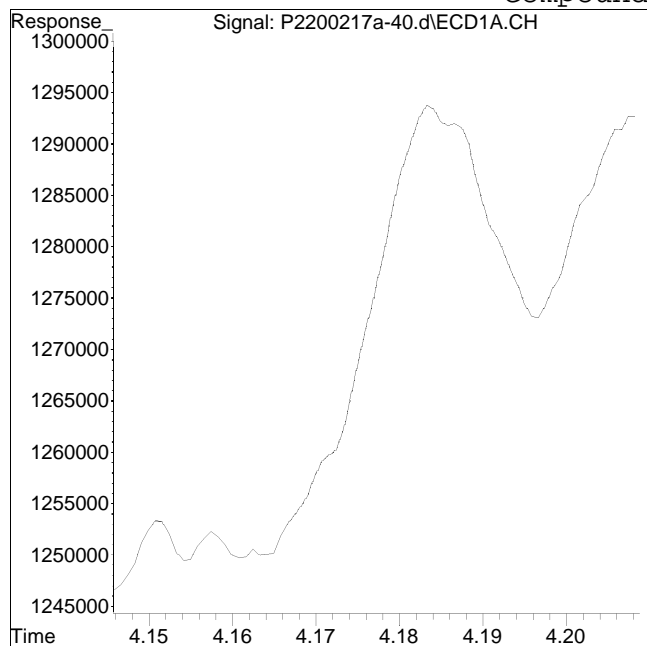
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest2\200217A\
Data File : P2200217a-40.d
Date Inj'd : 2/18/2020 2:53 am
Sample : wg1341251-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/20/2020 12:25 pm

Compound #38: 1248-4



Original Peak Response = 0

Manual Peak Response = 527697 M2

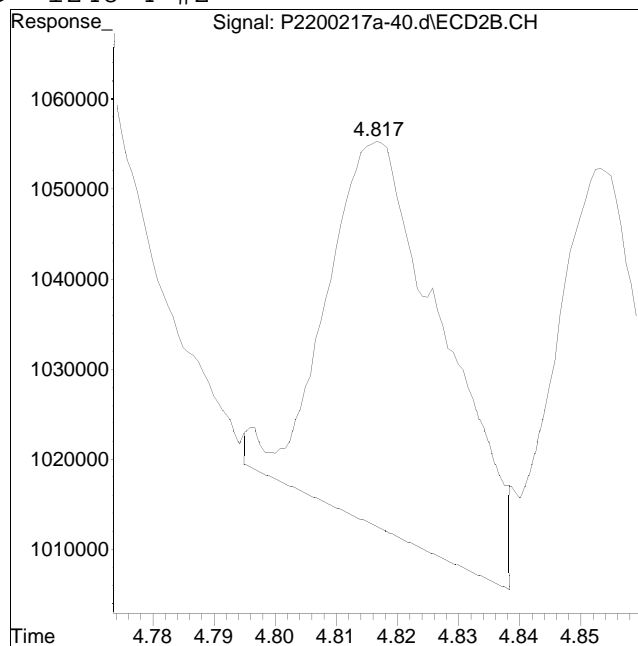
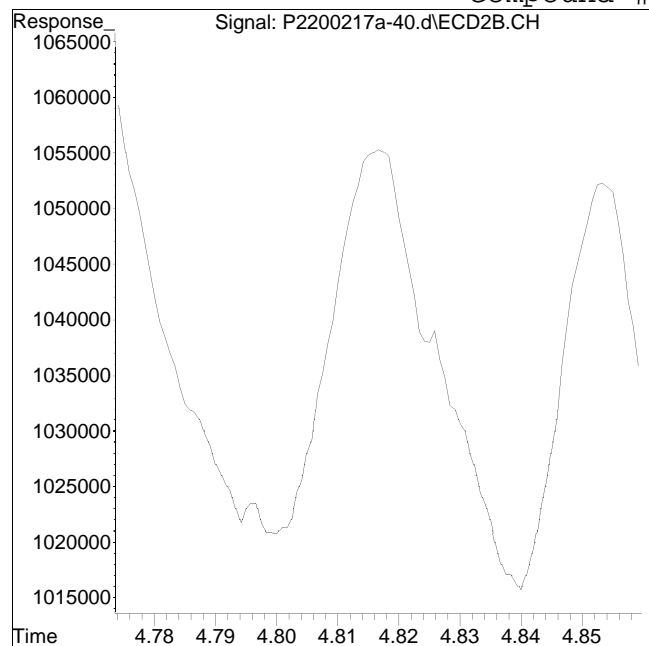
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest2\200217A\
Data File : P2200217a-40.d
Date Inj'd : 2/18/2020 2:53 am
Sample : wg1341251-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/20/2020 12:25 pm

Compound #89: 1248-4 #2



Original Peak Response = 0

Manual Peak Response = 572927 M2

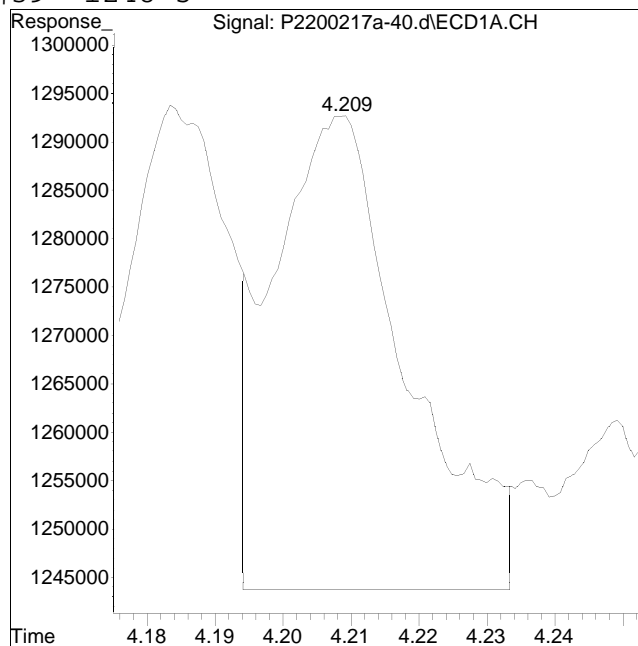
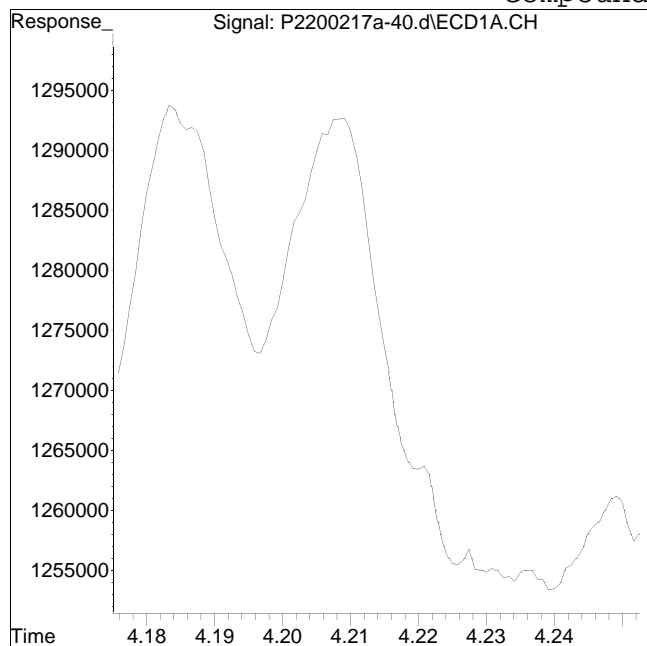
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest2\200217A\
Data File : P2200217a-40.d
Date Inj'd : 2/18/2020 2:53 am
Sample : wg1341251-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/20/2020 12:25 pm

Compound #39: 1248-5



Original Peak Response = 0

Manual Peak Response = 661751 M2

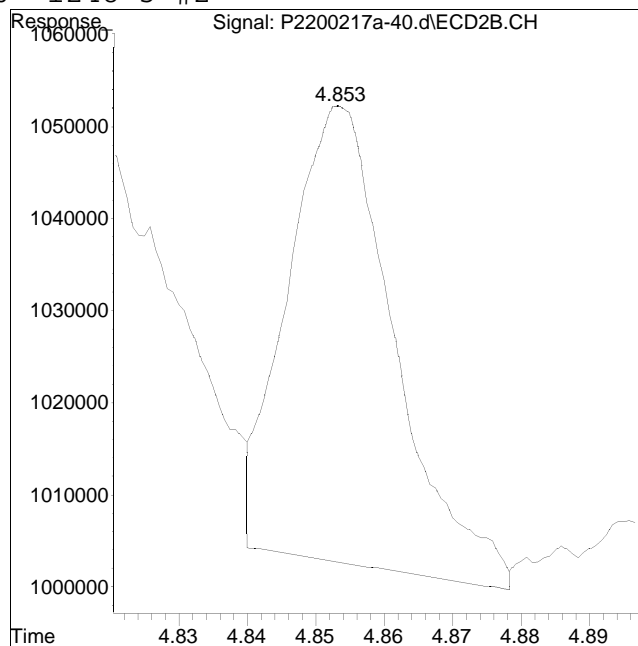
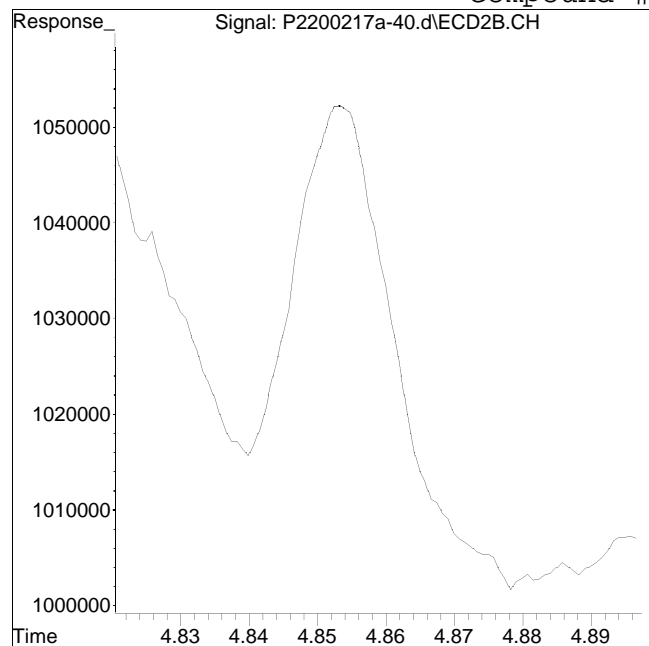
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest2\200217A\
Data File : P2200217a-40.d
Date Inj'd : 2/18/2020 2:53 am
Sample : wg1341251-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/20/2020 12:25 pm

Compound #90: 1248-5 #2



Original Peak Response = 0

Manual Peak Response = 542113 M2

M2 = Peak not found by automatic integration algorithm.

Wet Chemistry

Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-01	Date Collected : 02/13/20 09:22
Client ID : E-130-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-02	Date Collected : 02/13/20 09:34
Client ID : E-130-2.0-2.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 79
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	79.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-04	Date Collected : 02/13/20 10:03
Client ID : E-132-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 77
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	77.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-05	Date Collected : 02/13/20 10:35
Client ID : E-132-2.0-2.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-06	Date Collected : 02/13/20 10:55
Client ID : E-131-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 62
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	62.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-07	Date Collected : 02/13/20 11:32
Client ID : E-128-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-08	Date Collected : 02/13/20 11:44
Client ID : E-128-2.0-2.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-10	Date Collected : 02/13/20 12:58
Client ID : E-129-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-11	Date Collected : 02/13/20 13:12
Client ID : E-129-2.0-2.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 93
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	92.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-12	Date Collected : 02/13/20 13:39
Client ID : E-133-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 70
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	69.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-13	Date Collected : 02/13/20 13:49
Client ID : E-133-2.0-2.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	77.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-16	Date Collected : 02/13/20 14:38
Client ID : E-136-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 61
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	61.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-17	Date Collected : 02/13/20 14:43
Client ID : E-136-2.0-2.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-20	Date Collected : 02/13/20 15:47
Client ID : E-137-0.5-1.0	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 77
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	76.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-21	Date Collected : 02/13/20 15:54
Client ID : E-137-2.0-2.5	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	84.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006705-23	Date Collected : 02/13/20 00:00
Client ID : X-6-02132020	Date Received : 02/13/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 61
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	61.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006705
Project Name : AMTRAK EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1340867-1	Date Collected : 02/13/20 09:22
Client ID : E-130-0.5-1.0DUP	Date Received : 02/13/20
Sample Location :	Date Analyzed : 02/14/20 13:36
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1340867.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.4	0.100	NA	



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006705
Project Name	: AMTRAK EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-130-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2006705-01	Analysis Date	: 02/14/20 13:36
Dup Sample ID	: WG1340867-1	DUP Analysis Date	: 02/14/20 13:36

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	87.3	87.4	0	20





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Lab Number: L2006870

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

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Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0008.06		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2006870		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/14/2020		Date of Last Sample Receipt: 02/14/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-191-0.5-1.0	L2006870-01	AMTRAK-EAST BARRACKS	02/14/2020 09:55
E-192-0.5-1.0	L2006870-02	AMTRAK-EAST BARRACKS	02/14/2020 10:58
E-197-0.5-1.0	L2006870-03	AMTRAK-EAST BARRACKS	02/14/2020 11:45
E-199-0.5-1.0	L2006870-04	AMTRAK-EAST BARRACKS	02/14/2020 12:33
E-199-2.0-2.5	L2006870-05	AMTRAK-EAST BARRACKS	02/14/2020 12:39
E-198-0.5-1.0	L2006870-06	AMTRAK-EAST BARRACKS	02/14/2020 13:15
E-198-2.0-2.5	L2006870-07	AMTRAK-EAST BARRACKS	02/14/2020 13:22
E-198-3.0-3.5	L2006870-08	AMTRAK-EAST BARRACKS	02/14/2020 13:29
E-190-0.5-1.0	L2006870-09	AMTRAK-EAST BARRACKS	02/14/2020 13:49
X-7-02142020	L2006870-10	AMTRAK-EAST BARRACKS	02/14/2020 00:00
EB-7-02142020	L2006870-11	AMTRAK-EAST BARRACKS	02/14/2020 13:59

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.

Technical Director/Representative (Typed) Tiffani Morrissey

02/21/20

Technical Director/Representative (Signature) 

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E-199-2.0-2.5 (L2006870-05D) Analyzed: 02/19/20 13:12 Chan. A&B	151
E-199-0.5-1.0 (L2006870-04D) Analyzed: 02/19/20 13:19 Chan. A&B	162
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Chain of Custody



ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 21 2020, 04:32 pm

Login Number: L2006870

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0008.06

Received: 14FEB20 Due Date: 21FEB20

Sample #	Client ID	Mat PR Collected
L2006870-01	E-191-0.5-1.0	3 S0 14FEB20 09:55
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 02/21/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2006870-02	E-192-0.5-1.0	3 S0 14FEB20 10:58
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2006870-03	E-197-0.5-1.0	3 S0 14FEB20 11:45
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2006870-04	E-199-0.5-1.0	3 S0 14FEB20 12:33
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2006870-05	E-199-2.0-2.5	3 S0 14FEB20 12:39
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		
NJ-8082,TS		
L2006870-06	E-198-0.5-1.0	3 S0 14FEB20 13:15
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/21/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 21 2020, 04:32 pm

Login Number: L2006870

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 14FEB20 Due Date: 21FEB20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2006870-07 E-198-2.0-2.5 3 S0 14FEB20 13:22

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

L2006870-08 E-198-3.0-3.5 3 S0 14FEB20 13:29

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

L2006870-09 E-190-0.5-1.0 3 S0 14FEB20 13:49

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

L2006870-10 X-7-02142020 3 S0 14FEB20 00:00

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082,TS

L2006870-11 EB-7-02142020 1 S0 14FEB20 13:59

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/21/20

NJ-8082-LVI

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006870-01A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W16-S3-C	CUSTODY	W16-S3-C CUSTODY Phillip Renaud
L2006870-01A	Glass-A.06	INTACT	17-FEB-20		ORGPREP	Richmond Addai	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Richmond Addai
L2006870-01A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2006870-01A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006870-01A	Glass-A.06	INTACT	15-FEB-20		RETURN WALK-IN	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006870-01A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Yaw Attobrah	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Yaw Attobrah
L2006870-01A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Yaw Attobrah	LOGIN	LOGIN	Yaw Attobrah
L2006870-01A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Isaac Mensah	CUSTODY	CUSTODY	Isaac Mensah
L2006870-02A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W16-S3-C	CUSTODY	W16-S3-C CUSTODY Phillip Renaud
L2006870-02A	Glass-A.06	INTACT	17-FEB-20		ORGPREP	Richmond Addai	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Richmond Addai
L2006870-02A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2006870-02A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006870-02A	Glass-A.06	INTACT	15-FEB-20		RETURN WALK-IN	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006870-02A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Yaw Attobrah	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Yaw Attobrah
L2006870-02A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Yaw Attobrah	LOGIN	LOGIN	Yaw Attobrah
L2006870-02A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Isaac Mensah	CUSTODY	CUSTODY	Isaac Mensah
L2006870-03A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W16-S3-C	CUSTODY	W16-S3-C CUSTODY Phillip Renaud
L2006870-03A	Glass-A.06	INTACT	17-FEB-20		ORGPREP	Richmond Addai	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Richmond Addai
L2006870-03A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	W15-S6-C	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2006870-03A	Glass-A.06	INTACT	15-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S6-C	CUSTODY	W15-S6-C CUSTODY Sam Bardsley
L2006870-03A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006870-03A	Glass-A.06	INTACT	15-FEB-20		RETURN WALK-IN	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006870-03A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Yaw Attobrah	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Yaw Attobrah
L2006870-03A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Yaw Attobrah	LOGIN	LOGIN	Yaw Attobrah
L2006870-03A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Isaac Mensah	CUSTODY	CUSTODY	Isaac Mensah

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006870-04A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W16-S3-C	CUSTODY	W16-S3-C CUSTODY Phillip Renaud
L2006870-04A	Glass-A.06	INTACT	17-FEB-20		ORGPREP	Richmond Addai	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Richmond Addai
L2006870-04A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	W15-S6-C	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2006870-04A	Glass-A.06	INTACT	15-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S6-C	CUSTODY	W15-S6-C CUSTODY Sam Bardsley
L2006870-04A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006870-04A	Glass-A.06	INTACT	15-FEB-20		RETURN WALK-IN	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006870-04A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Yaw Attobrah	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Yaw Attobrah
L2006870-04A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Yaw Attobrah	LOGIN	LOGIN	Yaw Attobrah
L2006870-04A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Isaac Mensah	CUSTODY	CUSTODY	Isaac Mensah
L2006870-05A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W16-S3-C	CUSTODY	W16-S3-C CUSTODY Phillip Renaud
L2006870-05A	Glass-A.06	INTACT	17-FEB-20		ORGPREP	Richmond Addai	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Richmond Addai
L2006870-05A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	W15-S6-C	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2006870-05A	Glass-A.06	INTACT	15-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W15-S6-C	CUSTODY	W15-S6-C CUSTODY Sam Bardsley
L2006870-05A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006870-05A	Glass-A.06	INTACT	15-FEB-20		RETURN WALK-IN	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006870-05A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Yaw Attobrah	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Yaw Attobrah
L2006870-05A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Yaw Attobrah	LOGIN	LOGIN	Yaw Attobrah
L2006870-05A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Isaac Mensah	CUSTODY	CUSTODY	Isaac Mensah
L2006870-06A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W16-S3-C	CUSTODY	W16-S3-C CUSTODY Phillip Renaud
L2006870-06A	Glass-A.06	INTACT	17-FEB-20		ORGPREP	Richmond Addai	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Richmond Addai
L2006870-06A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2006870-06A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2006870-06A	Glass-A.06	INTACT	15-FEB-20		RETURN WALK-IN	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006870-06A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Yaw Attobrah	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Yaw Attobrah
L2006870-06A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Yaw Attobrah	LOGIN	LOGIN	Yaw Attobrah

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006870-06A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Isaac Mensah	CUSTODY	CUSTODY	Isaac Mensah
L2006870-07A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	WALK-IN CUSTODY	Phillip Renaud	W16-S3-C CUSTODY	W16-S3-C CUSTODY	Phillip Renaud
L2006870-07A	Glass-A.06	INTACT	18-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2006870-07A	Glass-A.06	INTACT	18-FEB-20	CUSTODY	W16-S3-C CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2006870-07A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W16-S3-C CUSTODY	W16-S3-C CUSTODY	Phillip Renaud
L2006870-07A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	ORGPREP	Richmond Addai	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Richmond Addai
L2006870-07A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	W15-S6-C CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2006870-07A	Glass-A.06	INTACT	15-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S6-C CUSTODY	W15-S6-C CUSTODY	Sam Bardsley
L2006870-07A	Glass-A.06	INTACT	15-FEB-20	CUSTODY	LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006870-07A	Glass-A.06	INTACT	15-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006870-07A	Glass-A.06	INTACT	15-FEB-20	CUSTODY	LOGIN	Yaw Attobrah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Yaw Attobrah
L2006870-07A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	CUSTODY	Yaw Attobrah	LOGIN	LOGIN	Yaw Attobrah
L2006870-07A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Isaac Mensah	CUSTODY	CUSTODY	Isaac Mensah
L2006870-08A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W16-S3-C CUSTODY	W16-S3-C CUSTODY	Phillip Renaud
L2006870-08A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	ORGPREP	Richmond Addai	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Richmond Addai
L2006870-08A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2006870-08A	Glass-A.06	INTACT	15-FEB-20	CUSTODY	LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006870-08A	Glass-A.06	INTACT	15-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006870-08A	Glass-A.06	INTACT	15-FEB-20	CUSTODY	LOGIN	Yaw Attobrah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Yaw Attobrah
L2006870-08A	Glass-A.06	INTACT	14-FEB-20	CUSTODY	CUSTODY	Yaw Attobrah	LOGIN	LOGIN	Yaw Attobrah
L2006870-08A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Isaac Mensah	CUSTODY	CUSTODY	Isaac Mensah
L2006870-09A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W16-S3-C CUSTODY	W16-S3-C CUSTODY	Phillip Renaud
L2006870-09A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	ORGPREP	Richmond Addai	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Richmond Addai
L2006870-09A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	W15-S6-C CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2006870-09A	Glass-A.06	INTACT	15-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W15-S6-C CUSTODY	W15-S6-C CUSTODY	Sam Bardsley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2006870-09A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006870-09A	Glass-A.06	INTACT	15-FEB-20		RETURN WALK-IN CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006870-09A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Yaw Attobrah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Yaw Attobrah
L2006870-09A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Yaw Attobrah	LOGIN	LOGIN	Yaw Attobrah
L2006870-09A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Isaac Mensah	CUSTODY	CUSTODY	Isaac Mensah
L2006870-10A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W16-S3-C CUSTODY	W16-S3-C CUSTODY	Phillip Renaud
L2006870-10A	Glass-A.06	INTACT	17-FEB-20		ORGPREP	Richmond Addai	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Richmond Addai
L2006870-10A	Glass-A.06	INTACT	17-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2006870-10A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2006870-10A	Glass-A.06	INTACT	15-FEB-20		RETURN WALK-IN CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2006870-10A	Glass-A.06	INTACT	15-FEB-20		LOGIN	Yaw Attobrah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Yaw Attobrah
L2006870-10A	Glass-A.06	INTACT	14-FEB-20		CUSTODY	Yaw Attobrah	LOGIN	LOGIN	Yaw Attobrah
L2006870-10A	Glass-A.06	INTACT	14-FEB-20	LOGIN	LOGIN	Isaac Mensah	CUSTODY	CUSTODY	Isaac Mensah
L2006870-11A	Amber-A.120	INTACT	19-FEB-20		R51-01 CUSTODY	Brittney Kelley	R51-05 CUSTODY	R51-05 CUSTODY	Brittney Kelley
L2006870-11A	Amber-A.120	INTACT	15-FEB-20	CUSTODY	CUSTODY	Wendy Morency	R51-01 CUSTODY	R51-01 CUSTODY	Wendy Morency
L2006870-11A	Amber-A.120	INTACT	14-FEB-20	LOGIN	LOGIN	Isaac Mensah	CUSTODY	CUSTODY	Isaac Mensah
L2006870-11B	Amber-A.120	EMPTY	19-FEB-20		ORGPREP	Francis Mbro-Menyah	CUSTODY	CUSTODY	Francis Mbro-Menyah
L2006870-11B	Amber-A.120	INTACT	19-FEB-20		R51-01 CUSTODY	Isaac Bamfo	ORGPREP	ORGPREP	Isaac Bamfo
L2006870-11B	Amber-A.120	INTACT	15-FEB-20	CUSTODY	CUSTODY	Wendy Morency	R51-01 CUSTODY	R51-01 CUSTODY	Wendy Morency
L2006870-11B	Amber-A.120	INTACT	14-FEB-20	LOGIN	LOGIN	Isaac Mensah	CUSTODY	CUSTODY	Isaac Mensah

Methodology Review

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006870
Report Date: 02/21/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2006870

Report Date: 02/21/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2006870-01A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJ-8082(14),TS(7)
L2006870-02A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJ-8082(14),TS(7)
L2006870-03A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJ-8082(14),TS(7)
L2006870-04A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJ-8082(14),TS(7)
L2006870-05A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJ-8082(14),TS(7)
L2006870-06A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJ-8082(14),TS(7)
L2006870-07A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJ-8082(14),TS(7)
L2006870-08A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJ-8082(14),TS(7)
L2006870-09A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJ-8082(14),TS(7)
L2006870-10A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJ-8082(14),TS(7)
L2006870-11A	Amber 120ml unpreserved	A	7	7	2.5	Y	Absent		NJ-8082-LVI(7)
L2006870-11B	Amber 120ml unpreserved	A	7	7	2.5	Y	Absent		NJ-8082-LVI(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006870
Report Date: 02/21/20

**NJ DEP Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^\circ \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006870
Report Date: 02/21/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006870
Report Date: 02/21/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

L2006870-04, -05 and -09: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

L2006870-04 and -05: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2006870-09: One or more surrogates failed to meet the DKQP recovery limits. Please refer to the sample results and/or QC section of the report for specific details.

WG1341307-5: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Please refer to the QC section of the report for specific details.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Report Date: 02/21/20

Title: Technical Director/Representative

Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006870
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- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2006870
Report Date: 02/21/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Organics



**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006870-01 Client ID : E-191-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200218a-02 Sample Amount : 15.92 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006870 Project Number : 277710568.0008.06 Date Collected : 02/14/20 09:55 Date Received : 02/14/20 Date Analyzed : 02/18/20 12:53 Date Extracted : 02/17/20 Dilution Factor : 1 Analyst : KB Instrument ID : PEST13 GC Column : CLP-Pesticide %Solids : 87 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0359	0.00319	U
11104-28-2	Aroclor 1221	ND	0.0359	0.00360	U
11141-16-5	Aroclor 1232	ND	0.0359	0.00762	U
53469-21-9	Aroclor 1242	ND	0.0359	0.00484	U
12672-29-6	Aroclor 1248	ND	0.0359	0.00539	U
37324-23-5	Aroclor 1262	ND	0.0359	0.00456	U
11100-14-4	Aroclor 1268	ND	0.0359	0.00372	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006870-01 Client ID : E-191-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200218a-02 Sample Amount : 15.92 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006870 Project Number : 277710568.0008.06 Date Collected : 02/14/20 09:55 Date Received : 02/14/20 Date Analyzed : 02/18/20 12:53 Date Extracted : 02/17/20 Dilution Factor : 1 Analyst : KB Instrument ID : PEST13 GC Column : CLP-PesticideII %Solids : 87 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.334	0.0359	0.00393	
11096-82-5	Aroclor 1260	0.203	0.0359	0.00664	
1336-36-3	PCBs, Total	0.537	0.0359	0.00319	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006870
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006870-02	Date Collected	: 02/14/20 10:58
Client ID	: E-192-0.5-1.0	Date Received	: 02/14/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/18/20 13:30
Sample Matrix	: SOIL	Date Extracted	: 02/17/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200218a-05	Analyst	: KB
Sample Amount	: 15.53 g	Instrument ID	: PEST13
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 76
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0422	0.00375	U
11104-28-2	Aroclor 1221	ND	0.0422	0.00423	U
11141-16-5	Aroclor 1232	ND	0.0422	0.00894	U
53469-21-9	Aroclor 1242	ND	0.0422	0.00569	U
12672-29-6	Aroclor 1248	ND	0.0422	0.00633	U
11097-69-1	Aroclor 1254	ND	0.0422	0.00462	U
37324-23-5	Aroclor 1262	ND	0.0422	0.00536	U
11100-14-4	Aroclor 1268	ND	0.0422	0.00437	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006870-02 Client ID : E-192-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200218a-05 Sample Amount : 15.53 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006870 Project Number : 277710568.0008.06 Date Collected : 02/14/20 10:58 Date Received : 02/14/20 Date Analyzed : 02/18/20 13:30 Date Extracted : 02/17/20 Dilution Factor : 1 Analyst : KB Instrument ID : PEST13 GC Column : CLP-PesticideII %Solids : 76 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.409	0.0422	0.00780	
1336-36-3	PCBs, Total	0.409	0.0422	0.00375	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-03D	Date Collected : 02/14/20 11:45
Client ID : E-197-0.5-1.0	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 12:58
Sample Matrix : SOIL	Date Extracted : 02/17/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 19200219a-16	Analyst : AWS
Sample Amount : 15.36 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.200	0.0178	U
11104-28-2	Aroclor 1221	ND	0.200	0.0200	U
11141-16-5	Aroclor 1232	ND	0.200	0.0424	U
53469-21-9	Aroclor 1242	ND	0.200	0.0270	U
12672-29-6	Aroclor 1248	ND	0.200	0.0300	U
11097-69-1	Aroclor 1254	ND	0.200	0.0219	U
11096-82-5	Aroclor 1260	0.860	0.200	0.0370	
37324-23-5	Aroclor 1262	ND	0.200	0.0254	U
11100-14-4	Aroclor 1268	ND	0.200	0.0207	U
1336-36-3	PCBs, Total	0.860	0.200	0.0178	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-04D	Date Collected : 02/14/20 12:33
Client ID : E-199-0.5-1.0	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:19
Sample Matrix : SOIL	Date Extracted : 02/17/20
Analytical Method : 1,8082A	Dilution Factor : 100
Lab File ID : 19200219a-19	Analyst : AWS
Sample Amount : 15.35 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	3.79	0.337	U
11104-28-2	Aroclor 1221	ND	3.79	0.380	U
11141-16-5	Aroclor 1232	ND	3.79	0.804	U
53469-21-9	Aroclor 1242	ND	3.79	0.511	U
12672-29-6	Aroclor 1248	ND	3.79	0.569	U
11097-69-1	Aroclor 1254	ND	3.79	0.415	U
11096-82-5	Aroclor 1260	37.2	3.79	0.701	
37324-23-5	Aroclor 1262	ND	3.79	0.482	U
11100-14-4	Aroclor 1268	ND	3.79	0.393	U
1336-36-3	PCBs, Total	37.2	3.79	0.337	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-05D	Date Collected : 02/14/20 12:39
Client ID : E-199-2.0-2.5	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:12
Sample Matrix : SOIL	Date Extracted : 02/17/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 19200219a-18	Analyst : AWS
Sample Amount : 15.69 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 83
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.768	0.0682	U
11104-28-2	Aroclor 1221	ND	0.768	0.0769	U
11141-16-5	Aroclor 1232	ND	0.768	0.163	U
53469-21-9	Aroclor 1242	ND	0.768	0.104	U
12672-29-6	Aroclor 1248	ND	0.768	0.115	U
11097-69-1	Aroclor 1254	ND	0.768	0.0840	U
11096-82-5	Aroclor 1260	4.89	0.768	0.142	
37324-23-5	Aroclor 1262	ND	0.768	0.0975	U
11100-14-4	Aroclor 1268	ND	0.768	0.0796	U
1336-36-3	PCBs, Total	4.89	0.768	0.0682	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-06	Date Collected : 02/14/20 13:15
Client ID : E-198-0.5-1.0	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 14:19
Sample Matrix : SOIL	Date Extracted : 02/17/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 13200218a-09	Analyst : KB
Sample Amount : 15.31 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0369	0.00327	U
11104-28-2	Aroclor 1221	ND	0.0369	0.00369	U
11141-16-5	Aroclor 1232	ND	0.0369	0.00781	U
53469-21-9	Aroclor 1242	ND	0.0369	0.00497	U
12672-29-6	Aroclor 1248	ND	0.0369	0.00553	U
11097-69-1	Aroclor 1254	ND	0.0369	0.00403	U
37324-23-5	Aroclor 1262	ND	0.0369	0.00468	U
11100-14-4	Aroclor 1268	ND	0.0369	0.00382	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006870
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006870-06	Date Collected	: 02/14/20 13:15
Client ID	: E-198-0.5-1.0	Date Received	: 02/14/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/18/20 14:19
Sample Matrix	: SOIL	Date Extracted	: 02/17/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200218a-09	Analyst	: KB
Sample Amount	: 15.31 g	Instrument ID	: PEST13
Extraction Method	: EPA 3546	GC Column	: CLP-PesticideII
Extract Volume	: 5000 uL	%Solids	: 89
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0569	0.0369	0.00681	
1336-36-3	PCBs, Total	0.0569	0.0369	0.00327	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-07	Date Collected : 02/14/20 13:22
Client ID : E-198-2.0-2.5	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 12:30
Sample Matrix : SOIL	Date Extracted : 02/18/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200219a-12	Analyst : AWS
Sample Amount : 15.11 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0383	0.00340	U
11104-28-2	Aroclor 1221	ND	0.0383	0.00384	U
11141-16-5	Aroclor 1232	ND	0.0383	0.00812	U
53469-21-9	Aroclor 1242	ND	0.0383	0.00516	U
12672-29-6	Aroclor 1248	ND	0.0383	0.00574	U
11097-69-1	Aroclor 1254	ND	0.0383	0.00419	U
37324-23-5	Aroclor 1262	ND	0.0383	0.00486	U
11100-14-4	Aroclor 1268	ND	0.0383	0.00397	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006870-07 Client ID : E-198-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200219a-12 Sample Amount : 15.11 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006870 Project Number : 277710568.0008.06 Date Collected : 02/14/20 13:22 Date Received : 02/14/20 Date Analyzed : 02/19/20 12:30 Date Extracted : 02/18/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 86 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.00928	0.0383	0.00708	J
1336-36-3	PCBs, Total	0.00928	0.0383	0.00340	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-08	Date Collected : 02/14/20 13:29
Client ID : E-198-3.0-3.5	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 14:31
Sample Matrix : SOIL	Date Extracted : 02/17/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 13200218a-10	Analyst : KB
Sample Amount : 15.74 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0358	0.00318	U
11104-28-2	Aroclor 1221	ND	0.0358	0.00359	U
11141-16-5	Aroclor 1232	ND	0.0358	0.00760	U
53469-21-9	Aroclor 1242	ND	0.0358	0.00483	U
12672-29-6	Aroclor 1248	ND	0.0358	0.00538	U
11097-69-1	Aroclor 1254	ND	0.0358	0.00392	U
37324-23-5	Aroclor 1262	ND	0.0358	0.00455	U
11100-14-4	Aroclor 1268	ND	0.0358	0.00371	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2006870-08 Client ID : E-198-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200218a-10 Sample Amount : 15.74 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006870 Project Number : 277710568.0008.06 Date Collected : 02/14/20 13:29 Date Received : 02/14/20 Date Analyzed : 02/18/20 14:31 Date Extracted : 02/17/20 Dilution Factor : 1 Analyst : KB Instrument ID : PEST13 GC Column : CLP-PesticideII %Solids : 89 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	ND	0.0358	0.00662	U
1336-36-3	PCBs, Total	ND	0.0358	0.00318	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006870
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006870-09D	Date Collected	: 02/14/20 13:49
Client ID	: E-190-0.5-1.0	Date Received	: 02/14/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/19/20 13:05
Sample Matrix	: SOIL	Date Extracted	: 02/17/20
Analytical Method	: 1,8082A	Dilution Factor	: 5
Lab File ID	: 19200219a-17	Analyst	: AWS
Sample Amount	: 15.38 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 73
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.222	0.0197	U
11104-28-2	Aroclor 1221	ND	0.222	0.0222	U
11141-16-5	Aroclor 1232	ND	0.222	0.0471	U
53469-21-9	Aroclor 1242	ND	0.222	0.0299	U
12672-29-6	Aroclor 1248	ND	0.222	0.0333	U
11097-69-1	Aroclor 1254	ND	0.222	0.0243	U
11096-82-5	Aroclor 1260	1.48	0.222	0.0410	
37324-23-5	Aroclor 1262	ND	0.222	0.0282	U
11100-14-4	Aroclor 1268	ND	0.222	0.0230	U
1336-36-3	PCBs, Total	1.48	0.222	0.0197	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-10	Date Collected : 02/14/20 00:00
Client ID : X-7-02142020	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/18/20 14:55
Sample Matrix : SOIL	Date Extracted : 02/17/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 13200218a-12	Analyst : KB
Sample Amount : 15.75 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0361	0.00321	U
11104-28-2	Aroclor 1221	ND	0.0361	0.00362	U
11141-16-5	Aroclor 1232	ND	0.0361	0.00766	U
53469-21-9	Aroclor 1242	ND	0.0361	0.00487	U
12672-29-6	Aroclor 1248	ND	0.0361	0.00542	U
11097-69-1	Aroclor 1254	ND	0.0361	0.00395	U
37324-23-5	Aroclor 1262	ND	0.0361	0.00459	U
11100-14-4	Aroclor 1268	ND	0.0361	0.00374	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006870
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2006870-10	Date Collected	: 02/14/20 00:00
Client ID	: X-7-02142020	Date Received	: 02/14/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/18/20 14:55
Sample Matrix	: SOIL	Date Extracted	: 02/17/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200218a-12	Analyst	: KB
Sample Amount	: 15.75 g	Instrument ID	: PEST13
Extraction Method	: EPA 3546	GC Column	: CLP-PesticideII
Extract Volume	: 5000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0486	0.0361	0.00667	
1336-36-3	PCBs, Total	0.0486	0.0361	0.00321	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-11	Date Collected : 02/14/20 13:59
Client ID : EB-7-02142020	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 16:32
Sample Matrix : WATER	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200219a-36	Analyst : AWS
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006870
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: WG1341307-1	Date Collected	: NA
Client ID	: WG1341307-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/18/20 16:21
Sample Matrix	: SOIL	Date Extracted	: 02/17/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200218a-19	Analyst	: JM
Sample Amount	: 15.36 g	Instrument ID	: PEST13
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0326	0.00289	U
11104-28-2	Aroclor 1221	ND	0.0326	0.00326	U
11141-16-5	Aroclor 1232	ND	0.0326	0.00690	U
53469-21-9	Aroclor 1242	ND	0.0326	0.00439	U
12672-29-6	Aroclor 1248	ND	0.0326	0.00488	U
11097-69-1	Aroclor 1254	ND	0.0326	0.00356	U
11096-82-5	Aroclor 1260	ND	0.0326	0.00602	U
37324-23-5	Aroclor 1262	ND	0.0326	0.00413	U
11100-14-4	Aroclor 1268	ND	0.0326	0.00337	U
1336-36-3	PCBs, Total	ND	0.0326	0.00289	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1341307-5	Date Collected : 02/14/20 09:55
Client ID : E-191-0.5-1.0DUP	Date Received : 02/14/20
Sample Location :	Date Analyzed : 02/18/20 13:18
Sample Matrix : SOIL	Date Extracted : 02/17/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 13200218a-04	Analyst : KB
Sample Amount : 15.82 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0362	0.003	U
11104-28-2	Aroclor 1221	ND	0.0362	0.004	U
11141-16-5	Aroclor 1232	ND	0.0362	0.008	U
53469-21-9	Aroclor 1242	ND	0.0362	0.005	U
12672-29-6	Aroclor 1248	ND	0.0362	0.005	U
37324-23-5	Aroclor 1262	ND	0.0362	0.005	U
11100-14-4	Aroclor 1268	ND	0.0362	0.004	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : WG1341307-5 Client ID : E-191-0.5-1.0DUP Sample Location : Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200218a-04 Sample Amount : 15.82 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2006870 Project Number : 277710568.0008.06 Date Collected : 02/14/20 09:55 Date Received : 02/14/20 Date Analyzed : 02/18/20 13:18 Date Extracted : 02/17/20 Dilution Factor : 1 Analyst : KB Instrument ID : PEST13 GC Column : CLP-PesticideII %Solids : 87 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.170	0.0362	0.004	
11096-82-5	Aroclor 1260	0.139	0.0362	0.007	
1336-36-3	PCBs, Total	0.309	0.0362	0.003	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1341993-1	Date Collected : NA
Client ID : WG1341993-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/19/20 12:01
Sample Matrix : WATER	Date Extracted : 02/18/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200219a-16	Analyst : AWS
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1341307-1	Lab File ID : 13200218a-19
Matrix : SOIL	Extraction Date : 02/17/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/18/20 16:21	Analysis Date (2) : 02/18/20 16:21
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
E-191-0.5-1.0	L2006870-01	02/18/20 12:53	02/18/20 12:53
E-191-0.5-1.0MS	WG1341307-4	02/18/20 13:05	02/18/20 13:05
E-191-0.5-1.0DUP	WG1341307-5	02/18/20 13:18	02/18/20 13:18
E-192-0.5-1.0	L2006870-02	02/18/20 13:30	02/18/20 13:30
E-198-0.5-1.0	L2006870-06	02/18/20 14:19	02/18/20 14:19
E-198-3.0-3.5	L2006870-08	02/18/20 14:31	02/18/20 14:31
X-7-02142020	L2006870-10	02/18/20 14:55	02/18/20 14:55
WG1341307-2LCS	WG1341307-2	02/18/20 16:33	02/18/20 16:33
WG1341307-3LCSD	WG1341307-3	02/18/20 16:45	02/18/20 16:45
E-197-0.5-1.0	L2006870-03D	02/19/20 12:58	02/19/20 12:58
E-190-0.5-1.0	L2006870-09D	02/19/20 13:05	02/19/20 13:05
E-199-2.0-2.5	L2006870-05D	02/19/20 13:12	02/19/20 13:12
E-199-0.5-1.0	L2006870-04D	02/19/20 13:19	02/19/20 13:19



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1341993-1	Lab File ID : P2200219a-16
Matrix : WATER	Extraction Date : 02/18/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/19/20 12:01	Analysis Date (2) : 02/19/20 12:01
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1341993-2LCS	WG1341993-2	02/19/20 12:14	02/19/20 12:14
WG1341993-3LCSD	WG1341993-3	02/19/20 12:28	02/19/20 12:28
EB-7-02142020	L2006870-11	02/19/20 16:32	02/19/20 16:32



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Instrument ID : PEST2 Calibration dates : 08/06/19 03:29 08/06/19 07:39	Lab Number : L2006870 Project Number : 277710568.0008.06 Ical Ref : ICAL16010
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Calibration Files

1 =P2190806LVIIi-17.d 2 =P2190806LVIIi-03.d 3 =P2190806LVIIi-04.d 4 =P2190806LVIIi-08.d
 5 =P2190806LVIIi-06.d 6 =P2190806LVIIi-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09	

Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.008	1.056	1.128	1.166	1.076	1.175	1.101	5.98
3) s Decachlorobip	0.843	0.811	0.866	0.872	0.822	0.885	0.850	3.47
4) 11 1016-1	0.020	0.019	0.019	0.018	0.016	0.017	0.018	9.50
5) 11 1016-2	0.045	0.042	0.042	0.040	0.035	0.038	0.040	9.15
6) 11 1016-3	0.084	0.083	0.088	0.089	0.082	0.087	0.086	3.55
7) 11 1016-4	0.037	0.037	0.037	0.036	0.033	0.035	0.036	4.48
8) 11 1016-5	0.039	0.039	0.040	0.039	0.037	0.040	0.039	3.28
9) 12 1260-1	0.060	0.057	0.059	0.059	0.055	0.059	0.058	3.19
10) 12 1260-2	0.087	0.085	0.088	0.089	0.083	0.089	0.087	2.80
11) 12 1260-3	0.058	0.054	0.057	0.057	0.053	0.057	0.056	3.34
12) 12 1260-4	0.118	0.118	0.126	0.133	0.118	0.133	0.124	5.92
13) 12 1260-5	0.080	0.081	0.084	0.086	0.081	0.089	0.083	4.14
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.012	0.012	0.011	0.011	0.010	0.010	0.011	8.71
16) 13 1221-3	0.008	0.007	0.007	0.007	0.006	0.006	0.007	11.17
17) 13 1221-4	0.031	0.028	0.026	0.027	0.024	0.021	0.026	13.29
18) 14 1254-1	0.047	0.042	0.041	0.044	0.041	0.039	0.042	7.30
19) 14 1254-2	0.079	0.072	0.070	0.077	0.071	0.068	0.073	5.87
20) 14 1254-3	0.073	0.070	0.069	0.077	0.071	0.068	0.071	4.46
21) 14 1254-4	0.054	0.052	0.051	0.057	0.054	0.053	0.054	4.12
22) 14 1254-5	0.076	0.074	0.073	0.081	0.076	0.074	0.076	3.75
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.017	0.015	0.015	0.014	0.013	0.012	0.015	11.59
25) 16 1242-2	0.039	0.035	0.034	0.031	0.030	0.028	0.033	11.49
26) 16 1242-3	0.071	0.068	0.069	0.068	0.068	0.066	0.068	2.28
27) 16 1242-4	0.036	0.033	0.033	0.032	0.030	0.030	0.032	7.35
28) 16 1242-5	0.022	0.022	0.022	0.022	0.021	0.022	0.022	1.06
29) 19 1268-1	0.159	0.149	0.155	0.156	0.153	0.147	0.153	2.94
30) 19 1268-2	0.160	0.153	0.163	0.164	0.162	0.158	0.160	2.47
31) 19 1268-3	0.103	0.097	0.102	0.103	0.104	0.101	0.102	2.38
32) 19 1268-4	0.048	0.047	0.048	0.049	0.049	0.050	0.049	1.80
33) 19 1268-5	0.283	0.286	0.299	0.303	0.295	0.280	0.291	3.20
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.027	0.027	0.027	0.028	0.026	0.027	0.027	1.53
36) 17 1248-2	0.042	0.041	0.037	0.039	0.037	0.037	0.039	5.36



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006870
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST13	Ical Ref	: ICAL16298
Calibration dates	: 11/14/19 02:11 11/14/19 13:09		

Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.063	0.061	0.060	0.059	0.057	0.057	0.060	4.17
38) 17 1248-4	0.046	0.049	0.049	0.052	0.050	0.051	0.050	3.90
39) 17 1248-5	0.047	0.050	0.046	0.047	0.045	0.045	0.047	3.61
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.022	0.021	0.020	0.019	0.017	0.017	0.019	10.32
42) 15 1232-2	0.022	0.020	0.019	0.018	0.017	0.017	0.019	10.86
43) 15 1232-3	0.038	0.039	0.039	0.038	0.038	0.039	0.039	0.99
44) 15 1232-4	0.017	0.018	0.017	0.016	0.015	0.016	0.017	5.41
45) 15 1232-5	0.010	0.011	0.011	0.011	0.011	0.012	0.011	4.58
46) 18 1262-1	0.055	0.054	0.054	0.054	0.054	0.055	0.054	1.12
47) 18 1262-2	0.070	0.069	0.070	0.069	0.069	0.070	0.069	0.80
48) 18 1262-3	0.061	0.060	0.062	0.062	0.062	0.063	0.062	1.70
49) 18 1262-4	0.118	0.115	0.118	0.120	0.118	0.118	0.118	1.36
50) 18 1262-5	0.034	0.037	0.038	0.038	0.038	0.040	0.038	5.27



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09	

Signal #2 Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.923	1.003	1.045	1.067	0.995	1.068	1.017	5.47
3) s Decachlorobip	0.540	0.533	0.546	0.545	0.513	0.558	0.539	2.83
4) 11 1016-1	0.018	0.017	0.017	0.016	0.015	0.015	0.017	7.66
5) 11 1016-2	0.041	0.040	0.039	0.037	0.034	0.035	0.038	7.57
6) 11 1016-3	0.078	0.077	0.079	0.078	0.072	0.075	0.076	3.61
7) 11 1016-4	0.025	0.028	0.029	0.028	0.026	0.028	0.027	6.03
8) 11 1016-5	0.024	0.024	0.024	0.024	0.022	0.024	0.024	3.27
9) 12 1260-1	0.046	0.045	0.045	0.045	0.042	0.045	0.045	3.40
10) 12 1260-2	0.052	0.053	0.054	0.053	0.049	0.053	0.052	3.15
11) 12 1260-3	0.040	0.042	0.043	0.043	0.040	0.043	0.042	3.62
12) 12 1260-4	0.080	0.085	0.088	0.089	0.083	0.089	0.086	4.40
13) 12 1260-5	0.054	0.055	0.057	0.057	0.054	0.059	0.056	3.83
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.011	0.011	0.010	0.010	0.009	0.009	0.010	7.69
16) 13 1221-3	0.007	0.007	0.006	0.006	0.006	0.005	0.006	9.99
17) 13 1221-4	0.027	0.025	0.023	0.023	0.021	0.019	0.023	11.22
18) 14 1254-1	0.042	0.038	0.037	0.038	0.036	0.035	0.037	6.54
19) 14 1254-2	0.057	0.044	0.041	0.043	0.040	0.038	0.044	15.19
20) 14 1254-3	0.058	0.062	0.055	0.058	0.054	0.052	0.057	6.04
21) 14 1254-4	0.043	0.042	0.041	0.043	0.040	0.039	0.041	3.63
22) 14 1254-5	0.059	0.058	0.056	0.059	0.056	0.055	0.057	3.31
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.015	0.014	0.014	0.013	0.012	0.011	0.013	10.58
25) 16 1242-2	0.033	0.032	0.031	0.029	0.028	0.026	0.030	9.84
26) 16 1242-3	0.067	0.062	0.062	0.059	0.058	0.055	0.060	6.37
27) 16 1242-4	0.021	0.020	0.020	0.018	0.019	0.018	0.019	6.57
28) 16 1242-5	0.020	0.019	0.019	0.018	0.018	0.017	0.018	5.35
29) 19 1268-1	0.109	0.104	0.107	0.103	0.104	0.099	0.104	3.52
30) 19 1268-2	0.110	0.108	0.112	0.109	0.111	0.105	0.109	2.15
31) 19 1268-3	0.070	0.067	0.069	0.068	0.070	0.067	0.068	1.97
32) 19 1268-4	0.033	0.031	0.031	0.031	0.032	0.031	0.032	2.45
33) 19 1268-5	0.182	0.180	0.189	0.185	0.188	0.176	0.183	2.75
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.024	0.024	0.024	0.024	0.023	0.023	0.024	2.05
36) 17 1248-2	0.032	0.031	0.030	0.029	0.028	0.028	0.030	4.82



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16298
Calibration dates : 11/14/19 02:11 11/14/19 13:09	

Signal #2 Calibration Files

1 =13191114ical-39.d 2 =13191114ical-40.d 3 =13191114ical-41.d 4 =13191114ical-42.d
 5 =13191114ical-43.d 6 =13191114ical-44.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.037	0.037	0.036	0.036	0.035	0.035	0.036	2.53
38) 17 1248-4	0.040	0.041	0.040	0.040	0.039	0.039	0.040	1.71
39) 17 1248-5	0.046	0.046	0.044	0.044	0.044	0.044	0.045	2.11
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.019	0.019	0.018	0.017	0.015	0.015	0.017	10.01
42) 15 1232-2	0.017	0.019	0.018	0.017	0.016	0.016	0.017	7.40
43) 15 1232-3	0.036	0.035	0.034	0.034	0.033	0.032	0.034	3.79
44) 15 1232-4	0.010	0.010	0.010	0.010	0.010	0.010	0.010	3.94
45) 15 1232-5	0.009	0.010	0.009	0.009	0.009	0.009	0.009	3.17
46) 18 1262-1	0.036	0.037	0.036	0.035	0.034	0.035	0.036	3.06
47) 18 1262-2	0.050	0.053	0.052	0.048	0.047	0.048	0.050	4.51
48) 18 1262-3	0.045	0.047	0.046	0.045	0.044	0.044	0.045	2.72
49) 18 1262-4	0.081	0.086	0.086	0.085	0.083	0.082	0.084	2.61
50) 18 1262-5	0.024	0.026	0.027	0.027	0.027	0.028	0.027	4.38



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.580	1.358	1.329	1.239	1.126	1.195	1.305	12.25
3) s Decachlorobiphenyl	1.366	1.092	1.055	0.972	0.874	0.920	1.047	16.84
4) 11 1016-1	0.030	0.027	0.026	0.023	0.020	0.021	0.025	15.05
5) 11 1016-2	0.063	0.058	0.056	0.049	0.043	0.045	0.052	14.74
6) 11 1016-3	0.132	0.115	0.110	0.100	0.090	0.094	0.107	14.46
7) 11 1016-4	0.058	0.050	0.047	0.042	0.037	0.038	0.045	17.00
8) 11 1016-5	0.057	0.052	0.050	0.045	0.039	0.040	0.047	14.50
9) 12 1260-1	0.082	0.071	0.068	0.061	0.055	0.057	0.066	15.59
10) 12 1260-2	0.123	0.106	0.102	0.092	0.084	0.087	0.099	14.62
11) 12 1260-3	0.078	0.071	0.066	0.060	0.054	0.058	0.064	14.14
12) 12 1260-4	0.160	0.144	0.139	0.128	0.118	0.124	0.136	11.47
13) 12 1260-5	0.093	0.111	0.107	0.097	0.089	0.091	0.098	9.07
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.020	0.017	0.015	0.015	0.013	0.012	0.015	17.65
16) 13 1221-3	0.011	0.011	0.010	0.010	0.008	0.008	0.010	13.69
17) 13 1221-4	0.042	0.038	0.034	0.033	0.029	0.027	0.034	16.48
18) 14 1254-1	0.062	0.055	0.049	0.047	0.042	0.040	0.049	16.73
19) 14 1254-2	0.106	0.096	0.086	0.083	0.073	0.071	0.086	15.76
20) 14 1254-3	0.110	0.090	0.082	0.080	0.072	0.070	0.084	17.30
21) 14 1254-4	0.083	0.072	0.065	0.063	0.057	0.055	0.066	15.49
22) 14 1254-5	0.118	0.101	0.092	0.089	0.079	0.077	0.093	16.35
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.025	0.022	0.021	0.018	0.017	0.015	0.020	18.24
25) 16 1242-2	0.055	0.048	0.044	0.039	0.036	0.033	0.042	18.86
26) 16 1242-3	0.111	0.093	0.087	0.077	0.075	0.070	0.086	17.57
27) 16 1242-4	0.050	0.043	0.041	0.037	0.035	0.031	0.039	16.54
28) 16 1242-5	0.037	0.031	0.030	0.026	0.025	0.023	0.029	17.46
29) 19 1268-1	0.229	0.190	0.181	0.166	0.163	0.151	0.180	15.35
30) 19 1268-2	0.231	0.194	0.186	0.168	0.166	0.153	0.183	15.09
31) 19 1268-3	0.160	0.133	0.126	0.115	0.113	0.105	0.125	15.67
32) 19 1268-4	0.089	0.068	0.065	0.059	0.057	0.053	0.065	19.71
33) 19 1268-5	0.421	0.356	0.348	0.321	0.319	0.290	0.343	13.13
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.043	0.039	0.036	0.033	0.030	0.029	0.035	16.12
36) 17 1248-2	0.049	0.048	0.044	0.039	0.036	0.034	0.042	14.96



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.078	0.073	0.065	0.060	0.058	0.070	16.34
38) 17 1248-4	0.071	0.067	0.061	0.057	0.052	0.050	0.060	13.60
39) 17 1248-5	0.062	0.061	0.055	0.049	0.046	0.044	0.053	14.64
40) i 3262_1br2nb	----- ISTD -----							
41) 15 1232-1	0.030	0.029	0.027	0.024	0.022	0.021	0.025	15.00
42) 15 1232-2	0.028	0.028	0.026	0.023	0.021	0.020	0.024	13.93
43) 15 1232-3	0.059	0.055	0.052	0.046	0.044	0.043	0.050	12.96
44) 15 1232-4	0.024	0.024	0.022	0.020	0.019	0.018	0.021	11.43
45) 15 1232-5	0.016	0.018	0.016	0.014	0.014	0.013	0.015	12.09
46) 18 1262-1	0.081	0.072	0.069	0.061	0.059	0.056	0.066	14.22
47) 18 1262-2	0.107	0.090	0.084	0.074	0.072	0.068	0.083	17.55
48) 18 1262-3	0.087	0.080	0.077	0.069	0.068	0.064	0.074	11.54
49) 18 1262-4	0.169	0.150	0.144	0.133	0.131	0.125	0.142	11.28
50) 18 1262-5	0.060	0.057	0.054	0.049	0.047	0.044	0.052	11.69



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.481	1.319	1.295	1.217	1.125	1.224	1.277	9.48
3) s Decachlorobip	1.275	1.122	1.094	1.019	0.936	1.017	1.077	10.84
4) 11 1016-1	0.028	0.025	0.025	0.022	0.020	0.021	0.023	13.02
5) 11 1016-2	0.056	0.057	0.056	0.048	0.043	0.045	0.051	11.93
6) 11 1016-3	0.116	0.106	0.108	0.098	0.089	0.096	0.102	9.45
7) 11 1016-4	0.046	0.044	0.045	0.039	0.034	0.036	0.041	11.95
8) 11 1016-5	0.036	0.036	0.035	0.032	0.028	0.030	0.033	10.17
9) 12 1260-1	0.075	0.071	0.070	0.065	0.059	0.063	0.067	9.23
10) 12 1260-2	0.090	0.082	0.082	0.076	0.069	0.074	0.079	9.36
11) 12 1260-3	0.075	0.074	0.072	0.066	0.061	0.065	0.069	8.28
12) 12 1260-4	0.167	0.150	0.147	0.138	0.128	0.139	0.145	9.27
13) 12 1260-5	0.113	0.106	0.104	0.097	0.088	0.095	0.101	8.80
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.016	0.014	0.014	0.012	0.011	0.014	11.49
16) 13 1221-3	0.009	0.010	0.009	0.009	0.008	0.007	0.009	11.04
17) 13 1221-4	0.034	0.035	0.032	0.033	0.029	0.027	0.031	10.09
18) 14 1254-1	0.064	0.056	0.053	0.052	0.047	0.045	0.053	12.85
19) 14 1254-2	0.071	0.066	0.062	0.060	0.054	0.051	0.061	12.28
20) 14 1254-3	0.103	0.088	0.081	0.082	0.074	0.072	0.083	13.26
21) 14 1254-4	0.074	0.065	0.060	0.060	0.054	0.052	0.061	12.82
22) 14 1254-5	0.116	0.099	0.091	0.092	0.082	0.079	0.093	14.34
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.021	0.019	0.017	0.016	0.015	0.018	12.72
25) 16 1242-2	0.048	0.044	0.042	0.039	0.035	0.033	0.040	13.60
26) 16 1242-3	0.098	0.087	0.083	0.076	0.072	0.069	0.081	13.09
27) 16 1242-4	0.031	0.029	0.028	0.026	0.024	0.023	0.027	11.68
28) 16 1242-5	0.032	0.031	0.029	0.026	0.024	0.023	0.028	13.65
29) 19 1268-1	0.223	0.199	0.188	0.180	0.173	0.166	0.188	10.92
30) 19 1268-2	0.221	0.216	0.191	0.181	0.175	0.167	0.192	11.50
31) 19 1268-3	0.155	0.135	0.129	0.123	0.119	0.114	0.129	11.34
32) 19 1268-4	0.076	0.071	0.067	0.063	0.059	0.057	0.065	10.84
33) 19 1268-5	0.427	0.373	0.365	0.355	0.344	0.324	0.365	9.61
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.034	0.032	0.029	0.029	0.033	12.92
36) 17 1248-2	0.047	0.044	0.041	0.038	0.036	0.034	0.040	12.71



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.056	0.052	0.049	0.045	0.044	0.051	10.97
38) 17 1248-4	0.061	0.063	0.058	0.054	0.051	0.050	0.056	9.27
39) 17 1248-5	0.069	0.070	0.064	0.060	0.057	0.056	0.063	9.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.027	0.025	0.023	0.021	0.021	0.024	13.92
42) 15 1232-2	0.030	0.026	0.026	0.023	0.022	0.021	0.024	13.66
43) 15 1232-3	0.052	0.051	0.048	0.044	0.042	0.041	0.046	10.00
44) 15 1232-4	0.015	0.015	0.015	0.014	0.014	0.013	0.014	7.89
45) 15 1232-5	0.016	0.015	0.015	0.014	0.014	0.013	0.014	8.16
46) 18 1262-1	0.060	0.060	0.058	0.053	0.053	0.050	0.055	7.71
47) 18 1262-2	0.090	0.087	0.082	0.075	0.074	0.071	0.080	9.98
48) 18 1262-3	0.082	0.080	0.080	0.072	0.072	0.068	0.076	7.32
49) 18 1262-4	0.160	0.150	0.149	0.138	0.138	0.132	0.144	6.99
50) 18 1262-5	0.058	0.059	0.054	0.050	0.048	0.047	0.053	10.11



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 02/18/20 07:35
Lab File ID : 13200218a-01	Init. Calib. Date(s) : 11/14/19 11/14/19
Sample No : WG1341757-1	Init. Calib. Times : 02:11 13:09
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	104	0
2,4,5,6-Tetrachloro-m-xylene	160	162.213	-	-1.4	20	100	0
Decachlorobiphenyl	320	297.295	-	7.1	20	94	0
1016-1	2500	2255.134	-	9.8	20	94	0
1016-2	2500	2498.14	-	0.1	20	105	0
1016-3	2500	2512.35	-	-0.5	20	101	0
1016-4	2500	2389.391	-	4.4	20	99	0
1016-5	2500	2349.91	-	6	20	97	0
1260-1	2500	2394.612	-	4.2	20	98	0
1260-2	2500	2574.612	-	-3	20	105	0
1260-3	2500	2099.017	-	16	20	86	0
1260-4	2500	1985.775	-	20.6*	20	77	0
1260-5	2500	2267.387	-	9.3	20	92	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 02/18/20 07:35
Lab File ID : 13200218a-01	Init. Calib. Date(s) : 11/14/19 11/14/19
Sample No : WG1341757-1	Init. Calib. Times : 02:11 13:09
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	149	0
2,4,5,6-Tetrachloro-m-xylene	160	176.922	-	-10.6	20	157	0
Decachlorobiphenyl #2	320	363.093	-	-13.5	20	167	0
1016-1 #2	2500	2553.275	-	-2.1	20	153	0
1016-2 #2	2500	2790.953	-	-11.6	20	168	0
1016-3 #2	2500	2885.107	-	-15.4	20	168	0
1016-4 #2	2500	3005.859	-	-20.2*	20	172	0
1016-5 #2	2500	2885.393	-	-15.4	20	169	0
1260-1 #2	2500	3281.876	-	-31.3*	20	194	0
1260-2 #2	2500	2535.914	-	-1.4	20	148	0
1260-3 #2	2500	2941.446	-	-17.7	20	171	0
1260-4 #2	2500	2852.521	-	-14.1	20	163	0
1260-5 #2	2500	2839.883	-	-13.6	20	165	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/19/20 07:38
Lab File ID : P2200219a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1342194-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	133	0
2,4,5,6-Tetrachloro-m-xylene	16	15.573	-	2.7	20	131	0
Decachlorobiphenyl	32	29.838	-	6.8	20	131	0
1016-1	250	254.453	-	-1.8	20	141	0
1016-2	250	233.997	-	6.4	20	126	0
1016-3	250	223.78	-	10.5	20	128	0
1016-4	250	247.576	-	1	20	134	0
1016-5	250	258.71	-	-3.5	20	139	0
1260-1	250	230.263	-	7.9	20	128	0
1260-2	250	243.364	-	2.7	20	134	0
1260-3	250	241.599	-	3.4	20	135	0
1260-4	250	240.069	-	4	20	133	0
1260-5	250	227.123	-	9.2	20	134	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/19/20 07:38
Lab File ID : P2200219a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1342194-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	109	0
2,4,5,6-Tetrachloro-m-xylene	16	16.454	-	-2.8	20	118	0
Decachlorobiphenyl #2	32	35.026	-	-9.5	20	131	.02
1016-1 #2	250	254.786	-	-1.9	20	119	0
1016-2 #2	250	262.46	-	-5	20	121	0
1016-3 #2	250	252.401	-	-1	20	117	0
1016-4 #2	250	261.404	-	-4.6	20	117	0
1016-5 #2	250	246.684	-	1.3	20	114	0
1260-1 #2	250	269.011	-	-7.6	20	132	0
1260-2 #2	250	267.519	-	-7	20	129	0
1260-3 #2	250	265.515	-	-6.2	20	127	0
1260-4 #2	250	262.512	-	-5	20	124	0
1260-5 #2	250	238.481	-	4.6	20	119	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/19/20 09:47
Lab File ID : 19200219a-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1342243-1	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	64	0
2,4,5,6-Tetrachloro-m-xylene	160	169.312	-	-5.8	20	72	0
Decachlorobiphenyl	320	298.27	-	6.8	20	65	0
1016-1	2500	2546.719	-	-1.9	20	69	0
1016-2	2500	2564.063	-	-2.6	20	70	0
1016-3	2500	2611.464	-	-4.5	20	72	0
1016-4	2500	2542.093	-	-1.7	20	70	0
1016-5	2500	2603.998	-	-4.2	20	70	0
1260-1	2500	2514.128	-	-0.6	20	70	0
1260-2	2500	2541.601	-	-1.7	20	70	0
1260-3	2500	2567.14	-	-2.7	20	71	0
1260-4	2500	2587.594	-	-3.5	20	70	0
1260-5	2500	2550.624	-	-2	20	66	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/19/20 09:47
Lab File ID : 19200219a-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1342243-1	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	102	0
2,4,5,6-Tetrachloro-m-xylene	160	161.841	-	-1.2	20	108	0
Decachlorobiphenyl #2	320	318.525	-	0.5	20	107	0
1016-1 #2	2500	2559.243	-	-2.4	20	109	0
1016-2 #2	2500	2563.757	-	-2.6	20	111	0
1016-3 #2	2500	2582.705	-	-3.3	20	109	0
1016-4 #2	2500	2543.876	-	-1.8	20	109	0
1016-5 #2	2500	2551.931	-	-2.1	20	107	0
1260-1 #2	2500	2377.338	-	4.9	20	100	0
1260-2 #2	2500	2477.762	-	0.9	20	105	0
1260-3 #2	2500	2471.693	-	1.1	20	104	0
1260-4 #2	2500	2436.227	-	2.6	20	104	0
1260-5 #2	2500	2389.296	-	4.4	20	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/19/20 14:16
Lab File ID : P2200219a-26	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1342194-5	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	136	.01
2,4,5,6-Tetrachloro-m-xylene	16	15.471	-	3.3	20	132	.01
Decachlorobiphenyl	32	25.387	-	20.7*	20	114	0
1016-1	250	247.613	-	1	20	140	.01
1016-2	250	246.516	-	1.4	20	135	.01
1016-3	250	240.065	-	4	20	139	.02
1016-4	250	257.176	-	-2.9	20	141	.01
1016-5	250	259.965	-	-4	20	142	.02
1260-1	250	229.798	-	8.1	20	130	.01
1260-2	250	236.988	-	5.2	20	132	.01
1260-3	250	219.983	-	12	20	125	.01
1260-4	250	224.19	-	10.3	20	126	0
1260-5	250	208.077	-	16.8	20	125	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/19/20 14:16
Lab File ID : P2200219a-26	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1342194-5	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	111	.01
2,4,5,6-Tetrachloro-m-xylen	16	16.189	-	-1.2	20	118	.01
Decachlorobiphenyl #2	32	31.002	-	3.1	20	118	.01
1016-1 #2	250	250.061	-	-0	20	118	.02
1016-2 #2	250	256.555	-	-2.6	20	120	.02
1016-3 #2	250	248.308	-	0.7	20	116	.01
1016-4 #2	250	256.403	-	-2.6	20	116	.02
1016-5 #2	250	244.743	-	2.1	20	115	.01
1260-1 #2	250	256.322	-	-2.5	20	128	.01
1260-2 #2	250	251.594	-	-0.6	20	124	.01
1260-3 #2	250	246.493	-	1.4	20	119	.01
1260-4 #2	250	243.495	-	2.6	20	117	.01
1260-5 #2	250	225.202	-	9.9	20	114	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006870
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1258780-12	11/20/19 11:11
1242/1268 L2	R1258780-13	11/20/19 11:18
1242/1268 L3	R1258780-14	11/20/19 11:25
1242/1268 L4	R1258780-15	11/20/19 11:32
1242/1268 L5	R1258780-16	11/20/19 11:39
1242/1268 L6	R1258780-17	11/20/19 11:46
1232/1262 L1	R1258780-18	11/20/19 11:53
1232/1262 L2	R1258780-21	11/20/19 12:00
1232/1262 L3	R1258780-19	11/20/19 12:07
1232/1262 L4	R1258780-20	11/20/19 12:13
1232/1262 L5	R1258780-22	11/20/19 12:20
1232/1262 L6	R1258780-23	11/20/19 12:27
1221/1254 L1	R1258780-24	11/20/19 12:34
1221/1254 L2	R1258780-25	11/20/19 12:41
1221/1254 L3	R1258780-28	11/20/19 12:48
1221/1254 L4	R1258780-27	11/20/19 12:55
1221/1254 L5	R1258780-26	11/20/19 13:02
1221/1254 L6	R1258780-30	11/20/19 13:08
1016/1260 L1	R1258780-29	11/20/19 13:15
1016/1260 L2	R1258780-31	11/20/19 13:22
1016/1260 L3	R1258780-33	11/20/19 13:29
1016/1260 L4	R1258780-32	11/20/19 13:36
1016/1260 L5	R1258780-34	11/20/19 13:43
1016/1260 L6	R1258780-35	11/20/19 13:50
1248 L1	R1258780-1	11/20/19 13:57
1248 L2	R1258780-2	11/20/19 14:04
1248 L3	R1258780-3	11/20/19 14:11
1248 L4	R1258780-4	11/20/19 14:17
1248 L5	R1258780-5	11/20/19 14:24
1248 L6	R1258780-8	11/20/19 14:31
R1258780-7 ICV	R1258780-7	11/20/19 14:38
R1258780-6 ICV	R1258780-6	11/20/19 14:45
R1258780-10 ICV	R1258780-10	11/20/19 14:52
R1258780-9 ICV	R1258780-9	11/20/19 14:59
R1258780-11 ICV	R1258780-11	11/22/19 16:02
WG1342243-1 CCAL	WG1342243-1	02/19/20 09:47
E-198-2.0-2.5	L2006870-07	02/19/20 12:30
E-197-0.5-1.0	L2006870-03 D	02/19/20 12:58
E-190-0.5-1.0	L2006870-09 D	02/19/20 13:05
E-199-2.0-2.5	L2006870-05 D	02/19/20 13:12
E-199-0.5-1.0	L2006870-04 D	02/19/20 13:19



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2006870
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1342194-1 CCAL	WG1342194-1	02/19/20 07:38
WG1341993-1 BLANK	WG1341993-1	02/19/20 12:01
WG1341993-2 LCS	WG1341993-2	02/19/20 12:14
WG1341993-3 LCSD	WG1341993-3	02/19/20 12:28
WG1342194-5 CCAL	WG1342194-5	02/19/20 14:16
EB-7-02142020	L2006870-11	02/19/20 16:32



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006870
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST13 **Initial Calib. Date(s)** : 11/14/19 11/14/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1254379-1	11/14/19 02:11
1242/1268 L2	R1254379-2	11/14/19 02:23
1242/1268 L3	R1254379-3	11/14/19 02:35
1242/1268 L4	R1254379-4	11/14/19 02:48
1242/1268 L5	R1254379-5	11/14/19 03:00
1242/1268 L6	R1254379-7	11/14/19 03:12
1332/1262 L1	R1254379-6	11/14/19 03:24
1332/1262 L2	R1254379-9	11/14/19 03:36
1332/1262 L3	R1254379-8	11/14/19 03:49
1332/1262 L4	R1254379-10	11/14/19 04:01
1332/1262 L5	R1254379-11	11/14/19 04:13
1332/1262 L6	R1254379-13	11/14/19 04:25
1248 L1	R1254379-12	11/14/19 04:37
1248 L2	R1254379-14	11/14/19 04:49
1248 L3	R1254379-15	11/14/19 05:01
1248 L4	R1254379-16	11/14/19 05:13
1248 L5	R1254379-17	11/14/19 05:26
1248 L6	R1254379-18	11/14/19 05:38
1221/1254 L1	R1254379-19	11/14/19 05:50
1221/1254 L2	R1254379-20	11/14/19 06:02
1221/1254 L3	R1254379-21	11/14/19 06:14
1221/1254 L4	R1254379-23	11/14/19 06:26
1221/1254 L5	R1254379-24	11/14/19 06:38
1221/1254 L6	R1254379-22	11/14/19 06:51
R1254379-25 ICV	R1254379-25	11/14/19 08:16
R1254379-27 ICV	R1254379-27	11/14/19 08:40
1016/1260 L1	R1254379-26	11/14/19 12:08
1016/1260 L2	R1254379-28	11/14/19 12:20
1016/1260 L3	R1254379-29	11/14/19 12:33
1016/1260 L4	R1254379-30	11/14/19 12:45
1016/1260 L5	R1254379-31	11/14/19 12:57
1016/1260 L6	R1254379-32	11/14/19 13:09
R1254379-34 ICV	R1254379-34	11/14/19 13:21
R1254379-33 ICV	R1254379-33	11/14/19 15:32
R1254379-35 ICV	R1254379-35	11/14/19 15:45
WG1341757-1 CCAL	WG1341757-1	02/18/20 07:35
E-191-0.5-1.0	L2006870-01	02/18/20 12:53
E-191-0.5-1.0 MS	WG1341307-4	02/18/20 13:05
E-191-0.5-1.0 DUP	WG1341307-5	02/18/20 13:18
E-192-0.5-1.0	L2006870-02	02/18/20 13:30
E-198-0.5-1.0	L2006870-06	02/18/20 14:19
E-198-3.0-3.5	L2006870-08	02/18/20 14:31



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2006870
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST13 **Initial Calib. Date(s)** : 11/14/19 11/14/19

Client ID	Lab ID	Date/Time Analyzed
X-7-02142020	L2006870-10	02/18/20 14:55
WG1341307-1 BLANK	WG1341307-1	02/18/20 16:21
WG1341307-2 LCS	WG1341307-2	02/18/20 16:33
WG1341307-3 LCSD	WG1341307-3	02/18/20 16:45



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2006870
 Project Number: 277710568.0008.06
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	DCB 1 %REC	DCB 2 %REC	TCX 1 %REC	TCX 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-7-02142020 (L2006870-11)	31	37	41	42			0
WG1341993-1BLANK	54	67	58	58			0
WG1341993-2LCS	59	71	63	61			0
WG1341993-3LCSD	51	62	53	52			0

QC LIMITS

(30-150) DCBP = DECACHLOROBIPHENYL

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2006870
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	DCB 1 %REC	DCB 2 %REC	TCX 1 %REC	TCX 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-191-0.5-1.0 (L2006870-01)	57	99	62	67			0
E-192-0.5-1.0 (L2006870-02)	76	119	55	57			0
E-197-0.5-1.0 (L2006870-03D)	51	67	52	53			0
E-199-0.5-1.0 (L2006870-04D)	0*	0*	0*	0*			4
E-199-2.0-2.5 (L2006870-05D)	0*	0*	0*	0*			4
E-198-0.5-1.0 (L2006870-06)	61	97	75	81			0
E-198-2.0-2.5 (L2006870-07)	66	65	73	73			0
E-198-3.0-3.5 (L2006870-08)	59	83	79	87			0
E-190-0.5-1.0 (L2006870-09D)	29*	75	62	58			1
X-7-02142020 (L2006870-10)	50	76	61	67			0
WG1341307-1BLANK	65	87	80	87			0
WG1341307-2LCS	60	79	79	85			0
WG1341307-3LCSD	59	78	76	83			0
E-191-0.5-1.0MS	66	115	52	54			0
E-191-0.5-1.0DUP	74	118	66	67			0

QC LIMITS

(30-150) DCBP = DECACHLOROBIPHENYL
 (30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

**Lab Duplicate Sample Summary
Form 3
PCBs**

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006870
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-191-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2006870-01	Analysis Date	: 02/18/20 12:53
Lab File ID	: 13200218a-02	DUP File ID	: 13200218a-04
Dup Sample ID	: WG1341307-5	DUP Analysis Date	: 02/18/20 13:18

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1254	0.334	0.170	65 Q	30
Aroclor 1260	0.203	0.139	37 Q	30
PCBs, Total	0.537	0.309	54 Q	30



**Lab Duplicate Sample Summary
Form 3
PCBs**

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006870
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-191-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2006870-01	Analysis Date	: 02/18/20 12:53
Lab File ID	: 13200218a-02	DUP File ID	: 13200218a-04
Dup Sample ID	: WG1341307-5	DUP Analysis Date	: 02/18/20 13:18

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1016	ND	ND	NC	30
Aroclor 1221	ND	ND	NC	30
Aroclor 1232	ND	ND	NC	30
Aroclor 1242	ND	ND	NC	30
Aroclor 1248	ND	ND	NC	30
Aroclor 1262	ND	ND	NC	30
Aroclor 1268	ND	ND	NC	30



**Laboratory Control Sample Summary
Form 3
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2006870
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1341307-2 Analysis Date : 02/18/20 16:33 File ID : 13200218a-20
 LCSD Sample ID : WG1341307-3 Analysis Date : 02/18/20 16:45 File ID : 13200218a-21

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.196	0.158	80	0.199	0.158	79	1	40-140	30
Aroclor 1260	0.196	0.132	67	0.199	0.134	67	0	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2006870
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : WATER
 LCS Sample ID : WG1341993-2 Analysis Date : 02/19/20 12:14 File ID : P2200219a-17
 LCSD Sample ID : WG1341993-3 Analysis Date : 02/19/20 12:28 File ID : P2200219a-18

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	1.12	63	1.78	0.961	54	15	40-140	20
Aroclor 1260	1.78	0.942	53	1.78	0.841	47	11	40-140	20



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Client Sample ID : E-191-0.5-1.0	Matrix : SOIL
Lab Sample ID : L2006870-01	Analysis Date : 02/18/20 12:53
Matrix Spike : WG1341307-4	MS Analysis Date : 02/18/20 13:05
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1016	ND	0.236	0.160	68					40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Client Sample ID : E-191-0.5-1.0	Matrix : SOIL
Lab Sample ID : L2006870-01	Analysis Date : 02/18/20 12:53
Matrix Spike : WG1341307-4	MS Analysis Date : 02/18/20 13:05
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1260	0.203	0.236	0.308	45					40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006870-01	
Client ID : E-191-0.5-1.0	
Date Analyzed (1) : 02/18/20 12:53	Date Analyzed (2) : 02/18/20 12:53
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD	
			From	To				
AROCOR 1254	1	4.21	-0.05	0.05	0.24			
	2	4.41	-0.05	0.05	0.206			
	COLUMN 1	3	4.71	-0.05	0.05	0.327		
		4	4.92	-0.05	0.05	0.154		
		5	0.00	-0.05	0.05	0.	0.232	
COLUMN 2	1	4.58	-0.05	0.05	0.332			
	2	4.73	-0.05	0.05	0.422			
	3	5.07	-0.05	0.05	0.397			
	4	5.24	-0.05	0.05	0.184			
	5	0.00	-0.05	0.05	0.	0.334	36	
AROCOR 1260	1	0.00	4.77	4.87	0.			
	2	0.00	4.98	5.08	0.			
	COLUMN 1	3	5.51	5.44	5.54	0.161		
		4	5.73	5.65	5.75	0.145		
		5	5.92	5.85	5.95	0.161	0.156	
COLUMN 2	1	0.00	5.15	5.25	0.			
	2	0.00	5.30	5.40	0.			
	3	5.89	5.83	5.93	0.168			
	4	6.06	5.99	6.09	0.215			
	5	6.31	6.24	6.34	0.227	0.203	26	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006870-02	
Client ID : E-192-0.5-1.0	
Date Analyzed (1) : 02/18/20 13:30	Date Analyzed (2) : 02/18/20 13:30
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.82	4.77	4.87	0.222		
	2	5.03	4.98	5.08	0.308		
COLUMN 1	3	5.49	5.44	5.54	0.252		
	4	5.70	5.65	5.75	0.334		
	5	5.90	5.85	5.95	0.387	0.3	
COLUMN 2	1	5.21	5.15	5.25	0.284		
	2	5.36	5.30	5.40	0.446		
	3	5.88	5.83	5.93	0.342		
	4	6.04	5.99	6.09	0.47		
	5	6.29	6.24	6.34	0.504	0.409	31



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006870-03D	
Client ID : E-197-0.5-1.0	
Date Analyzed (1) : 02/19/20 12:58	Date Analyzed (2) : 02/19/20 12:58
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.783		
	2	2.71	2.67	2.77	0.831		
COLUMN 1	3	3.05	3.01	3.11	0.8		
	4	3.22	3.18	3.28	0.882		
	5	3.38	3.34	3.44	1.	0.86	
COLUMN 2	1	2.95	2.91	3.01	0.691		
	2	3.07	3.02	3.12	0.791		
	3	3.49	3.44	3.54	0.724		
	4	3.63	3.58	3.68	0.837		
	5	3.84	3.79	3.89	0.865	0.782	10



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006870-04D	
Client ID : E-199-0.5-1.0	
Date Analyzed (1) : 02/19/20 13:19	Date Analyzed (2) : 02/19/20 13:19
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	30.3			
	2	2.71	2.67	2.77	37.7			
	COLUMN 1	3	3.05	3.01	3.11	37.1		
		4	3.22	3.18	3.28	39.9		
		5	3.38	3.34	3.44	41.2	37.2	
COLUMN 2	1	2.95	2.91	3.01	29.2			
	2	3.07	3.02	3.12	37.4			
	3	3.49	3.44	3.54	30.6			
	4	3.63	3.58	3.68	37.7			
	5	3.84	3.79	3.89	38.8	34.7	7	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006870-05D	
Client ID : E-199-2.0-2.5	
Date Analyzed (1) : 02/19/20 13:12	Date Analyzed (2) : 02/19/20 13:12
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	4.3		
	2	2.71	2.67	2.77	5.22		
COLUMN 1	3	3.05	3.01	3.11	4.43		
	4	3.22	3.18	3.28	5.06		
	5	3.38	3.34	3.44	5.42	4.89	
COLUMN 2	1	2.95	2.91	3.01	4.17		
	2	3.07	3.02	3.12	5.18		
	3	3.49	3.44	3.54	3.97		
	4	3.63	3.58	3.68	4.8		
	5	3.84	3.79	3.89	4.93	4.61	6



Identification Summary

Form 10

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2006870
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2006870-06		
Client ID	: E-198-0.5-1.0		
Date Analyzed (1)	: 02/18/20 14:19	Date Analyzed (2)	: 02/18/20 14:19
Instrument ID (1)	: PEST13	Instrument ID (2)	: PEST13
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.82	4.77	4.87	0.0315		
	2	5.03	4.98	5.08	0.0706		
COLUMN 1	3	5.49	5.44	5.54	0.0209		
	4	5.70	5.65	5.75	0.0383		
	5	5.90	5.85	5.95	0.0357	0.0394	
COLUMN 2	1	5.21	5.15	5.25	0.0446		
	2	5.36	5.30	5.40	0.0831		
	3	5.88	5.83	5.93	0.0354		
	4	6.04	5.99	6.09	0.0662		
	5	6.29	6.24	6.34	0.0551	0.0569	36



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006870-07	
Client ID : E-198-2.0-2.5	
Date Analyzed (1) : 02/19/20 12:30	Date Analyzed (2) : 02/19/20 12:30
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.00472		
	2	2.71	2.67	2.77	0.0121		
COLUMN 1	3	3.05	3.01	3.11	0.00688		
	4	3.22	3.18	3.28	0.00826		
	5	0.00	3.34	3.44	0.	0.00799J	
COLUMN 2	1	2.95	2.91	3.01	0.00611		
	2	3.07	3.02	3.12	0.0129		
	3	3.49	3.44	3.54	0.00515		
	4	3.63	3.58	3.68	0.0157		
	5	3.84	3.79	3.89	0.00647	0.00928J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006870-09D	
Client ID : E-190-0.5-1.0	
Date Analyzed (1) : 02/19/20 13:05	Date Analyzed (2) : 02/19/20 13:05
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	1.3		
	2	2.71	2.67	2.77	1.53		
COLUMN 1	3	3.05	3.01	3.11	1.41		
	4	3.22	3.18	3.28	1.51		
	5	3.38	3.34	3.44	1.64	1.48	
COLUMN 2	1	2.95	2.91	3.01	1.21		
	2	3.07	3.02	3.12	1.51		
	3	3.49	3.44	3.54	1.21		
	4	3.63	3.58	3.68	1.48		
	5	3.84	3.79	3.89	1.46	1.37	8



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2006870-10	
Client ID : X-7-02142020	
Date Analyzed (1) : 02/18/20 14:55	Date Analyzed (2) : 02/18/20 14:55
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.82	4.77	4.87	0.0263		
	2	5.03	4.98	5.08	0.0553		
COLUMN 1	3	5.49	5.44	5.54	0.0235		
	4	5.70	5.65	5.75	0.0374		
	5	5.90	5.85	5.95	0.0398	0.0364	
COLUMN 2	1	5.21	5.15	5.25	0.0335		
	2	5.36	5.30	5.40	0.0696		
	3	5.88	5.83	5.93	0.0295		
	4	6.04	5.99	6.09	0.0564		
	5	6.29	6.24	6.34	0.0542	0.0486	29



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-02.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 12:53 pm
 Operator : pest13:kb
 Sample : 12006870-01,42e,,p
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 09:56:23 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.165	2.163	562.5E6	1513.5E6	250.000	250.000
Standard Area 1 : #1 = 645959697					Recovery =	87.07%
Standard Area 1 : #2 = 1874621939					Recovery =	80.74%
14) i 2154_1br2nb	2.165	2.163	562.5E6	1513.5E6	250.000	250.000
23) i 4268_1br2nb	2.165	2.163	562.5E6	1513.5E6	250.000	250.000
34) i 1248_1br2nb	2.165	2.163	562.5E6	1513.5E6	250.000	250.000
40) i 3262_1br2nb	2.165	2.163	562.5E6	1513.5E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.650	2.760	772.2E6	2062.9E6	311.624	335.109
Spiked Amount 500.000 Range 30 - 150					Recovery =	62.32% 67.02%
3) s Decachlorobi	6.660f	7.087f	546.6E6	1611.5E6	285.871	493.683M2
Spiked Amount 500.000 Range 30 - 150					Recovery =	57.17% 98.74%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	5.514f	5.891	282.5E6	589.5E6	2246.438	2340.980
12) l2 1260-4	5.727f	6.061f	566.6E6	1555.0E6	2024.468	2995.463
13) l2 1260-5	5.923f	6.308f	420.3E6	1070.2E6	2239.316	3153.056
Sum 1260-1			1269.4E6	3214.7E6	6510.222	8489.499
Average 1260-1					2170.074	2829.833

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-02.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 12:53 pm
 Operator : pest13:kb
 Sample : 12006870-01,42e,,p
 Misc : wgl1341757,wgl1341307,ical16298
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 09:56:23 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	4.206f	4.580f	317.6E6	1047.6E6	3338.700M2	4615.604
19)	14 1254-2	4.406f	4.727f	468.0E6	1562.5E6	2861.224M2	5875.723
20)	14 1254-3	4.713f	5.074f	730.0E6	1891.6E6	4546.354	5522.488
21)	14 1254-4	4.920f	5.243f	258.2E6	642.9E6	2142.098M2	2566.060
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			1773.7E6	5144.5E6	12888.376	18579.876
	Average 1254-1					3222.094	4644.969
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-02.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 12:53 pm
 Operator : pest13:kb
 Sample : 12006870-01,42e,,p
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 09:56:23 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

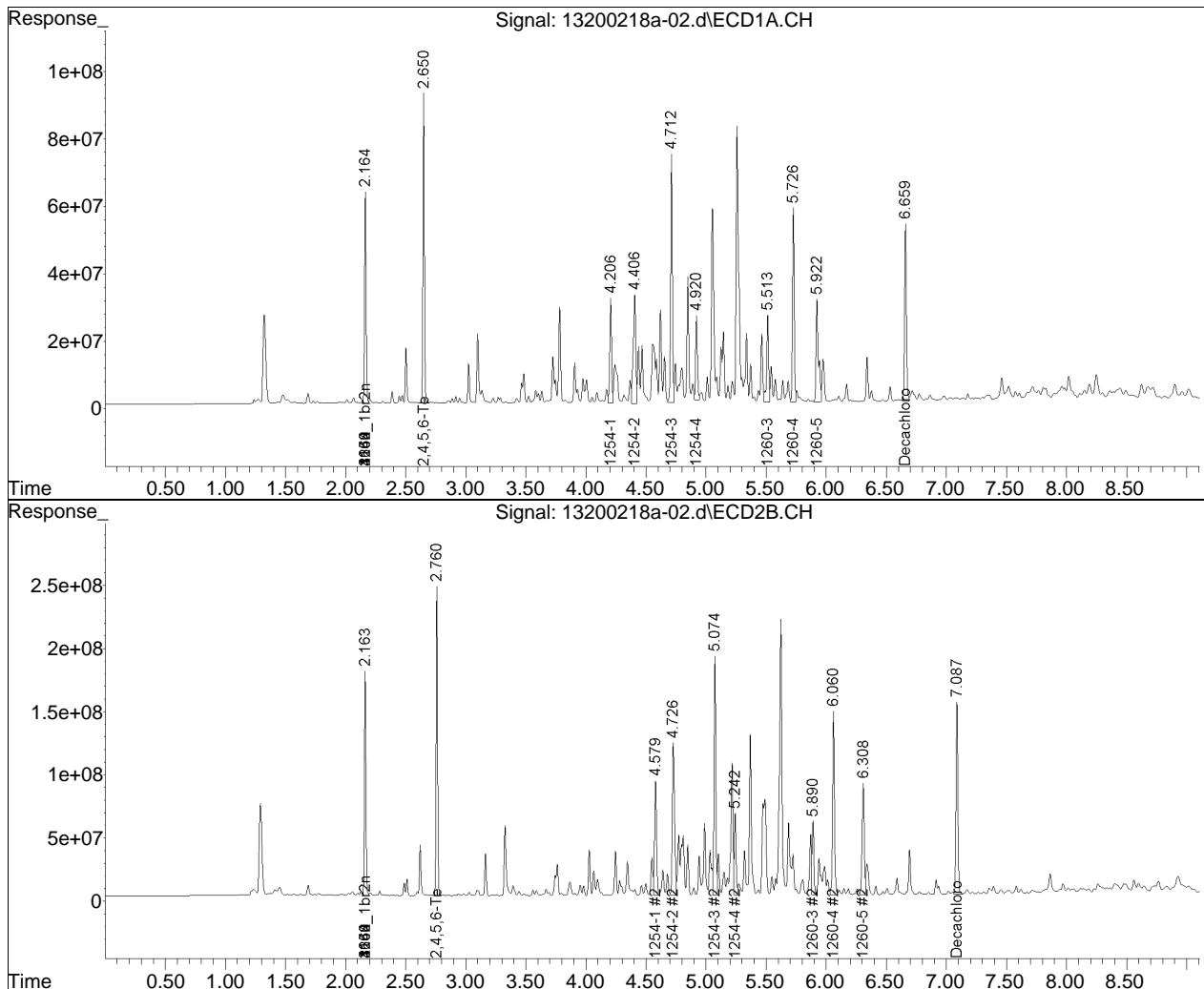
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-01.d••d)

Data Path : I:\Pest13\200218A\
Data File : 13200218a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2020 12:53 pm
Operator : pest13:kb
Sample : 12006870-01,42e,,p
Misc : wg1341757,wg1341307,ical16298
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 09:56:23 2020
Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
Quant Title : pcb
QLast Update : Wed Feb 12 21:30:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

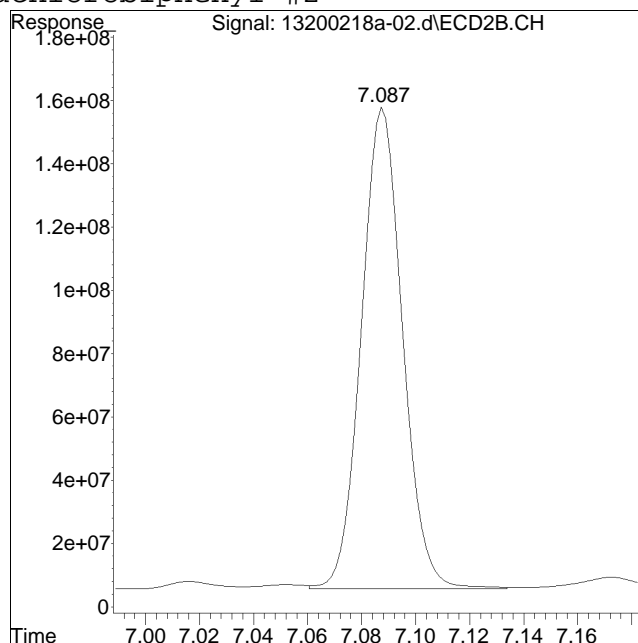
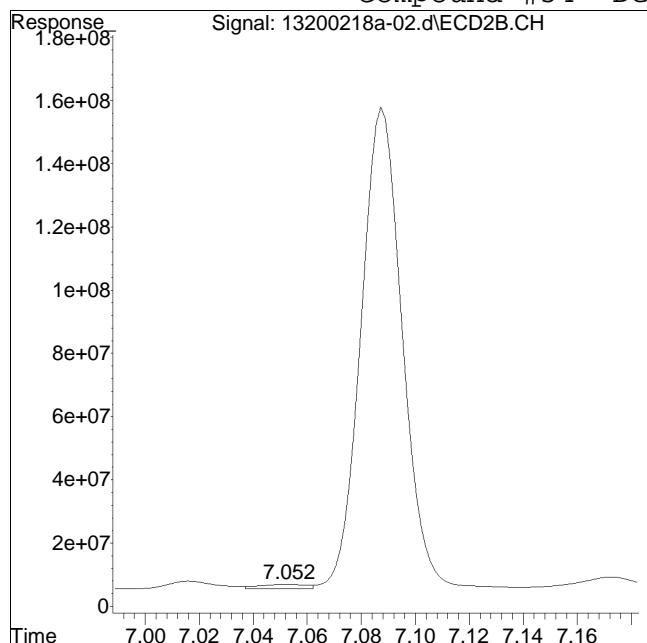


Manual Integration Report

Data Path : I:\Pest13\200218A\
Data File : 13200218a-02.d
Date Inj'd : 2/18/2020 12:53 pm
Sample : 12006870-01,42e,,p

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:kb
Instrument : PEST 13
Quant Date : 2/21/2020 9:52 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 18320209

Manual Peak Response = 1611493558 M2

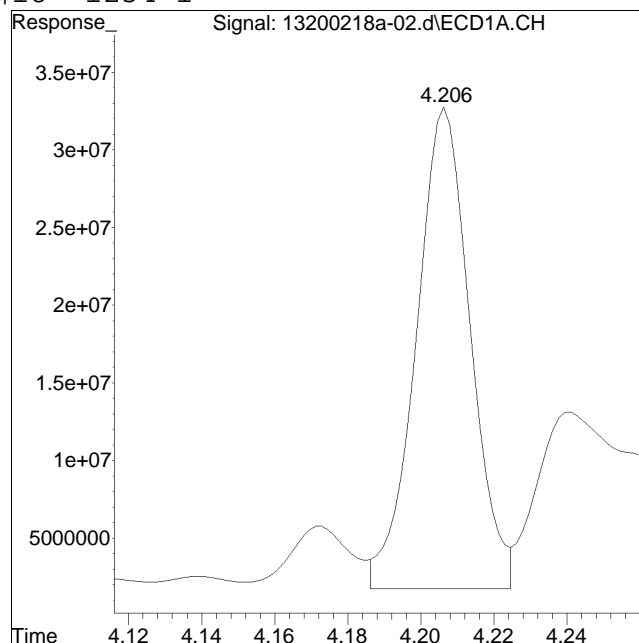
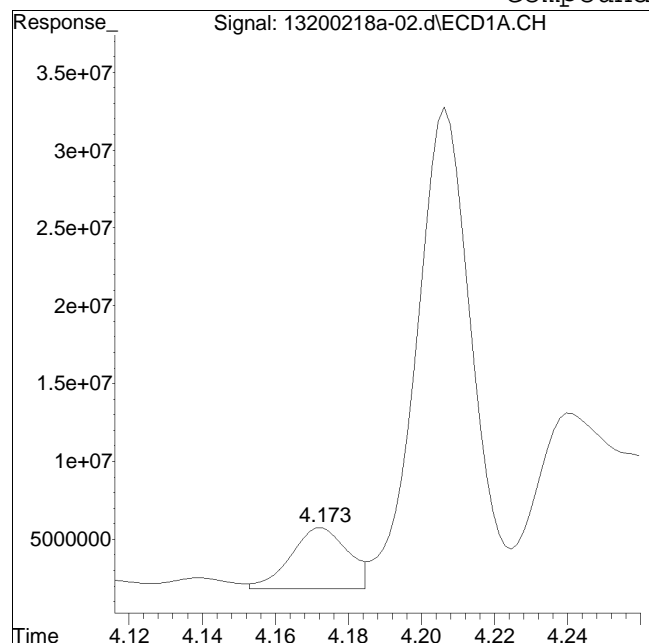
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest13\200218A\
Data File : 13200218a-02.d
Date Inj'd : 2/18/2020 12:53 pm
Sample : 12006870-01,42e,,p

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:kb
Instrument : PEST 13
Quant Date : 2/21/2020 9:52 am

Compound #18: 1254-1



Original Peak Response = 43136494

Manual Peak Response = 317632854 M2

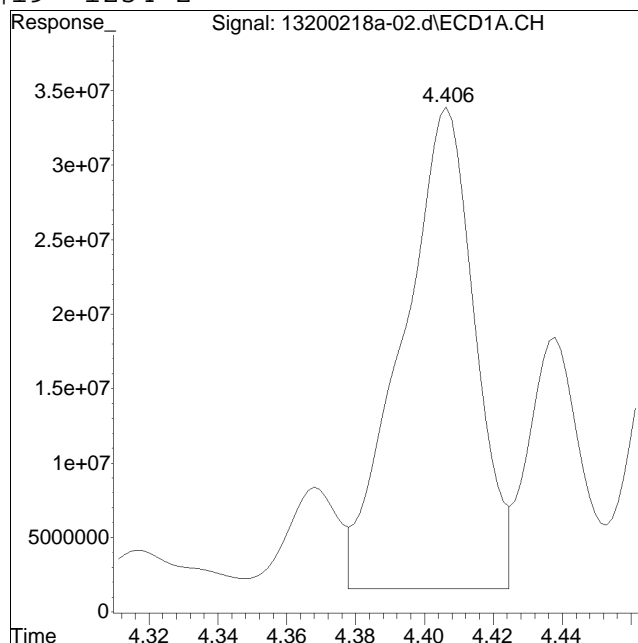
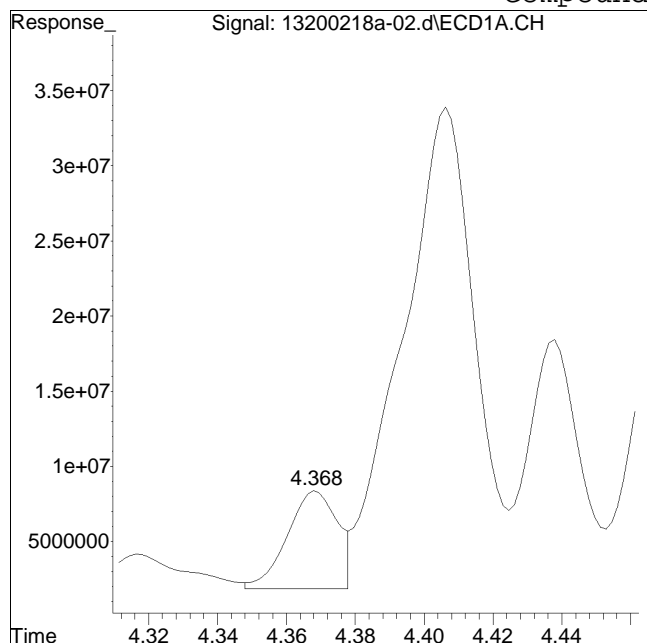
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest13\200218A\
Data File : 13200218a-02.d
Date Inj'd : 2/18/2020 12:53 pm
Sample : 12006870-01,42e,,p

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:kb
Instrument : PEST 13
Quant Date : 2/21/2020 9:52 am

Compound #19: 1254-2



Original Peak Response = 65224576

Manual Peak Response = 467954621 M2

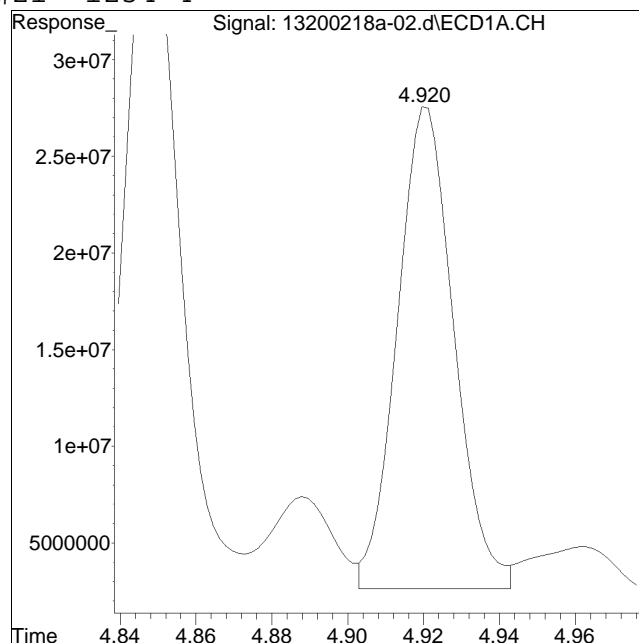
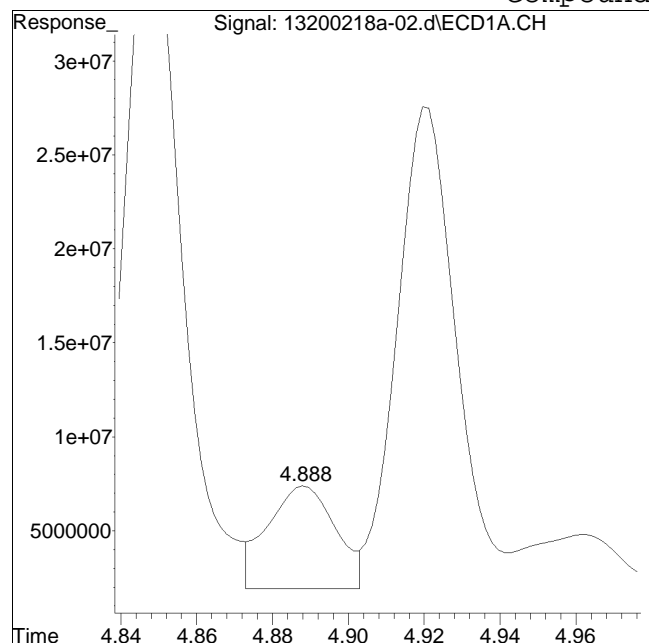
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest13\200218A\
Data File : 13200218a-02.d
Date Inj'd : 2/18/2020 12:53 pm
Sample : 12006870-01,42e,,p

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:kb
Instrument : PEST 13
Quant Date : 2/21/2020 9:52 am

Compound #21: 1254-4



Original Peak Response = 67484498

Manual Peak Response = 258154113 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-05.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 1:30 pm
 Operator : pest13:kb
 Sample : 12006870-02,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 10:00:22 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.153	2.159	612.8E6	1709.0E6	250.000	250.000
Standard Area 1 : #1 = 645959697					Recovery =	94.86%
Standard Area 1 : #2 = 1874621939					Recovery =	91.16%
14) i 2154_1br2nb	2.153	2.159	612.8E6	1709.0E6	250.000	250.000
23) i 4268_1br2nb	2.153	2.159	612.8E6	1709.0E6	250.000	250.000
34) i 1248_1br2nb	2.153	2.159	612.8E6	1709.0E6	250.000	250.000
40) i 3262_1br2nb	2.153	2.159	612.8E6	1709.0E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.633	2.753	739.4E6	1974.0E6	273.857	283.989
Spiked Amount 500.000	Range 30 - 150		Recovery =		54.77%	56.80%
3) s Decachlorobi	6.619	7.035	793.6E6	2187.3E6	381.010	593.446
Spiked Amount 500.000	Range 30 - 150		Recovery =		76.20%	118.69%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.825	5.206	375.1E6	1024.2E6	2632.911	3366.093
10) l2 1260-2	5.029	5.356	774.9E6	1894.2E6	3649.421	5289.274
11) l2 1260-3	5.491	5.877	409.0E6	1151.0E6	2985.911	4048.279
12) l2 1260-4	5.705	6.045	1206.3E6	3262.2E6	3955.781	5565.441
13) l2 1260-5	5.899	6.288	937.4E6	2290.2E6	4583.895M1	5975.648
Sum 1260-1			3702.8E6	9621.9E6	17807.918	24244.735
Average 1260-1					3561.584	4848.947

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-05.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 1:30 pm
 Operator : pest13:kb
 Sample : 12006870-02,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 10:00:22 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-05.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 1:30 pm
 Operator : pest13:kb
 Sample : 12006870-02,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 10:00:22 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

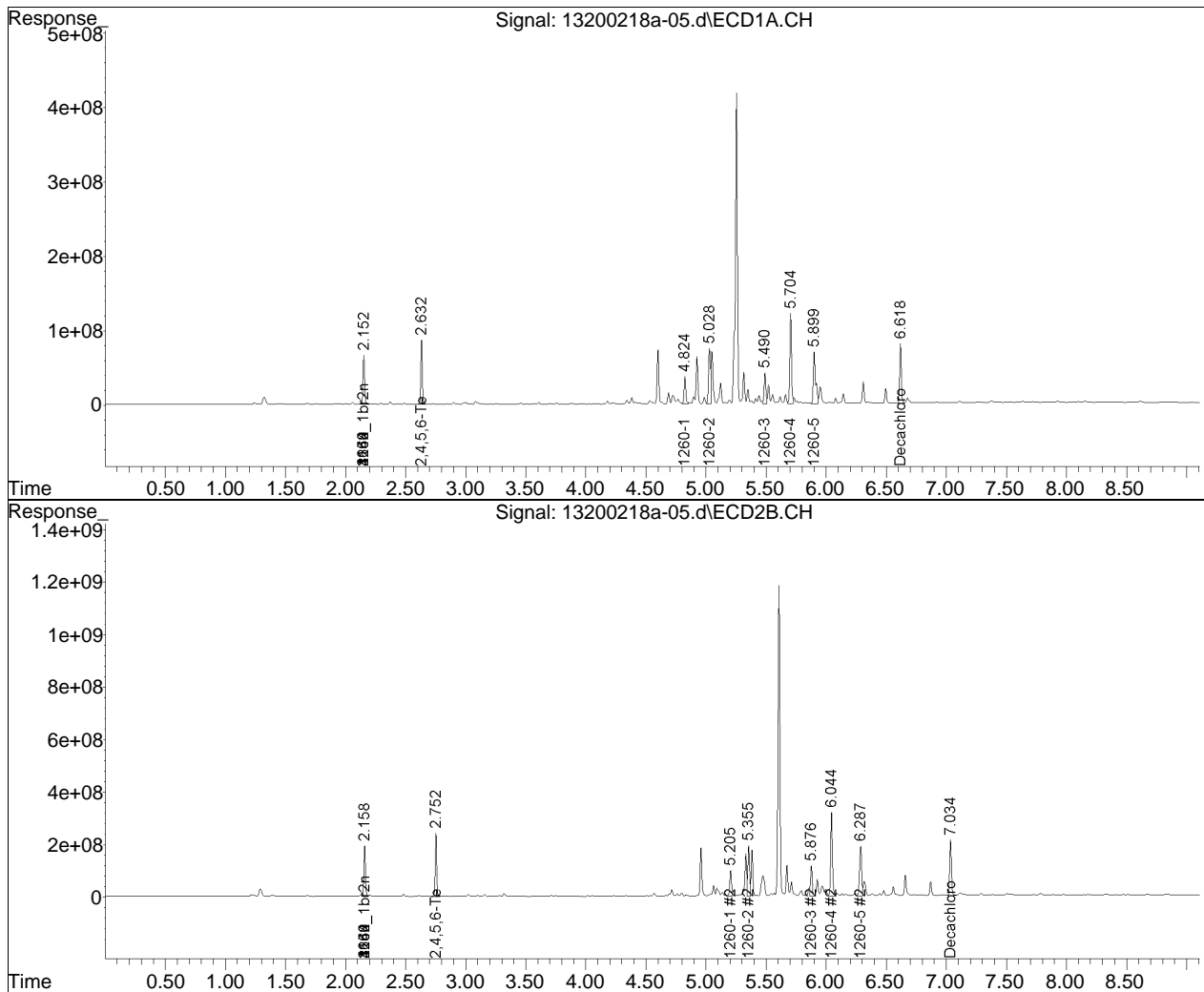
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-01.d••d)

Data Path : I:\Pest13\200218A\
Data File : 13200218a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2020 1:30 pm
Operator : pest13:kb
Sample : 12006870-02,42e,,
Misc : wg1341757,wg1341307,ical16298
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 10:00:22 2020
Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
Quant Title : pcb
QLast Update : Wed Feb 12 21:30:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

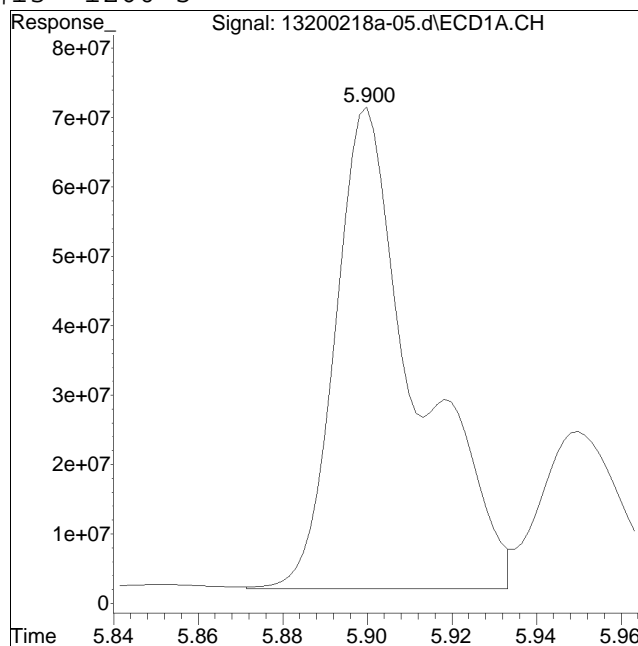
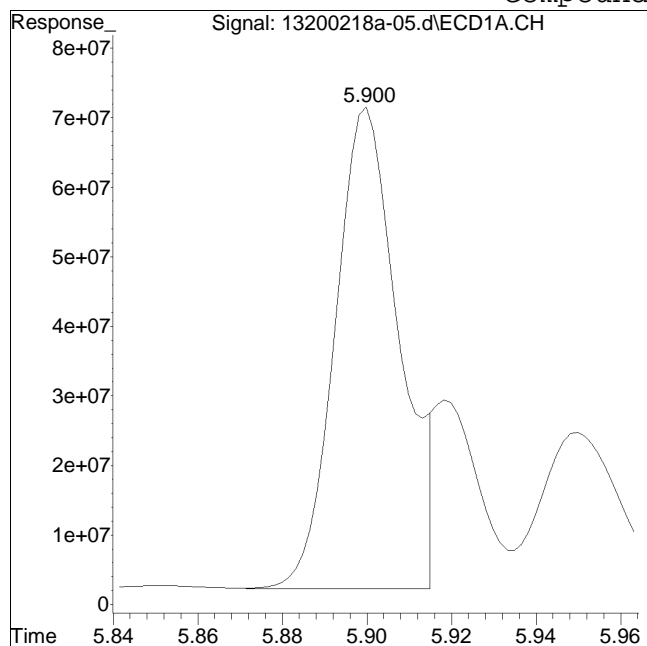


Manual Integration Report

Data Path : I:\Pest13\200218A\
Data File : 13200218a-05.d
Date Inj'd : 2/18/2020 1:30 pm
Sample : 12006870-02,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:kb
Instrument : PEST 13
Quant Date : 2/21/2020 9:52 am

Compound #13: 1260-5



Original Peak Response = 700086555

Manual Peak Response = 937364863 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-09.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:19 pm
 Operator : pest13:kb
 Sample : 12006870-06,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 10:01:25 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.152	2.159	631.1E6	1746.2E6	250.000	250.000
Standard Area 1 : #1 = 645959697					Recovery =	97.70%
Standard Area 1 : #2 = 1874621939					Recovery =	93.15%
14) i 2154_1br2nb	2.152	2.159	631.1E6	1746.2E6	250.000	250.000
23) i 4268_1br2nb	2.152	2.159	631.1E6	1746.2E6	250.000	250.000
34) i 1248_1br2nb	2.152	2.159	631.1E6	1746.2E6	250.000	250.000
40) i 3262_1br2nb	2.152	2.159	631.1E6	1746.2E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.632	2.752	1040.8E6	2875.8E6	374.301	404.899
Spiked Amount 500.000	Range 30 - 150				Recovery =	74.86%
3) s Decachlorobi	6.617	7.032	652.8E6	1833.5E6	304.294	486.843
Spiked Amount 500.000	Range 30 - 150				Recovery =	60.86%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.824	5.206	62776648	188.0E6	427.781	604.575
10) l2 1260-2	5.027	5.356	209.6E6	412.4E6	958.148	1127.086
11) l2 1260-3	5.490	5.877	40030526	139.7E6	283.727	480.958
12) l2 1260-4	5.704	6.044	163.3E6	537.5E6	520.097	897.458
13) l2 1260-5	5.899	6.287	101.9E6	292.8E6	483.975	747.624
Sum 1260-1			577.6E6	1570.4E6	2673.728	3857.700
Average 1260-1					534.746	771.540

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-09.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:19 pm
 Operator : pest13:kb
 Sample : 12006870-06,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 10:01:25 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-09.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:19 pm
 Operator : pest13:kb
 Sample : 12006870-06,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 10:01:25 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

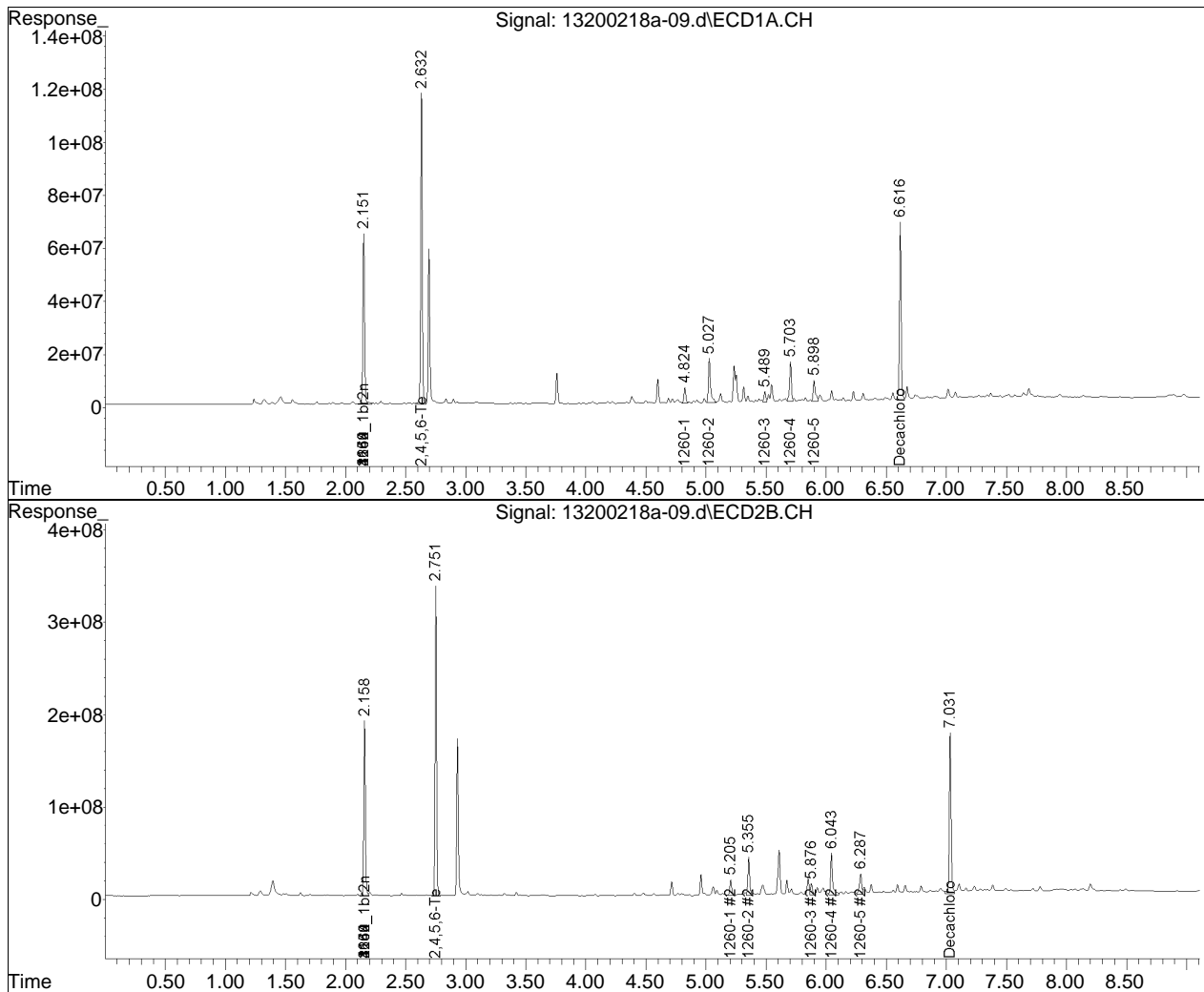
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-01.d••d)

Data Path : I:\Pest13\200218A\
Data File : 13200218a-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2020 2:19 pm
Operator : pest13:kb
Sample : 12006870-06,42e,,
Misc : wg1341757,wg1341307,ical16298
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 10:01:25 2020
Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
Quant Title : pcb
QLast Update : Wed Feb 12 21:30:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest13\200218A\	QMethod	: P13_pcb_11_14_19_ugL_ICA
Data File	: 13200218a-09.d	Operator	: pest13:kb
Date Inj'd	: 2/18/2020 2:19 pm	Instrument	: PEST 13
Sample	: 12006870-06,42e,,	Quant Date	: 2/21/2020 9:52 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-10.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:31 pm
 Operator : pest13:kb
 Sample : l2006870-08,42e,,
 Misc : wgl1341757,wgl1341307,ical16298
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 10:01:55 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.151	2.158	655.7E6	1798.7E6	250.000	250.000
Standard Area 1 : #1 = 645959697					Recovery =	101.51%
Standard Area 1 : #2 = 1874621939					Recovery =	95.95%
14) i 2154_1br2nb	2.151	2.158	655.7E6	1798.7E6	250.000	250.000
23) i 4268_1br2nb	2.151	2.158	655.7E6	1798.7E6	250.000	250.000
34) i 1248_1br2nb	2.151	2.158	655.7E6	1798.7E6	250.000	250.000
40) i 3262_1br2nb	2.151	2.158	655.7E6	1798.7E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.632	2.751	1140.9E6	3186.0E6	394.882	435.498
Spiked Amount 500.000	Range 30 - 150				Recovery =	78.98%
3) s Decachlorobi	6.616	7.031	654.4E6	1614.0E6	293.593	416.057
Spiked Amount 500.000	Range 30 - 150				Recovery =	58.72%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.824	5.205	7493750	21035290	49.148	65.684
10) l2 1260-2	5.027	5.356	19696139	38174585	86.676	101.280
11) l2 1260-3	5.486	5.876	10087844	27037193	68.817	90.352
12) l2 1260-4	5.702	6.043	16583478	45510012	50.820	73.769
13) l2 1260-5	5.899	0.000	14109391	0	64.477	N.D. d
Sum 1260-1			67970603	131.8E6	319.937	331.085
Average 1260-1					63.987	82.771

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-10.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:31 pm
 Operator : pest13:kb
 Sample : 12006870-08,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 10:01:55 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-10.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:31 pm
 Operator : pest13:kb
 Sample : 12006870-08,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 10:01:55 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D.	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

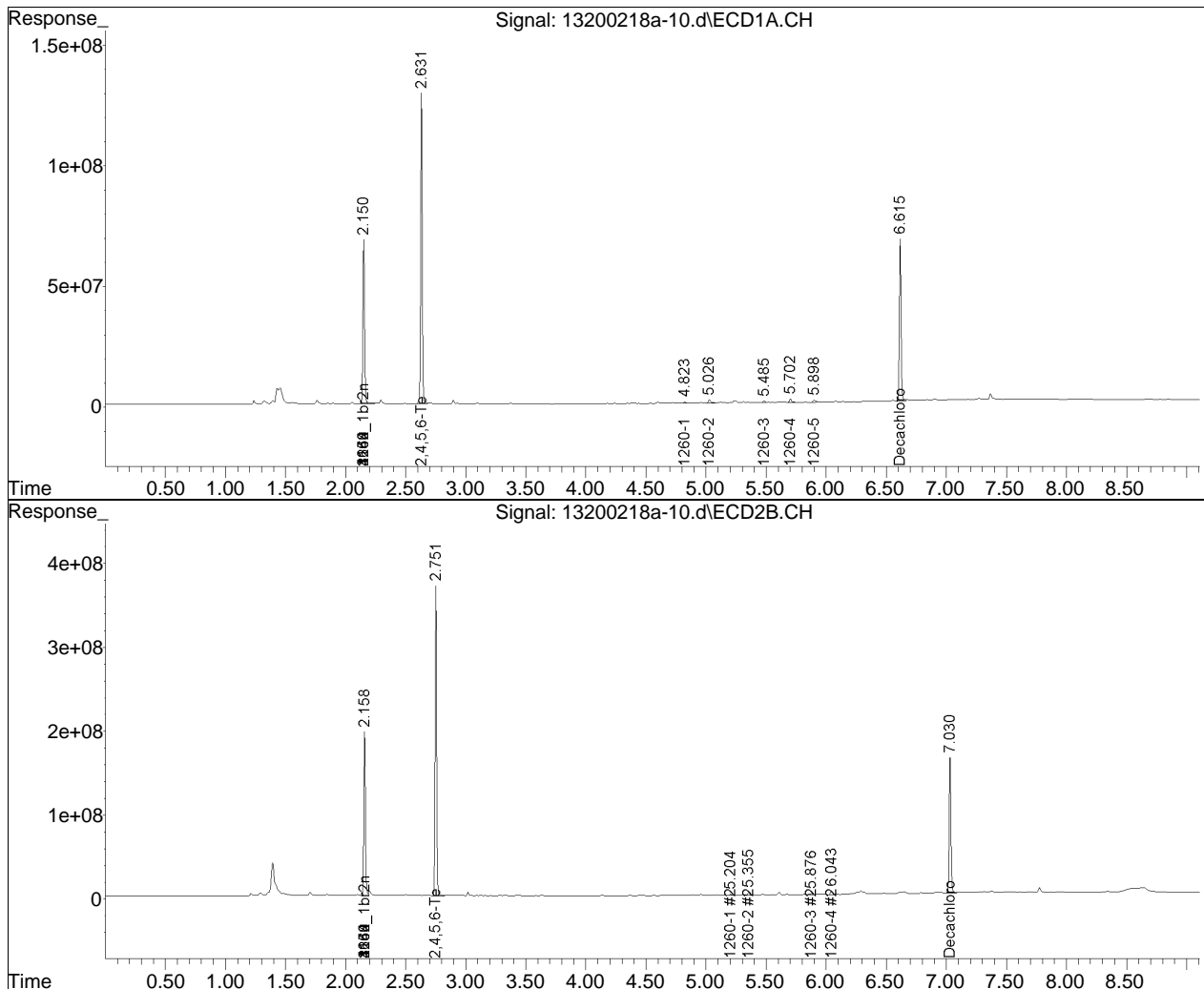
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-01.d••d)

Data Path : I:\Pest13\200218A\
Data File : 13200218a-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2020 2:31 pm
Operator : pest13:kb
Sample : 12006870-08,42e,,
Misc : wg1341757,wg1341307,ical16298
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 10:01:55 2020
Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
Quant Title : pcb
QLast Update : Wed Feb 12 21:30:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest13\200218A\	QMethod	: P13_pcb_11_14_19_ugL_ICA
Data File	: 13200218a-10.d	Operator	: pest13:kb
Date Inj'd	: 2/18/2020 2:31 pm	Instrument	: PEST 13
Sample	: 12006870-08,42e,,	Quant Date	: 2/21/2020 9:52 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:55 pm
 Operator : pest13:kb
 Sample : 12006870-10,42e,,
 Misc : wgl1341757,wgl1341307,ical16298
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 10:03:23 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.152	2.158	794.6E6	2232.0E6	250.000	250.000
Standard Area 1 : #1 = 645959697					Recovery =	123.01%
Standard Area 1 : #2 = 1874621939					Recovery =	119.06%
14) i 2154_1br2nb	2.152	2.158	794.6E6	2232.0E6	250.000	250.000
23) i 4268_1br2nb	2.152	2.158	794.6E6	2232.0E6	250.000	250.000
34) i 1248_1br2nb	2.152	2.158	794.6E6	2232.0E6	250.000	250.000
40) i 3262_1br2nb	2.152	2.158	794.6E6	2232.0E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.633	2.752	1074.7E6	3028.1E6	306.991	333.557
Spiked Amount 500.000	Range 30 - 150		Recovery =		61.40%	66.71%
3) s Decachlorobi	6.617	7.033	670.8E6	1818.4E6	248.360	377.751M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		49.67%	75.55%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.824	5.205	67242946	184.4E6	363.954	463.988M4
10) l2 1260-2	5.028	5.356	210.8E6	450.8E6	765.507	963.819M4
11) l2 1260-3	5.490	5.877	57741647	151.8E6	325.069	408.905M4
12) l2 1260-4	5.703	6.044	204.5E6	597.8E6	517.294	780.828M4
13) l2 1260-5	5.899	6.288	146.0E6	375.3E6	550.417	749.818M4
Sum 1260-1			686.3E6	1760.1E6	2522.240	3367.358
Average 1260-1					504.448	673.472

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:55 pm
 Operator : pest13:kb
 Sample : 12006870-10,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 10:03:23 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 2:55 pm
 Operator : pest13:kb
 Sample : 12006870-10,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 10:03:23 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D.	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

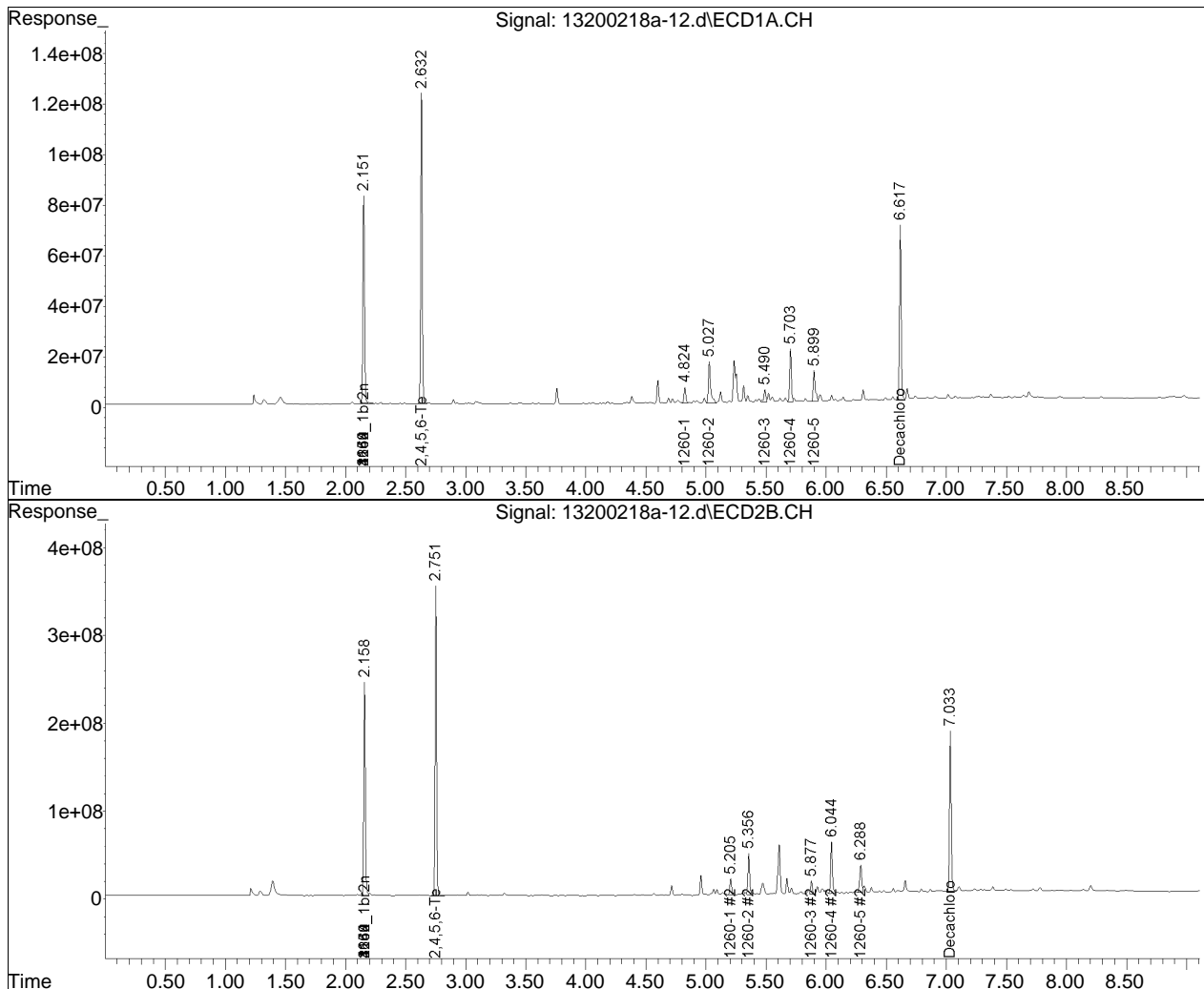
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-01.d••d)

Data Path : I:\Pest13\200218A\
Data File : 13200218a-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2020 2:55 pm
Operator : pest13:kb
Sample : 12006870-10,42e,,
Misc : wg1341757,wg1341307,ical16298
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 10:03:23 2020
Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
Quant Title : pcb
QLast Update : Wed Feb 12 21:30:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

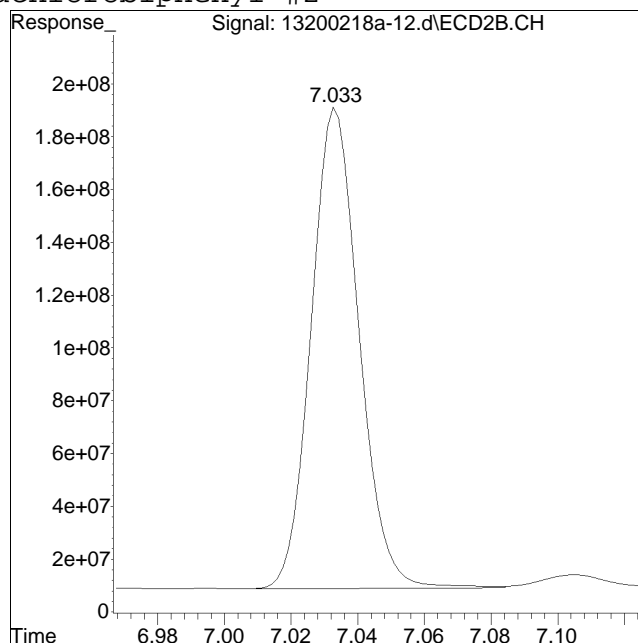
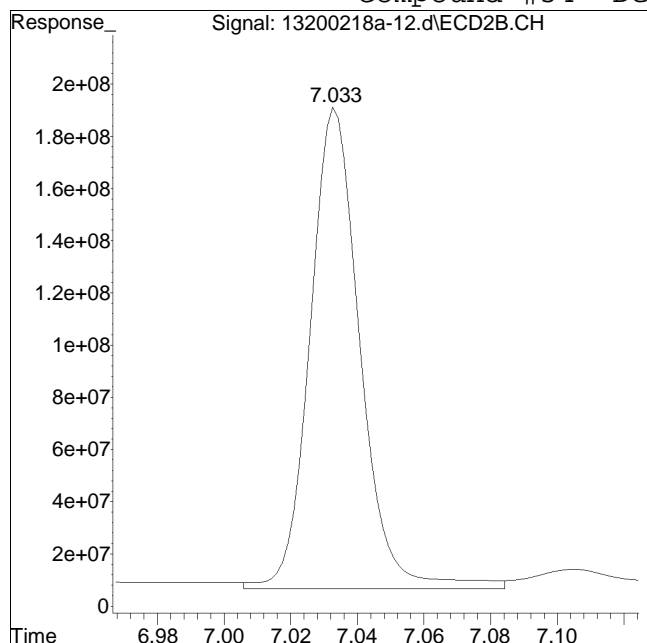


Manual Integration Report

Data Path : I:\Pest13\200218A\
Data File : 13200218a-12.d
Date Inj'd : 2/18/2020 2:55 pm
Sample : 12006870-10,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:kb
Instrument : PEST 13
Quant Date : 2/21/2020 9:52 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1927353473

Manual Peak Response = 1818406173 M4

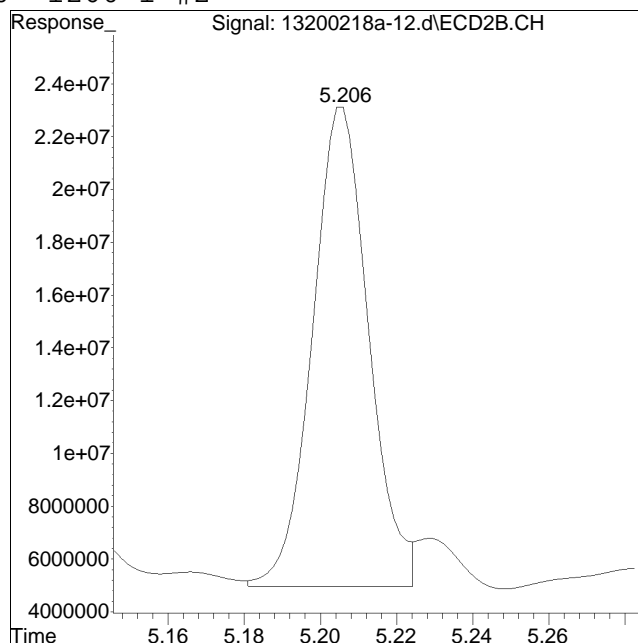
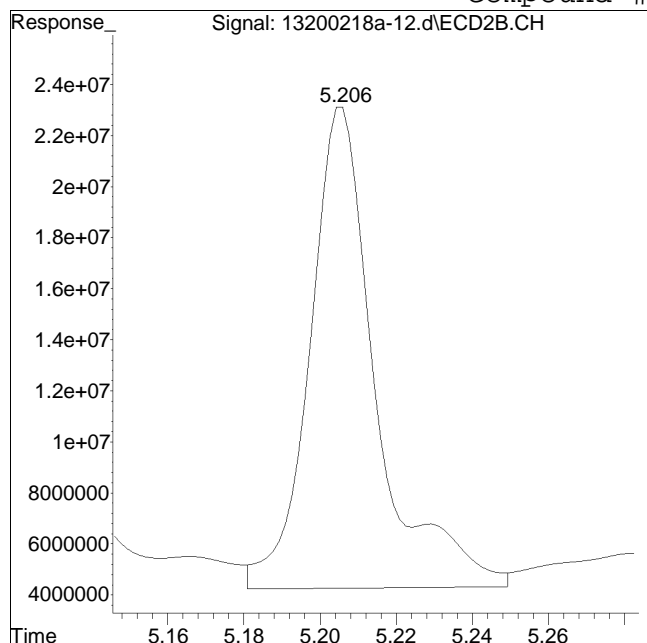
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200218A\
Data File : 13200218a-12.d
Date Inj'd : 2/18/2020 2:55 pm
Sample : 12006870-10,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:kb
Instrument : PEST 13
Quant Date : 2/21/2020 9:52 am

Compound #60: 1260-1 #2



Original Peak Response = 227891663

Manual Peak Response = 184389037 M4

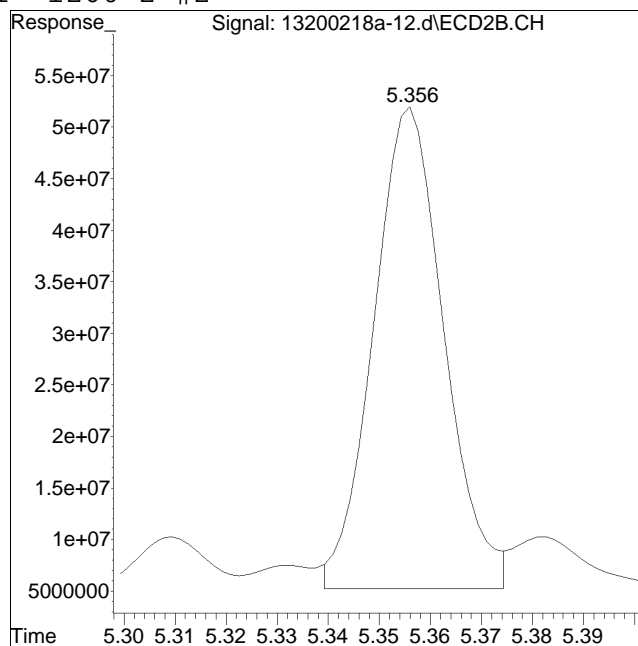
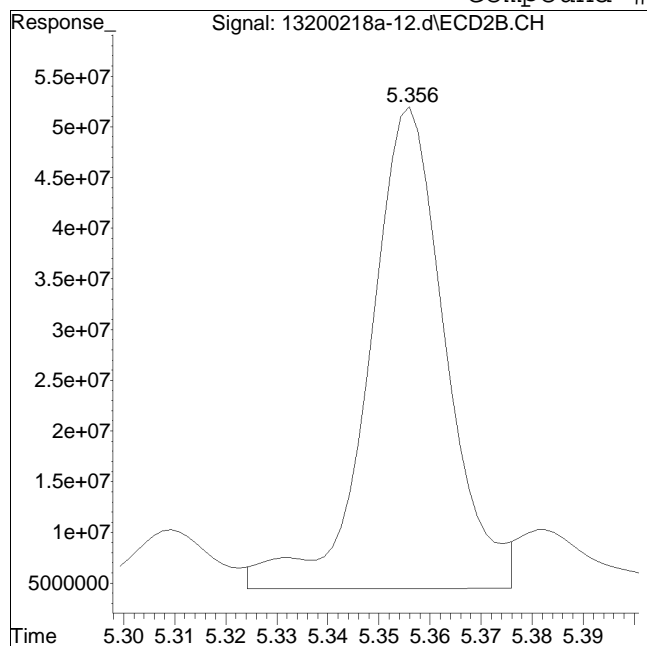
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200218A\
Data File : 13200218a-12.d
Date Inj'd : 2/18/2020 2:55 pm
Sample : 12006870-10,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:kb
Instrument : PEST 13
Quant Date : 2/21/2020 9:52 am

Compound #61: 1260-2 #2



Original Peak Response = 490645638

Manual Peak Response = 450800240 M4

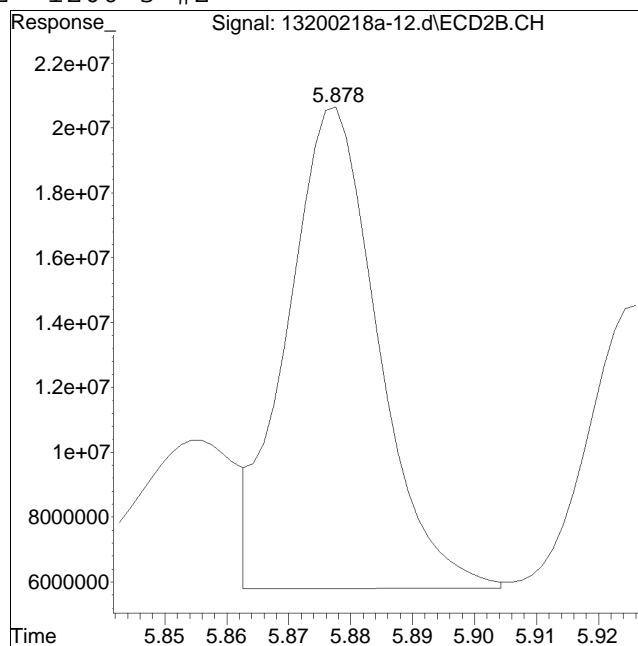
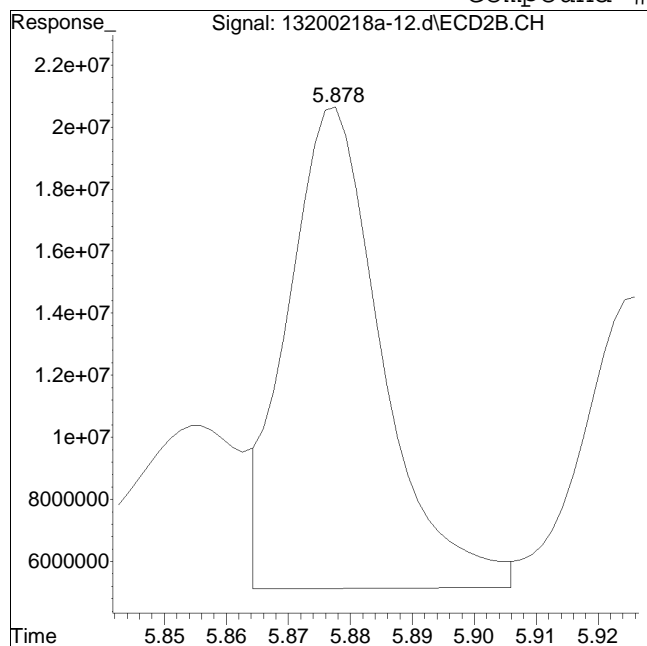
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200218A\
Data File : 13200218a-12.d
Date Inj'd : 2/18/2020 2:55 pm
Sample : 12006870-10,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:kb
Instrument : PEST 13
Quant Date : 2/21/2020 9:52 am

Compound #62: 1260-3 #2



Original Peak Response = 168734854

Manual Peak Response = 151839177 M4

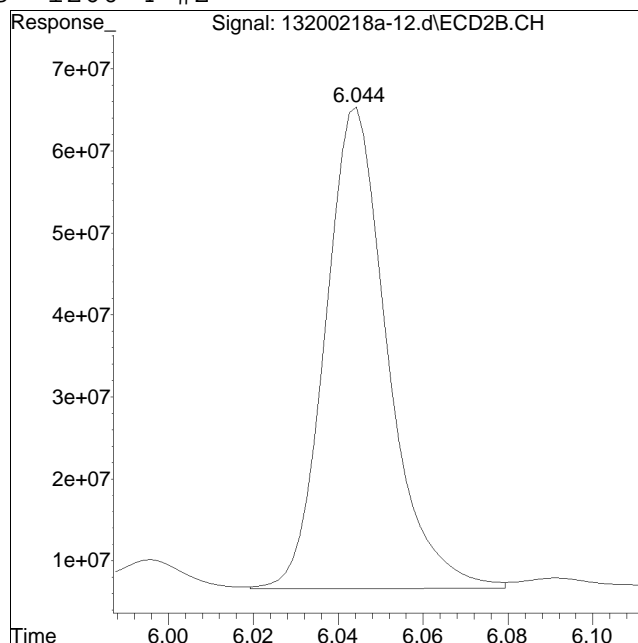
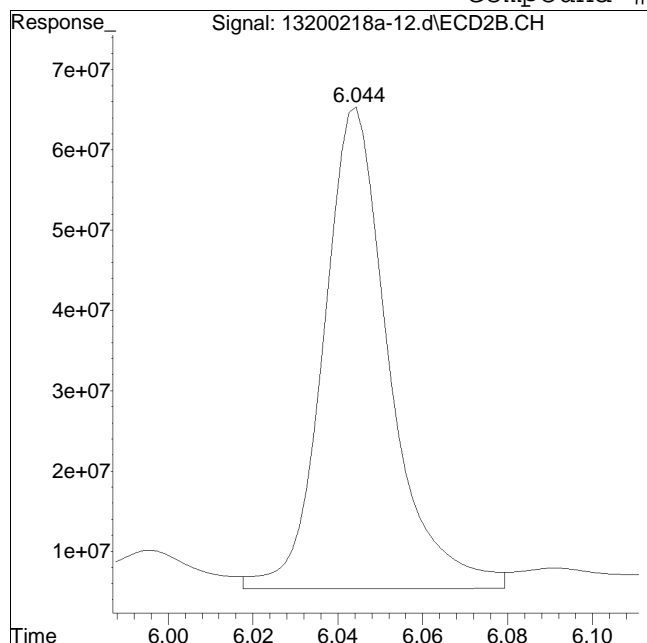
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200218A\
Data File : 13200218a-12.d
Date Inj'd : 2/18/2020 2:55 pm
Sample : 12006870-10,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:kb
Instrument : PEST 13
Quant Date : 2/21/2020 9:52 am

Compound #63: 1260-4 #2



Original Peak Response = 644977270

Manual Peak Response = 597763457 M4

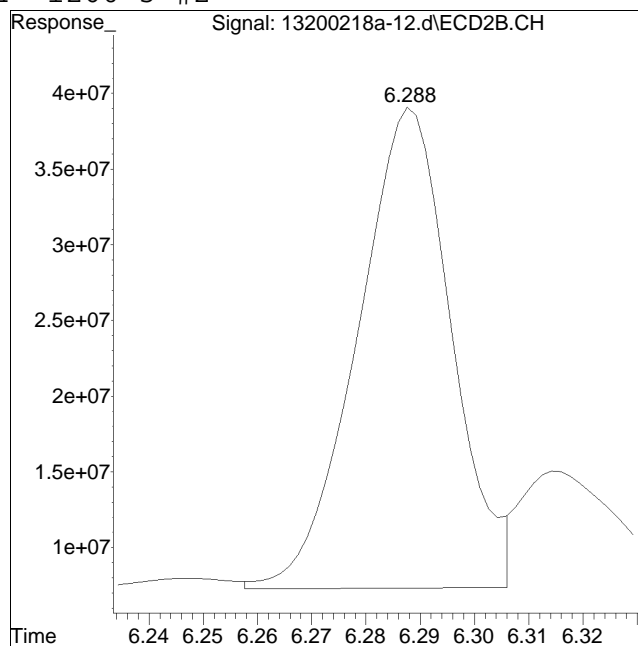
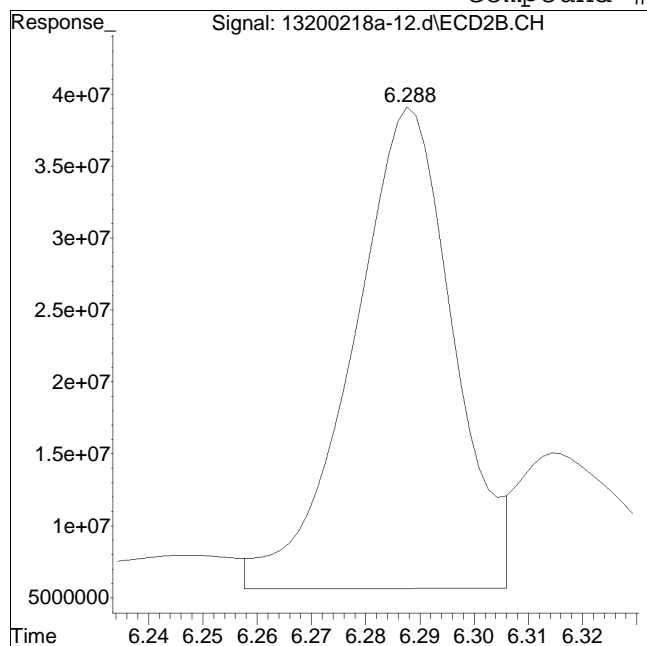
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200218A\
Data File : 13200218a-12.d
Date Inj'd : 2/18/2020 2:55 pm
Sample : 12006870-10,42e,,

QMethod : P13_pcb_11_14_19_ugL_ICA
Operator : pest13:kb
Instrument : PEST 13
Quant Date : 2/21/2020 9:52 am

Compound #64: 1260-5 #2



Original Peak Response = 427207191

Manual Peak Response = 375326705 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 12:30 pm
 Operator : pest19:aws
 Sample : l2006870-07,42e,,re
 Misc : wg1342243,wg1341577,ical16321 (Sig #1); wg1342243,wg1341307,ical16321 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:27:05 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.034	29120973	41486319	250.000	250.000
Standard Area 1 : #1 = 26798508					Recovery =	108.67%
Standard Area 1 : #2 = 38807976					Recovery =	106.90%
14) i 2154_1br2nb	0.991	1.034	29120973	41486319	250.000	250.000
23) i 4268_1br2nb	0.991	1.034	29120973	41486319	250.000	250.000
34) i 1248_1br2nb	0.991	1.034	29120973	41486319	250.000	250.000
40) i 3262_1br2nb	0.991	1.034	29120973	41486319	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.246	1.379	55814993	77727601	367.281	366.828
Spiked Amount 500.000	Range 30 - 150				Recovery =	73.46%
73.37%						
3) s Decachlorobi	4.001	4.513	39950916	58327089	327.733	326.346
Spiked Amount 500.000	Range 30 - 150				Recovery =	65.55%
65.27%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.566	2.955	472579	889801	61.574M4	79.731
10) l2 1260-2	2.710	3.070	1820202	2212828	157.729	168.973
11) l2 1260-3	3.055	3.487	674661	767886	89.839	67.273
12) l2 1260-4	3.225	3.633	1703934	4937700	107.907	205.564
13) l2 1260-5	0.000	3.841	0	1410175	N.D. d	84.511
Sum 1260-1			4671376	10218390	417.049	606.052
Average 1260-1					104.262	121.210

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 12:30 pm
 Operator : pest19:aws
 Sample : l2006870-07,42e,,re
 Misc : wg1342243,wg1341577,ical16321 (Sig #1); wg1342243,wg1341307,ical16321 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:27:05 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 12:30 pm
 Operator : pest19:aws
 Sample : l2006870-07,42e,,re
 Misc : wg1342243,wg1341577,ical16321 (Sig #1); wg1342243,wg1341307,ical16321 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:27:05 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 12:30 pm
 Operator : pest19:aws
 Sample : l2006870-07,42e,,re
 Misc : wg1342243,wg1341577,ical16321 (Sig #1); wg1342243,wg1341307,ical16321 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:27:05 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

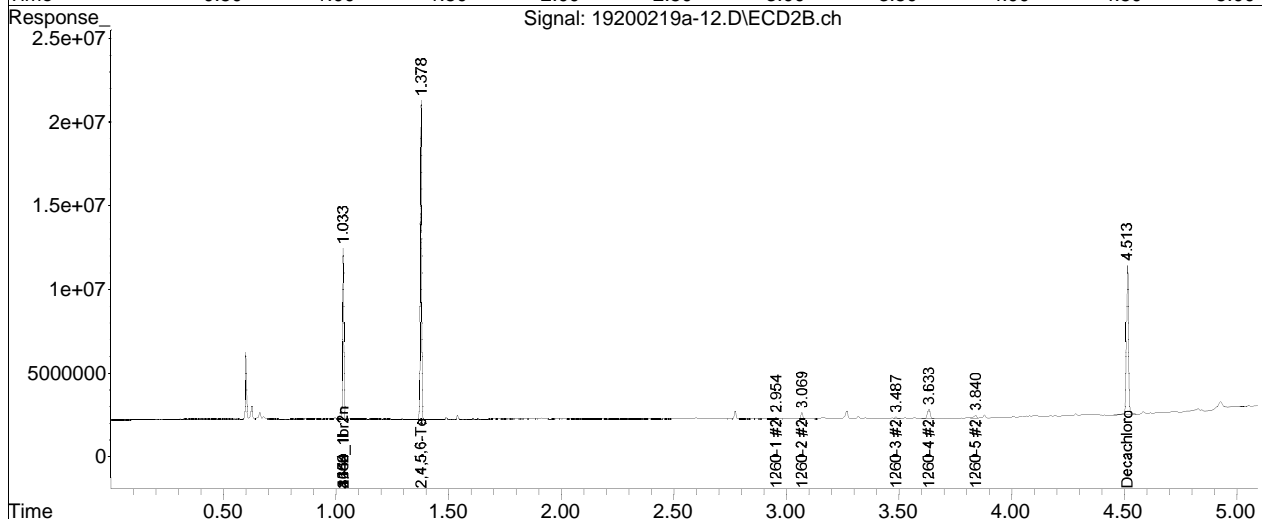
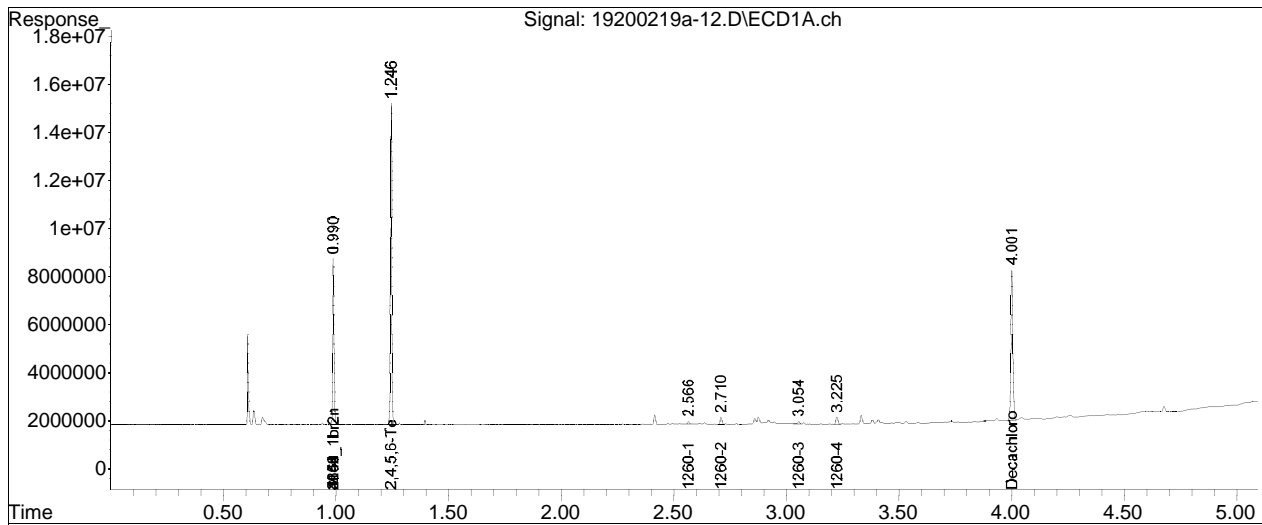
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200219a\
Data File : 19200219a-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2020 12:30 pm
Operator : pest19:aws
Sample : l2006870-07,42e,,re
Misc : wg1342243,wg1341577,ical16321 (Sig #1); wg1342243,wg1341307,ical16
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 20 17:27:05 2020
Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sun Feb 16 19:46:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

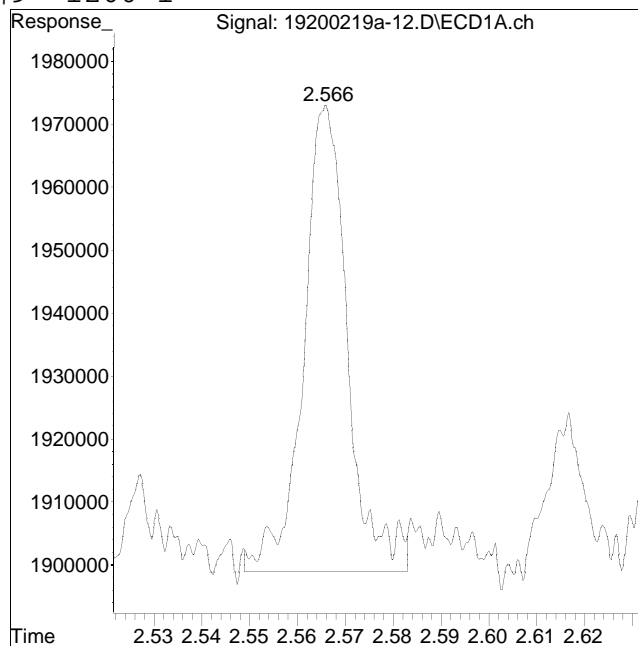
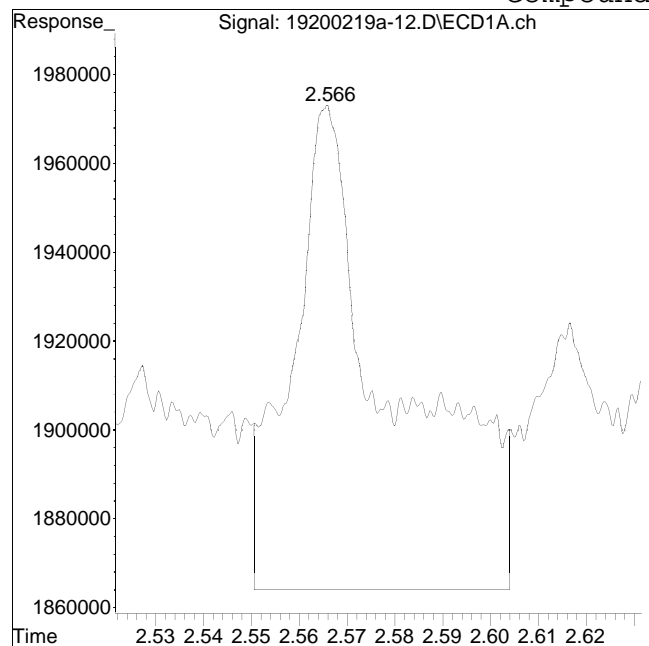


Manual Integration Report

Data Path : I:\Pest19\200219a\
Data File : 19200219a-12.D
Date Inj'd : 2/19/2020 12:30 pm
Sample : 12006870-07,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/20/2020 5:26 pm

Compound #9: 1260-1



Original Peak Response = 1645463

Manual Peak Response = 472579 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 12:58 pm
 Operator : pest19:aws
 Sample : l2006870-03d,42e,5,rr (Sig #1); l2006870-03d,42r,5,rr (Sig #2)
 Misc : wgl342243,wgl341307,ical16321
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:56:56 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.990	1.034	33513779	48138583	250.000	250.000
Standard Area 1 : #1 = 26798508					Recovery =	125.06%
Standard Area 1 : #2 = 38807976					Recovery =	124.04%
14) i 2154_1br2nb	0.990	1.034	33513779	48138583	250.000	250.000
23) i 4268_1br2nb	0.990	1.034	33513779	48138583	250.000	250.000
34) i 1248_1br2nb	0.990	1.034	33513779	48138583	250.000	250.000
40) i 3262_1br2nb	0.990	1.034	33513779	48138583	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.246	1.378	9149183	12911193	52.313	52.513
Spiked Amount 500.000	Range 30 - 150				Recovery =	10.46%# 10.50%#
3) s Decachlorobi	4.001	4.513	7185379	13883851	51.218	66.947
Spiked Amount 500.000	Range 30 - 150				Recovery =	10.24%# 13.39%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.566	2.955	17269623	22361420	1955.185	1726.819
10) l2 1260-2	2.711	3.069	27575880	30036002	2076.363	1976.620
11) l2 1260-3	3.054	3.486	17261208	23938881	1997.249	1807.416
12) l2 1260-4	3.224	3.629	40034724	58269442	2203.010	2090.617
13) l2 1260-5	3.382	3.840	32930233	41817833	2507.752M1	2159.800
Sum 1260-1			135.1E6	176.4E6	10739.558	9761.271
Average 1260-1					2147.912	1952.254

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 12:58 pm
 Operator : pest19:aws
 Sample : l2006870-03d,42e,5,rr (Sig #1); l2006870-03d,42r,5,rr (Sig #2)
 Misc : wgl342243,wgl341307,ical16321
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:56:56 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 12:58 pm
 Operator : pest19:aws
 Sample : l2006870-03d,42e,5,rr (Sig #1); l2006870-03d,42r,5,rr (Sig #2)
 Misc : wgl342243,wgl341307,ical16321
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:56:56 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

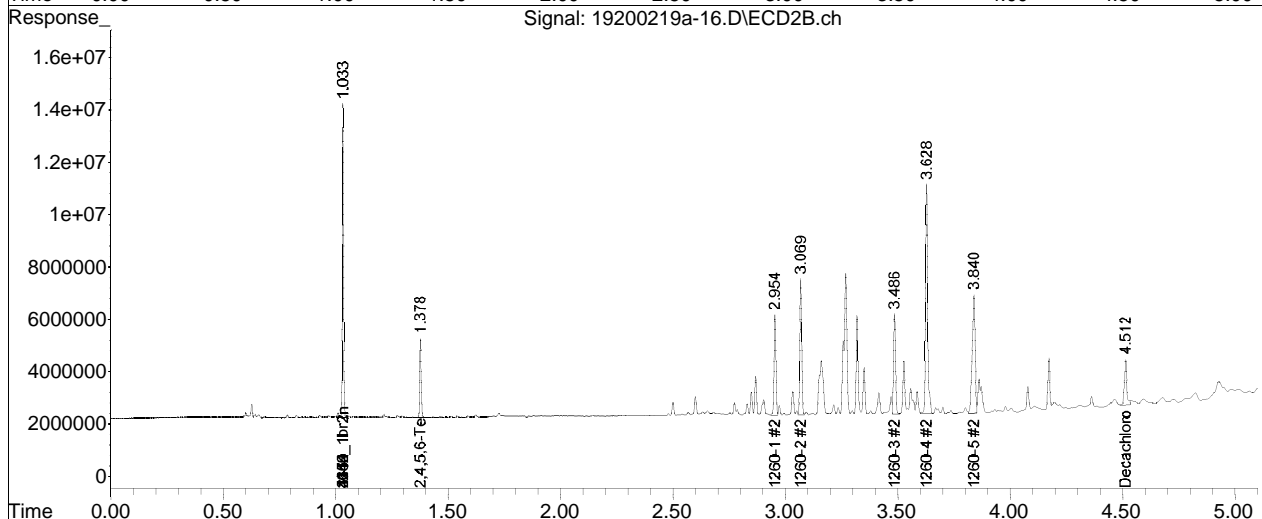
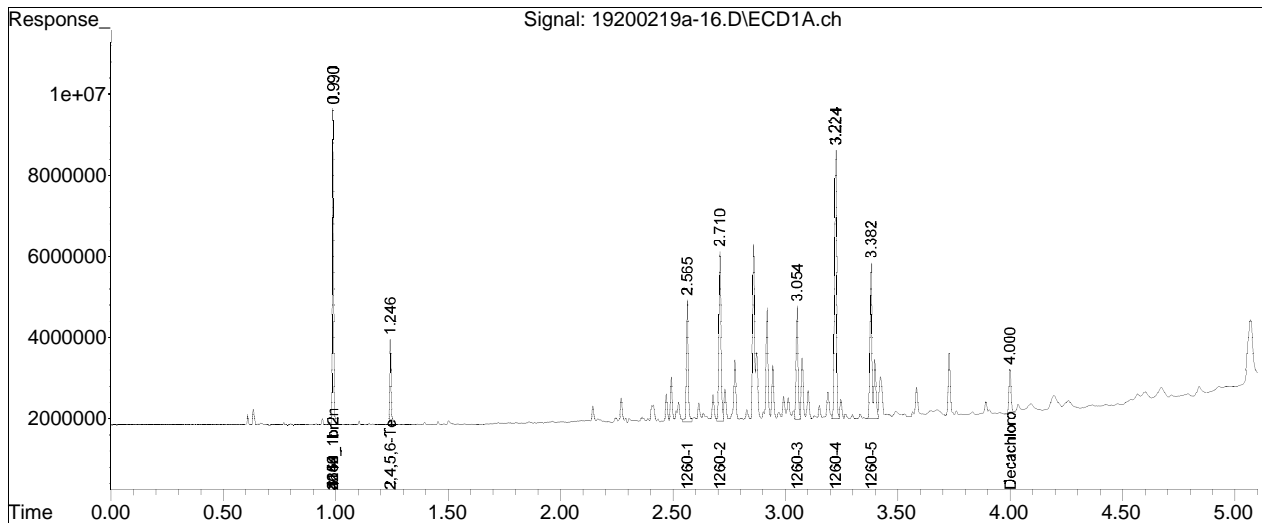
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200219a\
Data File : 19200219a-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2020 12:58 pm
Operator : pest19:aws
Sample : 12006870-03d,42e,5,rr (Sig #1); 12006870-03d,42r,5,rr (Sig #2)
Misc : wg1342243,wg1341307,ical16321
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 20 17:56:56 2020
Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sun Feb 16 19:46:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

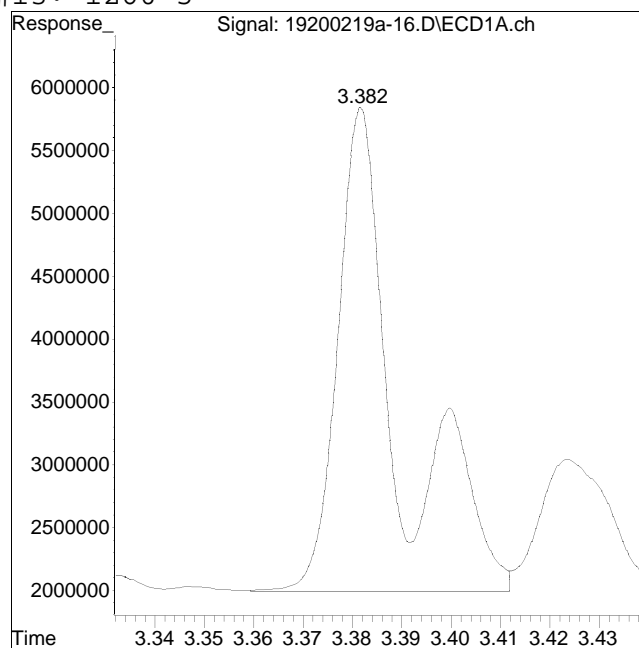
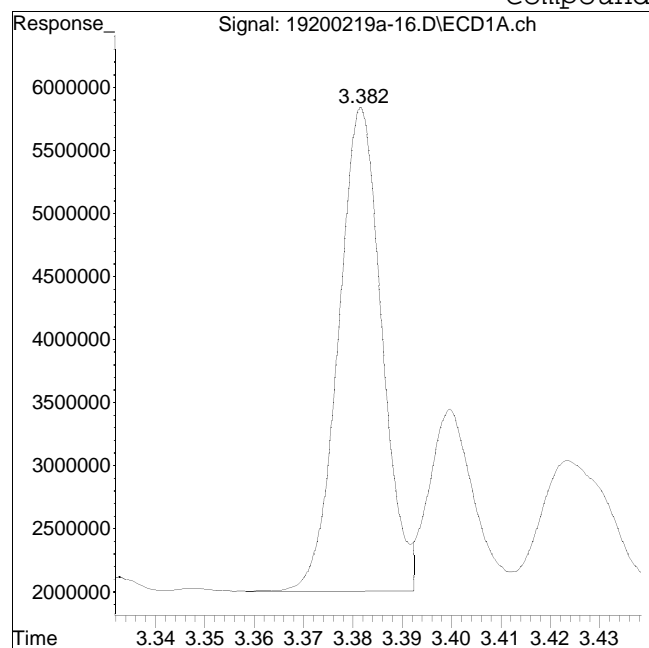


Manual Integration Report

Data Path : I:\Pest19\200219a\
Data File : 19200219a-16.D
Date Inj'd : 2/19/2020 12:58 pm
Sample : 12006870-03d,42e,5,rr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/20/2020 5:26 pm

Compound #13: 1260-5



Original Peak Response = 23320247

Manual Peak Response = 32930233 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 01:05 pm
 Operator : pest19:aws
 Sample : l2006870-09d,42e,5,rr (Sig #1); l2006870-09d,42r,5,rr (Sig #2)
 Misc : wgl342243,wgl341307,ical16321
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:57:42 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.990	1.034	32644267	47161360	250.000	250.000
Standard Area 1 : #1 = 26798508					Recovery =	121.81%
Standard Area 1 : #2 = 38807976					Recovery =	121.52%
14) i 2154_1br2nb	0.990	1.034	32644267	47161360	250.000	250.000
23) i 4268_1br2nb	0.990	1.034	32644267	47161360	250.000	250.000
34) i 1248_1br2nb	0.990	1.034	32644267	47161360	250.000	250.000
40) i 3262_1br2nb	0.990	1.034	32644267	47161360	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.246	1.379	10638553	13921640	62.450	57.796
Spiked Amount 500.000	Range 30 - 150				Recovery =	12.49%# 11.56%#
3) s Decachlorobi	4.002	4.513	3913980	15149409	28.642M4	74.563
Spiked Amount 500.000	Range 30 - 150				Recovery =	5.73%# 14.91%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.566	2.954	25188936	34508994	2927.731	2720.111
10) l2 1260-2	2.710	3.069	44664352	50611048	3452.641	3399.643
11) l2 1260-3	3.054	3.487	26767137	35456299	3179.650	2732.465
12) l2 1260-4	3.224	3.629	60164239	91047024	3398.870	3334.312
13) l2 1260-5	3.381	3.840	47098777	62227489	3682.272M1	3280.509
Sum 1260-1			203.9E6	273.9E6	16641.164	15467.040
Average 1260-1					3328.233	3093.408

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 01:05 pm
 Operator : pest19:aws
 Sample : l2006870-09d,42e,5,rr (Sig #1); l2006870-09d,42r,5,rr (Sig #2)
 Misc : wgl342243,wgl341307,ical16321
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:57:42 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 01:05 pm
 Operator : pest19:aws
 Sample : l2006870-09d,42e,5,rr (Sig #1); l2006870-09d,42r,5,rr (Sig #2)
 Misc : wgl342243,wgl341307,ical16321
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:57:42 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

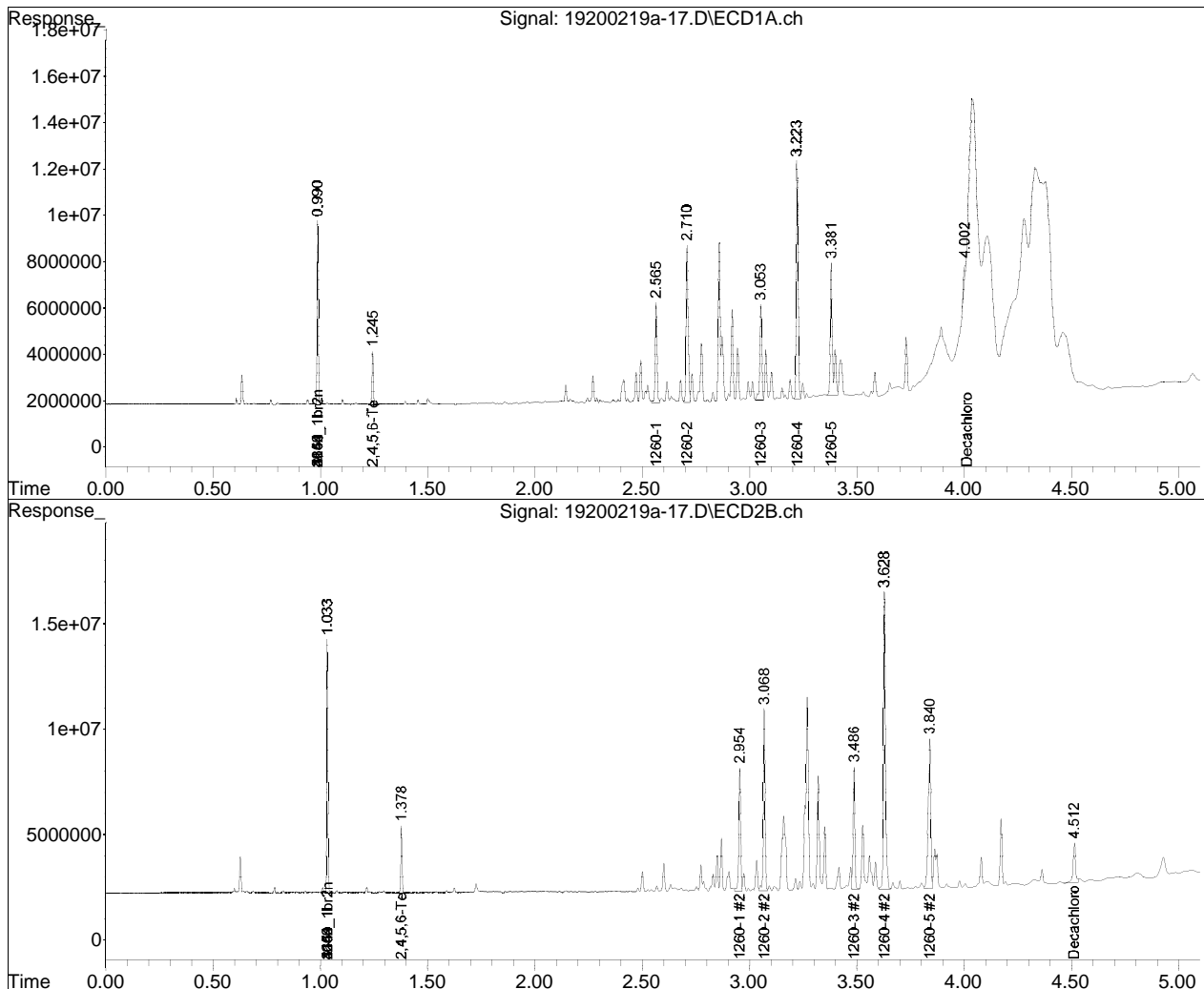
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200219a\
Data File : 19200219a-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2020 01:05 pm
Operator : pest19:aws
Sample : 12006870-09d,42e,5,rr (Sig #1); 12006870-09d,42r,5,rr (Sig #2)
Misc : wg1342243,wg1341307,ical16321
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 20 17:57:42 2020
Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sun Feb 16 19:46:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

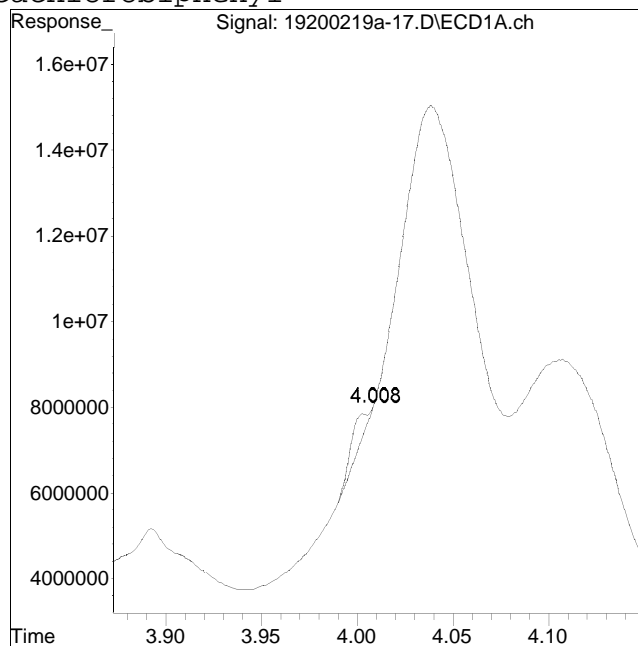
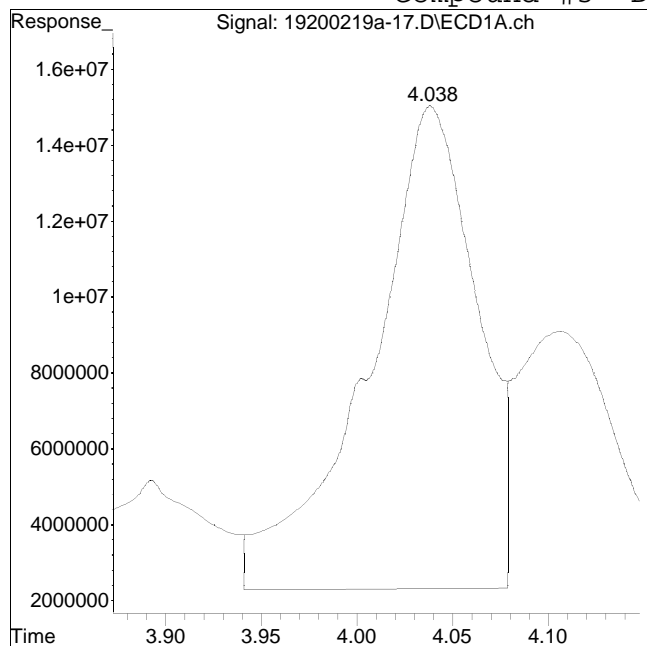


Manual Integration Report

Data Path : I:\Pest19\200219a\
Data File : 19200219a-17.D
Date Inj'd : 2/19/2020 1:05 pm
Sample : 12006870-09d,42e,5,rr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/20/2020 5:26 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 500376158

Manual Peak Response = 3913980 M4

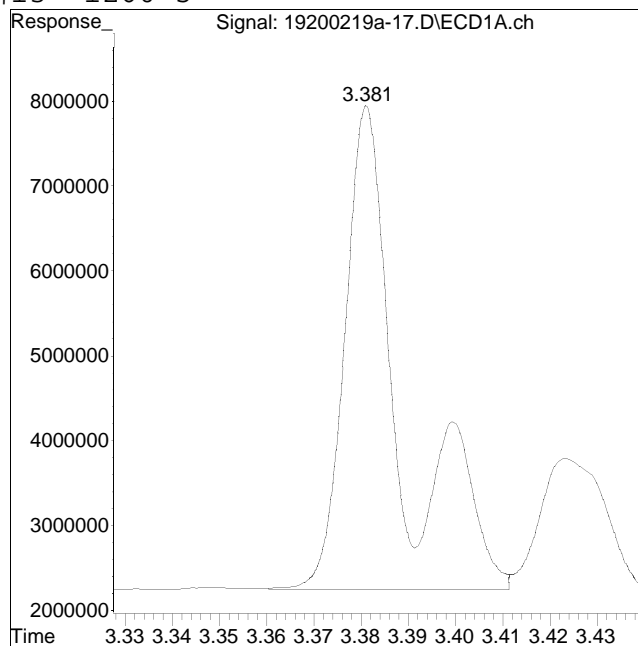
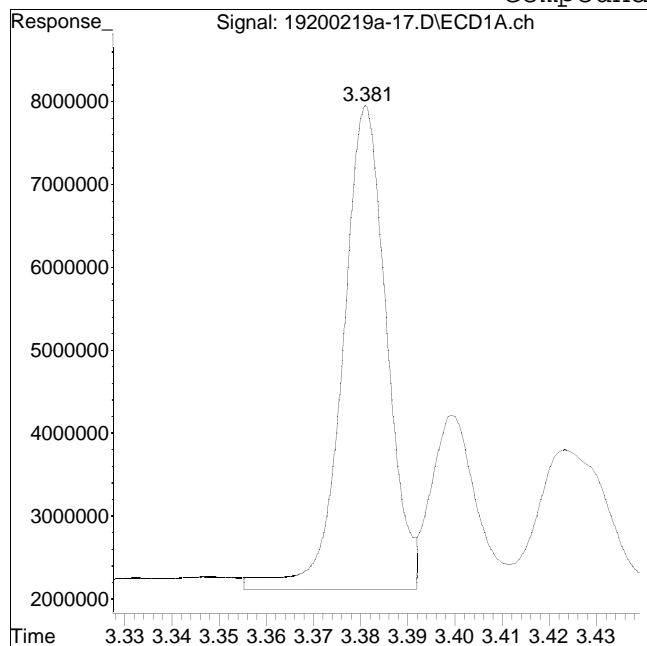
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200219a\
Data File : 19200219a-17.D
Date Inj'd : 2/19/2020 1:05 pm
Sample : 12006870-09d,42e,5,rr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/20/2020 5:26 pm

Compound #13: 1260-5



Original Peak Response = 37741675

Manual Peak Response = 47098777 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 01:12 pm
 Operator : pest19:aws
 Sample : l2006870-05d,42e,20,rr (Sig #1); l2006870-05d,42r,20,rr (Sig #2)
 Misc : wgl342243,wgl341307,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:58:40 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.990	1.034	32093953	45891356	250.000	250.000
Standard Area 1 : #1 = 26798508					Recovery =	119.76%
Standard Area 1 : #2 = 38807976					Recovery =	118.25%
14) i 2154_1br2nb	0.990	1.034	32093953	45891356	250.000	250.000
23) i 4268_1br2nb	0.990	1.034	32093953	45891356	250.000	250.000
34) i 1248_1br2nb	0.990	1.034	32093953	45891356	250.000	250.000
40) i 3262_1br2nb	0.990	1.034	32093953	45891356	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.565	2.954	23669099	33547911	2798.252	2717.535M3
10) l2 1260-2	2.710	3.068	43259100	48872247	3401.352	3373.694M3
11) l2 1260-3	3.054	3.486	23893448	32621994	2886.955	2583.611M3
12) l2 1260-4	3.224	3.628	57315945	83091450	3293.482	3127.176M4
13) l2 1260-5	3.381	3.840	44365488	59307754	3528.054M1	3213.112M3
Sum 1260-1			192.5E6	257.4E6	15908.094	15015.129
Average 1260-1					3181.619	3003.026

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 01:12 pm
 Operator : pest19:aws
 Sample : l2006870-05d,42e,20,rr (Sig #1); l2006870-05d,42r,20,rr (Sig #2)
 Misc : wgl342243,wgl341307,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:58:40 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17) 13 1221-4	0.000	0.000	0	0	N.D.	N.D.
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D.
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 01:12 pm
 Operator : pest19:aws
 Sample : 12006870-05d,42e,20,rr (Sig #1); 12006870-05d,42r,20,rr (Sig #2)
 Misc : wgl342243,wgl341307,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:58:40 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D.	N.D.
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 01:12 pm
 Operator : pest19:aws
 Sample : l2006870-05d,42e,20,rr (Sig #1); l2006870-05d,42r,20,rr (Sig #2)
 Misc : wgl342243,wgl341307,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 17:58:40 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

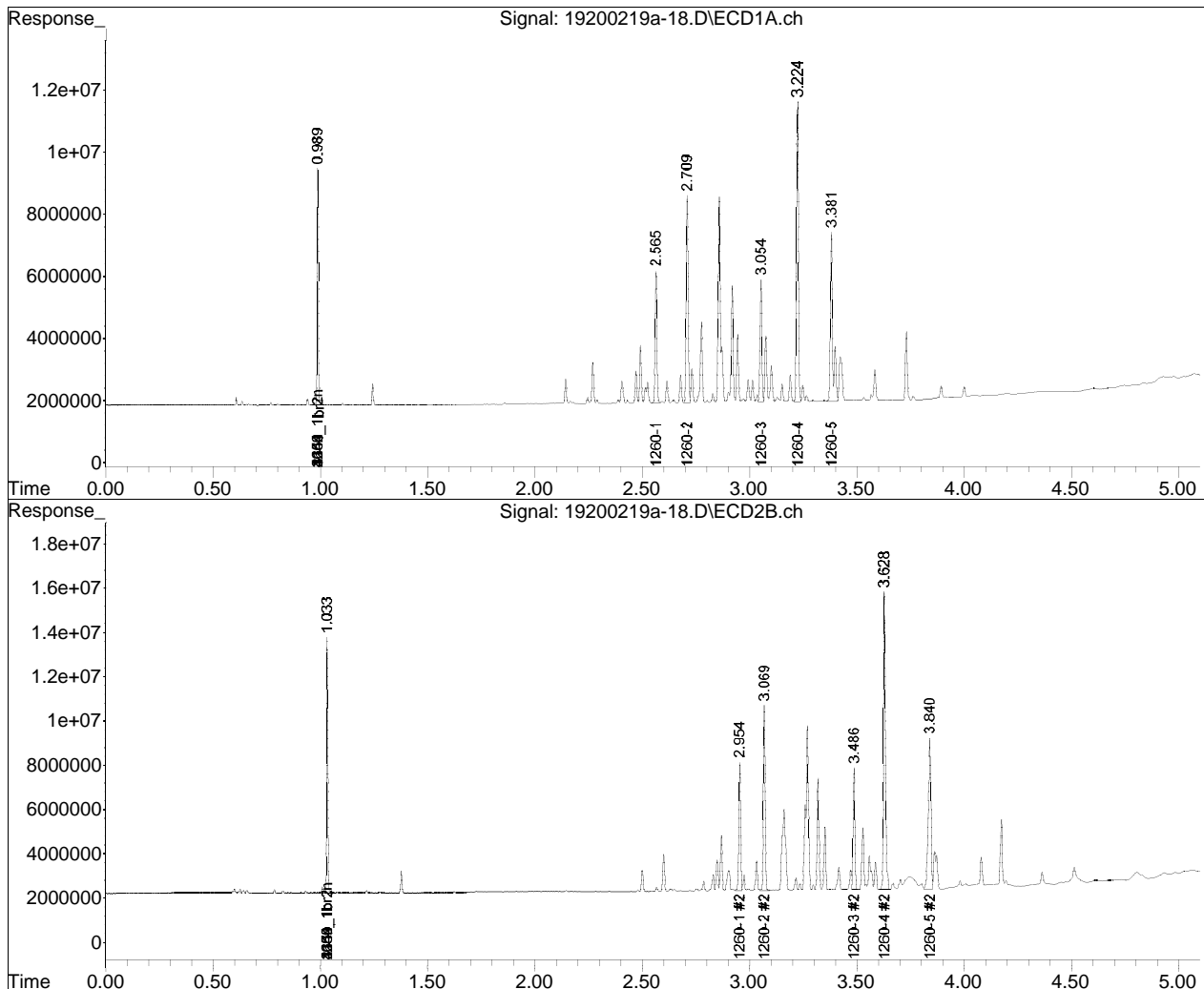
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200219a\
Data File : 19200219a-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2020 01:12 pm
Operator : pest19:aws
Sample : 12006870-05d,42e,20,rr (Sig #1); 12006870-05d,42r,20,rr (Sig #2)
Misc : wg1342243,wg1341307,ical16321
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 20 17:58:40 2020
Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sun Feb 16 19:46:27 2020
Response via : Initial Calibration
Integrator: ChemStation

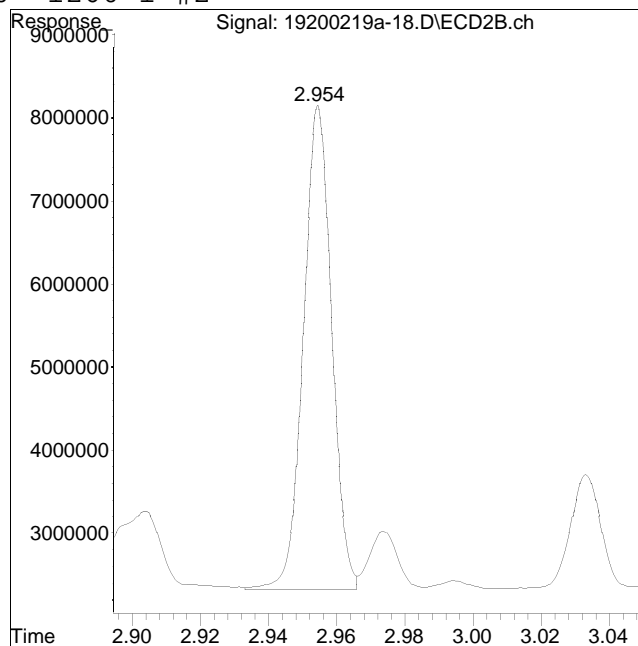
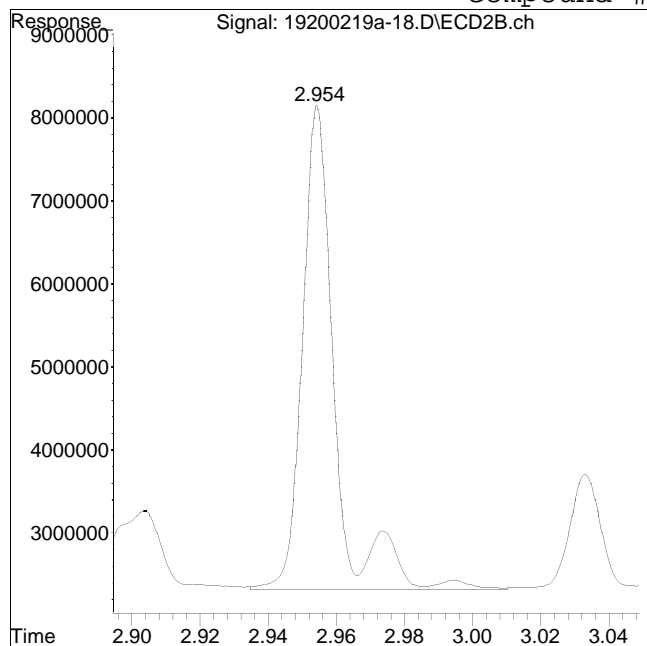
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest19\200219a\ QMethod : P19_pcb_11_20_19_ugL_ICA
Data File : 19200219a-18.D Operator : pest19:aws
Date Inj'd : 2/19/2020 1:12 pm Instrument : Pest 19
Sample : 12006870-05d,42e,20,rr Quant Date : 2/20/2020 5:26 pm

Compound #60: 1260-1 #2



Original Peak Response = 38554520

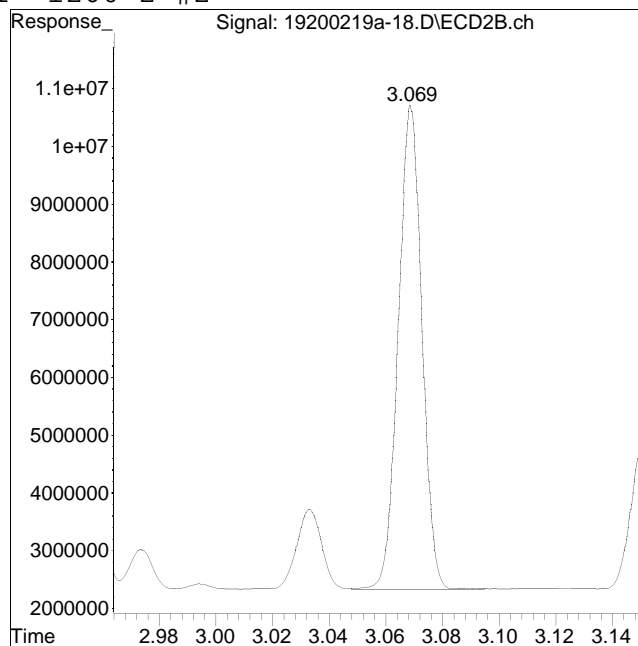
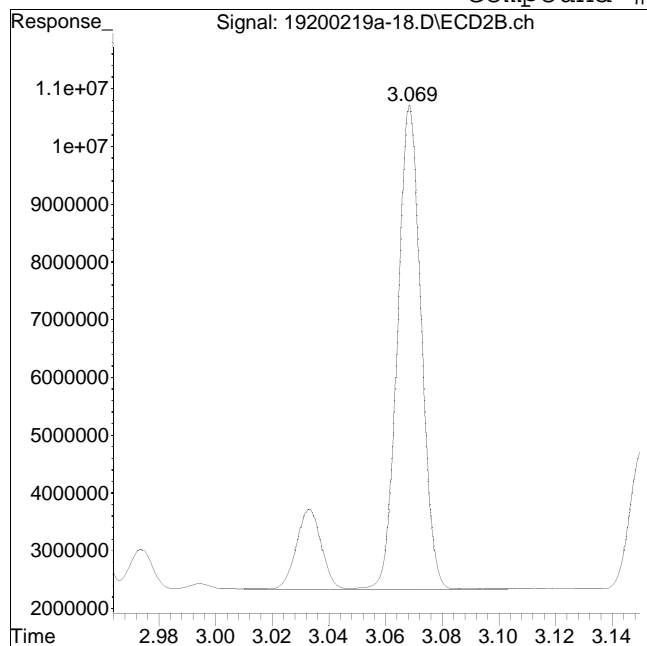
Manual Peak Response = 33547911 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200219a\ QMethod : P19_pcb_11_20_19_ugL_ICA
Data File : 19200219a-18.D Operator : pest19:aws
Date Inj'd : 2/19/2020 1:12 pm Instrument : Pest 19
Sample : 12006870-05d,42e,20,rr Quant Date : 2/20/2020 5:26 pm

Compound #61: 1260-2 #2



Original Peak Response = 57678330

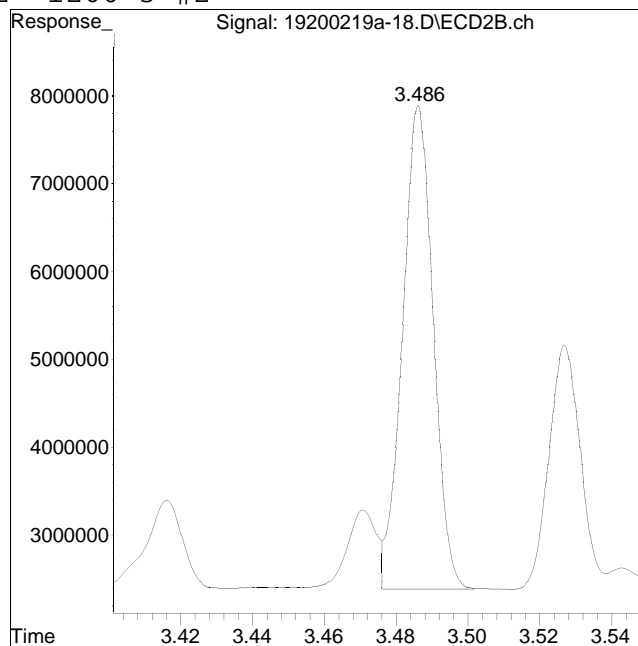
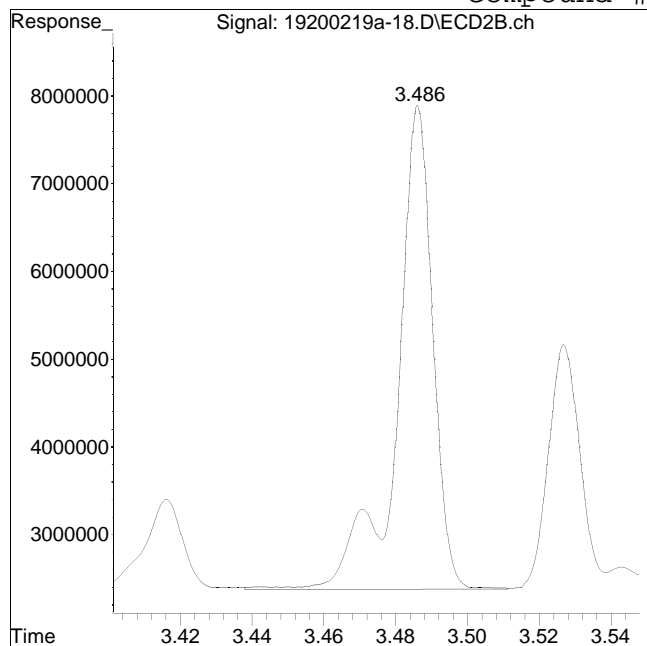
Manual Peak Response = 48872247 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200219a\ QMethod : P19_pcb_11_20_19_ugL_ICA
Data File : 19200219a-18.D Operator : pest19:aws
Date Inj'd : 2/19/2020 1:12 pm Instrument : Pest 19
Sample : 12006870-05d,42e,20,rr Quant Date : 2/20/2020 5:26 pm

Compound #62: 1260-3 #2



Original Peak Response = 38590771

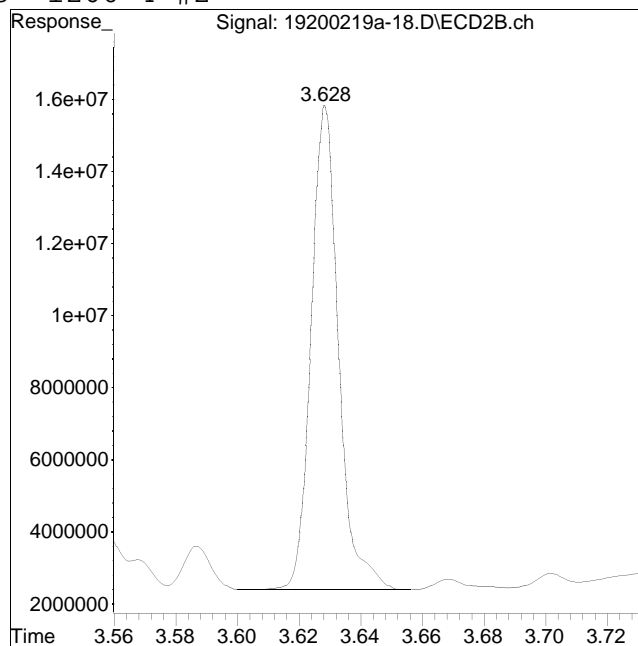
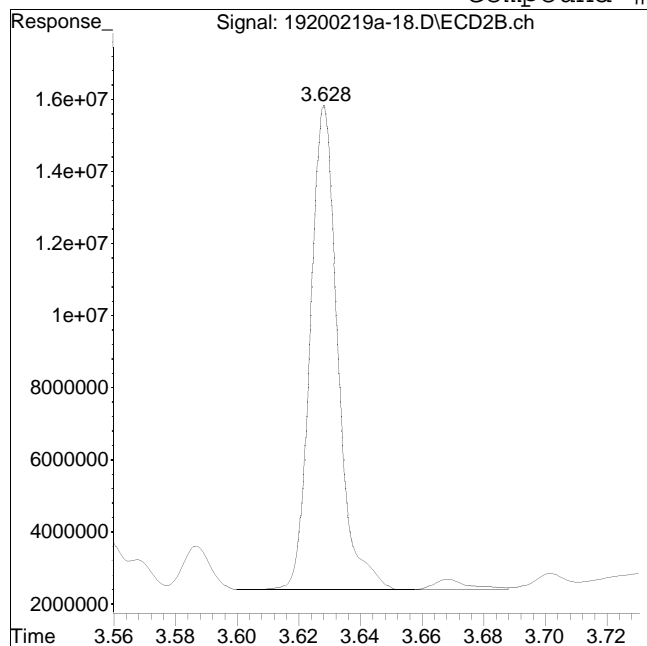
Manual Peak Response = 32621994 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200219a\ QMethod : P19_pcb_11_20_19_ugL_ICA
Data File : 19200219a-18.D Operator : pest19:aws
Date Inj'd : 2/19/2020 1:12 pm Instrument : Pest 19
Sample : 12006870-05d,42e,20,rr Quant Date : 2/20/2020 5:26 pm

Compound #63: 1260-4 #2



Original Peak Response = 85177273

Manual Peak Response = 83091450 M4

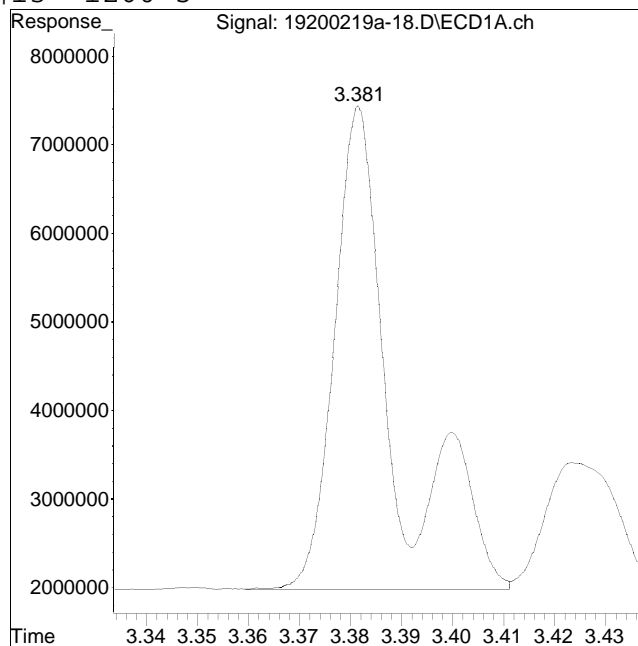
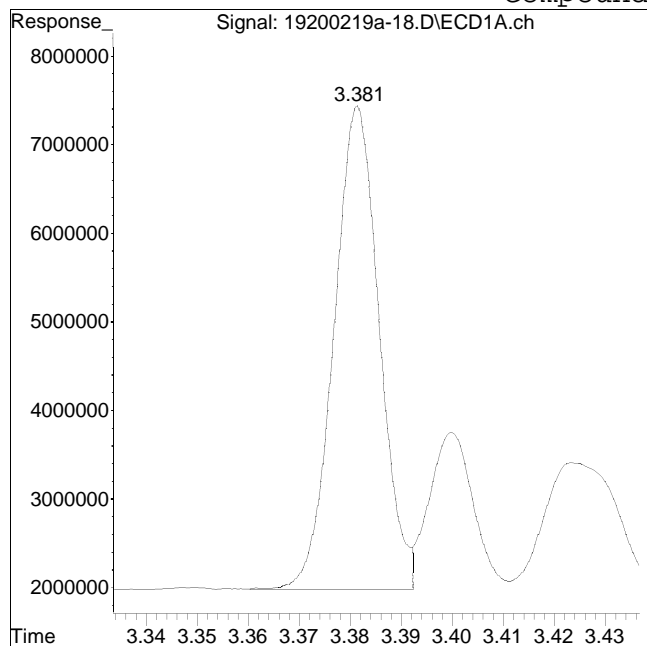
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200219a\
Data File : 19200219a-18.D
Date Inj'd : 2/19/2020 1:12 pm
Sample : 12006870-05d,42e,20,rr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/20/2020 5:26 pm

Compound #13: 1260-5



Original Peak Response = 33621865

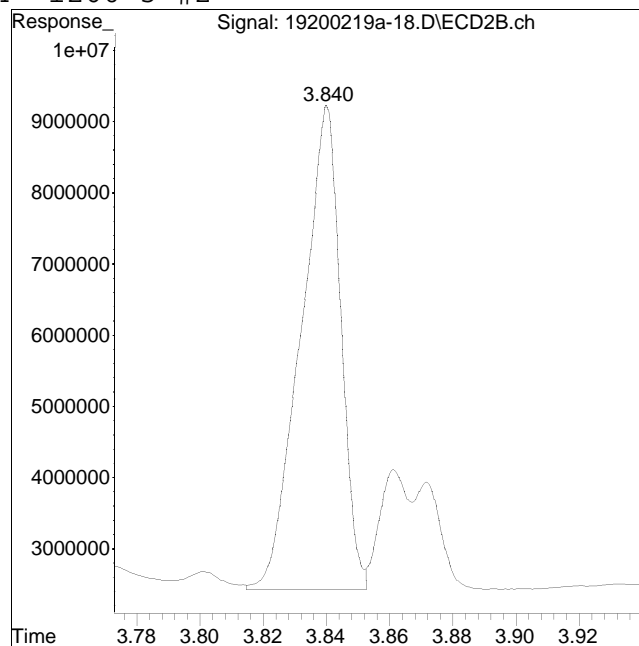
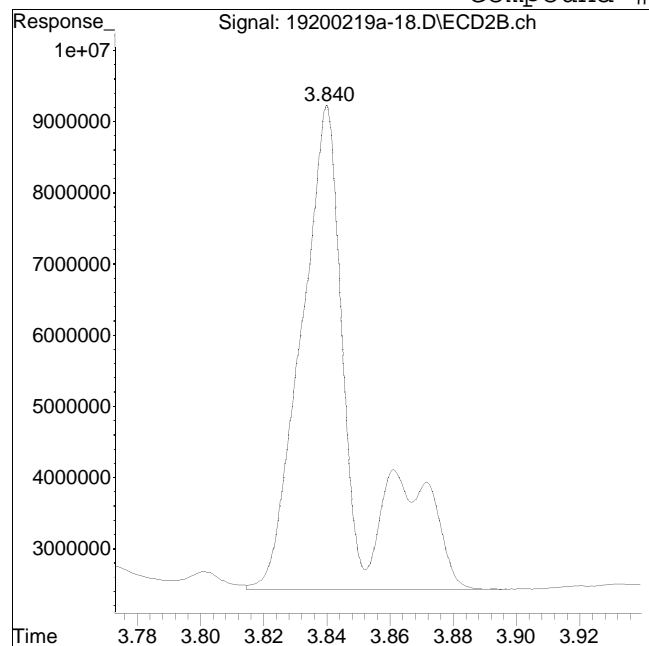
Manual Peak Response = 44365488 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200219a\ QMethod : P19_pcb_11_20_19_ugL_ICA
Data File : 19200219a-18.D Operator : pest19:aws
Date Inj'd : 2/19/2020 1:12 pm Instrument : Pest 19
Sample : 12006870-05d,42e,20,rr Quant Date : 2/20/2020 5:26 pm

Compound #64: 1260-5 #2



Original Peak Response = 78230261

Manual Peak Response = 59307754 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 01:19 pm
 Operator : pest19:aws
 Sample : l2006870-04d,42e,100,rr (Sig #1); l2006870-04d,42r,100,rr (Sig #2)
 Misc : wgl342243,wgl341307,icall6321
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 18:00:06 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.990	1.034	30737298	44203164	250.000	250.000
Standard Area 1 : #1 = 26798508					Recovery =	114.70%
Standard Area 1 : #2 = 38807976					Recovery =	113.90%
14) i 2154_1br2nb	0.990	1.034	30737298	44203164	250.000	250.000
23) i 4268_1br2nb	0.990	1.034	30737298	44203164	250.000	250.000
34) i 1248_1br2nb	0.990	1.034	30737298	44203164	250.000	250.000
40) i 3262_1br2nb	0.990	1.034	30737298	44203164	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.565	2.954	32324035	45767814	3990.140	3848.996
10) l2 1260-2	2.710	3.069	60540086	68734995	4970.210	4926.050
11) l2 1260-3	3.053	3.486	38825639	48999794	4898.209	4028.918
12) l2 1260-4	3.222	3.628	87766057	127.3E6	5265.794M4	4975.104
13) l2 1260-5	3.380	3.839	65448710	90967550	5434.362M1	5116.564
Sum 1260-1			284.9E6	381.8E6	24558.714	22895.632
Average 1260-1					4911.743	4579.126

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 01:19 pm
 Operator : pest19:aws
 Sample : l2006870-04d,42e,100,rr (Sig #1); l2006870-04d,42r,100,rr (Sig #2)
 Misc : wgl342243,wgl341307,ical16321
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 18:00:06 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D.	N.D.
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200219a\
 Data File : 19200219a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2020 01:19 pm
 Operator : pest19:aws
 Sample : l2006870-04d,42e,100,rr (Sig #1); l2006870-04d,42r,100,rr (Sig #2)
 Misc : wgl342243,wgl341307,icall16321
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 18:00:06 2020
 Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Sun Feb 16 19:46:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200219a\19200219a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D.	N.D.
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

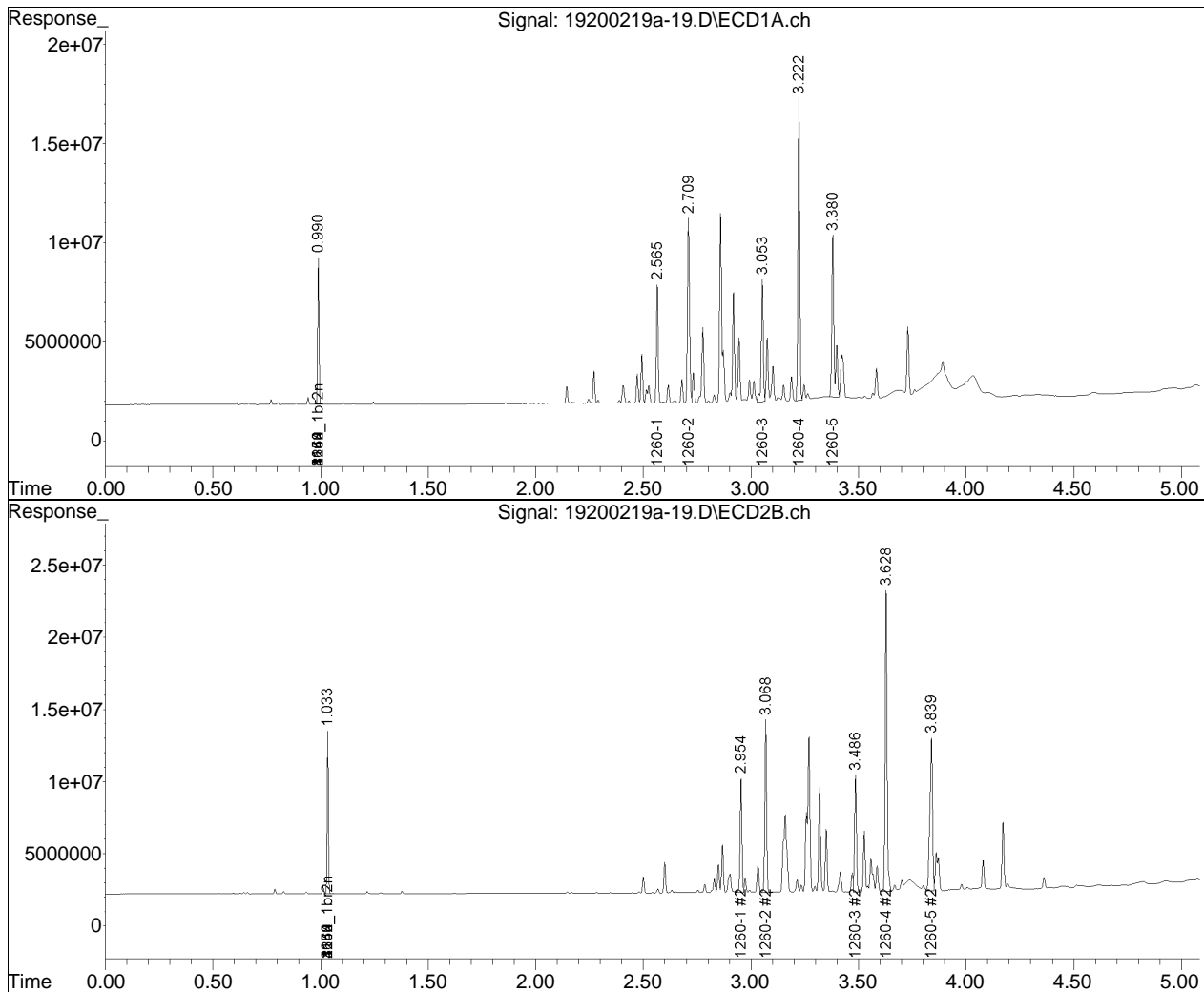
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda-02.D••d)

Data Path : I:\Pest19\200219a\
Data File : 19200219a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2020 01:19 pm
Operator : pest19:aws
Sample : 12006870-04d,42e,100,rr (Sig #1); 12006870-04d,42r,100,rr (Sig #2)
Misc : wg1342243,wg1341307,ical16321
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 20 18:00:06 2020
Quant Method : I:\Pest19\200219a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Sun Feb 16 19:46:27 2020
Response via : Initial Calibration
Integrator: ChemStation

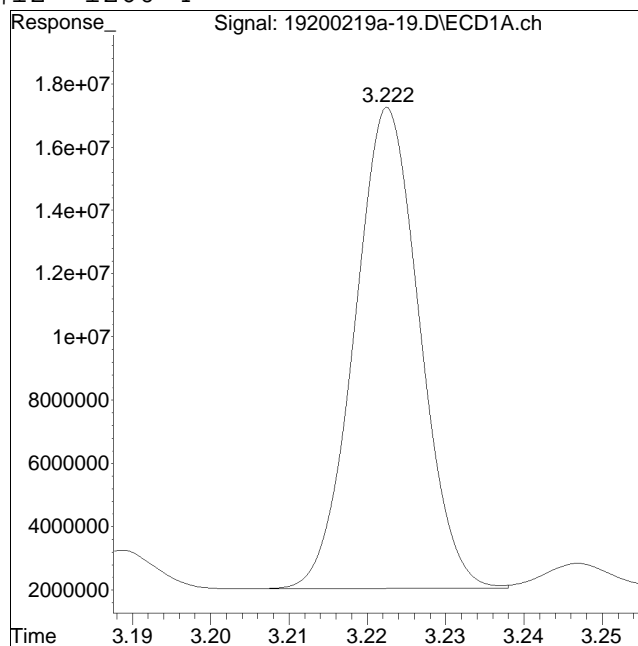
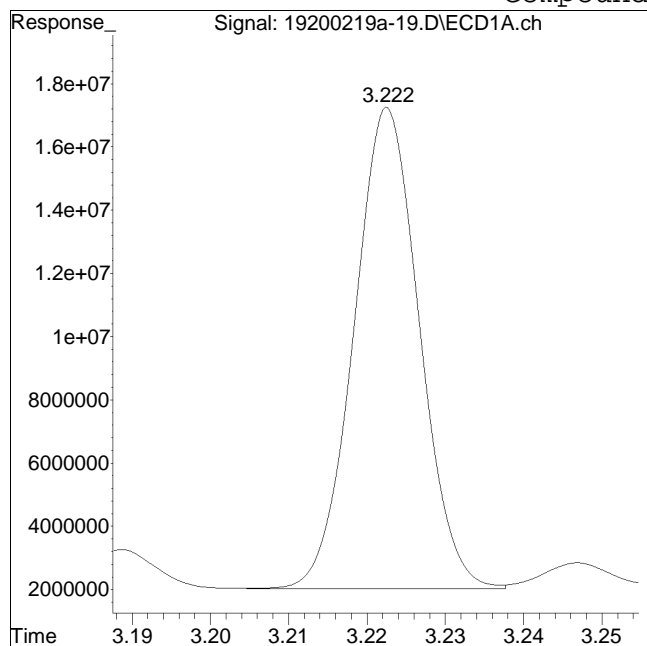
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest19\200219a\ QMethod : P19_pcb_11_20_19_ugL_ICA
Data File : 19200219a-19.D Operator : pest19:aws
Date Inj'd : 2/19/2020 1:19 pm Instrument : Pest 19
Sample : 12006870-04d,42e,100,rr Quant Date : 2/20/2020 5:26 pm

Compound #12: 1260-4



Original Peak Response = 88347660

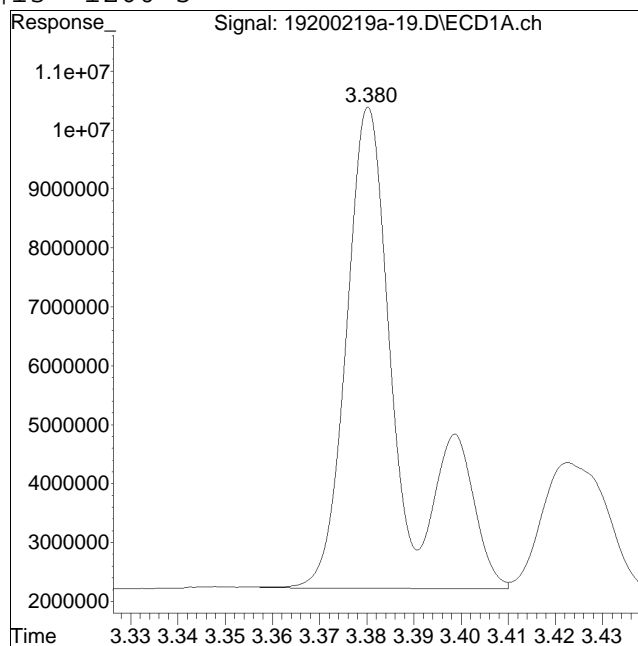
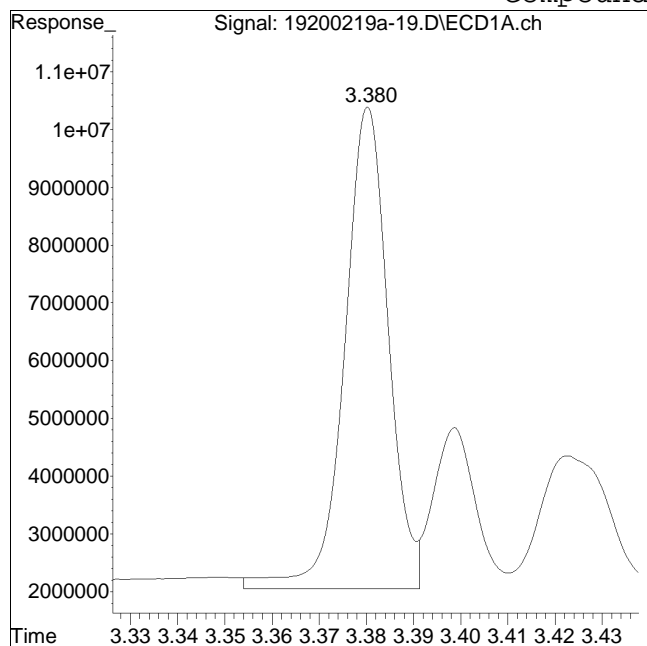
Manual Peak Response = 87766057 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200219a\ QMethod : P19_pcb_11_20_19_ugL_ICA
Data File : 19200219a-19.D Operator : pest19:aws
Date Inj'd : 2/19/2020 1:19 pm Instrument : Pest 19
Sample : 12006870-04d,42e,100,rr Quant Date : 2/20/2020 5:26 pm

Compound #13: 1260-5



Original Peak Response = 53915296

Manual Peak Response = 65448710 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200219A\
 Data File : P2200219a-36.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 19 Feb 2020 4:32 pm
 Operator : pest2:aws
 Sample : l2006870-11,42e,,
 Misc : wgl342194,wgl341993,ical16010
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 15:07:24 2020
 Quant Method : I:\Pest2\200219A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200219A\P2200219a-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.097	2.286	187.9E6	126.6E6	25.000	25.000
Standard Area 1 : #1 = 106667128					Recovery =	176.14%
Standard Area 1 : #2 = 73331861					Recovery =	172.58%
14) i 2154_1br2nb	2.097	2.286	187.9E6	126.6E6	25.000	25.000
23) i 4268_1br2nb	2.097	2.286	187.9E6	126.6E6	25.000	25.000
34) i 1248_1br2nb	2.097	2.286	187.9E6	126.6E6	25.000	25.000
40) i 3262_1br2nb	2.097	2.286	187.9E6	126.6E6	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.577	2.929	62811758	44473736	8.148	8.340
Spiked Amount 20.000	Range 30 - 150				Recovery =	40.74%
3) s Decachlorobi	6.573	7.275	46511283	31031680	6.285	7.444
Spiked Amount 20.000	Range 30 - 150				Recovery =	31.43%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200219A\
 Data File : P2200219a-36.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 19 Feb 2020 4:32 pm
 Operator : pest2:aws
 Sample : l2006870-11,42e,,
 Misc : wgl1342194,wgl1341993,ical16010
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 15:07:24 2020
 Quant Method : I:\Pest2\200219A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200219A\P2200219a-26.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200219A\
 Data File : P2200219a-36.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 19 Feb 2020 4:32 pm
 Operator : pest2:aws
 Sample : l2006870-11,42e,,
 Misc : wgl342194,wgl341993,ical16010
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 15:07:24 2020
 Quant Method : I:\Pest2\200219A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200219A\P2200219a-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D.	N.D.
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

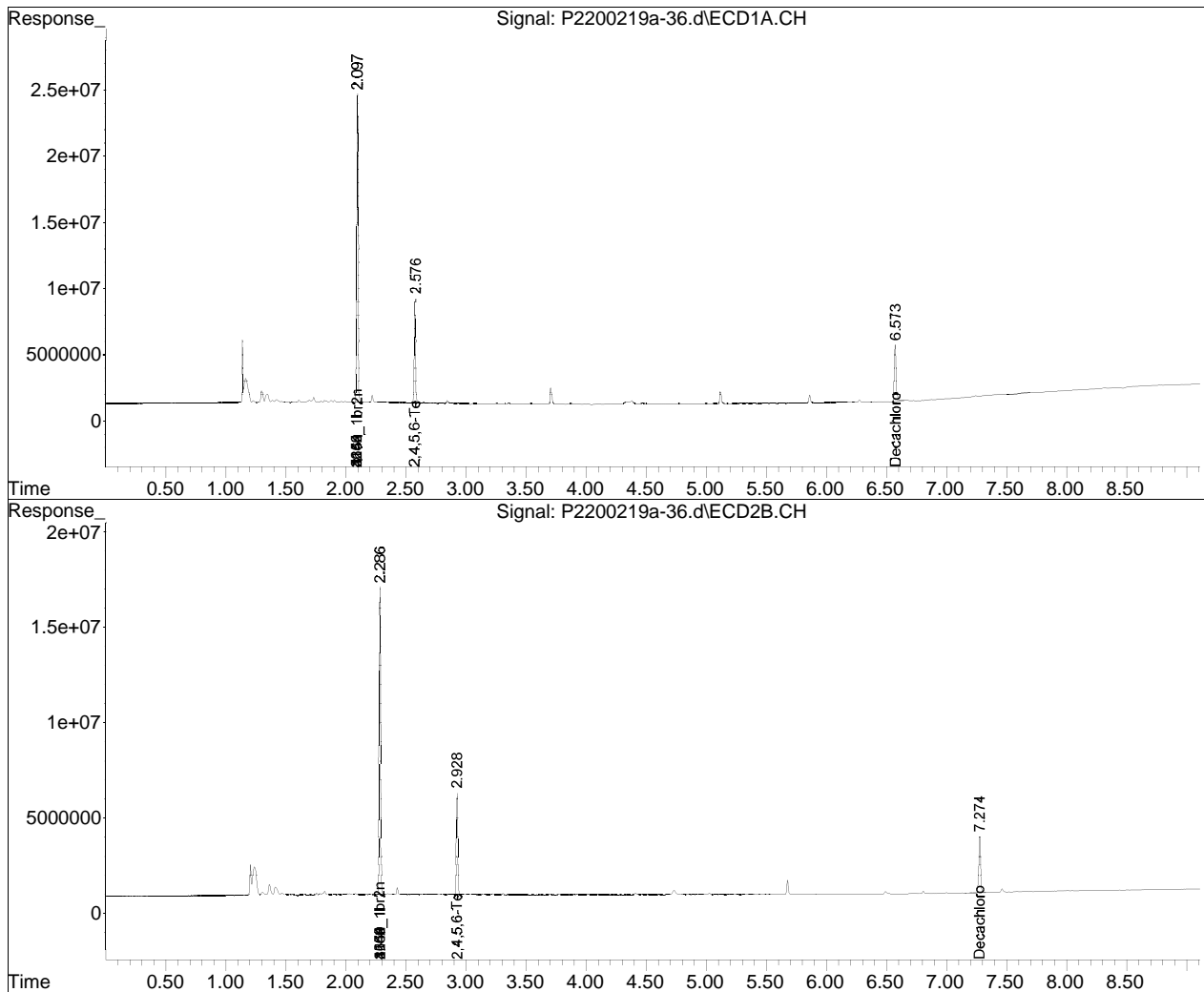
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-26.d••ed)

Data Path : I:\Pest2\200219A\
Data File : P2200219a-36.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2020 4:32 pm
Operator : pest2:aws
Sample : l2006870-11,42e,,
Misc : wg1342194,wg1341993,ical16010
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 15:07:24 2020
Quant Method : I:\Pest2\200219A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 13 20:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest2\200219A\ Data File	: P200219a-36.d	QMethod	: P2_pcb_08_06_19_LVI_ugL_
Date Inj'd	: 2/19/2020 4:32 pm		Operator	: pest2:aws
Sample	: 12006870-11,42e,,		Instrument	: PEST 2
			Quant Date	: 2/21/2020 3:06 pm

There are no manual integrations or false positives in this file.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-19.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 4:21 pm
 Operator : pest13:jm
 Sample : wg1341307-1,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 17:40:37 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.152	2.159	644.3E6	1824.6E6	250.000	250.000
Standard Area 1 : #1 = 645959697					Recovery =	99.74%
Standard Area 1 : #2 = 1874621939					Recovery =	97.33%
14) i 2154_1br2nb	2.152	2.159	644.3E6	1824.6E6	250.000	250.000
23) i 4268_1br2nb	2.152	2.159	644.3E6	1824.6E6	250.000	250.000
34) i 1248_1br2nb	2.152	2.159	644.3E6	1824.6E6	250.000	250.000
40) i 3262_1br2nb	2.152	2.159	644.3E6	1824.6E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.632	2.752	1130.6E6	3226.2E6	398.277	434.714
Spiked Amount 500.000	Range 30 - 150		Recovery =		79.66%	86.94%
3) s Decachlorobi	6.617	7.032	711.6E6	1716.4E6	324.895	436.176
Spiked Amount 500.000	Range 30 - 150		Recovery =		64.98%	87.24%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-19.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 4:21 pm
 Operator : pest13:jm
 Sample : wg1341307-1,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 17:40:37 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20)	14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200218A\
 Data File : 13200218a-19.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 18 Feb 2020 4:21 pm
 Operator : pest13:jm
 Sample : wg1341307-1,42e,,
 Misc : wg1341757,wg1341307,ical16298
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 18 17:40:37 2020
 Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
 Quant Title : pcb
 QLast Update : Wed Feb 12 21:30:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200218A\13200218a-01.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

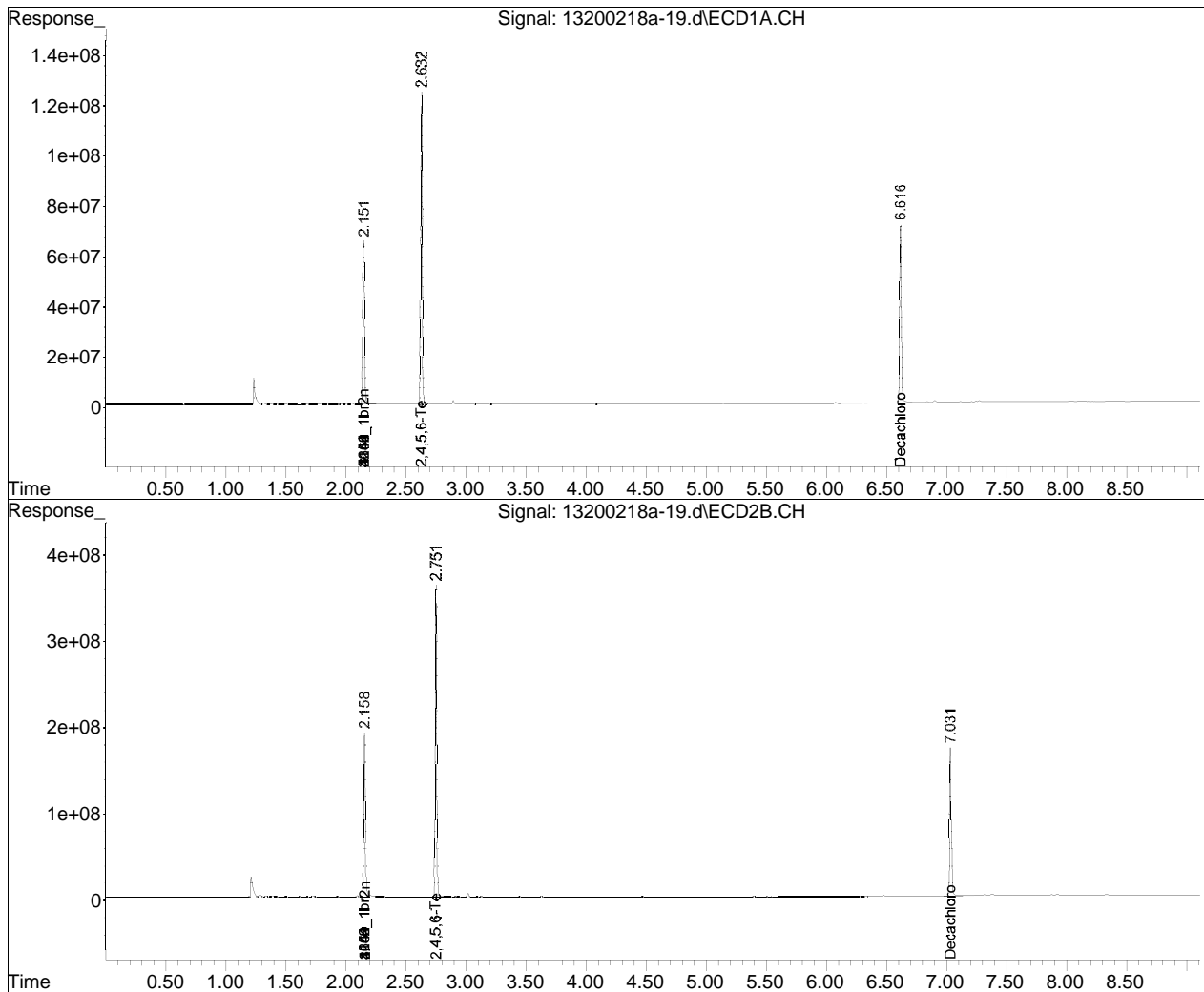
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-01.d••d)

Data Path : I:\Pest13\200218A\
Data File : 13200218a-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2020 4:21 pm
Operator : pest13:jm
Sample : wg1341307-1,42e,,
Misc : wg1341757,wg1341307,ical16298
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 18 17:40:37 2020
Quant Method : I:\Pest13\200218A\P13_pcb_11_14_19_ugL_ICAL16298.m
Quant Title : pcb
QLast Update : Wed Feb 12 21:30:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest13\200218A\ Data File	: 13200218a-19.d	QMethod	: P13_pcb_11_14_19_ugL_ICA
Date Inj'd	: 2/18/2020 4:21 pm		Operator	: pest13:jm
Sample	: wg1341307-1,42e,,		Instrument	: PEST 13
			Quant Date	: 2/18/2020 5:40 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200219A\
 Data File : P2200219a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 19 Feb 2020 12:01 pm
 Operator : pest2:aws
 Sample : wg1341993-1,42e,,986 (Sig #1); wg1341989-1,42e,,933 (Sig #2)
 Misc : wg1342194,wg1341993,icall16010
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 15:13:44 2020
 Quant Method : I:\Pest2\200219A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200219A\P2200219a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.100	2.284	132.5E6	88011103	25.000	25.000
Standard Area 1 : #1 = 104874820					Recovery =	126.36%
Standard Area 1 : #2 = 72284488					Recovery =	121.76%
14) i 2154_1br2nb	2.100	2.284	132.5E6	88011103	25.000	25.000
23) i 4268_1br2nb	2.100	2.284	132.5E6	88011103	25.000	25.000
34) i 1248_1br2nb	2.100	2.284	132.5E6	88011103	25.000	25.000
40) i 3262_1br2nb	2.100	2.284	132.5E6	88011103	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.581	2.926	62548252	43210373	11.503	11.652
Spiked Amount 20.000	Range 30 - 150				Recovery =	57.52% 58.26%
3) s Decachlorobi	6.585	7.286f	55903456	38578624	10.710	13.308
Spiked Amount 20.000	Range 30 - 150				Recovery =	53.55% 66.54%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200219A\
 Data File : P2200219a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 19 Feb 2020 12:01 pm
 Operator : pest2:aws
 Sample : wg1341993-1,42e,,986 (Sig #1); wg1341989-1,42e,,933 (Sig #2)
 Misc : wg1342194,wg1341993,icall16010
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 15:13:44 2020
 Quant Method : I:\Pest2\200219A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200219A\P2200219a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200219A\
 Data File : P2200219a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 19 Feb 2020 12:01 pm
 Operator : pest2:aws
 Sample : wg1341993-1,42e,,986 (Sig #1); wg1341989-1,42e,,933 (Sig #2)
 Misc : wg1342194,wg1341993,icall16010
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 15:13:44 2020
 Quant Method : I:\Pest2\200219A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200219A\P2200219a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

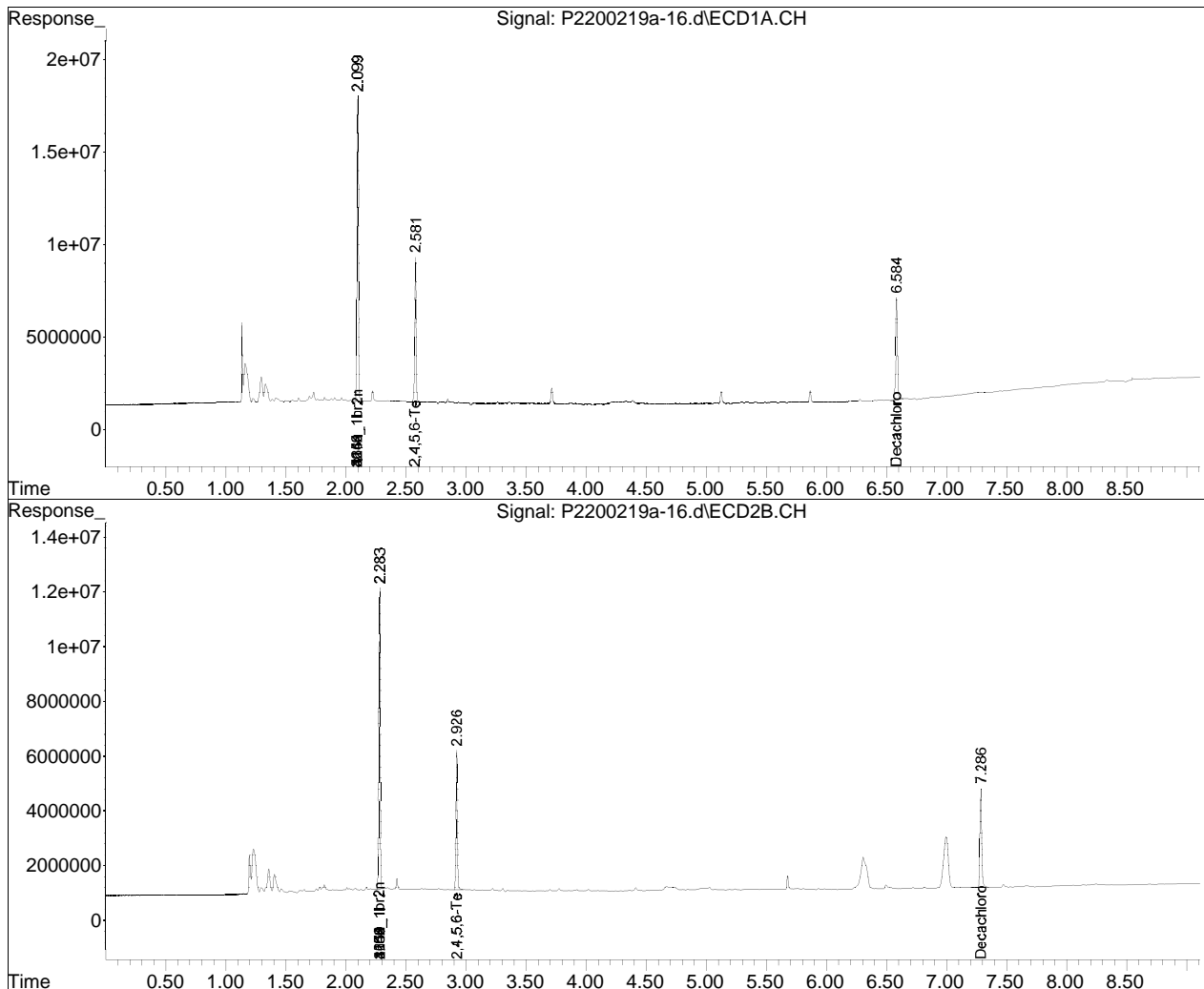
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200219A\
Data File : P2200219a-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2020 12:01 pm
Operator : pest2:aws
Sample : wg1341993-1,42e,,986 (Sig #1); wg1341989-1,42e,,933 (Sig #2)
Misc : wg1342194,wg1341993,ical16010
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 15:13:44 2020
Quant Method : I:\Pest2\200219A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 13 20:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest2\200219A\ Data File	: P200219a-16.d	QMethod	: P2_pcb_08_06_19_LVI_ugL_
Date Inj'd	: 2/19/2020 12:01 pm		Operator	: pest2:aws
Sample	: wg1341993-1,42e,,986		Instrument	: PEST 2
			Quant Date	: 2/19/2020 2:53 pm

There are no manual integrations or false positives in this file.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-01	Date Collected : 02/14/20 09:55
Client ID : E-191-0.5-1.0	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 10:01
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1341075.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-02	Date Collected : 02/14/20 10:58
Client ID : E-192-0.5-1.0	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 10:01
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1341075.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 76
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	76.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-03	Date Collected : 02/14/20 11:45
Client ID : E-197-0.5-1.0	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 10:01
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1341075.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-04	Date Collected : 02/14/20 12:33
Client ID : E-199-0.5-1.0	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 10:01
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1341075.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-05	Date Collected : 02/14/20 12:39
Client ID : E-199-2.0-2.5	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 10:01
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1341075.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-06	Date Collected : 02/14/20 13:15
Client ID : E-198-0.5-1.0	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 10:01
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1341075.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 89
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-07	Date Collected : 02/14/20 13:22
Client ID : E-198-2.0-2.5	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 10:01
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1341075.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-08	Date Collected : 02/14/20 13:29
Client ID : E-198-3.0-3.5	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 10:01
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1341075.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 89
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-09	Date Collected : 02/14/20 13:49
Client ID : E-190-0.5-1.0	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 10:01
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1341075.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 73
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	73.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2006870
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2006870-10	Date Collected : 02/14/20 00:00
Client ID : X-7-02142020	Date Received : 02/14/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/15/20 10:01
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1341075.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.9	0.100	NA	





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Lab Number: L2007286

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK- EAST BARRACKS

Project Number: 277710568.0008.06

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**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0008.06		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2007286		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/18/2020		Date of Last Sample Receipt: 02/18/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-204-0.5-1.0	L2007286-01	AMTRAK- EAST BARRACK	02/18/2020 09:18
E-204-2.0-2.5	L2007286-02	AMTRAK- EAST BARRACK	02/18/2020 09:38
E-204-3.0-3.5	L2007286-03	AMTRAK- EAST BARRACK	02/18/2020 09:48
E-204-4.0-4.5	L2007286-04	AMTRAK- EAST BARRACK	02/18/2020 09:56
E-138-0.5-1.0	L2007286-05	AMTRAK- EAST BARRACK	02/18/2020 10:44
E-138-2.0-2.5	L2007286-06	AMTRAK- EAST BARRACK	02/18/2020 11:45
E-146-0.5-1.0	L2007286-07	AMTRAK- EAST BARRACK	02/18/2020 11:06
E-146-2.0-2.5	L2007286-08	AMTRAK- EAST BARRACK	02/18/2020 12:10
E-146-3.0-3.5	L2007286-09	AMTRAK- EAST BARRACK	02/18/2020 12:22
E-146-4.0-4.5	L2007286-10	AMTRAK- EAST BARRACK	02/18/2020 12:30
E-148-0.5-1.0	L2007286-11	AMTRAK- EAST BARRACK	02/18/2020 12:41
E-148-2.0-2.5	L2007286-12	AMTRAK- EAST BARRACK	02/18/2020 13:01
E-148-3.0-3.5	L2007286-13	AMTRAK- EAST BARRACK	02/18/2020 13:11
E-190-1.5-2.0	L2007286-14	AMTRAK- EAST BARRACK	02/18/2020 13:39
E-191-1.5-2.0	L2007286-15	AMTRAK- EAST BARRACK	02/18/2020 13:58
E-192-1.5-2.0	L2007286-16	AMTRAK- EAST BARRACK	02/18/2020 14:10
E-193-0.5-1.0	L2007286-17	AMTRAK- EAST BARRACK	02/18/2020 14:26
E-193-2.0-2.5	L2007286-18	AMTRAK- EAST BARRACK	02/18/2020 14:32
E-193-3.0-3.5	L2007286-19	AMTRAK- EAST BARRACK	02/18/2020 14:46
E-195-0.5-1.0	L2007286-20	AMTRAK- EAST BARRACK	02/18/2020 14:58
E-195-2.0-2.5	L2007286-21	AMTRAK- EAST BARRACK	02/18/2020 15:02

Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0008.06	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2007286	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/18/2020	Date of Last Sample Receipt: 02/18/2020

E-195-3.0-3.5	L2007286-22	AMTRAK- EAST BARRACK	02/18/2020 15:13
E-194-0.5-1.0	L2007286-23	AMTRAK- EAST BARRACK	02/18/2020 15:33
E-194-2.0-2.5	L2007286-24	AMTRAK- EAST BARRACK	02/18/2020 15:40
E-194-3.0-3.5	L2007286-25	AMTRAK- EAST BARRACK	02/18/2020 15:47
E-188-0.5-1.0	L2007286-26	AMTRAK- EAST BARRACK	02/18/2020 16:03
E-188-1.5-2.0	L2007286-27	AMTRAK- EAST BARRACK	02/18/2020 16:14
X-8-02182020	L2007286-28	AMTRAK- EAST BARRACK	02/18/2020 00:00
EB-8-02182020	L2007286-29	AMTRAK- EAST BARRACK	02/18/2020 16:28

<p>I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.</p>	
Technical Director/Representative (Typed) Melissa Sturgis	03/03/20
Technical Director/Representative (Signature) <i>Melissa Sturgis</i>	

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Chain of Custody



**NEW JERSEY
CHAIN OF
CUSTODY**

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

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of 13

Date Rec'd
in Lab 2/18/20

ALPHA Job #
L200728

Client Information		Project Information		Deliverables		Billing Information	
Client: WOOD E F IS		Project Name: AMTRAK - EAST BARRACKS		<input checked="" type="checkbox"/> NJ Full / Reduced		<input type="checkbox"/> Same as Client Info	
Address: 235 DAVIDSON AVE, Suite 405 SOMERSET NJ		Project Location: TRENTON, NJ		<input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)		PO #	
Phone: 1-732-302-9500		Project # 277710568.0008.06		<input type="checkbox"/> Other			
Fax:		(Use Project name as Project #) <input type="checkbox"/>		Regulatory Requirement		Site Information	
Email: MARLENE.LINDHARDT@WOODPLUM		Project Manager: MARLENE LINDHARDT		<input checked="" type="checkbox"/> SRS Residential/Non Residential		Is this site impacted by Petroleum? Yes <input type="checkbox"/>	
		ALPHAQuote #:		<input checked="" type="checkbox"/> SRS Impact to Groundwater		Petroleum Product:	
		Turn-Around Time		<input type="checkbox"/> NJ Ground Water Quality Standards			
		Standard <input checked="" type="checkbox"/> Due Date:		<input type="checkbox"/> NJ IGW SPLP Leachate Criteria			
		Rush (only if pre approved) <input type="checkbox"/> # of Days:		<input type="checkbox"/> Other			

These samples have been previously analyzed by Alpha <input type="checkbox"/>			ANALYSIS						Sample Filtration		
For EPH, selection is REQUIRED:	For VOC, selection is REQUIRED:	Other project specific requirements/comments:							<input type="checkbox"/> Done		
<input type="checkbox"/> Category 1	<input type="checkbox"/> 1,4-Dioxane	H=40LD Please specify Metals or TAL.							<input type="checkbox"/> Lab to do		
<input type="checkbox"/> Category 2	<input type="checkbox"/> 8011								<input type="checkbox"/> Lab to do		
										(Please Specify below)	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	PCB (Sub 846 8082A)											Sample Specific Comments			
		Date	Time																	
07286-01	E-204-0.5-1.0	2-18-20	0918	SOIL	NDF	X														
-02	E-204-2.0-2.5	2-18-20	0938	SOIL	NDF	X														
-03	E-204-3.0-3.5	2-18-20	0948	SOIL	NDF	H														
-04	E-204-4.0-4.2	2-18-20	0956	SOIL	NDF	H														
-05	E-138-0.5-1.0	2-18-20	1044	SOIL	NDF	X														
-06	E-138-2.0-2.5	2-18-20	1145	SOIL	NDF	X														
-07	E-146-0.5-1.0	2-18-20	1106	SOIL	NDF	X														
-08	E-146-2.0-2.5	2-18-20	1210	SOIL	NDF	X														
-09	E-146-3.0-3.5	2-18-20	1222	SOIL	NDF	H														
-10	E-146-4.0-4.5	2-18-20	1230	SOIL	NDF	H														

Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type A												Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS (See reverse side.)	
Relinquished By:		Date/Time		Received By:		Date/Time															
MADDA		2-18-20/1648		RBR PAL		2/18/20 16:48															
TRAR PAL		2/18/20 14:15		JSA PAL		2/18/20 23:30															
JSA PAL		2/18/20 23:30		JSA PAL		2/18/20 23:30															

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 03 2020, 12:40 pm

Login Number: L2007286

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0008.06

Received: 18FEB20 Due Date: 03MAR20

Sample #	Client ID	Mat PR Collected
L2007286-01	E-204-0.5-1.0	3 S0 18FEB20 09:18
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 03/03/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2007286-02	E-204-2.0-2.5	3 S0 18FEB20 09:38
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-03	E-204-3.0-3.5	3 S0 18FEB20 09:48
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-04	E-204-4.0-4.5	3 S0 18FEB20 09:56
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-05	E-138-0.5-1.0	3 S0 18FEB20 10:44
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-06	E-138-2.0-2.5	3 S0 18FEB20 11:45
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 03 2020, 12:40 pm

Login Number: L2007286

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 18FEB20 Due Date: 03MAR20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2007286-07 E-146-0.5-1.0 3 S0 18FEB20 11:06

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/03/20

NJ-8082,TS

L2007286-08 E-146-2.0-2.5 3 S0 18FEB20 12:10

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/03/20

NJ-8082,TS

L2007286-09 E-146-3.0-3.5 3 S0 18FEB20 12:22

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/03/20

NJ-8082,TS

L2007286-10 E-146-4.0-4.5 3 S0 18FEB20 12:30

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/03/20

NJ-8082,TS

L2007286-11 E-148-0.5-1.0 3 S0 18FEB20 12:41

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/03/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 03 2020, 12:40 pm

Login Number: L2007286

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 18FEB20 Due Date: 03MAR20

Sample #	Client ID	Mat PR Collected
L2007286-12	E-148-2.0-2.5	3 S0 18FEB20 13:01
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-13	E-148-3.0-3.5	3 S0 18FEB20 13:11
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
HOLD-8082,HOLD-WETCHEM		
L2007286-14	E-190-1.5-2.0	3 S0 18FEB20 13:39
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-15	E-191-1.5-2.0	3 S0 18FEB20 13:58
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-16	E-192-1.5-2.0	3 S0 18FEB20 14:10
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-17	E-193-0.5-1.0	3 S0 18FEB20 14:26
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 03 2020, 12:40 pm

Login Number: L2007286

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 18FEB20 Due Date: 03MAR20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2007286-18 E-193-2.0-2.5 3 S0 18FEB20 14:32

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/03/20

NJ-8082,TS

L2007286-19 E-193-3.0-3.5 3 S0 18FEB20 14:46

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/03/20

NJ-8082,TS

L2007286-20 E-195-0.5-1.0 3 S0 18FEB20 14:58

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/03/20

NJ-8082,TS

L2007286-21 E-195-2.0-2.5 3 S0 18FEB20 15:02

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/03/20

NJ-8082,TS

L2007286-22 E-195-3.0-3.5 3 S0 18FEB20 15:13

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/03/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 03 2020, 12:40 pm

Login Number: L2007286

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 18FEB20 Due Date: 03MAR20

Sample #	Client ID	Mat PR Collected
L2007286-23	E-194-0.5-1.0	3 S0 18FEB20 15:33
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-24	E-194-2.0-2.5	3 S0 18FEB20 15:40
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-25	E-194-3.0-3.5	3 S0 18FEB20 15:47
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-26	E-188-0.5-1.0	3 S0 18FEB20 16:03
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-27	E-188-1.5-2.0	3 S0 18FEB20 16:14
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		
NJ-8082,TS		
L2007286-28	X-8-02182020	3 S0 18FEB20 00:00
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 03 2020, 12:40 pm

Login Number: L2007286

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 18FEB20 Due Date: 03MAR20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2007286-29 EB-8-02182020

1 S0 18FEB20 16:28

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/03/20

NJ-8082-LVI

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007286-01A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-01A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-01A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-01A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W16-S3-D CUSTODY	W16-S3-D CUSTODY	Brittney Kelley
L2007286-01A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-01A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-01A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-02A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-02A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-02A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-02A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W16-S3-D CUSTODY	W16-S3-D CUSTODY	Brittney Kelley
L2007286-02A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-02A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-02A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-03A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W2-S3-D CUSTODY	W2-S3-D CUSTODY	Geoffry Grace
L2007286-03A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Christopher Pou
L2007286-03A	Glass-A.06	INTACT	26-FEB-20		W2-S3-A CUSTODY	Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2007286-03A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W2-S3-A CUSTODY	W2-S3-A CUSTODY	Brittney Kelley
L2007286-03A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-03A	Glass-A.06	INTACT	26-FEB-20		W17-S3-B CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-03A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Brittney Kelley	W17-S3-B CUSTODY	W17-S3-B CUSTODY	Brittney Kelley
L2007286-03A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-04A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W2-S3-D CUSTODY	W2-S3-D CUSTODY	Geoffry Grace
L2007286-04A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Christopher Pou
L2007286-04A	Glass-A.06	INTACT	26-FEB-20		W2-S3-A CUSTODY	Christopher Pou	ORGPREP	ORGPREP	Christopher Pou

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007286-04A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W2-S3-A CUSTODY	W2-S3-A CUSTODY	Brittney Kelley
L2007286-04A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-04A	Glass-A.06	INTACT	26-FEB-20		W17-S3-B CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-04A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Brittney Kelley	W17-S3-B CUSTODY	W17-S3-B CUSTODY	Brittney Kelley
L2007286-04A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-05A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-05A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-05A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-05A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W16-S3-D CUSTODY	W16-S3-D CUSTODY	Brittney Kelley
L2007286-05A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-05A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-05A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-06A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-06A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-06A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-06A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W16-S3-D CUSTODY	W16-S3-D CUSTODY	Brittney Kelley
L2007286-06A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-06A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-06A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-07A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-07A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-07A	Glass-A.06	INTACT	19-FEB-20		W17-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-07A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S3-B CUSTODY	W17-S3-B CUSTODY	Brittney Kelley
L2007286-07A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-07A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007286-07A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-08A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-08A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-08A	Glass-A.06	INTACT	19-FEB-20		W17-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-08A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S3-B CUSTODY	W17-S3-B CUSTODY	Brittney Kelley
L2007286-08A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-08A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-08A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-09A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W2-S3-D CUSTODY	W2-S3-D CUSTODY	Geoffry Grace
L2007286-09A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Christopher Pou
L2007286-09A	Glass-A.06	INTACT	26-FEB-20		W2-S3-A CUSTODY	Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2007286-09A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W2-S3-A CUSTODY	W2-S3-A CUSTODY	Brittney Kelley
L2007286-09A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-09A	Glass-A.06	INTACT	26-FEB-20		W17-S3-B CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-09A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Brittney Kelley	W17-S3-B CUSTODY	W17-S3-B CUSTODY	Brittney Kelley
L2007286-09A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-10A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W2-S3-D CUSTODY	W2-S3-D CUSTODY	Geoffry Grace
L2007286-10A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Christopher Pou
L2007286-10A	Glass-A.06	INTACT	26-FEB-20		W2-S3-A CUSTODY	Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2007286-10A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W2-S3-A CUSTODY	W2-S3-A CUSTODY	Brittney Kelley
L2007286-10A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-10A	Glass-A.06	INTACT	26-FEB-20		W17-S3-B CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-10A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Brittney Kelley	W17-S3-B CUSTODY	W17-S3-B CUSTODY	Brittney Kelley
L2007286-10A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-11A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007286-11A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-11A	Glass-A.06	INTACT	19-FEB-20		W17-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-11A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S3-B CUSTODY	W17-S3-B CUSTODY	Brittney Kelley
L2007286-11A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-11A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-11A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-12A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-12A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-12A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-12A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W16-S3-D CUSTODY	W16-S3-D CUSTODY	Brittney Kelley
L2007286-12A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-12A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-12A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-13A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Brittney Kelley	W17-S3-B CUSTODY	W17-S3-B CUSTODY	Brittney Kelley
L2007286-13A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-14A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-14A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-14A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-14A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W16-S3-D CUSTODY	W16-S3-D CUSTODY	Brittney Kelley
L2007286-14A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-14A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-14A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-15A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-15A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-15A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007286-15A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W16-S3-D	CUSTODY	W16-S3-D CUSTODY Brittney Kelley
L2007286-15A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007286-15A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-15A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-16A	Glass-A.06	INTACT	20-FEB-20		WALK-IN	CUSTODY Phillip Renaud	W18-S3-A	CUSTODY	W18-S3-A CUSTODY Phillip Renaud
L2007286-16A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN	CUSTODY	WALK-IN CUSTODY Ilan Grossman
L2007286-16A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D	CUSTODY Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-16A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W16-S3-D	CUSTODY	W16-S3-D CUSTODY Brittney Kelley
L2007286-16A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007286-16A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-16A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-17A	Glass-A.06	INTACT	20-FEB-20		WALK-IN	CUSTODY Phillip Renaud	W18-S3-A	CUSTODY	W18-S3-A CUSTODY Phillip Renaud
L2007286-17A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN	CUSTODY	WALK-IN CUSTODY Ilan Grossman
L2007286-17A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D	CUSTODY Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-17A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W16-S3-D	CUSTODY	W16-S3-D CUSTODY Brittney Kelley
L2007286-17A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007286-17A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-17A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-18A	Glass-A.06	INTACT	20-FEB-20		WALK-IN	CUSTODY Phillip Renaud	W18-S3-A	CUSTODY	W18-S3-A CUSTODY Phillip Renaud
L2007286-18A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN	CUSTODY	WALK-IN CUSTODY Ilan Grossman
L2007286-18A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D	CUSTODY Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-18A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W16-S3-D	CUSTODY	W16-S3-D CUSTODY Brittney Kelley
L2007286-18A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007286-18A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-18A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007286-19A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-19A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-19A	Glass-A.06	INTACT	19-FEB-20		W17-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-19A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S3-B CUSTODY	W17-S3-B CUSTODY	Brittney Kelley
L2007286-19A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-19A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-19A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-20A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-20A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-20A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-20A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W16-S3-D CUSTODY	W16-S3-D CUSTODY	Brittney Kelley
L2007286-20A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-20A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-20A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-21A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-21A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-21A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-21A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W16-S3-D CUSTODY	W16-S3-D CUSTODY	Brittney Kelley
L2007286-21A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-21A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-21A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-22A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-22A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-22A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-22A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W16-S3-D CUSTODY	W16-S3-D CUSTODY	Brittney Kelley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007286-22A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-22A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-22A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-23A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-23A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-23A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-23A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W16-S3-D CUSTODY	W16-S3-D CUSTODY	Brittney Kelley
L2007286-23A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-23A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-23A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-24A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-24A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-24A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-24A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W16-S3-D CUSTODY	W16-S3-D CUSTODY	Brittney Kelley
L2007286-24A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-24A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-24A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-25A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-25A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-25A	Glass-A.06	INTACT	19-FEB-20		W16-S3-D CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-25A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W16-S3-D CUSTODY	W16-S3-D CUSTODY	Brittney Kelley
L2007286-25A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-25A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-25A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-26A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007286-26A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-26A	Glass-A.06	INTACT	19-FEB-20		W17-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-26A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S3-B CUSTODY	W17-S3-B CUSTODY	Brittney Kelley
L2007286-26A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-26A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-26A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-27A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-27A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-27A	Glass-A.06	INTACT	19-FEB-20		W17-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-27A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S3-B CUSTODY	W17-S3-B CUSTODY	Brittney Kelley
L2007286-27A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-27A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-27A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-28A	Glass-A.06	INTACT	20-FEB-20		WALK-IN CUSTODY	Phillip Renaud	W18-S3-A CUSTODY	W18-S3-A CUSTODY	Phillip Renaud
L2007286-28A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007286-28A	Glass-A.06	INTACT	19-FEB-20		W17-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007286-28A	Glass-A.06	INTACT	19-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S3-B CUSTODY	W17-S3-B CUSTODY	Brittney Kelley
L2007286-28A	Glass-A.06	INTACT	19-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007286-28A	Glass-A.06	INTACT	19-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007286-28A	Glass-A.06	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-29A	Amber-A.120	INTACT	29-FEB-20		R51-10 CUSTODY	Brittney Kelley	R51-05 CUSTODY	R51-05 CUSTODY	Brittney Kelley
L2007286-29A	Amber-A.120	INTACT	19-FEB-20		W17-S2-B CUSTODY	Brittney Kelley	R51-10 CUSTODY	R51-10 CUSTODY	Brittney Kelley
L2007286-29A	Amber-A.120	INTACT	19-FEB-20		CUSTODY	Brittney Kelley	W17-S2-B CUSTODY	W17-S2-B CUSTODY	Brittney Kelley
L2007286-29A	Amber-A.120	INTACT	19-FEB-20	CUSTODY	CUSTODY	Brittney Kelley	W17-S2-B CUSTODY	W17-S2-B CUSTODY	Brittney Kelley
L2007286-29A	Amber-A.120	INTACT	19-FEB-20		CUSTODY	Brittney Kelley	W17-S2-B CUSTODY	W17-S2-B CUSTODY	Brittney Kelley

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007286-29A Amber-A.120	INTACT	19-FEB-20	CUSTODY	CUSTODY	Brittney Kelley	W17-S2-B CUSTODY	W17-S2-B CUSTODY	Brittney Kelley
L2007286-29A Amber-A.120	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007286-29B Amber-A.120	EMPTY	19-FEB-20		R51-10 CUSTODY	Yaw Adu	CUSTODY	CUSTODY	Yaw Adu
L2007286-29B Amber-A.120	INTACT	19-FEB-20		W17-S2-B CUSTODY	Brittney Kelley	R51-10 CUSTODY	R51-10 CUSTODY	Brittney Kelley
L2007286-29B Amber-A.120	INTACT	19-FEB-20		CUSTODY	Brittney Kelley	W17-S2-B CUSTODY	W17-S2-B CUSTODY	Brittney Kelley
L2007286-29B Amber-A.120	INTACT	19-FEB-20	CUSTODY	CUSTODY	Brittney Kelley	W17-S2-B CUSTODY	W17-S2-B CUSTODY	Brittney Kelley
L2007286-29B Amber-A.120	INTACT	19-FEB-20		CUSTODY	Brittney Kelley	W17-S2-B CUSTODY	W17-S2-B CUSTODY	Brittney Kelley
L2007286-29B Amber-A.120	INTACT	19-FEB-20	CUSTODY	CUSTODY	Brittney Kelley	W17-S2-B CUSTODY	W17-S2-B CUSTODY	Brittney Kelley
L2007286-29B Amber-A.120	INTACT	19-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams

Methodology Review

Project Name: AMTRAK- EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007286
Report Date: 03/03/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Project Name: AMTRAK- EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2007286

Report Date: 03/03/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2007286-01A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-02A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-03A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-04A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-05A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-06A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-07A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-08A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-09A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-10A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-11A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-12A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-13A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2007286-14A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-15A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-16A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-17A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-18A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-19A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-20A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-21A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-22A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-23A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: AMTRAK- EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2007286

Report Date: 03/03/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2007286-24A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-25A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-26A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-27A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-28A	Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		NJ-8082(14),TS(7)
L2007286-29A	Amber 120ml unpreserved	A	7	7	5.6	Y	Absent		NJ-8082-LVI(7)
L2007286-29B	Amber 120ml unpreserved	A	7	7	5.6	Y	Absent		NJ-8082-LVI(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



Project Name: AMTRAK- EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007286
Report Date: 03/03/20

**NJ DEP Data of Known Quality Protocols
 Conformance/Non-Conformance
 Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^{\circ} \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary

Project Name: AMTRAK- EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007286
Report Date: 03/03/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



Project Name: AMTRAK- EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007286
Report Date: 03/03/20

Case Narrative (continued)

Report Submission

March 03, 2020: This final report includes the results of the PCBs analysis performed on L2007286-03, -04, -09 and -10. In addition, the Client ID was changed on L2007286-04.

February 25, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

L2007286-01, -02, -03, -04, -05, -07, -08, -09, -10, -11, -17, -18 and -28: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

L2007286-01, -02, -03, -04, -05, -07, -08, -10, -11, and -28: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

WG1344813-4: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Please refer to the QC section of the report for specific details.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Melissa Sturgis*

Report Date: 03/03/20

Title: Technical Director/Representative



Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK- EAST BARRACKS

Lab Number: L2007286

Project Number: 277710568.0008.06

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- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedances are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK- EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007286
Report Date: 03/03/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Organics



**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-01D	Date Collected : 02/18/20 09:18
Client ID : E-204-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 20:07
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 100
Lab File ID : 19200221a-51	Analyst : KB
Sample Amount : 15.32 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 83
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	3.93	0.349	U
11104-28-2	Aroclor 1221	ND	3.93	0.394	U
11141-16-5	Aroclor 1232	ND	3.93	0.833	U
53469-21-9	Aroclor 1242	ND	3.93	0.529	U
12672-29-6	Aroclor 1248	ND	3.93	0.589	U
11097-69-1	Aroclor 1254	ND	3.93	0.430	U
11096-82-5	Aroclor 1260	9.60	3.93	0.726	
37324-23-5	Aroclor 1262	ND	3.93	0.499	U
11100-14-4	Aroclor 1268	ND	3.93	0.407	U
1336-36-3	PCBs, Total	9.60	3.93	0.349	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007286
Project Name	: AMTRAK- EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2007286-02D	Date Collected	: 02/18/20 09:38
Client ID	: E-204-2.0-2.5	Date Received	: 02/18/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/21/20 20:15
Sample Matrix	: SOIL	Date Extracted	: 02/19/20
Analytical Method	: 1,8082A	Dilution Factor	: 100
Lab File ID	: 19200221a-52	Analyst	: KB
Sample Amount	: 15.53 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	3.64	0.323	U
11104-28-2	Aroclor 1221	ND	3.64	0.365	U
11141-16-5	Aroclor 1232	ND	3.64	0.772	U
53469-21-9	Aroclor 1242	ND	3.64	0.491	U
12672-29-6	Aroclor 1248	ND	3.64	0.546	U
11097-69-1	Aroclor 1254	ND	3.64	0.398	U
11096-82-5	Aroclor 1260	11.9	3.64	0.673	
37324-23-5	Aroclor 1262	ND	3.64	0.462	U
11100-14-4	Aroclor 1268	ND	3.64	0.377	U
1336-36-3	PCBs, Total	11.9	3.64	0.323	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-03D	Date Collected : 02/18/20 09:48
Client ID : E-204-3.0-3.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 19:07
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 100
Lab File ID : 21200227a-33	Analyst : CW
Sample Amount : 15.04 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 82
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	4.04	0.359	U
11104-28-2	Aroclor 1221	ND	4.04	0.405	U
11141-16-5	Aroclor 1232	ND	4.04	0.857	U
53469-21-9	Aroclor 1242	ND	4.04	0.545	U
12672-29-6	Aroclor 1248	ND	4.04	0.607	U
11097-69-1	Aroclor 1254	ND	4.04	0.442	U
11096-82-5	Aroclor 1260	8.26	4.04	0.747	
37324-23-5	Aroclor 1262	ND	4.04	0.514	U
11100-14-4	Aroclor 1268	ND	4.04	0.419	U
1336-36-3	PCBs, Total	8.26	4.04	0.359	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-04D	Date Collected : 02/18/20 09:56
Client ID : E-204-4.0-4.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 19:19
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 21200227a-34	Analyst : CW
Sample Amount : 15.48 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.736	0.0653	U
11104-28-2	Aroclor 1221	ND	0.736	0.0737	U
11141-16-5	Aroclor 1232	ND	0.736	0.156	U
53469-21-9	Aroclor 1242	ND	0.736	0.0992	U
12672-29-6	Aroclor 1248	ND	0.736	0.110	U
11097-69-1	Aroclor 1254	ND	0.736	0.0805	U
11096-82-5	Aroclor 1260	2.46	0.736	0.136	
37324-23-5	Aroclor 1262	ND	0.736	0.0934	U
11100-14-4	Aroclor 1268	ND	0.736	0.0762	U
1336-36-3	PCBs, Total	2.46	0.736	0.0653	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-05D Client ID : E-138-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200221a-49 Sample Amount : 15.12 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 10:44 Date Received : 02/18/20 Date Analyzed : 02/21/20 19:53 Date Extracted : 02/19/20 Dilution Factor : 500 Analyst : KB Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 84 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	19.6	1.74	U
11104-28-2	Aroclor 1221	ND	19.6	1.97	U
11141-16-5	Aroclor 1232	ND	19.6	4.16	U
53469-21-9	Aroclor 1242	ND	19.6	2.65	U
12672-29-6	Aroclor 1248	ND	19.6	2.94	U
11097-69-1	Aroclor 1254	ND	19.6	2.15	U
11096-82-5	Aroclor 1260	63.5	19.6	3.63	
37324-23-5	Aroclor 1262	ND	19.6	2.49	U
11100-14-4	Aroclor 1268	ND	19.6	2.03	U
1336-36-3	PCBs, Total	63.5	19.6	1.74	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-06D Client ID : E-138-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200221a-55 Sample Amount : 15.18 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 11:45 Date Received : 02/18/20 Date Analyzed : 02/21/20 20:36 Date Extracted : 02/19/20 Dilution Factor : 5 Analyst : KB Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 86 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.192	0.0170	U
11104-28-2	Aroclor 1221	ND	0.192	0.0192	U
11141-16-5	Aroclor 1232	ND	0.192	0.0407	U
53469-21-9	Aroclor 1242	ND	0.192	0.0259	U
12672-29-6	Aroclor 1248	ND	0.192	0.0288	U
11097-69-1	Aroclor 1254	ND	0.192	0.0210	U
11096-82-5	Aroclor 1260	1.06	0.192	0.0355	
37324-23-5	Aroclor 1262	ND	0.192	0.0244	U
11100-14-4	Aroclor 1268	ND	0.192	0.0199	U
1336-36-3	PCBs, Total	1.06	0.192	0.0170	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-07D Client ID : E-146-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200221a-50 Sample Amount : 15.17 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 11:06 Date Received : 02/18/20 Date Analyzed : 02/21/20 20:00 Date Extracted : 02/19/20 Dilution Factor : 500 Analyst : KB Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 78 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	21.0	1.87	U
11104-28-2	Aroclor 1221	ND	21.0	2.11	U
11141-16-5	Aroclor 1232	ND	21.0	4.46	U
53469-21-9	Aroclor 1242	ND	21.0	2.84	U
12672-29-6	Aroclor 1248	ND	21.0	3.16	U
11096-82-5	Aroclor 1260	70.9	21.0	3.89	
37324-23-5	Aroclor 1262	ND	21.0	2.67	U
11100-14-4	Aroclor 1268	ND	21.0	2.18	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-07D Client ID : E-146-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200221a-50 Sample Amount : 15.17 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 11:06 Date Received : 02/18/20 Date Analyzed : 02/21/20 20:00 Date Extracted : 02/19/20 Dilution Factor : 500 Analyst : KB Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 78 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	98.4	21.0	2.30	
1336-36-3	PCBs, Total	169.	21.0	1.87	



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-08D Client ID : E-146-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200221a-53 Sample Amount : 15.73 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 12:10 Date Received : 02/18/20 Date Analyzed : 02/21/20 20:22 Date Extracted : 02/19/20 Dilution Factor : 100 Analyst : KB Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 78 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	4.06	0.361	U
11104-28-2	Aroclor 1221	ND	4.06	0.407	U
11141-16-5	Aroclor 1232	ND	4.06	0.862	U
53469-21-9	Aroclor 1242	ND	4.06	0.548	U
12672-29-6	Aroclor 1248	ND	4.06	0.610	U
11096-82-5	Aroclor 1260	14.1	4.06	0.751	
37324-23-5	Aroclor 1262	ND	4.06	0.516	U
11100-14-4	Aroclor 1268	ND	4.06	0.421	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-08D Client ID : E-146-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200221a-53 Sample Amount : 15.73 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 12:10 Date Received : 02/18/20 Date Analyzed : 02/21/20 20:22 Date Extracted : 02/19/20 Dilution Factor : 100 Analyst : KB Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 78 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	21.0	4.06	0.445	
1336-36-3	PCBs, Total	35.1	4.06	0.361	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-09D Client ID : E-146-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 21200227a-30 Sample Amount : 15.16 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 12:22 Date Received : 02/18/20 Date Analyzed : 02/27/20 18:31 Date Extracted : 02/27/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST21 GC Column : CLP-Pesticide %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.203	0.0180	U
11104-28-2	Aroclor 1221	ND	0.203	0.0203	U
11141-16-5	Aroclor 1232	ND	0.203	0.0430	U
53469-21-9	Aroclor 1242	ND	0.203	0.0274	U
12672-29-6	Aroclor 1248	ND	0.203	0.0305	U
11096-82-5	Aroclor 1260	0.396	0.203	0.0375	
37324-23-5	Aroclor 1262	ND	0.203	0.0258	U
11100-14-4	Aroclor 1268	ND	0.203	0.0210	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-09D Client ID : E-146-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 21200227a-30 Sample Amount : 15.16 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 12:22 Date Received : 02/18/20 Date Analyzed : 02/27/20 18:31 Date Extracted : 02/27/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST21 GC Column : CLP-PesticideII %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.460	0.203	0.0222	
1336-36-3	PCBs, Total	0.856	0.203	0.0180	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-10D Client ID : E-146-4.0-4.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 21200227a-35 Sample Amount : 15.13 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 12:30 Date Received : 02/18/20 Date Analyzed : 02/27/20 19:31 Date Extracted : 02/27/20 Dilution Factor : 20 Analyst : CW Instrument ID : PEST21 GC Column : CLP-Pesticide %Solids : 91 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.727	0.0646	U
11104-28-2	Aroclor 1221	ND	0.727	0.0728	U
11141-16-5	Aroclor 1232	ND	0.727	0.154	U
53469-21-9	Aroclor 1242	ND	0.727	0.0980	U
12672-29-6	Aroclor 1248	ND	0.727	0.109	U
11096-82-5	Aroclor 1260	1.11	0.727	0.134	
37324-23-5	Aroclor 1262	ND	0.727	0.0923	U
11100-14-4	Aroclor 1268	ND	0.727	0.0753	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-10D Client ID : E-146-4.0-4.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 21200227a-35 Sample Amount : 15.13 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 12:30 Date Received : 02/18/20 Date Analyzed : 02/27/20 19:31 Date Extracted : 02/27/20 Dilution Factor : 20 Analyst : CW Instrument ID : PEST21 GC Column : CLP-PesticideII %Solids : 91 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	1.32	0.727	0.0795	
1336-36-3	PCBs, Total	2.43	0.727	0.0646	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-11D	Date Collected : 02/18/20 12:41
Client ID : E-148-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 20:29
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 19200221a-54	Analyst : KB
Sample Amount : 15.33 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.764	0.0678	U
11104-28-2	Aroclor 1221	ND	0.764	0.0765	U
11141-16-5	Aroclor 1232	ND	0.764	0.162	U
53469-21-9	Aroclor 1242	ND	0.764	0.103	U
12672-29-6	Aroclor 1248	ND	0.764	0.114	U
11097-69-1	Aroclor 1254	ND	0.764	0.0836	U
11096-82-5	Aroclor 1260	7.49	0.764	0.141	
37324-23-5	Aroclor 1262	ND	0.764	0.0970	U
11100-14-4	Aroclor 1268	ND	0.764	0.0791	U
1336-36-3	PCBs, Total	7.49	0.764	0.0678	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007286
Project Name	: AMTRAK- EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2007286-12	Date Collected	: 02/18/20 13:01
Client ID	: E-148-2.0-2.5	Date Received	: 02/18/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/20/20 20:08
Sample Matrix	: SOIL	Date Extracted	: 02/19/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 23200220a-30	Analyst	: AWS
Sample Amount	: 15.48 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0361	0.00320	U
11104-28-2	Aroclor 1221	ND	0.0361	0.00362	U
11141-16-5	Aroclor 1232	ND	0.0361	0.00765	U
53469-21-9	Aroclor 1242	ND	0.0361	0.00486	U
12672-29-6	Aroclor 1248	ND	0.0361	0.00541	U
11097-69-1	Aroclor 1254	ND	0.0361	0.00395	U
11096-82-5	Aroclor 1260	0.0652	0.0361	0.00667	
37324-23-5	Aroclor 1262	ND	0.0361	0.00458	U
11100-14-4	Aroclor 1268	ND	0.0361	0.00374	U
1336-36-3	PCBs, Total	0.0652	0.0361	0.00320	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007286
Project Name	: AMTRAK- EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2007286-14	Date Collected	: 02/18/20 13:39
Client ID	: E-190-1.5-2.0	Date Received	: 02/18/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/20/20 20:15
Sample Matrix	: SOIL	Date Extracted	: 02/19/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 23200220a-31	Analyst	: AWS
Sample Amount	: 15.72 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0381	0.00338	U
11104-28-2	Aroclor 1221	ND	0.0381	0.00382	U
11141-16-5	Aroclor 1232	ND	0.0381	0.00808	U
53469-21-9	Aroclor 1242	ND	0.0381	0.00513	U
12672-29-6	Aroclor 1248	ND	0.0381	0.00571	U
11097-69-1	Aroclor 1254	ND	0.0381	0.00417	U
11096-82-5	Aroclor 1260	0.511	0.0381	0.00704	
37324-23-5	Aroclor 1262	ND	0.0381	0.00484	U
11100-14-4	Aroclor 1268	ND	0.0381	0.00395	U
1336-36-3	PCBs, Total	0.511	0.0381	0.00338	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-15	Date Collected : 02/18/20 13:58
Client ID : E-191-1.5-2.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 20:21
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200220a-32	Analyst : AWS
Sample Amount : 15.45 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0381	0.00338	U
11104-28-2	Aroclor 1221	ND	0.0381	0.00381	U
11141-16-5	Aroclor 1232	ND	0.0381	0.00807	U
53469-21-9	Aroclor 1242	ND	0.0381	0.00513	U
12672-29-6	Aroclor 1248	ND	0.0381	0.00571	U
11097-69-1	Aroclor 1254	ND	0.0381	0.00416	U
37324-23-5	Aroclor 1262	ND	0.0381	0.00484	U
11100-14-4	Aroclor 1268	ND	0.0381	0.00394	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-15 Client ID : E-191-1.5-2.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200220a-32 Sample Amount : 15.45 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 13:58 Date Received : 02/18/20 Date Analyzed : 02/20/20 20:21 Date Extracted : 02/19/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 85 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0479	0.0381	0.00704	
1336-36-3	PCBs, Total	0.0479	0.0381	0.00338	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-16	Date Collected : 02/18/20 14:10
Client ID : E-192-1.5-2.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 20:28
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200220a-33	Analyst : AWS
Sample Amount : 15.26 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0370	0.00329	U
11104-28-2	Aroclor 1221	ND	0.0370	0.00371	U
11141-16-5	Aroclor 1232	ND	0.0370	0.00785	U
53469-21-9	Aroclor 1242	ND	0.0370	0.00499	U
12672-29-6	Aroclor 1248	ND	0.0370	0.00555	U
11097-69-1	Aroclor 1254	ND	0.0370	0.00405	U
11096-82-5	Aroclor 1260	0.128	0.0370	0.00684	
37324-23-5	Aroclor 1262	ND	0.0370	0.00470	U
11100-14-4	Aroclor 1268	ND	0.0370	0.00384	U
1336-36-3	PCBs, Total	0.128	0.0370	0.00329	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-17D	Date Collected : 02/18/20 14:26
Client ID : E-193-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 20:42
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 19200221a-56	Analyst : KB
Sample Amount : 15.17 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 79
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.208	0.0184	U
11104-28-2	Aroclor 1221	ND	0.208	0.0208	U
11141-16-5	Aroclor 1232	ND	0.208	0.0440	U
53469-21-9	Aroclor 1242	ND	0.208	0.0280	U
12672-29-6	Aroclor 1248	ND	0.208	0.0311	U
11096-82-5	Aroclor 1260	1.99	0.208	0.0384	
37324-23-5	Aroclor 1262	ND	0.208	0.0264	U
11100-14-4	Aroclor 1268	ND	0.208	0.0215	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-17D Client ID : E-193-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200221a-56 Sample Amount : 15.17 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 14:26 Date Received : 02/18/20 Date Analyzed : 02/21/20 20:42 Date Extracted : 02/19/20 Dilution Factor : 5 Analyst : KB Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 79 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.525	0.208	0.0227	
1336-36-3	PCBs, Total	2.52	0.208	0.0184	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-18D	Date Collected : 02/18/20 14:32
Client ID : E-193-2.0-2.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 20:49
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 19200221a-57	Analyst : KB
Sample Amount : 15.24 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 78
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.210	0.0186	U
11104-28-2	Aroclor 1221	ND	0.210	0.0210	U
11141-16-5	Aroclor 1232	ND	0.210	0.0445	U
53469-21-9	Aroclor 1242	ND	0.210	0.0283	U
12672-29-6	Aroclor 1248	ND	0.210	0.0315	U
11096-82-5	Aroclor 1260	1.66	0.210	0.0388	
37324-23-5	Aroclor 1262	ND	0.210	0.0266	U
11100-14-4	Aroclor 1268	ND	0.210	0.0217	U



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-18D Client ID : E-193-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200221a-57 Sample Amount : 15.24 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 14:32 Date Received : 02/18/20 Date Analyzed : 02/21/20 20:49 Date Extracted : 02/19/20 Dilution Factor : 5 Analyst : KB Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 78 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.558	0.210	0.0229	
1336-36-3	PCBs, Total	2.22	0.210	0.0186	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-19 Client ID : E-193-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200220a-36 Sample Amount : 15.27 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 14:46 Date Received : 02/18/20 Date Analyzed : 02/20/20 20:48 Date Extracted : 02/19/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST23 GC Column : CLP-Pesticide %Solids : 85 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0384	0.00341	U
11104-28-2	Aroclor 1221	ND	0.0384	0.00385	U
11141-16-5	Aroclor 1232	ND	0.0384	0.00814	U
53469-21-9	Aroclor 1242	ND	0.0384	0.00517	U
12672-29-6	Aroclor 1248	ND	0.0384	0.00576	U
11097-69-1	Aroclor 1254	ND	0.0384	0.00420	U
37324-23-5	Aroclor 1262	ND	0.0384	0.00488	U
11100-14-4	Aroclor 1268	ND	0.0384	0.00398	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-19 Client ID : E-193-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200220a-36 Sample Amount : 15.27 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 14:46 Date Received : 02/18/20 Date Analyzed : 02/20/20 20:48 Date Extracted : 02/19/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 85 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0210	0.0384	0.00709	J
1336-36-3	PCBs, Total	0.0210	0.0384	0.00341	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-20	Date Collected : 02/18/20 14:58
Client ID : E-195-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 22:12
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200220a-44	Analyst : AWS
Sample Amount : 15.08 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0408	0.00362	U
11104-28-2	Aroclor 1221	ND	0.0408	0.00409	U
11141-16-5	Aroclor 1232	ND	0.0408	0.00866	U
53469-21-9	Aroclor 1242	ND	0.0408	0.00550	U
12672-29-6	Aroclor 1248	ND	0.0408	0.00612	U
11097-69-1	Aroclor 1254	ND	0.0408	0.00447	U
37324-23-5	Aroclor 1262	ND	0.0408	0.00518	U
11100-14-4	Aroclor 1268	ND	0.0408	0.00423	U
1336-36-3	PCBs, Total	0.195	0.0408	0.00362	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-20 Client ID : E-195-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200220a-44 Sample Amount : 15.08 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 14:58 Date Received : 02/18/20 Date Analyzed : 02/20/20 22:12 Date Extracted : 02/19/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.195	0.0408	0.00754	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-21	Date Collected : 02/18/20 15:02
Client ID : E-195-2.0-2.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 22:19
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200220a-45	Analyst : AWS
Sample Amount : 15.33 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0368	0.00326	U
11104-28-2	Aroclor 1221	ND	0.0368	0.00368	U
11141-16-5	Aroclor 1232	ND	0.0368	0.00780	U
53469-21-9	Aroclor 1242	ND	0.0368	0.00496	U
12672-29-6	Aroclor 1248	ND	0.0368	0.00552	U
11097-69-1	Aroclor 1254	ND	0.0368	0.00402	U
37324-23-5	Aroclor 1262	ND	0.0368	0.00467	U
11100-14-4	Aroclor 1268	ND	0.0368	0.00381	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-21 Client ID : E-195-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200220a-45 Sample Amount : 15.33 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 15:02 Date Received : 02/18/20 Date Analyzed : 02/20/20 22:19 Date Extracted : 02/19/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 89 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	ND	0.0368	0.00680	U
1336-36-3	PCBs, Total	ND	0.0368	0.00326	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-22	Date Collected : 02/18/20 15:13
Client ID : E-195-3.0-3.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 20:55
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200220a-37	Analyst : AWS
Sample Amount : 15.57 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0366	0.00325	U
11104-28-2	Aroclor 1221	ND	0.0366	0.00367	U
11141-16-5	Aroclor 1232	ND	0.0366	0.00776	U
53469-21-9	Aroclor 1242	ND	0.0366	0.00494	U
12672-29-6	Aroclor 1248	ND	0.0366	0.00549	U
11097-69-1	Aroclor 1254	ND	0.0366	0.00400	U
37324-23-5	Aroclor 1262	ND	0.0366	0.00465	U
11100-14-4	Aroclor 1268	ND	0.0366	0.00379	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-22 Client ID : E-195-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200220a-37 Sample Amount : 15.57 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 15:13 Date Received : 02/18/20 Date Analyzed : 02/20/20 20:55 Date Extracted : 02/19/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 88 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	ND	0.0366	0.00677	U
1336-36-3	PCBs, Total	ND	0.0366	0.00325	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-23	Date Collected : 02/18/20 15:33
Client ID : E-194-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 22:26
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200220a-46	Analyst : AWS
Sample Amount : 15.32 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 83
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0393	0.00349	U
11104-28-2	Aroclor 1221	ND	0.0393	0.00394	U
11141-16-5	Aroclor 1232	ND	0.0393	0.00833	U
53469-21-9	Aroclor 1242	ND	0.0393	0.00529	U
12672-29-6	Aroclor 1248	ND	0.0393	0.00589	U
11097-69-1	Aroclor 1254	ND	0.0393	0.00430	U
37324-23-5	Aroclor 1262	ND	0.0393	0.00499	U
11100-14-4	Aroclor 1268	ND	0.0393	0.00407	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-23 Client ID : E-194-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200220a-46 Sample Amount : 15.32 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 15:33 Date Received : 02/18/20 Date Analyzed : 02/20/20 22:26 Date Extracted : 02/19/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 83 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.102	0.0393	0.00726	
1336-36-3	PCBs, Total	0.102	0.0393	0.00349	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-24	Date Collected : 02/18/20 15:40
Client ID : E-194-2.0-2.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 22:33
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200220a-47	Analyst : AWS
Sample Amount : 15.22 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0371	0.00329	U
11104-28-2	Aroclor 1221	ND	0.0371	0.00372	U
11141-16-5	Aroclor 1232	ND	0.0371	0.00786	U
53469-21-9	Aroclor 1242	ND	0.0371	0.00500	U
12672-29-6	Aroclor 1248	ND	0.0371	0.00556	U
11097-69-1	Aroclor 1254	ND	0.0371	0.00406	U
37324-23-5	Aroclor 1262	ND	0.0371	0.00471	U
11100-14-4	Aroclor 1268	ND	0.0371	0.00384	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : L2007286-24 Client ID : E-194-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200220a-47 Sample Amount : 15.22 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 15:40 Date Received : 02/18/20 Date Analyzed : 02/20/20 22:33 Date Extracted : 02/19/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 89 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.00814	0.0371	0.00685	J
1336-36-3	PCBs, Total	0.00814	0.0371	0.00329	J



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007286
Project Name	: AMTRAK- EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2007286-25	Date Collected	: 02/18/20 15:47
Client ID	: E-194-3.0-3.5	Date Received	: 02/18/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/20/20 22:39
Sample Matrix	: SOIL	Date Extracted	: 02/19/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 23200220a-48	Analyst	: AWS
Sample Amount	: 15.4 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0360	0.00320	U
11104-28-2	Aroclor 1221	ND	0.0360	0.00361	U
11141-16-5	Aroclor 1232	ND	0.0360	0.00763	U
53469-21-9	Aroclor 1242	ND	0.0360	0.00485	U
12672-29-6	Aroclor 1248	ND	0.0360	0.00540	U
11097-69-1	Aroclor 1254	ND	0.0360	0.00394	U
11096-82-5	Aroclor 1260	ND	0.0360	0.00665	U
37324-23-5	Aroclor 1262	ND	0.0360	0.00457	U
11100-14-4	Aroclor 1268	ND	0.0360	0.00373	U
1336-36-3	PCBs, Total	ND	0.0360	0.00320	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-26	Date Collected : 02/18/20 16:03
Client ID : E-188-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:55
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200221a-20	Analyst : CW
Sample Amount : 15.35 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0383	0.00340	U
11104-28-2	Aroclor 1221	ND	0.0383	0.00384	U
11141-16-5	Aroclor 1232	ND	0.0383	0.00812	U
53469-21-9	Aroclor 1242	ND	0.0383	0.00516	U
12672-29-6	Aroclor 1248	ND	0.0383	0.00575	U
11097-69-1	Aroclor 1254	ND	0.0383	0.00419	U
11096-82-5	Aroclor 1260	0.00962	0.0383	0.00708	J
37324-23-5	Aroclor 1262	ND	0.0383	0.00487	U
11100-14-4	Aroclor 1268	ND	0.0383	0.00397	U
1336-36-3	PCBs, Total	0.00962	0.0383	0.00340	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-27	Date Collected : 02/18/20 16:14
Client ID : E-188-1.5-2.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 14:02
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200221a-21	Analyst : CW
Sample Amount : 15.71 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0369	0.00327	U
11104-28-2	Aroclor 1221	ND	0.0369	0.00370	U
11141-16-5	Aroclor 1232	ND	0.0369	0.00782	U
53469-21-9	Aroclor 1242	ND	0.0369	0.00497	U
12672-29-6	Aroclor 1248	ND	0.0369	0.00553	U
11097-69-1	Aroclor 1254	ND	0.0369	0.00403	U
11096-82-5	Aroclor 1260	0.0610	0.0369	0.00682	
37324-23-5	Aroclor 1262	ND	0.0369	0.00468	U
11100-14-4	Aroclor 1268	ND	0.0369	0.00382	U
1336-36-3	PCBs, Total	0.0610	0.0369	0.00327	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-28D	Date Collected : 02/18/20 00:00
Client ID : X-8-02182020	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 20:56
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 19200221a-58	Analyst : KB
Sample Amount : 15.21 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 79
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.838	0.0744	U
11104-28-2	Aroclor 1221	ND	0.838	0.0839	U
11141-16-5	Aroclor 1232	ND	0.838	0.178	U
53469-21-9	Aroclor 1242	ND	0.838	0.113	U
12672-29-6	Aroclor 1248	ND	0.838	0.126	U
11097-69-1	Aroclor 1254	ND	0.838	0.0916	U
11096-82-5	Aroclor 1260	6.08	0.838	0.155	
37324-23-5	Aroclor 1262	ND	0.838	0.106	U
11100-14-4	Aroclor 1268	ND	0.838	0.0868	U
1336-36-3	PCBs, Total	6.08	0.838	0.0744	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-29	Date Collected : 02/18/20 16:28
Client ID : EB-8-02182020	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 02:25
Sample Matrix : WATER	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200220a-26	Analyst : AD
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1341993-1	Date Collected : NA
Client ID : WG1341993-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/19/20 12:01
Sample Matrix : WATER	Date Extracted : 02/18/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200219a-16	Analyst : AWS
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1342270-1	Date Collected : NA
Client ID : WG1342270-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/21/20 12:28
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200221a-07	Analyst : CW
Sample Amount : 15.24 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0328	0.00291	U
11104-28-2	Aroclor 1221	ND	0.0328	0.00329	U
11141-16-5	Aroclor 1232	ND	0.0328	0.00696	U
53469-21-9	Aroclor 1242	ND	0.0328	0.00442	U
12672-29-6	Aroclor 1248	ND	0.0328	0.00492	U
11097-69-1	Aroclor 1254	ND	0.0328	0.00359	U
11096-82-5	Aroclor 1260	ND	0.0328	0.00606	U
37324-23-5	Aroclor 1262	ND	0.0328	0.00417	U
11100-14-4	Aroclor 1268	ND	0.0328	0.00340	U
1336-36-3	PCBs, Total	ND	0.0328	0.00291	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1342440-1	Date Collected : NA
Client ID : WG1342440-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/20/20 21:15
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200220a-40	Analyst : AWS
Sample Amount : 15.82 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0316	0.00281	U
11104-28-2	Aroclor 1221	ND	0.0316	0.00317	U
11141-16-5	Aroclor 1232	ND	0.0316	0.00670	U
53469-21-9	Aroclor 1242	ND	0.0316	0.00426	U
12672-29-6	Aroclor 1248	ND	0.0316	0.00474	U
11097-69-1	Aroclor 1254	ND	0.0316	0.00346	U
11096-82-5	Aroclor 1260	ND	0.0316	0.00584	U
37324-23-5	Aroclor 1262	ND	0.0316	0.00401	U
11100-14-4	Aroclor 1268	ND	0.0316	0.00327	U
1336-36-3	PCBs, Total	ND	0.0316	0.00281	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1342440-5	Date Collected : 02/18/20 15:13
Client ID : E-195-3.0-3.5DUP	Date Received : 02/18/20
Sample Location :	Date Analyzed : 02/20/20 21:09
Sample Matrix : SOIL	Date Extracted : 02/19/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200220a-39	Analyst : AWS
Sample Amount : 15.43 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0369	0.003	U
11104-28-2	Aroclor 1221	ND	0.0369	0.004	U
11141-16-5	Aroclor 1232	ND	0.0369	0.008	U
53469-21-9	Aroclor 1242	ND	0.0369	0.005	U
12672-29-6	Aroclor 1248	ND	0.0369	0.006	U
11097-69-1	Aroclor 1254	ND	0.0369	0.004	U
37324-23-5	Aroclor 1262	ND	0.0369	0.005	U
11100-14-4	Aroclor 1268	ND	0.0369	0.004	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : WG1342440-5 Client ID : E-195-3.0-3.5DUP Sample Location : Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200220a-39 Sample Amount : 15.43 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 15:13 Date Received : 02/18/20 Date Analyzed : 02/20/20 21:09 Date Extracted : 02/19/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 88 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	ND	0.0369	0.007	U
1336-36-3	PCBs, Total	ND	0.0369	0.003	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1344813-1	Date Collected : NA
Client ID : WG1344813-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/27/20 13:16
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200227a-12	Analyst : JM
Sample Amount : 15.41 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0324	0.00288	U
11104-28-2	Aroclor 1221	ND	0.0324	0.00325	U
11141-16-5	Aroclor 1232	ND	0.0324	0.00688	U
53469-21-9	Aroclor 1242	ND	0.0324	0.00437	U
12672-29-6	Aroclor 1248	ND	0.0324	0.00487	U
11097-69-1	Aroclor 1254	ND	0.0324	0.00355	U
11096-82-5	Aroclor 1260	ND	0.0324	0.00600	U
37324-23-5	Aroclor 1262	ND	0.0324	0.00412	U
11100-14-4	Aroclor 1268	ND	0.0324	0.00336	U
1336-36-3	PCBs, Total	ND	0.0324	0.00288	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1344813-5D	Date Collected : 02/18/20 12:22
Client ID : E-146-3.0-3.5DUP	Date Received : 02/18/20
Sample Location :	Date Analyzed : 02/27/20 18:55
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 21200227a-32	Analyst : CW
Sample Amount : 15.15 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.203	0.018	U
11104-28-2	Aroclor 1221	ND	0.203	0.020	U
11141-16-5	Aroclor 1232	ND	0.203	0.043	U
53469-21-9	Aroclor 1242	ND	0.203	0.027	U
12672-29-6	Aroclor 1248	ND	0.203	0.031	U
11096-82-5	Aroclor 1260	0.385	0.203	0.038	
37324-23-5	Aroclor 1262	ND	0.203	0.026	U
11100-14-4	Aroclor 1268	ND	0.203	0.021	U



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

<p>Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK- EAST BARRACKS Lab ID : WG1344813-5D Client ID : E-146-3.0-3.5DUP Sample Location : Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 21200227a-32 Sample Amount : 15.15 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y</p>	<p>Lab Number : L2007286 Project Number : 277710568.0008.06 Date Collected : 02/18/20 12:22 Date Received : 02/18/20 Date Analyzed : 02/27/20 18:55 Date Extracted : 02/27/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST21 GC Column : CLP-PesticideII %Solids : 81 Injection Volume : 1 uL</p>
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.411	0.203	0.022	
1336-36-3	PCBs, Total	0.796	0.203	0.018	



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1341993-1	Lab File ID : P2200219a-16
Matrix : WATER	Extraction Date : 02/18/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/19/20 12:01	Analysis Date (2) : 02/19/20 12:01
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1341993-2LCS	WG1341993-2	02/19/20 12:14	02/19/20 12:14
WG1341993-3LCSD	WG1341993-3	02/19/20 12:28	02/19/20 12:28
EB-8-02182020	L2007286-29	02/21/20 02:25	02/21/20 02:25



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1342440-1	Lab File ID : 23200220a-40
Matrix : SOIL	Extraction Date : 02/19/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/20/20 21:15	Analysis Date (2) : 02/20/20 21:15
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
E-148-2.0-2.5	L2007286-12	02/20/20 20:08	02/20/20 20:08
E-190-1.5-2.0	L2007286-14	02/20/20 20:15	02/20/20 20:15
E-191-1.5-2.0	L2007286-15	02/20/20 20:21	02/20/20 20:21
E-192-1.5-2.0	L2007286-16	02/20/20 20:28	02/20/20 20:28
E-193-3.0-3.5	L2007286-19	02/20/20 20:48	02/20/20 20:48
E-195-3.0-3.5	L2007286-22	02/20/20 20:55	02/20/20 20:55
E-195-3.0-3.5SMS	WG1342440-4	02/20/20 21:02	02/20/20 21:02
E-195-3.0-3.5DUP	WG1342440-5	02/20/20 21:09	02/20/20 21:09
WG1342440-2LCS	WG1342440-2	02/20/20 21:22	02/20/20 21:22
WG1342440-3LCSD	WG1342440-3	02/20/20 21:29	02/20/20 21:29
E-195-0.5-1.0	L2007286-20	02/20/20 22:12	02/20/20 22:12
E-195-2.0-2.5	L2007286-21	02/20/20 22:19	02/20/20 22:19
E-194-0.5-1.0	L2007286-23	02/20/20 22:26	02/20/20 22:26
E-194-2.0-2.5	L2007286-24	02/20/20 22:33	02/20/20 22:33
E-194-3.0-3.5	L2007286-25	02/20/20 22:39	02/20/20 22:39
E-138-0.5-1.0	L2007286-05D	02/21/20 19:53	02/21/20 19:53
E-146-0.5-1.0	L2007286-07D	02/21/20 20:00	02/21/20 20:00
E-204-0.5-1.0	L2007286-01D	02/21/20 20:07	02/21/20 20:07
E-204-2.0-2.5	L2007286-02D	02/21/20 20:15	02/21/20 20:15
E-146-2.0-2.5	L2007286-08D	02/21/20 20:22	02/21/20 20:22
E-148-0.5-1.0	L2007286-11D	02/21/20 20:29	02/21/20 20:29
E-138-2.0-2.5	L2007286-06D	02/21/20 20:36	02/21/20 20:36
E-193-0.5-1.0	L2007286-17D	02/21/20 20:42	02/21/20 20:42
E-193-2.0-2.5	L2007286-18D	02/21/20 20:49	02/21/20 20:49



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1342270-1	Lab File ID : 23200221a-07
Matrix : SOIL	Extraction Date : 02/19/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/21/20 12:28	Analysis Date (2) : 02/21/20 12:28
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1342270-2LCS	WG1342270-2	02/21/20 12:34	02/21/20 12:34
WG1342270-3LCSD	WG1342270-3	02/21/20 12:41	02/21/20 12:41
E-188-0.5-1.0	L2007286-26	02/21/20 13:55	02/21/20 13:55
E-188-1.5-2.0	L2007286-27	02/21/20 14:02	02/21/20 14:02
X-8-02182020	L2007286-28D	02/21/20 20:56	02/21/20 20:56



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1344813-1	Lab File ID : 21200227a-12
Matrix : SOIL	Extraction Date : 02/27/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/27/20 13:16	Analysis Date (2) : 02/27/20 13:16
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1344813-2LCS	WG1344813-2	02/27/20 13:28	02/27/20 13:28
WG1344813-3LCSD	WG1344813-3	02/27/20 13:39	02/27/20 13:39
E-146-3.0-3.5	L2007286-09D	02/27/20 18:31	02/27/20 18:31
E-146-3.0-3.5MS	WG1344813-4D	02/27/20 18:43	02/27/20 18:43
E-146-3.0-3.5DUP	WG1344813-5D	02/27/20 18:55	02/27/20 18:55
E-204-3.0-3.5	L2007286-03D	02/27/20 19:07	02/27/20 19:07
E-204-4.0-4.5	L2007286-04D	02/27/20 19:19	02/27/20 19:19
E-146-4.0-4.5	L2007286-10D	02/27/20 19:31	02/27/20 19:31



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVIIi-17.d 2 =P2190806LVIIi-03.d 3 =P2190806LVIIi-04.d 4 =P2190806LVIIi-08.d
 5 =P2190806LVIIi-06.d 6 =P2190806LVIIi-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.580	1.358	1.329	1.239	1.126	1.195	1.305	12.25
3) s Decachlorobiphenyl	1.366	1.092	1.055	0.972	0.874	0.920	1.047	16.84
4) 11 1016-1	0.030	0.027	0.026	0.023	0.020	0.021	0.025	15.05
5) 11 1016-2	0.063	0.058	0.056	0.049	0.043	0.045	0.052	14.74
6) 11 1016-3	0.132	0.115	0.110	0.100	0.090	0.094	0.107	14.46
7) 11 1016-4	0.058	0.050	0.047	0.042	0.037	0.038	0.045	17.00
8) 11 1016-5	0.057	0.052	0.050	0.045	0.039	0.040	0.047	14.50
9) 12 1260-1	0.082	0.071	0.068	0.061	0.055	0.057	0.066	15.59
10) 12 1260-2	0.123	0.106	0.102	0.092	0.084	0.087	0.099	14.62
11) 12 1260-3	0.078	0.071	0.066	0.060	0.054	0.058	0.064	14.14
12) 12 1260-4	0.160	0.144	0.139	0.128	0.118	0.124	0.136	11.47
13) 12 1260-5	0.093	0.111	0.107	0.097	0.089	0.091	0.098	9.07
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.020	0.017	0.015	0.015	0.013	0.012	0.015	17.65
16) 13 1221-3	0.011	0.011	0.010	0.010	0.008	0.008	0.010	13.69
17) 13 1221-4	0.042	0.038	0.034	0.033	0.029	0.027	0.034	16.48
18) 14 1254-1	0.062	0.055	0.049	0.047	0.042	0.040	0.049	16.73
19) 14 1254-2	0.106	0.096	0.086	0.083	0.073	0.071	0.086	15.76
20) 14 1254-3	0.110	0.090	0.082	0.080	0.072	0.070	0.084	17.30
21) 14 1254-4	0.083	0.072	0.065	0.063	0.057	0.055	0.066	15.49
22) 14 1254-5	0.118	0.101	0.092	0.089	0.079	0.077	0.093	16.35
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.025	0.022	0.021	0.018	0.017	0.015	0.020	18.24
25) 16 1242-2	0.055	0.048	0.044	0.039	0.036	0.033	0.042	18.86
26) 16 1242-3	0.111	0.093	0.087	0.077	0.075	0.070	0.086	17.57
27) 16 1242-4	0.050	0.043	0.041	0.037	0.035	0.031	0.039	16.54
28) 16 1242-5	0.037	0.031	0.030	0.026	0.025	0.023	0.029	17.46
29) 19 1268-1	0.229	0.190	0.181	0.166	0.163	0.151	0.180	15.35
30) 19 1268-2	0.231	0.194	0.186	0.168	0.166	0.153	0.183	15.09
31) 19 1268-3	0.160	0.133	0.126	0.115	0.113	0.105	0.125	15.67
32) 19 1268-4	0.089	0.068	0.065	0.059	0.057	0.053	0.065	19.71
33) 19 1268-5	0.421	0.356	0.348	0.321	0.319	0.290	0.343	13.13
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.043	0.039	0.036	0.033	0.030	0.029	0.035	16.12
36) 17 1248-2	0.049	0.048	0.044	0.039	0.036	0.034	0.042	14.96



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.078	0.073	0.065	0.060	0.058	0.070	16.34
38) 17 1248-4	0.071	0.067	0.061	0.057	0.052	0.050	0.060	13.60
39) 17 1248-5	0.062	0.061	0.055	0.049	0.046	0.044	0.053	14.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.030	0.029	0.027	0.024	0.022	0.021	0.025	15.00
42) 15 1232-2	0.028	0.028	0.026	0.023	0.021	0.020	0.024	13.93
43) 15 1232-3	0.059	0.055	0.052	0.046	0.044	0.043	0.050	12.96
44) 15 1232-4	0.024	0.024	0.022	0.020	0.019	0.018	0.021	11.43
45) 15 1232-5	0.016	0.018	0.016	0.014	0.014	0.013	0.015	12.09
46) 18 1262-1	0.081	0.072	0.069	0.061	0.059	0.056	0.066	14.22
47) 18 1262-2	0.107	0.090	0.084	0.074	0.072	0.068	0.083	17.55
48) 18 1262-3	0.087	0.080	0.077	0.069	0.068	0.064	0.074	11.54
49) 18 1262-4	0.169	0.150	0.144	0.133	0.131	0.125	0.142	11.28
50) 18 1262-5	0.060	0.057	0.054	0.049	0.047	0.044	0.052	11.69



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007286
Project Name	: AMTRAK- EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST19	Ical Ref	: ICAL16321
Calibration dates	: 11/20/19 11:11 11/20/19 14:31		

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.481	1.319	1.295	1.217	1.125	1.224	1.277	9.48
3) s Decachlorobip	1.275	1.122	1.094	1.019	0.936	1.017	1.077	10.84
4) 11 1016-1	0.028	0.025	0.025	0.022	0.020	0.021	0.023	13.02
5) 11 1016-2	0.056	0.057	0.056	0.048	0.043	0.045	0.051	11.93
6) 11 1016-3	0.116	0.106	0.108	0.098	0.089	0.096	0.102	9.45
7) 11 1016-4	0.046	0.044	0.045	0.039	0.034	0.036	0.041	11.95
8) 11 1016-5	0.036	0.036	0.035	0.032	0.028	0.030	0.033	10.17
9) 12 1260-1	0.075	0.071	0.070	0.065	0.059	0.063	0.067	9.23
10) 12 1260-2	0.090	0.082	0.082	0.076	0.069	0.074	0.079	9.36
11) 12 1260-3	0.075	0.074	0.072	0.066	0.061	0.065	0.069	8.28
12) 12 1260-4	0.167	0.150	0.147	0.138	0.128	0.139	0.145	9.27
13) 12 1260-5	0.113	0.106	0.104	0.097	0.088	0.095	0.101	8.80
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.016	0.014	0.014	0.012	0.011	0.014	11.49
16) 13 1221-3	0.009	0.010	0.009	0.009	0.008	0.007	0.009	11.04
17) 13 1221-4	0.034	0.035	0.032	0.033	0.029	0.027	0.031	10.09
18) 14 1254-1	0.064	0.056	0.053	0.052	0.047	0.045	0.053	12.85
19) 14 1254-2	0.071	0.066	0.062	0.060	0.054	0.051	0.061	12.28
20) 14 1254-3	0.103	0.088	0.081	0.082	0.074	0.072	0.083	13.26
21) 14 1254-4	0.074	0.065	0.060	0.060	0.054	0.052	0.061	12.82
22) 14 1254-5	0.116	0.099	0.091	0.092	0.082	0.079	0.093	14.34
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.021	0.019	0.017	0.016	0.015	0.018	12.72
25) 16 1242-2	0.048	0.044	0.042	0.039	0.035	0.033	0.040	13.60
26) 16 1242-3	0.098	0.087	0.083	0.076	0.072	0.069	0.081	13.09
27) 16 1242-4	0.031	0.029	0.028	0.026	0.024	0.023	0.027	11.68
28) 16 1242-5	0.032	0.031	0.029	0.026	0.024	0.023	0.028	13.65
29) 19 1268-1	0.223	0.199	0.188	0.180	0.173	0.166	0.188	10.92
30) 19 1268-2	0.221	0.216	0.191	0.181	0.175	0.167	0.192	11.50
31) 19 1268-3	0.155	0.135	0.129	0.123	0.119	0.114	0.129	11.34
32) 19 1268-4	0.076	0.071	0.067	0.063	0.059	0.057	0.065	10.84
33) 19 1268-5	0.427	0.373	0.365	0.355	0.344	0.324	0.365	9.61
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.034	0.032	0.029	0.029	0.033	12.92
36) 17 1248-2	0.047	0.044	0.041	0.038	0.036	0.034	0.040	12.71



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.056	0.052	0.049	0.045	0.044	0.051	10.97
38) 17 1248-4	0.061	0.063	0.058	0.054	0.051	0.050	0.056	9.27
39) 17 1248-5	0.069	0.070	0.064	0.060	0.057	0.056	0.063	9.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.027	0.025	0.023	0.021	0.021	0.024	13.92
42) 15 1232-2	0.030	0.026	0.026	0.023	0.022	0.021	0.024	13.66
43) 15 1232-3	0.052	0.051	0.048	0.044	0.042	0.041	0.046	10.00
44) 15 1232-4	0.015	0.015	0.015	0.014	0.014	0.013	0.014	7.89
45) 15 1232-5	0.016	0.015	0.015	0.014	0.014	0.013	0.014	8.16
46) 18 1262-1	0.060	0.060	0.058	0.053	0.053	0.050	0.055	7.71
47) 18 1262-2	0.090	0.087	0.082	0.075	0.074	0.071	0.080	9.98
48) 18 1262-3	0.082	0.080	0.080	0.072	0.072	0.068	0.076	7.32
49) 18 1262-4	0.160	0.150	0.149	0.138	0.138	0.132	0.144	6.99
50) 18 1262-5	0.058	0.059	0.054	0.050	0.048	0.047	0.053	10.11



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.035	1.042	1.067	1.034	0.969	1.089	1.039	3.89
3) s Decachlorobiphenyl	0.939	0.851	0.852	0.848	0.769	0.850	0.851	6.34
4) 11 1016-1	0.024	0.020	0.021	0.018	0.016	0.017	0.019	14.55
5) 11 1016-2	0.050	0.047	0.045	0.041	0.036	0.039	0.043	12.39
6) 11 1016-3	0.086	0.082	0.082	0.078	0.072	0.079	0.080	5.87
7) 11 1016-4	0.038	0.036	0.036	0.033	0.030	0.032	0.034	8.88
8) 11 1016-5	0.038	0.039	0.039	0.036	0.032	0.035	0.036	7.19
9) 12 1260-1	0.062	0.056	0.056	0.052	0.047	0.051	0.054	9.15
10) 12 1260-2	0.089	0.082	0.082	0.079	0.071	0.077	0.080	7.62
11) 12 1260-3	0.054	0.052	0.052	0.048	0.046	0.050	0.050	6.05
12) 12 1260-4	0.110	0.105	0.107	0.107	0.100	0.111	0.107	3.85
13) 12 1260-5	0.079	0.076	0.078	0.076	0.070	0.078	0.076	4.20
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.011	0.011	0.011	0.011	0.010	0.010	0.011	6.66
16) 13 1221-2	0.006	0.007	0.007	0.007	0.006	0.006	0.006	8.85
17) 13 1221-3	0.032	0.028	0.026	0.027	0.023	0.023	0.026	13.08
18) 14 1254-1	0.050	0.043	0.039	0.040	0.036	0.035	0.041	13.23
19) 14 1254-2	0.085	0.073	0.067	0.070	0.063	0.062	0.070	12.27
20) 14 1254-3	0.086	0.075	0.071	0.076	0.070	0.069	0.075	8.28
21) 14 1254-4	0.062	0.055	0.052	0.054	0.049	0.048	0.053	9.62
22) 14 1254-5	0.080	0.072	0.069	0.073	0.068	0.067	0.071	6.64
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.017	0.017	0.016	0.014	0.013	0.013	0.015	12.12
25) 16 1242-2	0.044	0.041	0.037	0.032	0.031	0.029	0.036	16.90
26) 16 1242-3	0.074	0.067	0.065	0.060	0.059	0.058	0.064	9.62
27) 16 1242-4	0.027	0.024	0.024	0.021	0.021	0.020	0.023	11.96
28) 16 1242-5	0.025	0.023	0.023	0.020	0.020	0.019	0.022	10.85
29) 19 1268-1	0.166	0.147	0.150	0.141	0.145	0.142	0.148	6.27
30) 19 1268-2	0.180	0.156	0.158	0.148	0.151	0.148	0.157	7.63
31) 19 1268-3	0.110	0.100	0.101	0.094	0.097	0.096	0.100	5.71
32) 19 1268-4	0.044	0.046	0.049	0.046	0.047	0.046	0.046	3.26
33) 19 1268-5	0.333	0.281	0.297	0.283	0.294	0.286	0.296	6.49
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.054	0.055	0.051	0.049	0.047	0.048	0.051	6.37
36) 17 1248-2	0.043	0.042	0.039	0.036	0.034	0.034	0.038	10.22



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.065	0.060	0.058	0.053	0.051	0.051	0.056	9.53
38) 17 1248-4	0.052	0.049	0.048	0.044	0.044	0.045	0.047	6.35
39) 17 1248-5	0.043	0.041	0.040	0.038	0.038	0.038	0.040	5.65
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.026	0.022	0.020	0.018	0.018	0.017	0.020	16.89
42) 15 1232-2	0.024	0.021	0.022	0.019	0.017	0.017	0.020	13.78
43) 15 1232-3	0.039	0.038	0.037	0.035	0.033	0.035	0.036	6.49
44) 15 1232-4	0.017	0.018	0.017	0.015	0.015	0.015	0.016	9.16
45) 15 1232-5	0.012	0.012	0.012	0.011	0.010	0.010	0.011	8.20
46) 18 1262-1	0.058	0.055	0.053	0.049	0.047	0.049	0.052	7.75
47) 18 1262-2	0.073	0.070	0.067	0.063	0.061	0.064	0.066	6.94
48) 18 1262-3	0.056	0.061	0.059	0.056	0.055	0.058	0.058	4.16
49) 18 1262-4	0.119	0.125	0.123	0.119	0.120	0.126	0.122	2.45
50) 18 1262-5	0.037	0.037	0.038	0.036	0.035	0.037	0.037	2.44



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Signal #2 Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.022	1.030	1.076	1.057	0.976	1.079	1.040	3.75
3) s Decachlorobip	0.816	0.706	0.715	0.704	0.639	0.706	0.714	7.98
4) 11 1016-1	0.024	0.021	0.021	0.019	0.017	0.018	0.020	13.31
5) 11 1016-2	0.050	0.047	0.047	0.043	0.038	0.040	0.044	10.89
6) 11 1016-3	0.051	0.048	0.049	0.046	0.042	0.046	0.047	6.43
7) 11 1016-4	0.036	0.035	0.035	0.032	0.029	0.031	0.033	8.48
8) 11 1016-5	0.031	0.029	0.029	0.027	0.024	0.025	0.027	9.63
9) 12 1260-1	0.060	0.055	0.055	0.052	0.047	0.051	0.053	8.60
10) 12 1260-2	0.069	0.065	0.065	0.061	0.055	0.060	0.063	7.63
11) 12 1260-3	0.052	0.051	0.052	0.050	0.045	0.049	0.050	5.39
12) 12 1260-4	0.103	0.104	0.106	0.105	0.095	0.105	0.103	3.79
13) 12 1260-5	0.072	0.071	0.072	0.069	0.064	0.071	0.070	4.47
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.015	0.013	0.012	0.012	0.011	0.010	0.012	12.85
16) 13 1221-2	0.010	0.008	0.008	0.008	0.007	0.006	0.008	15.13
17) 13 1221-3	0.034	0.030	0.028	0.028	0.025	0.023	0.028	13.75
18) 14 1254-1	0.053	0.046	0.043	0.044	0.040	0.038	0.044	11.82
19) 14 1254-2	0.067	0.056	0.050	0.051	0.046	0.044	0.053	15.45
20) 14 1254-3	0.081	0.073	0.068	0.072	0.066	0.064	0.071	8.60
21) 14 1254-4	0.056	0.052	0.049	0.052	0.047	0.046	0.050	7.62
22) 14 1254-5	0.076	0.071	0.067	0.071	0.065	0.063	0.069	7.08
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.017	0.017	0.015	0.014	0.013	0.016	16.33
25) 16 1242-2	0.043	0.039	0.037	0.033	0.032	0.030	0.036	14.11
26) 16 1242-3	0.044	0.039	0.038	0.035	0.034	0.034	0.038	10.72
27) 16 1242-4	0.029	0.024	0.024	0.021	0.021	0.020	0.023	14.38
28) 16 1242-5	0.027	0.023	0.023	0.021	0.020	0.019	0.022	12.64
29) 19 1268-1	0.152	0.132	0.135	0.124	0.128	0.124	0.133	7.91
30) 19 1268-2	0.149	0.130	0.133	0.123	0.127	0.124	0.131	7.29
31) 19 1268-3	0.101	0.086	0.088	0.081	0.084	0.082	0.087	8.29
32) 19 1268-4	0.043	0.041	0.043	0.039	0.040	0.039	0.041	4.12
33) 19 1268-5	0.263	0.238	0.249	0.236	0.244	0.238	0.245	4.08
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.029	0.028	0.027	0.026	0.025	0.028	8.32
36) 17 1248-2	0.041	0.039	0.036	0.034	0.032	0.031	0.035	11.39



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Signal #2 Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.049	0.046	0.044	0.041	0.039	0.039	0.043	9.35
38) 17 1248-4	0.052	0.051	0.048	0.047	0.044	0.044	0.048	7.21
39) 17 1248-5	0.057	0.055	0.053	0.051	0.048	0.048	0.052	6.91
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.023	0.023	0.022	0.020	0.018	0.018	0.021	11.22
42) 15 1232-2	0.023	0.023	0.022	0.020	0.019	0.018	0.021	10.09
43) 15 1232-3	0.024	0.022	0.022	0.020	0.020	0.020	0.021	7.24
44) 15 1232-4	0.014	0.013	0.013	0.011	0.011	0.011	0.012	10.05
45) 15 1232-5	0.013	0.012	0.012	0.011	0.011	0.011	0.012	9.15
46) 18 1262-1	0.049	0.047	0.046	0.042	0.040	0.041	0.044	8.47
47) 18 1262-2	0.069	0.063	0.062	0.057	0.056	0.057	0.061	8.50
48) 18 1262-3	0.057	0.058	0.056	0.052	0.052	0.053	0.055	4.85
49) 18 1262-4	0.103	0.106	0.104	0.100	0.099	0.101	0.102	2.64
50) 18 1262-5	0.035	0.035	0.036	0.034	0.033	0.034	0.035	2.44



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.840	1.624	1.528	1.377	1.453	1.347	1.528	11.98
3) s Decachlorobiphenyl	1.781	1.325	1.193	1.042	1.073	0.983	*L	0.9974
4) 11 1016-1	0.036	0.031	0.030	0.026	0.026	0.023	0.029	16.24
5) 11 1016-2	0.082	0.069	0.065	0.055	0.055	0.049	0.062	19.00
6) 11 1016-3	0.149	0.129	0.121	0.107	0.110	0.100	0.119	15.01
7) 11 1016-4	0.061	0.057	0.054	0.046	0.048	0.043	0.052	13.27
8) 11 1016-5	0.068	0.058	0.056	0.049	0.050	0.044	0.054	15.63
9) 12 1260-1	0.102	0.082	0.076	0.066	0.067	0.061	0.076	19.85
10) 12 1260-2	0.154	0.126	0.116	0.101	0.103	0.093	0.115	19.31
11) 12 1260-3	0.090	0.078	0.073	0.064	0.065	0.059	0.072	15.91
12) 12 1260-4	0.200	0.162	0.150	0.135	0.141	0.131	0.153	16.62
13) 12 1260-5	0.104	0.088	0.082	0.072	0.074	0.068	0.082	16.17
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.023	0.018	0.017	0.015		0.019	15.21
16) 13 1221-2	0.010	0.014	0.011	0.010	0.010		0.011	17.65
17) 13 1221-3	0.047	0.053	0.043	0.037	0.034		0.043	18.02
18) 14 1254-1	0.074	0.078	0.060	0.051	0.048	0.041	*Q	0.9949
19) 14 1254-2	0.137	0.134	0.103	0.088	0.083	0.071	*Q	0.9953
20) 14 1254-3	0.121	0.125	0.097	0.085	0.081	0.070	*Q	0.9960
21) 14 1254-4	0.096	0.101	0.079	0.069	0.065	0.056	*Q	0.9960
22) 14 1254-5	0.140	0.139	0.109	0.095	0.090	0.078	*Q	0.9963
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.030	0.025	0.025	0.023	0.020	0.018	0.024	17.63
25) 16 1242-2	0.133	0.107	0.105	0.094	0.084	0.079	0.100	19.34
26) 16 1242-3	0.042	0.046	0.046	0.043	0.037	0.035	0.042	11.40
27) 16 1242-4	0.063	0.050	0.050	0.046	0.040	0.037	0.048	19.65
28) 16 1242-5	0.042	0.035	0.035	0.032	0.028	0.026	0.033	17.07
29) 19 1268-1	0.321	0.224	0.215	0.197	0.180	0.172	*L	0.9970
30) 19 1268-2	0.313	0.225	0.216	0.198	0.180	0.172	*L	0.9969
31) 19 1268-3	0.215	0.156	0.149	0.136	0.123	0.117	*L	0.9964
32) 19 1268-4	0.108	0.082	0.079	0.071	0.064	0.060	*L	0.9950
33) 19 1268-5	0.618	0.415	0.402	0.377	0.347	0.333	*L	0.9980
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.041	0.039	0.036	0.029	0.033	0.027	0.034	16.16
36) 17 1248-2	0.057	0.056	0.049	0.041	0.044	0.038	0.048	16.77



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.082	0.072	0.062	0.066	0.058	0.071	16.56
38) 17 1248-4	0.068	0.069	0.060	0.051	0.055	0.049	0.059	14.86
39) 17 1248-5	0.061	0.066	0.057	0.047	0.051	0.045	0.055	14.70
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.040	0.036	0.036	0.030	0.027	0.025	0.032	18.07
42) 15 1232-2	0.041	0.035	0.035	0.030	0.027	0.024	0.032	19.55
43) 15 1232-3	0.077	0.067	0.066	0.056	0.052	0.048	0.061	17.45
44) 15 1232-4	0.034	0.029	0.029	0.026	0.023	0.021	0.027	16.56
45) 15 1232-5	0.024	0.020	0.020	0.018	0.016	0.015	0.019	17.06
46) 18 1262-1	0.112	0.096	0.090	0.076	0.070		*L	0.9920
47) 18 1262-2	0.173	0.126	0.113	0.093	0.087		*L	0.9923
48) 18 1262-3	0.127	0.104	0.098	0.082	0.077		*L	0.9932
49) 18 1262-4	0.241	0.191	0.180	0.156	0.150		*L	0.9966
50) 18 1262-5	0.086	0.073	0.069	0.059	0.055		*L	0.9931



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.593	1.421	1.332	1.261	1.378	1.307	1.382	8.51
3) s Decachlorobip	1.681	1.312	1.188	1.080	1.145	1.076	1.247	18.42
4) 11 1016-1	0.031	0.028	0.027	0.024	0.025	0.022	0.026	11.60
5) 11 1016-2	0.072	0.064	0.059	0.053	0.055	0.050	0.059	13.55
6) 11 1016-3	0.138	0.118	0.114	0.104	0.111	0.103	0.115	11.12
7) 11 1016-4	0.055	0.047	0.045	0.041	0.043	0.039	0.045	12.58
8) 11 1016-5	0.045	0.038	0.038	0.035	0.036	0.033	0.038	11.16
9) 12 1260-1	0.099	0.079	0.076	0.068	0.071	0.066	0.077	15.38
10) 12 1260-2	0.117	0.095	0.088	0.080	0.084	0.079	0.091	15.45
11) 12 1260-3	0.096	0.080	0.076	0.069	0.073	0.068	0.077	13.68
12) 12 1260-4	0.193	0.162	0.153	0.142	0.154	0.147	0.158	11.41
13) 12 1260-5	0.137	0.116	0.111	0.101	0.107	0.101	0.112	12.25
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.021	0.016	0.015	0.014		0.017	16.92
16) 13 1221-2	0.013	0.013	0.011	0.010	0.009		0.011	15.13
17) 13 1221-3	0.047	0.048	0.039	0.035	0.033		0.040	17.44
18) 14 1254-1	0.074	0.079	0.063	0.056	0.054	0.050	*L	0.9924
19) 14 1254-2	0.092	0.094	0.072	0.064	0.062	0.057	*L	0.9920
20) 14 1254-3	0.114	0.120	0.096	0.085	0.084	0.079	*L	0.9945
21) 14 1254-4	0.087	0.092	0.072	0.065	0.064	0.060	*L	0.9940
22) 14 1254-5	0.124	0.132	0.105	0.094	0.092	0.086	*L	0.9940
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.027	0.022	0.023	0.021	0.019	0.017	0.022	16.41
25) 16 1242-2	0.063	0.051	0.051	0.048	0.042	0.039	0.049	17.68
26) 16 1242-3	0.123	0.095	0.096	0.090	0.082	0.079	0.094	16.48
27) 16 1242-4	0.042	0.033	0.033	0.033	0.028	0.026	0.033	16.88
28) 16 1242-5	0.039	0.032	0.033	0.031	0.028	0.026	0.031	13.91
29) 19 1268-1	0.301	0.217	0.218	0.205	0.193	0.190	*L	0.9992
30) 19 1268-2	0.287	0.215	0.217	0.203	0.190	0.187	*L	0.9989
31) 19 1268-3	0.200	0.149	0.147	0.138	0.129	0.127	*L	0.9989
32) 19 1268-4	0.110	0.077	0.077	0.073	0.066	0.064	*L	0.9978
33) 19 1268-5	0.589	0.413	0.413	0.403	0.382	0.382	*L	0.9997
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.032	0.029	0.031	0.028	0.033	13.55
36) 17 1248-2	0.050	0.048	0.043	0.037	0.040	0.035	0.042	13.89



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.061	0.059	0.053	0.045	0.049	0.044	0.052	13.69
38) 17 1248-4	0.065	0.064	0.058	0.050	0.056	0.050	0.057	11.36
39) 17 1248-5	0.072	0.072	0.064	0.056	0.061	0.056	0.063	11.30
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.039	0.033	0.032	0.028	0.026	0.024	0.030	18.61
42) 15 1232-2	0.039	0.034	0.034	0.029	0.027	0.025	0.031	17.27
43) 15 1232-3	0.071	0.059	0.060	0.053	0.050	0.047	0.057	15.18
44) 15 1232-4	0.023	0.020	0.019	0.017	0.016	0.015	0.018	15.25
45) 15 1232-5	0.021	0.019	0.018	0.017	0.016	0.015	0.017	13.01
46) 18 1262-1	0.090	0.077	0.074	0.064	0.060		0.073	16.26
47) 18 1262-2	0.127	0.106	0.102	0.088	0.085		0.102	16.62
48) 18 1262-3	0.121	0.101	0.097	0.085	0.081		0.097	16.30
49) 18 1262-4	0.219	0.185	0.178	0.159	0.156		0.179	14.09
50) 18 1262-5	0.079	0.068	0.068	0.058	0.056		0.066	14.02



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/19/20 07:38
Lab File ID : P2200219a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1342194-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	133	0
2,4,5,6-Tetrachloro-m-xylene	16	15.573	-	2.7	20	131	0
Decachlorobiphenyl	32	29.838	-	6.8	20	131	0
1016-1	250	254.453	-	-1.8	20	141	0
1016-2	250	233.997	-	6.4	20	126	0
1016-3	250	223.78	-	10.5	20	128	0
1016-4	250	247.576	-	1	20	134	0
1016-5	250	258.71	-	-3.5	20	139	0
1260-1	250	230.263	-	7.9	20	128	0
1260-2	250	243.364	-	2.7	20	134	0
1260-3	250	241.599	-	3.4	20	135	0
1260-4	250	240.069	-	4	20	133	0
1260-5	250	227.123	-	9.2	20	134	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/19/20 07:38
Lab File ID : P2200219a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1342194-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	109	0
2,4,5,6-Tetrachloro-m-xylen	16	16.454	-	-2.8	20	118	0
Decachlorobiphenyl #2	32	35.026	-	-9.5	20	131	.02
1016-1 #2	250	254.786	-	-1.9	20	119	0
1016-2 #2	250	262.46	-	-5	20	121	0
1016-3 #2	250	252.401	-	-1	20	117	0
1016-4 #2	250	261.404	-	-4.6	20	117	0
1016-5 #2	250	246.684	-	1.3	20	114	0
1260-1 #2	250	269.011	-	-7.6	20	132	0
1260-2 #2	250	267.519	-	-7	20	129	0
1260-3 #2	250	265.515	-	-6.2	20	127	0
1260-4 #2	250	262.512	-	-5	20	124	0
1260-5 #2	250	238.481	-	4.6	20	119	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/20/20 17:34
Lab File ID : 23200220a-22	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1342660-2	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	71	0
2,4,5,6-Tetrachloro-m-xylene	160	166.74	-	-4.2	15	82	0
Decachlorobiphenyl	320	411.936	-	-28.7*	15	91	0
1016-1	2500	2757.151	-	-10.3	15	86	0
1016-2	2500	2675.618	-	-7	15	86	0
1016-3	2500	2727.429	-	-9.1	15	87	0
1016-4	2500	2715.472	-	-8.6	15	87	0
1016-5	2500	2789.714	-	-11.6	15	87	0
1260-1	2500	2700.799	-	-8	15	88	0
1260-2	2500	2708.553	-	-8.3	15	88	0
1260-3	2500	2779.133	-	-11.2	15	89	0
1260-4	2500	2839.598	-	-13.6	15	92	0
1260-5	2500	2835.962	-	-13.4	15	91	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/20/20 17:34
Lab File ID : 23200220a-22	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1342660-2	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	88	0
2,4,5,6-Tetrachloro-m-xylene	160	169.678	-	-6	15	102	0
Decachlorobiphenyl #2	320	323.64	-	-1.1	15	103	0
1016-1 #2	2500	2835.554	-	-13.4	15	108	0
1016-2 #2	2500	2681.109	-	-7.2	15	104	0
1016-3 #2	2500	2687.654	-	-7.5	15	104	0
1016-4 #2	2500	2766.279	-	-10.7	15	106	0
1016-5 #2	2500	2745.515	-	-9.8	15	104	0
1260-1 #2	2500	2562.694	-	-2.5	15	101	0
1260-2 #2	2500	2638.478	-	-5.5	15	105	0
1260-3 #2	2500	2563.728	-	-2.5	15	101	0
1260-4 #2	2500	2719.475	-	-8.8	15	106	0
1260-5 #2	2500	2731.117	-	-9.2	15	107	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/20/20 21:36
Lab File ID : 23200220a-43	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1342660-3	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	86	0
2,4,5,6-Tetrachloro-m-xylene	160	152.828	-	4.5	15	92	0
Decachlorobiphenyl	320	367.457	-	-14.8	15	99	0
1016-1	2500	2522.659	-	-0.9	15	96	0
1016-2	2500	2466.901	-	1.3	15	97	0
1016-3	2500	2506.959	-	-0.3	15	97	-.01
1016-4	2500	2509.055	-	-0.4	15	97	-.01
1016-5	2500	2554.313	-	-2.2	15	97	-.02
1260-1	2500	2505.174	-	-0.2	15	99	0
1260-2	2500	2504.592	-	-0.2	15	99	0
1260-3	2500	2560.853	-	-2.4	15	99	0
1260-4	2500	2570.203	-	-2.8	15	101	0
1260-5	2500	2539.174	-	-1.6	15	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/20/20 21:36
Lab File ID : 23200220a-43	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1342660-3	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	104	0
2,4,5,6-Tetrachloro-m-xylene	160	161.757	-	-1.1	15	115	0
Decachlorobiphenyl #2	320	284.392	-	11.1	15	107	0
1016-1 #2	2500	2709.832	-	-8.4	15	122	0
1016-2 #2	2500	2580.083	-	-3.2	15	119	0
1016-3 #2	2500	2556.827	-	-2.3	15	118	-.01
1016-4 #2	2500	2638.73	-	-5.5	15	120	-.02
1016-5 #2	2500	2656.924	-	-6.3	15	120	-.02
1260-1 #2	2500	2417.053	-	3.3	15	113	0
1260-2 #2	2500	2512.834	-	-0.5	15	118	0
1260-3 #2	2500	2571.061	-	-2.8	15	120	0
1260-4 #2	2500	2566.66	-	-2.7	15	119	0
1260-5 #2	2500	2575.231	-	-3	15	119	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/20/20 23:26
Lab File ID : P2200220a-15	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1342673-5	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	135	0
2,4,5,6-Tetrachloro-m-xylene	16	15.429	-	3.6	20	131	.01
Decachlorobiphenyl	32	30.246	-	5.5	20	134	.03
1016-1	250	253.683	-	-1.5	20	142	.01
1016-2	250	246.512	-	1.4	20	134	.02
1016-3	250	244.145	-	2.3	20	141	.02
1016-4	250	261.536	-	-4.6	20	143	.02
1016-5	250	268.965	-	-7.6	20	146	.02
1260-1	250	239.048	-	4.4	20	134	.01
1260-2	250	246.271	-	1.5	20	136	.01
1260-3	250	241.734	-	3.3	20	136	.01
1260-4	250	239.716	-	4.1	20	134	.01
1260-5	250	230.185	-	7.9	20	137	.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/20/20 23:26
Lab File ID : P2200220a-15	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1342673-5	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	106	0
2,4,5,6-Tetrachloro-m-xylene	16	16.536	-	-3.4	20	115	0
Decachlorobiphenyl #2	32	34.463	-	-7.7	20	126	.04
1016-1 #2	250	247.399	-	1	20	112	0
1016-2 #2	250	256.346	-	-2.5	20	115	0
1016-3 #2	250	243.498	-	2.6	20	109	0
1016-4 #2	250	254.054	-	-1.6	20	110	0
1016-5 #2	250	241.98	-	3.2	20	109	0
1260-1 #2	250	269.425	-	-7.8	20	129	0
1260-2 #2	250	270.566	-	-8.2	20	127	0
1260-3 #2	250	268.794	-	-7.5	20	125	0
1260-4 #2	250	268.748	-	-7.5	20	123	.01
1260-5 #2	250	247.566	-	1	20	120	.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/21/20 09:43
Lab File ID : 23200221a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1343129-1	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	87	0
2,4,5,6-Tetrachloro-m-xylene	160	139.628	-	12.7	15	84	0
Decachlorobiphenyl	320	321.3	-	-0.4	15	88	0
1016-1	2500	2409.554	-	3.6	15	92	0
1016-2	2500	2236.335	-	10.5	15	88	0
1016-3	2500	2233.935	-	10.6	15	87	0
1016-4	2500	2246.815	-	10.1	15	88	0
1016-5	2500	2317.883	-	7.3	15	88	0
1260-1	2500	2213.488	-	11.5	15	88	0
1260-2	2500	2216.931	-	11.3	15	88	0
1260-3	2500	2258.363	-	9.7	15	88	0
1260-4	2500	2235.063	-	10.6	15	88	0
1260-5	2500	2246.147	-	10.2	15	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/21/20 09:43
Lab File ID : 23200221a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1343129-1	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	108	-.05
2,4,5,6-Tetrachloro-m-xylene	160	142.503	-	10.9	15	105	-.06
Decachlorobiphenyl #2	320	241.417	-	24.6*	15	94	-.06
1016-1 #2	2500	2429.37	-	2.8	15	113	-.06
1016-2 #2	2500	2310.011	-	7.6	15	110	-.06
1016-3 #2	2500	2262.267	-	9.5	15	108	-.06
1016-4 #2	2500	2379.49	-	4.8	15	112	-.06
1016-5 #2	2500	2341.007	-	6.4	15	109	-.06
1260-1 #2	2500	2233.891	-	10.6	15	108	-.06
1260-2 #2	2500	2212.927	-	11.5	15	107	-.06
1260-3 #2	2500	2207.217	-	11.7	15	106	-.06
1260-4 #2	2500	2205.588	-	11.8	15	106	-.06
1260-5 #2	2500	2130.135	-	14.8	15	102	-.06

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/21/20 17:56
Lab File ID : 19200221a-44	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1343090-3	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	61	0
2,4,5,6-Tetrachloro-m-xylene	160	189.444	-	-18.4	20	77	0
Decachlorobiphenyl	320	344.987	-	-7.8	20	71	0
1016-1	2500	2816.838	-	-12.7	20	73	0
1016-2	2500	2801.493	-	-12.1	20	73	0
1016-3	2500	2909.838	-	-16.4	20	76	0
1016-4	2500	2868.958	-	-14.8	20	76	0
1016-5	2500	2814.845	-	-12.6	20	72	0
1260-1	2500	2760.229	-	-10.4	20	73	0
1260-2	2500	2812.672	-	-12.5	20	74	0
1260-3	2500	2807.155	-	-12.3	20	74	0
1260-4	2500	2874.333	-	-15	20	75	0
1260-5	2500	2863.129	-	-14.5	20	71	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/21/20 17:56
Lab File ID : 19200221a-44	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1343090-3	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	100	0
2,4,5,6-Tetrachloro-m-xylene	160	177.56	-	-11	20	116	0
Decachlorobiphenyl #2	320	306.11	-	4.3	20	101	0
1016-1 #2	2500	2795.786	-	-11.8	20	117	0
1016-2 #2	2500	2736.422	-	-9.5	20	116	0
1016-3 #2	2500	2834.251	-	-13.4	20	118	0
1016-4 #2	2500	2769.325	-	-10.8	20	116	0
1016-5 #2	2500	2733.435	-	-9.3	20	113	0
1260-1 #2	2500	2594.17	-	-3.8	20	108	0
1260-2 #2	2500	2568.515	-	-2.7	20	107	0
1260-3 #2	2500	2529.702	-	-1.2	20	105	0
1260-4 #2	2500	2562.109	-	-2.5	20	108	0
1260-5 #2	2500	2536.138	-	-1.4	20	105	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Calibration Date : 02/27/20 08:25
Lab File ID : 21200227a-02	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1344944-1	Init. Calib. Times : 18:54 00:38
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	117	0
2,4,5,6-Tetrachloro-m-xylene	160	157.178	-	1.8	15	116	0
Decachlorobiphenyl	320	257.844	-	19.4*	15	95	0
1016-1	2500	2655.726	-	-6.2	15	131	0
1016-2	2500	2336.53	-	6.5	15	115	0
1016-3	2500	2500.417	-	-0	15	119	0
1016-4	2500	2441.942	-	2.3	15	117	0
1016-5	2500	2460.58	-	1.6	15	117	0
1260-1	2500	2349.649	-	6	15	113	0
1260-2	2500	2392.153	-	4.3	15	113	0
1260-3	2500	2336.066	-	6.6	15	114	0
1260-4	2500	2326.299	-	6.9	15	109	0
1260-5	2500	2251.413	-	9.9	15	106	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Calibration Date : 02/27/20 08:25
Lab File ID : 21200227a-02	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1344944-1	Init. Calib. Times : 18:54 00:38
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	113	0
2,4,5,6-Tetrachloro-m-xylene	160	157.087	-	1.8	15	109	0
Decachlorobiphenyl #2	320	250.251	-	21.8*	15	90	.01
1016-1 #2	2500	2303.655	-	7.9	15	108	0
1016-2 #2	2500	2371.095	-	5.2	15	110	0
1016-3 #2	2500	2418.734	-	3.3	15	111	0
1016-4 #2	2500	2382.275	-	4.7	15	110	0
1016-5 #2	2500	2366.987	-	5.3	15	110	0
1260-1 #2	2500	2354.249	-	5.8	15	109	0
1260-2 #2	2500	2301.214	-	8	15	106	0
1260-3 #2	2500	2207.969	-	11.7	15	100	0
1260-4 #2	2500	2178.262	-	12.9	15	96	0
1260-5 #2	2500	2103.735	-	15.9*	15	95	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Calibration Date : 02/27/20 15:27
Lab File ID : 21200227a-23	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1344944-2	Init. Calib. Times : 18:54 00:38
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	103	0
2,4,5,6-Tetrachloro-m-xylene	160	161.178	-	-0.7	15	104	0
Decachlorobiphenyl	320	283.259	-	11.5	15	91	0
1016-1	2500	2488.759	-	0.4	15	108	0
1016-2	2500	2376.829	-	4.9	15	103	0
1016-3	2500	2559.642	-	-2.4	15	107	0
1016-4	2500	2484.089	-	0.6	15	105	0
1016-5	2500	2484.284	-	0.6	15	104	0
1260-1	2500	2381.747	-	4.7	15	101	0
1260-2	2500	2432.592	-	2.7	15	101	0
1260-3	2500	2439.554	-	2.4	15	105	0
1260-4	2500	2508.751	-	-0.4	15	103	0
1260-5	2500	2482.648	-	0.7	15	103	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Calibration Date : 02/27/20 15:27
Lab File ID : 21200227a-23	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1344944-2	Init. Calib. Times : 18:54 00:38
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	102	0
2,4,5,6-Tetrachloro-m-xylene	160	159.484	-	0.3	15	100	0
Decachlorobiphenyl #2	320	282.225	-	11.8	15	92	0
1016-1 #2	2500	2394.106	-	4.2	15	102	0
1016-2 #2	2500	2407.349	-	3.7	15	102	0
1016-3 #2	2500	2455.998	-	1.8	15	102	0
1016-4 #2	2500	2402.363	-	3.9	15	100	0
1016-5 #2	2500	2386.863	-	4.5	15	101	0
1260-1 #2	2500	2386.911	-	4.5	15	100	0
1260-2 #2	2500	2358.283	-	5.7	15	98	0
1260-3 #2	2500	2433.971	-	2.6	15	100	0
1260-4 #2	2500	2442.854	-	2.3	15	98	0
1260-5 #2	2500	2347.511	-	6.1	15	97	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007286
Project Name : AMTRAK- EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279800-1	01/29/20 18:49
1242/1268 L2	R1279800-2	01/29/20 18:56
1242/1268 L3	R1279800-4	01/29/20 19:02
1242/1268 L4	R1279800-3	01/29/20 19:09
1242/1268 L5	R1279800-6	01/29/20 19:16
1242/1268 L6	R1279800-5	01/29/20 19:23
1232/1262 L1	R1279800-7	01/29/20 19:30
1232/1262 L2	R1279800-8	01/29/20 19:37
1232/1262 L3	R1279800-9	01/29/20 19:43
1232/1262 L4	R1279800-10	01/29/20 19:50
1232/1262 L5	R1279800-12	01/29/20 19:57
1232 L6	R1279800-11	01/29/20 20:04
1248 L1	R1279800-14	01/29/20 20:10
1248 L2	R1279800-13	01/29/20 20:17
1248 L3	R1279800-16	01/29/20 20:24
1248 L4	R1279800-15	01/29/20 20:31
1248 L5	R1279800-18	01/29/20 20:37
1248 L6	R1279800-17	01/29/20 20:44
1221/1254 L1	R1279800-19	01/29/20 20:51
1221/1254 L2	R1279800-20	01/29/20 20:58
1221/1254 L4	R1279800-22	01/29/20 21:11
1221/1254 L5	R1279800-23	01/29/20 21:18
1254 L6	R1279800-21	01/29/20 21:25
1016/1260 L1	R1279800-24	01/29/20 21:32
1016/1260 L2	R1279800-25	01/29/20 21:38
1016/1260 L3	R1279800-27	01/29/20 21:45
1016/1260 L4	R1279800-26	01/29/20 21:52
1016/1260 L5	R1279800-28	01/29/20 21:58
1016/1260 L6	R1279800-29	01/29/20 22:05
R1279800-30 ICV	R1279800-30	01/29/20 22:12
R1279800-31 ICV	R1279800-31	01/29/20 22:19
R1279800-33 ICV	R1279800-33	01/29/20 22:25
R1279800-32 ICV	R1279800-32	01/29/20 22:39
1221/1254 L3	R1279800-35	01/30/20 22:53
R1279800-34 ICV	R1279800-34	01/30/20 23:00
WG1342660-2 CCAL	WG1342660-2	02/20/20 17:34
E-148-2.0-2.5	L2007286-12	02/20/20 20:08
E-190-1.5-2.0	L2007286-14	02/20/20 20:15
E-191-1.5-2.0	L2007286-15	02/20/20 20:21
E-192-1.5-2.0	L2007286-16	02/20/20 20:28
E-193-3.0-3.5	L2007286-19	02/20/20 20:48
E-195-3.0-3.5	L2007286-22	02/20/20 20:55



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2007286
 Project Name : AMTRAK- EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST23 Initial Calib. Date(s) : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
E-195-3.0-3.5 MS	WG1342440-4	02/20/20 21:02
E-195-3.0-3.5 DUP	WG1342440-5	02/20/20 21:09
WG1342440-1 BLANK	WG1342440-1	02/20/20 21:15
WG1342440-2 LCS	WG1342440-2	02/20/20 21:22
WG1342440-3 LCSD	WG1342440-3	02/20/20 21:29
WG1342660-3 CCAL	WG1342660-3	02/20/20 21:36
E-195-0.5-1.0	L2007286-20	02/20/20 22:12
E-195-2.0-2.5	L2007286-21	02/20/20 22:19
E-194-0.5-1.0	L2007286-23	02/20/20 22:26
E-194-2.0-2.5	L2007286-24	02/20/20 22:33
E-194-3.0-3.5	L2007286-25	02/20/20 22:39
WG1343129-1 CCAL	WG1343129-1	02/21/20 09:43
WG1342270-1 BLANK	WG1342270-1	02/21/20 12:28
WG1342270-2 LCS	WG1342270-2	02/21/20 12:34
WG1342270-3 LCSD	WG1342270-3	02/21/20 12:41
E-188-0.5-1.0	L2007286-26	02/21/20 13:55
E-188-1.5-2.0	L2007286-27	02/21/20 14:02



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007286
Project Name : AMTRAK- EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST21 **Initial Calib. Date(s)** : 11/25/19 11/26/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1261677-1	11/25/19 18:54
1242/1268 L2	R1261677-2	11/25/19 19:06
1242/1268 L3	R1261677-3	11/25/19 19:17
1242/1268 L4	R1261677-4	11/25/19 19:29
1242/1268 L5	R1261677-6	11/25/19 19:41
1242/1268 L6	R1261677-5	11/25/19 19:53
1232/1262 L1	R1261677-8	11/25/19 20:05
1232/1262 L2	R1261677-7	11/25/19 20:17
1232/1262 L3	R1261677-14	11/25/19 20:29
1232/1262 L4	R1261677-9	11/25/19 20:40
1232/1262 L5	R1261677-10	11/25/19 20:52
1232/1262 L6	R1261677-12	11/25/19 21:04
1248 L1	R1261677-11	11/25/19 21:16
1248 L2	R1261677-17	11/25/19 21:28
1248 L3	R1261677-19	11/25/19 21:40
1248 L4	R1261677-21	11/25/19 21:52
1248 L5	R1261677-20	11/25/19 22:03
1248 L6	R1261677-13	11/25/19 22:15
1221/1254 L1	R1261677-15	11/25/19 22:27
1221/1254 L2	R1261677-16	11/25/19 22:39
1221/1254 L3	R1261677-18	11/25/19 22:51
1221/1254 L4	R1261677-23	11/25/19 23:03
1221/1254 L5	R1261677-22	11/25/19 23:15
1221/1254 L6	R1261677-25	11/25/19 23:26
1016/1260 L1	R1261677-26	11/25/19 23:38
1016/1260 L2	R1261677-24	11/25/19 23:50
1016/1260 L3	R1261677-29	11/26/19 00:02
1016/1260 L4	R1261677-27	11/26/19 00:14
1016/1260 L5	R1261677-28	11/26/19 00:26
1016/1260 L6	R1261677-30	11/26/19 00:38
R1261677-31 ICV	R1261677-31	11/26/19 00:49
R1261677-32 ICV	R1261677-32	11/26/19 01:01
R1261677-34 ICV	R1261677-34	11/26/19 01:13
R1261677-33 ICV	R1261677-33	11/26/19 01:25
R1261677-35 ICV	R1261677-35	11/26/19 01:37
WG1344944-1 CCAL	WG1344944-1	02/27/20 08:25
WG1344813-1 BLANK	WG1344813-1	02/27/20 13:16
WG1344813-2 LCS	WG1344813-2	02/27/20 13:28
WG1344813-3 LCSD	WG1344813-3	02/27/20 13:39
WG1344944-2 CCAL	WG1344944-2	02/27/20 15:27
E-146-3.0-3.5	L2007286-09 D	02/27/20 18:31
E-146-3.0-3.5 MS	WG1344813-4 D	02/27/20 18:43



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007286
Project Name : AMTRAK- EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST21 **Initial Calib. Date(s)** : 11/25/19 11/26/19

Client ID	Lab ID	Date/Time Analyzed
E-146-3.0-3.5 DUP	WG1344813-5 D	02/27/20 18:55
E-204-3.0-3.5	L2007286-03 D	02/27/20 19:07
E-204-4.0-4.5	L2007286-04 D	02/27/20 19:19
E-146-4.0-4.5	L2007286-10 D	02/27/20 19:31



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007286
Project Name : AMTRAK- EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1258780-12	11/20/19 11:11
1242/1268 L2	R1258780-13	11/20/19 11:18
1242/1268 L3	R1258780-14	11/20/19 11:25
1242/1268 L4	R1258780-15	11/20/19 11:32
1242/1268 L5	R1258780-16	11/20/19 11:39
1242/1268 L6	R1258780-17	11/20/19 11:46
1232/1262 L1	R1258780-18	11/20/19 11:53
1232/1262 L2	R1258780-21	11/20/19 12:00
1232/1262 L3	R1258780-19	11/20/19 12:07
1232/1262 L4	R1258780-20	11/20/19 12:13
1232/1262 L5	R1258780-22	11/20/19 12:20
1232/1262 L6	R1258780-23	11/20/19 12:27
1221/1254 L1	R1258780-24	11/20/19 12:34
1221/1254 L2	R1258780-25	11/20/19 12:41
1221/1254 L3	R1258780-28	11/20/19 12:48
1221/1254 L4	R1258780-27	11/20/19 12:55
1221/1254 L5	R1258780-26	11/20/19 13:02
1221/1254 L6	R1258780-30	11/20/19 13:08
1016/1260 L1	R1258780-29	11/20/19 13:15
1016/1260 L2	R1258780-31	11/20/19 13:22
1016/1260 L3	R1258780-33	11/20/19 13:29
1016/1260 L4	R1258780-32	11/20/19 13:36
1016/1260 L5	R1258780-34	11/20/19 13:43
1016/1260 L6	R1258780-35	11/20/19 13:50
1248 L1	R1258780-1	11/20/19 13:57
1248 L2	R1258780-2	11/20/19 14:04
1248 L3	R1258780-3	11/20/19 14:11
1248 L4	R1258780-4	11/20/19 14:17
1248 L5	R1258780-5	11/20/19 14:24
1248 L6	R1258780-8	11/20/19 14:31
R1258780-7 ICV	R1258780-7	11/20/19 14:38
R1258780-6 ICV	R1258780-6	11/20/19 14:45
R1258780-10 ICV	R1258780-10	11/20/19 14:52
R1258780-9 ICV	R1258780-9	11/20/19 14:59
R1258780-11 ICV	R1258780-11	11/22/19 16:02
WG1343090-3 CCAL	WG1343090-3	02/21/20 17:56
E-138-0.5-1.0	L2007286-05 D	02/21/20 19:53
E-146-0.5-1.0	L2007286-07 D	02/21/20 20:00
E-204-0.5-1.0	L2007286-01 D	02/21/20 20:07
E-204-2.0-2.5	L2007286-02 D	02/21/20 20:15
E-146-2.0-2.5	L2007286-08 D	02/21/20 20:22
E-148-0.5-1.0	L2007286-11 D	02/21/20 20:29



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007286
Project Name : AMTRAK- EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
E-138-2.0-2.5	L2007286-06 D	02/21/20 20:36
E-193-0.5-1.0	L2007286-17 D	02/21/20 20:42
E-193-2.0-2.5	L2007286-18 D	02/21/20 20:49
X-8-02182020	L2007286-28 D	02/21/20 20:56



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2007286
 Project Name : AMTRAK- EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1342194-1 CCAL	WG1342194-1	02/19/20 07:38
WG1341993-1 BLANK	WG1341993-1	02/19/20 12:01
WG1341993-2 LCS	WG1341993-2	02/19/20 12:14
WG1341993-3 LCSD	WG1341993-3	02/19/20 12:28
WG1342673-5 CCAL	WG1342673-5	02/20/20 23:26
EB-8-02182020	L2007286-29	02/21/20 02:25



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK- EAST BARRACKS

Lab Number: L2007286
 Project Number: 277710568.0008.06
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-8-02182020 (L2007286-29)	70	71	72	84			0
WG1341993-1BLANK	58	58	54	67			0
WG1341993-2LCS	63	61	59	71			0
WG1341993-3LCSD	53	52	51	62			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK- EAST BARRACKS

Lab Number: L2007286
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-204-0.5-1.0 (L2007286-01D)	0*	0*	0*	0*			4
E-204-2.0-2.5 (L2007286-02D)	0*	0*	0*	0*			4
E-204-3.0-3.5 (L2007286-03D)	0*	0*	0*	0*			4
E-204-4.0-4.5 (L2007286-04D)	0*	0*	0*	0*			4
E-138-0.5-1.0 (L2007286-05D)	0*	0*	0*	0*			4
E-138-2.0-2.5 (L2007286-06D)	82	79	78	70			0
E-146-0.5-1.0 (L2007286-07D)	0*	0*	0*	0*			4
E-146-2.0-2.5 (L2007286-08D)	0*	0*	0*	0*			4
E-146-3.0-3.5 (L2007286-09D)	45	47	43	41			0
E-146-4.0-4.5 (L2007286-10D)	0*	0*	0*	0*			4
E-148-0.5-1.0 (L2007286-11D)	0*	0*	0*	0*			4
E-148-2.0-2.5 (L2007286-12)	74	82	92	71			0
E-190-1.5-2.0 (L2007286-14)	67	72	87	68			0
E-191-1.5-2.0 (L2007286-15)	58	64	67	55			0
E-192-1.5-2.0 (L2007286-16)	71	77	112	86			0
E-193-0.5-1.0 (L2007286-17D)	85	80	81	78			0
E-193-2.0-2.5 (L2007286-18D)	80	79	70	76			0
E-193-3.0-3.5 (L2007286-19)	66	71	75	61			0
E-195-0.5-1.0 (L2007286-20)	68	73	89	71			0
E-195-2.0-2.5 (L2007286-21)	68	76	86	71			0
E-195-3.0-3.5 (L2007286-22)	68	74	70	55			0
E-194-0.5-1.0 (L2007286-23)	52	56	67	53			0
E-194-2.0-2.5 (L2007286-24)	73	82	91	75			0
E-194-3.0-3.5 (L2007286-25)	75	83	95	76			0
E-188-0.5-1.0 (L2007286-26)	65	69	66	52			0
E-188-1.5-2.0 (L2007286-27)	63	67	68	51			0
X-8-02182020 (L2007286-28D)	0*	0*	0*	0*			4
WG1342270-1BLANK	83	87	113	89			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK- EAST BARRACKS

Lab Number: L2007286
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
WG1342270-2LCS	78	81	102	79			0
WG1342270-3LCSD	77	81	98	77			0
WG1342440-1BLANK	66	72	86	63			0
WG1342440-2LCS	75	80	95	73			0
WG1342440-3LCSD	76	82	98	75			0
E-195-3.0-3.5MS	76	83	95	73			0
E-195-3.0-3.5DUP	74	82	97	74			0
WG1344813-1BLANK	72	73	63	63			0
WG1344813-2LCS	66	65	60	60			0
WG1344813-3LCSD	83	82	73	74			0
E-146-3.0-3.5MS	49	48	44	43			0
E-146-3.0-3.5DUP	52	54	45	45			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Lab Duplicate Sample Summary

Form 3

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007286
Project Name	: AMTRAK- EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-195-3.0-3.5	Matrix	: SOIL
Lab Sample ID	: L2007286-22	Analysis Date	: 02/20/20 20:55
Lab File ID	: 23200220a-37	DUP File ID	: 23200220a-39
Dup Sample ID	: WG1342440-5	DUP Analysis Date	: 02/20/20 21:09

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1016	ND	ND	NC	30
Aroclor 1221	ND	ND	NC	30
Aroclor 1232	ND	ND	NC	30
Aroclor 1242	ND	ND	NC	30
Aroclor 1248	ND	ND	NC	30
Aroclor 1254	ND	ND	NC	30
Aroclor 1262	ND	ND	NC	30
Aroclor 1268	ND	ND	NC	30



Lab Duplicate Sample Summary
Form 3
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007286
Project Name	: AMTRAK- EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-195-3.0-3.5	Matrix	: SOIL
Lab Sample ID	: L2007286-22	Analysis Date	: 02/20/20 20:55
Lab File ID	: 23200220a-37	DUP File ID	: 23200220a-39
Dup Sample ID	: WG1342440-5	DUP Analysis Date	: 02/20/20 21:09

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1260	ND	ND	NC	30
PCBs, Total	ND	ND	NC	30



Lab Duplicate Sample Summary
Form 3
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007286
Project Name	: AMTRAK- EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-146-3.0-3.5	Matrix	: SOIL
Lab Sample ID	: L2007286-09	Analysis Date	: 02/27/20 18:31
Lab File ID	: 21200227a-30	DUP File ID	: 21200227a-32
Dup Sample ID	: WG1344813-5	DUP Analysis Date	: 02/27/20 18:55

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1254	0.460	0.411	11	30
PCBs, Total	0.856	0.796	7	30



**Lab Duplicate Sample Summary
Form 3
PCBs**

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007286
Project Name	: AMTRAK- EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-146-3.0-3.5	Matrix	: SOIL
Lab Sample ID	: L2007286-09	Analysis Date	: 02/27/20 18:31
Lab File ID	: 21200227a-30	DUP File ID	: 21200227a-32
Dup Sample ID	: WG1344813-5	DUP Analysis Date	: 02/27/20 18:55

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1016	ND	ND	NC	30
Aroclor 1221	ND	ND	NC	30
Aroclor 1232	ND	ND	NC	30
Aroclor 1242	ND	ND	NC	30
Aroclor 1248	ND	ND	NC	30
Aroclor 1260	0.396	0.385	3	30
Aroclor 1262	ND	ND	NC	30
Aroclor 1268	ND	ND	NC	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007286
 Project Name : AMTRAK- EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : WATER
 LCS Sample ID : WG1341993-2 Analysis Date : 02/19/20 12:14 File ID : P2200219a-17
 LCSD Sample ID : WG1341993-3 Analysis Date : 02/19/20 12:28 File ID : P2200219a-18

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	1.12	63	1.78	0.961	54	15	40-140	20
Aroclor 1260	1.78	0.942	53	1.78	0.841	47	11	40-140	20



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007286
 Project Name : AMTRAK- EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1342270-2 Analysis Date : 02/21/20 12:34 File ID : 23200221a-08
 LCSD Sample ID : WG1342270-3 Analysis Date : 02/21/20 12:41 File ID : 23200221a-09

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.203	0.176	87	0.206	0.174	84	4	40-140	30
Aroclor 1260	0.203	0.168	83	0.206	0.166	80	4	40-140	30



**Laboratory Control Sample Summary
Form 3
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2007286
 Project Name : AMTRAK- EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1342440-2 Analysis Date : 02/20/20 21:22 File ID : 23200220a-41
 LCSD Sample ID : WG1342440-3 Analysis Date : 02/20/20 21:29 File ID : 23200220a-42

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.198	0.175	88	0.207	0.185	89	1	40-140	30
Aroclor 1260	0.198	0.168	85	0.207	0.178	86	1	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007286
 Project Name : AMTRAK- EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1344813-2 Analysis Date : 02/27/20 13:28 File ID : 21200227a-13
 LCSD Sample ID : WG1344813-3 Analysis Date : 02/27/20 13:39 File ID : 21200227a-14

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.205	0.182	89	0.203	0.214	106	17	40-140	30
Aroclor 1260	0.205	0.173	84	0.203	0.206	102	19	40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Client Sample ID : E-195-3.0-3.5	Matrix : SOIL
Lab Sample ID : L2007286-22	Analysis Date : 02/20/20 20:55
Matrix Spike : WG1342440-4	MS Analysis Date : 02/20/20 21:02
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1016	ND	0.234	0.206	88					40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Client Sample ID : E-195-3.0-3.5	Matrix : SOIL
Lab Sample ID : L2007286-22	Analysis Date : 02/20/20 20:55
Matrix Spike : WG1342440-4	MS Analysis Date : 02/20/20 21:02
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1260	ND	0.234	0.193	82					40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Client Sample ID : E-146-3.0-3.5	Matrix : SOIL
Lab Sample ID : L2007286-09	Analysis Date : 02/27/20 18:31
Matrix Spike : WG1344813-4	MS Analysis Date : 02/27/20 18:43
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1016	ND	0.256	0.197J	77					40-140	30
Aroclor 1260	0.396	0.256	0.488	36 Q					40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-01D	
Client ID : E-204-0.5-1.0	
Date Analyzed (1) : 02/21/20 20:07	Date Analyzed (2) : 02/21/20 20:07
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	9.28			
	2	2.72	2.66	2.76	9.75			
	COLUMN 1	3	3.06	3.01	3.11	9.82		
		4	3.23	3.18	3.28	9.45		
		5	3.39	3.33	3.43	9.68	9.6	
COLUMN 2	1	2.96	2.90	3.00	9.53			
	2	3.07	3.02	3.12	9.32			
	3	3.49	3.43	3.53	8.44			
	4	3.63	3.58	3.68	9.15			
	5	3.84	3.79	3.89	9.28	9.14	5	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-02D	
Client ID : E-204-2.0-2.5	
Date Analyzed (1) : 02/21/20 20:15	Date Analyzed (2) : 02/21/20 20:15
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.58	2.52	2.62	10.8			
	2	2.72	2.66	2.76	11.9			
	COLUMN 1	3	3.07	3.01	3.11	12.3		
		4	3.24	3.18	3.28	11.8		
		5	3.39	3.33	3.43	12.4	11.9	
COLUMN 2	1	2.96	2.90	3.00	10.5			
	2	3.07	3.02	3.12	11.3			
	3	3.49	3.43	3.53	9.82			
	4	3.63	3.58	3.68	11.5			
	5	3.84	3.79	3.89	11.	10.8	10	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-03D	
Client ID : E-204-3.0-3.5	
Date Analyzed (1) : 02/27/20 19:07	Date Analyzed (2) : 02/27/20 19:07
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	4.79	4.74	4.84	8.03			
	2	4.99	4.94	5.04	8.4			
	COLUMN 1	3	5.45	5.40	5.50	8.19		
		4	5.67	5.62	5.72	8.28		
		5	5.87	5.81	5.91	8.38	8.26	
COLUMN 2	1	5.37	5.31	5.41	7.98			
	2	5.51	5.46	5.56	7.9			
	3	6.03	5.98	6.08	8.17			
	4	6.19	6.14	6.24	7.88			
	5	6.44	6.39	6.49	7.84	7.95	4	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-04D	
Client ID : E-204-4.0-4.5	
Date Analyzed (1) : 02/27/20 19:19	Date Analyzed (2) : 02/27/20 19:19
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	4.79	4.74	4.84	2.34			
	2	4.99	4.94	5.04	2.48			
	COLUMN 1	3	5.46	5.40	5.50	2.4		
		4	5.67	5.62	5.72	2.52		
		5	5.87	5.81	5.91	2.56	2.46	
COLUMN 2	1	5.36	5.31	5.41	2.34			
	2	5.51	5.46	5.56	2.33			
	3	6.03	5.98	6.08	2.41			
	4	6.19	6.14	6.24	2.46			
	5	6.44	6.39	6.49	2.42	2.39	3	



Identification Summary
Form 10
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007286
 Project Name : AMTRAK- EAST BARRACKS Project Number : 277710568.0008.06
 Lab Sample ID : L2007286-05D
 Client ID : E-138-0.5-1.0
 Date Analyzed (1) : 02/21/20 19:53 Date Analyzed (2) : 02/21/20 19:53
 Instrument ID (1) : PEST19 Instrument ID (2) : PEST19
 GC Column (1) : CLP-Pesticide GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.59	2.52	2.62	52.1			
	2	2.74	2.66	2.76	64.2			
	COLUMN 1	3	3.08	3.01	3.11	61.5		
		4	3.25	3.18	3.28	69.1		
		5	3.41	3.33	3.43	70.6	63.5	
COLUMN 2	1	2.96	2.90	3.00	50			
	2	3.08	3.02	3.12	61.4			
	3	3.50	3.43	3.53	53.			
	4	3.64	3.58	3.68	63.4			
	5	3.85	3.79	3.89	67.7	59.1	7	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-06D	
Client ID : E-138-2.0-2.5	
Date Analyzed (1) : 02/21/20 20:36	Date Analyzed (2) : 02/21/20 20:36
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.915		
	2	2.71	2.66	2.76	1.07		
COLUMN 1	3	3.06	3.01	3.11	0.98		
	4	3.23	3.18	3.28	1.09		
	5	3.39	3.33	3.43	1.23	1.06	
COLUMN 2	1	2.95	2.90	3.00	0.872		
	2	3.07	3.02	3.12	1.03		
	3	3.48	3.43	3.53	0.855		
	4	3.63	3.58	3.68	1.05		
	5	3.84	3.79	3.89	1.06	0.974	8



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-07D	
Client ID : E-146-0.5-1.0	
Date Analyzed (1) : 02/21/20 20:00	Date Analyzed (2) : 02/21/20 20:00
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		
			From	To		Concentration	%RPD	
AROCOR 1254	1	2.15	-0.05	0.05	36.			
	2	2.28	-0.05	0.05	66.			
	COLUMN 1	3	2.48	-0.05	0.05	95.4		
		4	2.63	-0.05	0.05	167.		
		5	0.00	-0.05	0.05	0.	91.2	
COLUMN 2	1	2.50	-0.05	0.05	66.3			
	2	2.60	-0.05	0.05	72.1			
	3	2.85	-0.05	0.05	90.6			
	4	2.98	-0.05	0.05	165.			
	5	0.00	-0.05	0.05	0.	98.4	8	
AROCOR 1260	1	0.00	2.52	2.62	0.			
	2	0.00	2.66	2.76	0.			
	COLUMN 1	3	3.07	3.01	3.11	61.9		
		4	3.24	3.18	3.28	74.		
		5	3.39	3.33	3.43	76.9	70.9	
COLUMN 2	1	0.00	2.90	3.00	0.			
	2	0.00	3.02	3.12	0.			
	3	3.49	3.43	3.53	53.1			
	4	3.63	3.58	3.68	66.1			
	5	3.84	3.79	3.89	67.2	62.1	13	



Identification Summary
Form 10
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007286
 Project Name : AMTRAK- EAST BARRACKS Project Number : 277710568.0008.06
 Lab Sample ID : L2007286-08D
 Client ID : E-146-2.0-2.5
 Date Analyzed (1) : 02/21/20 20:22 Date Analyzed (2) : 02/21/20 20:22
 Instrument ID (1) : PEST19 Instrument ID (2) : PEST19
 GC Column (1) : CLP-Pesticide GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		
			From	To		Concentration	%RPD	
AROCOR 1254	1	2.15	-0.05	0.05	7.57			
	2	2.28	-0.05	0.05	13.6			
	COLUMN 1	3	2.48	-0.05	0.05	19.5		
		4	2.62	-0.05	0.05	33.9		
		5	0.00	-0.05	0.05	0.	18.6	
COLUMN 2	1	2.50	-0.05	0.05	14.3			
	2	2.60	-0.05	0.05	15.4			
	3	2.85	-0.05	0.05	19.3			
	4	2.97	-0.05	0.05	35.			
	5	0.00	-0.05	0.05	0.	21.	12	
AROCOR 1260	1	0.00	2.52	2.62	0.			
	2	0.00	2.66	2.76	0.			
COLUMN 1	3	3.06	3.01	3.11	12.8			
	4	3.23	3.18	3.28	14.6			
	5	3.39	3.33	3.43	14.9	14.1		
COLUMN 2	1	0.00	2.90	3.00	0.			
	2	0.00	3.02	3.12	0.			
	3	3.49	3.43	3.53	10.5			
	4	3.63	3.58	3.68	13.5			
	5	3.84	3.79	3.89	13.1	12.4	13	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-09D	
Client ID : E-146-3.0-3.5	
Date Analyzed (1) : 02/27/20 18:31	Date Analyzed (2) : 02/27/20 18:31
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1254	1	4.16	-0.05	0.05	0.217			
	2	4.36	-0.05	0.05	0.476			
	COLUMN 1	3	4.67	-0.05	0.05	0.494		
		4	0.00	-0.05	0.05	0.		
		5	0.00	-0.05	0.05	0.	0.396	
COLUMN 2	1	4.74	-0.05	0.05	0.419			
	2	4.88	-0.05	0.05	0.434			
	3	5.23	-0.05	0.05	0.526			
	4	0.00	-0.05	0.05	0.			
	5	0.00	-0.05	0.05	0.	0.46	15	
AROCOR 1260	1	0.00	4.74	4.84	0.			
	2	0.00	4.94	5.04	0.			
	COLUMN 1	3	5.48	5.40	5.50	0.368		
		4	5.69	5.62	5.72	0.396		
		5	5.89	5.81	5.91	0.426	0.396	
COLUMN 2	1	0.00	5.31	5.41	0.			
	2	0.00	5.46	5.56	0.			
	3	6.05	5.98	6.08	0.35			
	4	6.21	6.14	6.24	0.391			
	5	6.47	6.39	6.49	0.408	0.383	3	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-10D	
Client ID : E-146-4.0-4.5	
Date Analyzed (1) : 02/27/20 19:31	Date Analyzed (2) : 02/27/20 19:31
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1254	1	4.14	-0.05	0.05	0.668			
	2	4.34	-0.05	0.05	1.43			
	COLUMN 1	3	4.65	-0.05	0.05	1.47		
		4	0.00	-0.05	0.05	0.		
		5	0.00	-0.05	0.05	0.	1.19	
COLUMN 2	1	4.73	-0.05	0.05	1.14			
	2	4.87	-0.05	0.05	1.27			
	3	5.22	-0.05	0.05	1.54			
	4	0.00	-0.05	0.05	0.			
	5	0.00	-0.05	0.05	0.	1.32	10	
AROCOR 1260	1	0.00	4.74	4.84	0.			
	2	0.00	4.94	5.04	0.			
	COLUMN 1	3	5.46	5.40	5.50	0.982		
		4	5.67	5.62	5.72	1.12		
		5	5.87	5.81	5.91	1.24	1.11	
COLUMN 2	1	0.00	5.31	5.41	0.			
	2	0.00	5.46	5.56	0.			
	3	6.03	5.98	6.08	0.95			
	4	6.19	6.14	6.24	1.14			
	5	6.44	6.39	6.49	1.15	1.08	3	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-11D	
Client ID : E-148-0.5-1.0	
Date Analyzed (1) : 02/21/20 20:29	Date Analyzed (2) : 02/21/20 20:29
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	5.71			
	2	2.71	2.66	2.76	7.41			
	COLUMN 1	3	3.06	3.01	3.11	7.07		
		4	3.23	3.18	3.28	8.38		
		5	3.39	3.33	3.43	8.88	7.49	
COLUMN 2	1	2.95	2.90	3.00	5.47			
	2	3.07	3.02	3.12	7.12			
	3	3.49	3.43	3.53	6.23			
	4	3.63	3.58	3.68	7.41			
	5	3.84	3.79	3.89	7.66	6.78	10	



Identification Summary
Form 10
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007286
 Project Name : AMTRAK- EAST BARRACKS Project Number : 277710568.0008.06
 Lab Sample ID : L2007286-12
 Client ID : E-148-2.0-2.5
 Date Analyzed (1) : 02/20/20 20:08 Date Analyzed (2) : 02/20/20 20:08
 Instrument ID (1) : PEST23 Instrument ID (2) : PEST23
 GC Column (1) : CLP-Pesticide GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean	
			From	To		Concentration	%RPD
AROCOR 1260	1	2.27	2.25	2.35	0.0413		
	2	2.39	2.37	2.47	0.063		
COLUMN 1	3	2.68	2.66	2.76	0.0628		
	4	2.83	2.81	2.91	0.0776		
	5	2.96	2.95	3.05	0.0814	0.0652	
COLUMN 2	1	2.72	2.69	2.79	0.0428		
	2	2.82	2.79	2.89	0.0675		
	3	3.19	3.16	3.26	0.0546		
	4	3.32	3.29	3.39	0.0748		
	5	3.52	3.49	3.59	0.0752	0.063	3



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007286
Project Name	: AMTRAK- EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2007286-14		
Client ID	: E-190-1.5-2.0		
Date Analyzed (1)	: 02/20/20 20:15	Date Analyzed (2)	: 02/20/20 20:15
Instrument ID (1)	: PEST23	Instrument ID (2)	: PEST23
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.25	2.35	0.389		
	2	2.39	2.37	2.47	0.453		
COLUMN 1	3	2.68	2.66	2.76	0.458		
	4	2.83	2.81	2.91	0.582		
	5	2.96	2.95	3.05	0.675	0.511	
COLUMN 2	1	2.72	2.69	2.79	0.382		
	2	2.82	2.79	2.89	0.47		
	3	3.19	3.16	3.26	0.489		
	4	3.32	3.29	3.39	0.581		
	5	3.52	3.49	3.59	0.63	0.51	0



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-15	
Client ID : E-191-1.5-2.0	
Date Analyzed (1) : 02/20/20 20:21	Date Analyzed (2) : 02/20/20 20:21
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.25	2.35	0.0394		
	2	2.39	2.37	2.47	0.0364		
COLUMN 1	3	2.68	2.66	2.76	0.0527		
	4	2.83	2.81	2.91	0.0493		
	5	2.97	2.95	3.05	0.0573	0.047	
COLUMN 2	1	2.72	2.69	2.79	0.0436		
	2	2.82	2.79	2.89	0.045		
	3	3.19	3.16	3.26	0.0425		
	4	3.32	3.29	3.39	0.0555		
	5	3.52	3.49	3.59	0.0531	0.0479	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-16	
Client ID : E-192-1.5-2.0	
Date Analyzed (1) : 02/20/20 20:28	Date Analyzed (2) : 02/20/20 20:28
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.25	2.35	0.102		
	2	2.39	2.37	2.47	0.15		
COLUMN 1	3	2.68	2.66	2.76	0.112		
	4	2.83	2.81	2.91	0.126		
	5	2.96	2.95	3.05	0.149	0.128	
COLUMN 2	1	2.72	2.69	2.79	0.0922		
	2	2.82	2.79	2.89	0.162		
	3	3.19	3.16	3.26	0.0967		
	4	3.32	3.29	3.39	0.127		
	5	3.52	3.49	3.59	0.136	0.123	4



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-17D	
Client ID : E-193-0.5-1.0	
Date Analyzed (1) : 02/21/20 20:42	Date Analyzed (2) : 02/21/20 20:42
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD	
			From	To		Concentration	Concentration		
AROCOR 1254	1	2.15	-0.05	0.05	0.39				
	2	2.27	-0.05	0.05	0.465				
	COLUMN 1	3	2.48	-0.05	0.05	0.408			
		4	2.62	-0.05	0.05	0.456			
		5	0.00	-0.05	0.05	0.	0.43		
COLUMN 2	1	2.50	-0.05	0.05	0.574				
	2	2.60	-0.05	0.05	0.589				
	3	2.87	-0.05	0.05	0.584				
	4	2.97	-0.05	0.05	0.355				
	5	0.00	-0.05	0.05	0.	0.525	20		
AROCOR 1260	1	0.00	2.52	2.62	0.				
	2	0.00	2.66	2.76	0.				
	COLUMN 1	3	3.06	3.01	3.11	1.94			
		4	3.23	3.18	3.28	1.96			
		5	3.39	3.33	3.43	2.06	1.99		
COLUMN 2	1	0.00	2.90	3.00	0.				
	2	0.00	3.02	3.12	0.				
	3	3.48	3.43	3.53	1.6				
	4	3.63	3.58	3.68	1.89				
	5	3.84	3.79	3.89	1.91	1.8	10		



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-18D	
Client ID : E-193-2.0-2.5	
Date Analyzed (1) : 02/21/20 20:49	Date Analyzed (2) : 02/21/20 20:49
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		
			From	To		Concentration	%RPD	
AROCOR 1254	1	2.15	-0.05	0.05	0.341			
	2	2.27	-0.05	0.05	0.462			
	COLUMN 1	3	2.48	-0.05	0.05	0.415		
		4	2.62	-0.05	0.05	0.458		
		5	0.00	-0.05	0.05	0.	0.419	
COLUMN 2	1	2.50	-0.05	0.05	0.684			
	2	2.60	-0.05	0.05	0.626			
	3	2.87	-0.05	0.05	0.483			
	4	2.97	-0.05	0.05	0.439			
	5	0.00	-0.05	0.05	0.	0.558	28	
AROCOR 1260	1	0.00	2.52	2.62	0.			
	2	0.00	2.66	2.76	0.			
	COLUMN 1	3	3.06	3.01	3.11	1.61		
		4	3.23	3.18	3.28	1.65		
		5	3.38	3.33	3.43	1.7	1.66	
COLUMN 2	1	0.00	2.90	3.00	0.			
	2	0.00	3.02	3.12	0.			
	3	3.49	3.43	3.53	1.35			
	4	3.63	3.58	3.68	1.57			
	5	3.84	3.79	3.89	1.61	1.51	10	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-19	
Client ID : E-193-3.0-3.5	
Date Analyzed (1) : 02/20/20 20:48	Date Analyzed (2) : 02/20/20 20:48
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean	%RPD
			From	To		Concentration	
AROCOR 1260	1	2.27	2.25	2.35	0.018		
	2	2.39	2.37	2.47	0.0196		
COLUMN 1	3	2.68	2.66	2.76	0.017		
	4	2.83	2.81	2.91	0.0231		
	5	2.97	2.95	3.05	0.0253	0.0206J	
COLUMN 2	1	2.72	2.69	2.79	0.0211		
	2	2.82	2.79	2.89	0.0199		
	3	3.19	3.16	3.26	0.0167		
	4	3.32	3.29	3.39	0.0269		
	5	3.52	3.49	3.59	0.0204	0.021J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-20	
Client ID : E-195-0.5-1.0	
Date Analyzed (1) : 02/20/20 22:12	Date Analyzed (2) : 02/20/20 22:12
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.30	2.22	2.32	0.101		
	2	2.42	2.34	2.44	0.201		
COLUMN 1	3	2.71	2.63	2.73	0.176		
	4	2.85	2.78	2.88	0.212		
	5	2.99	2.91	3.01	0.221	0.182	
COLUMN 2	1	2.74	2.67	2.77	0.102		
	2	2.84	2.77	2.87	0.23		
	3	3.21	3.14	3.24	0.167		
	4	3.34	3.27	3.37	0.22		
	5	3.53	3.47	3.57	0.255	0.195	7



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-23	
Client ID : E-194-0.5-1.0	
Date Analyzed (1) : 02/20/20 22:26	Date Analyzed (2) : 02/20/20 22:26
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.0765		
	2	2.39	2.34	2.44	0.116		
COLUMN 1	3	2.68	2.63	2.73	0.0827		
	4	2.83	2.78	2.88	0.0915		
	5	2.97	2.91	3.01	0.106	0.0944	
COLUMN 2	1	2.72	2.67	2.77	0.0938		
	2	2.82	2.77	2.87	0.131		
	3	3.19	3.14	3.24	0.0813		
	4	3.32	3.27	3.37	0.101		
	5	3.52	3.47	3.57	0.103	0.102	8



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007286
Project Name	: AMTRAK- EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2007286-24		
Client ID	: E-194-2.0-2.5		
Date Analyzed (1)	: 02/20/20 22:33	Date Analyzed (2)	: 02/20/20 22:33
Instrument ID (1)	: PEST23	Instrument ID (2)	: PEST23
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.00469			
	2	2.39	2.34	2.44	0.00973			
COLUMN 1	3	2.68	2.63	2.73	0.0059			
	4	2.83	2.78	2.88	0.00654			
	5	2.96	2.91	3.01	0.00597	0.00657		
COLUMN 2	1	2.72	2.67	2.77	0.0068			
	2	2.82	2.77	2.87	0.00944			
	3	3.19	3.14	3.24	0.00593			
	4	3.32	3.27	3.37	0.0119			
	5	3.52	3.47	3.57	0.00666	0.00814J		NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-26	
Client ID : E-188-0.5-1.0	
Date Analyzed (1) : 02/21/20 13:55	Date Analyzed (2) : 02/21/20 13:55
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.00821		
	2	2.39	2.34	2.44	0.0104		
COLUMN 1	3	2.68	2.63	2.73	0.00827		
	4	2.83	2.78	2.88	0.0104		
	5	2.96	2.92	3.02	0.0108	0.00962J	
COLUMN 2	1	2.72	2.67	2.77	0.00853		
	2	2.82	2.77	2.87	0.0113		
	3	3.19	3.15	3.25	0.00798		
	4	3.32	3.28	3.38	0.0105		
	5	3.52	3.47	3.57	0.00972	0.00962J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-27	
Client ID : E-188-1.5-2.0	
Date Analyzed (1) : 02/21/20 14:02	Date Analyzed (2) : 02/21/20 14:02
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.0516		
	2	2.39	2.34	2.44	0.0645		
COLUMN 1	3	2.68	2.63	2.73	0.0568		
	4	2.82	2.78	2.88	0.063		
	5	2.96	2.92	3.02	0.0692	0.061	
COLUMN 2	1	2.72	2.67	2.77	0.0518		
	2	2.82	2.77	2.87	0.065		
	3	3.19	3.15	3.25	0.0515		
	4	3.32	3.28	3.38	0.0611		
	5	3.52	3.47	3.57	0.0608	0.0581	5



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007286-28D	
Client ID : X-8-02182020	
Date Analyzed (1) : 02/21/20 20:56	Date Analyzed (2) : 02/21/20 20:56
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	2.89			
	2	2.71	2.66	2.76	4.56			
	COLUMN 1	3	3.06	3.01	3.11	5.98		
		4	3.23	3.18	3.28	8.21		
		5	3.39	3.33	3.43	8.74	6.08	
COLUMN 2	1	2.95	2.90	3.00	2.83			
	2	3.07	3.02	3.12	4.67			
	3	3.48	3.43	3.53	5.01			
	4	3.63	3.58	3.68	7.31			
	5	3.84	3.79	3.89	8.	5.56	9	



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-49.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 07:53 pm
 Operator : pest19:kb
 Sample : L2007286-05D,42e,500,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 10:58:12 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.997	1.032	26188743	41085740	250.000	250.000
Standard Area 1 : #1 = 25536689					Recovery =	102.55%
Standard Area 1 : #2 = 38140815					Recovery =	107.72%
14) i 2154_1br2nb	0.997	1.032	26188743	41085740	250.000	250.000
23) i 4268_1br2nb	0.997	1.032	26188743	41085740	250.000	250.000
34) i 1248_1br2nb	0.997	1.032	26188743	41085740	250.000	250.000
40) i 3262_1br2nb	0.997	1.032	26188743	41085740	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.592f	2.962	9150859	14081635	1325.792M4	1274.097M4
10) l2 1260-2	2.738f	3.078	16978738	20261208	1636.018M4	1562.243M4
11) l2 1260-3	3.082f	3.497	10582110	15246349	1566.902	1348.722M2
12) l2 1260-4	3.254f	3.640	24990913	38417874	1759.829	1614.987
13) l2 1260-5	3.411f	3.852	18459686	28491206	1798.965M1	1724.110
Sum 1260-1			80162306	116.5E6	8087.507	7524.159

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-49.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 07:53 pm
 Operator : pest19:kb
 Sample : L2007286-05D,42e,500,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 10:58:12 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					1617.501	1504.832
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D.	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-49.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 07:53 pm
 Operator : pest19:kb
 Sample : L2007286-05D,42e,500,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 10:58:12 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D.	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-49.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 07:53 pm
 Operator : pest19:kb
 Sample : L2007286-05D,42e,500,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 10:58:12 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

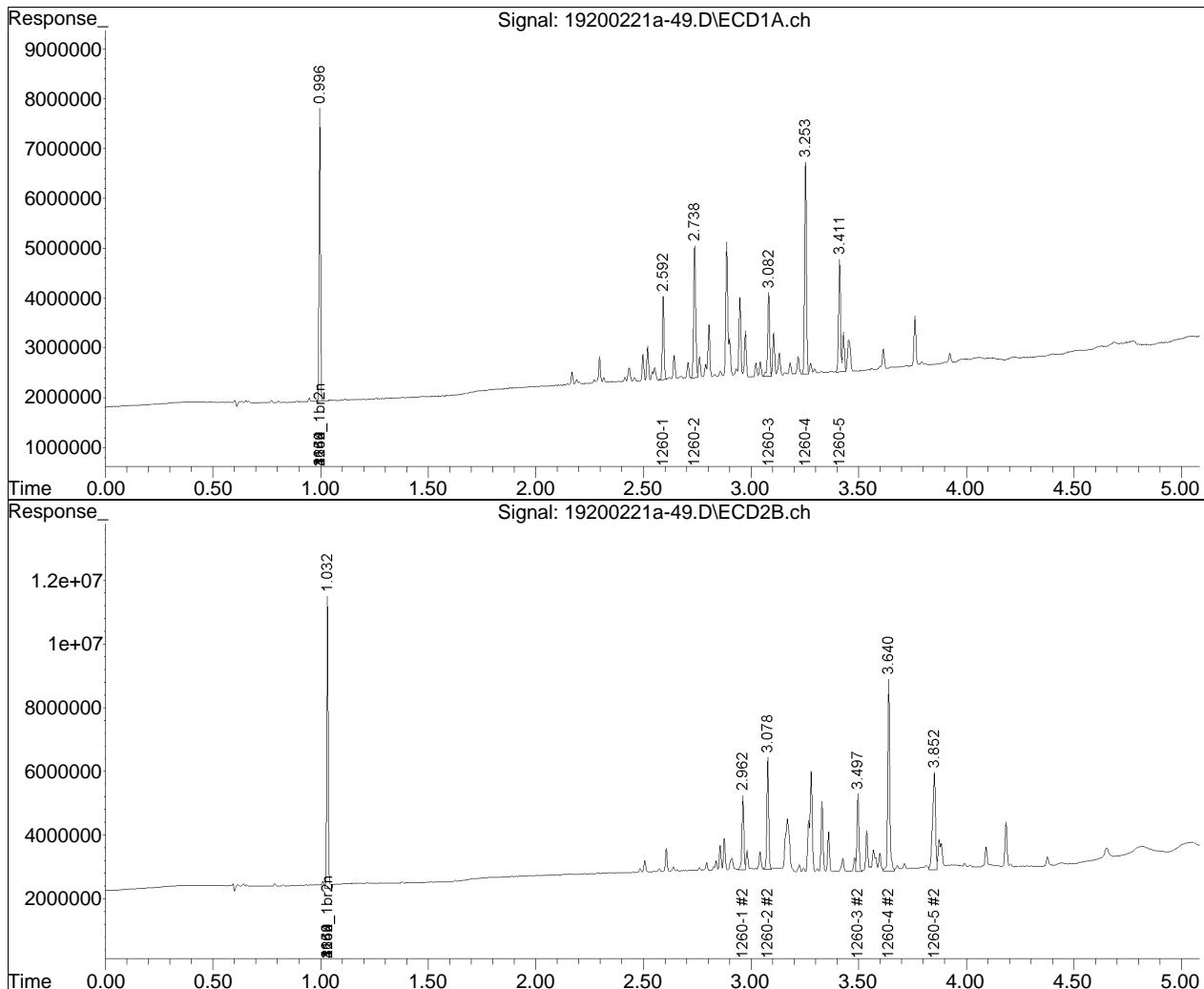
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200221a\
Data File : 19200221a-49.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 07:53 pm
Operator : pest19:kb
Sample : L2007286-05D,42e,500,
Misc : wg1343090,wg1342440,ical16321
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 24 10:58:12 2020
Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

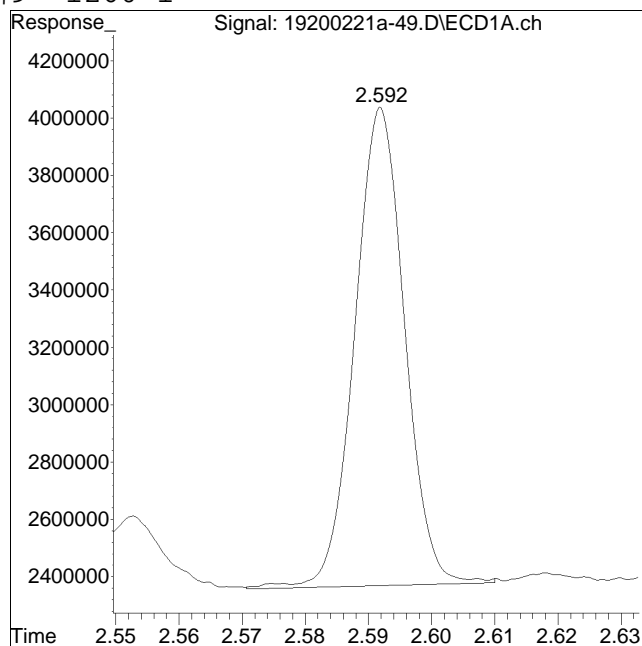
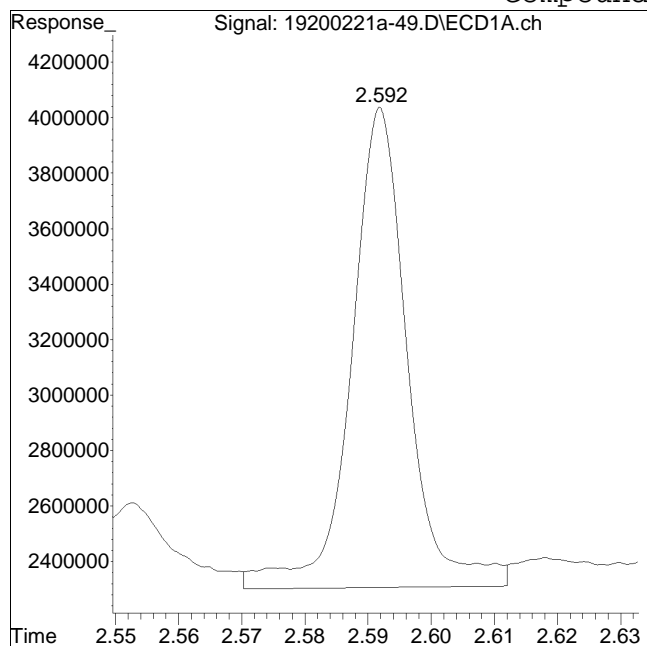


Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-49.D
Date Inj'd : 2/21/2020 7:53 pm
Sample : L2007286-05D,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 10:56 am

Compound #9: 1260-1



Original Peak Response = 10722639

Manual Peak Response = 9150859 M4

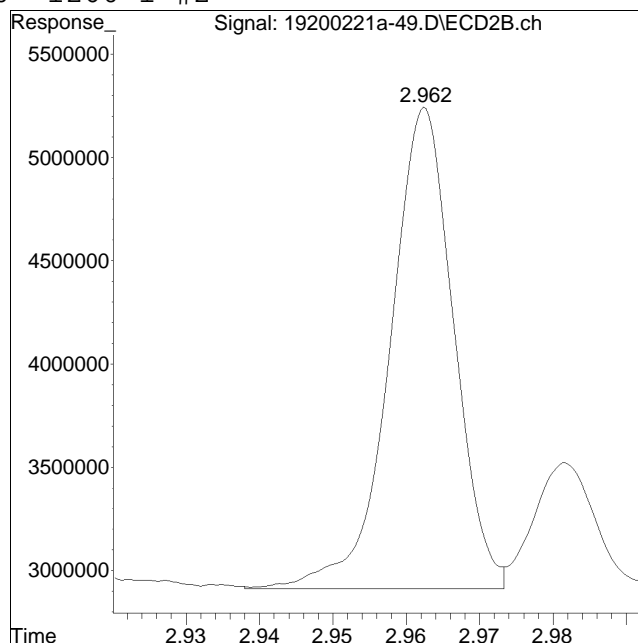
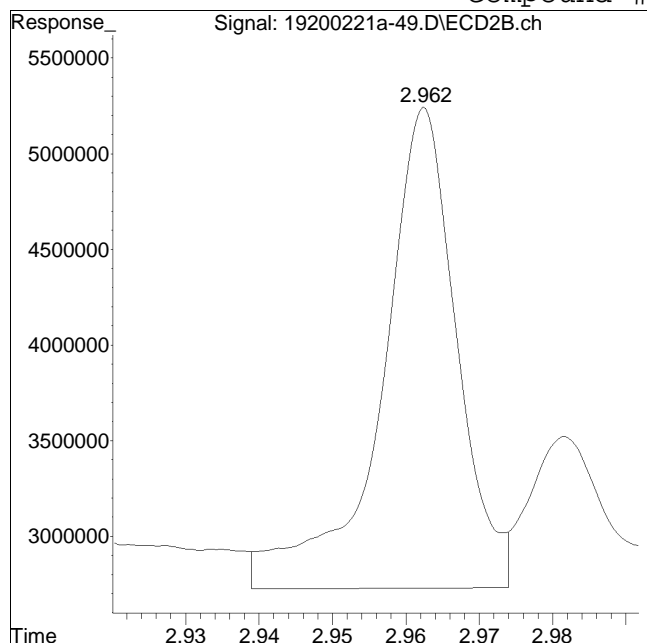
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-49.D
Date Inj'd : 2/21/2020 7:53 pm
Sample : L2007286-05D,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 10:56 am

Compound #60: 1260-1 #2



Original Peak Response = 17916866

Manual Peak Response = 14081635 M4

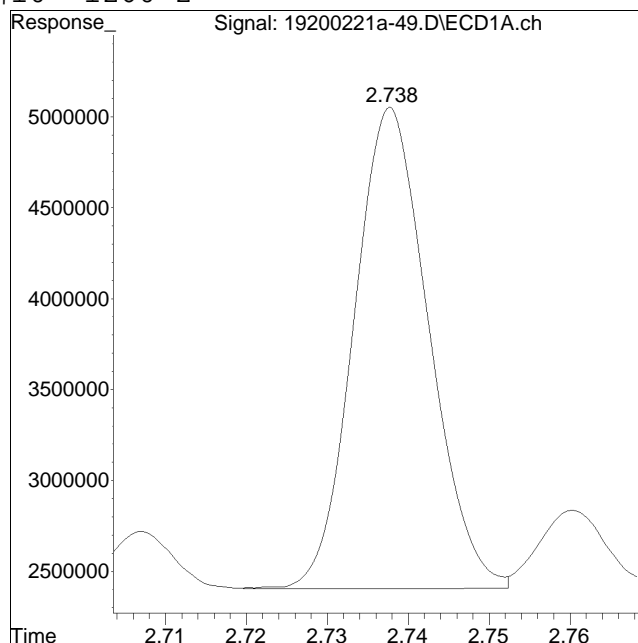
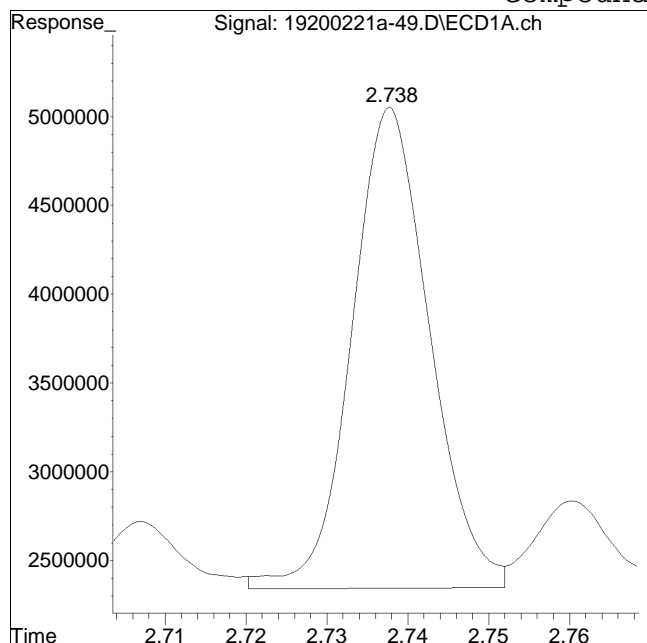
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-49.D
Date Inj'd : 2/21/2020 7:53 pm
Sample : L2007286-05D,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 10:56 am

Compound #10: 1260-2



Original Peak Response = 18115069

Manual Peak Response = 16978738 M4

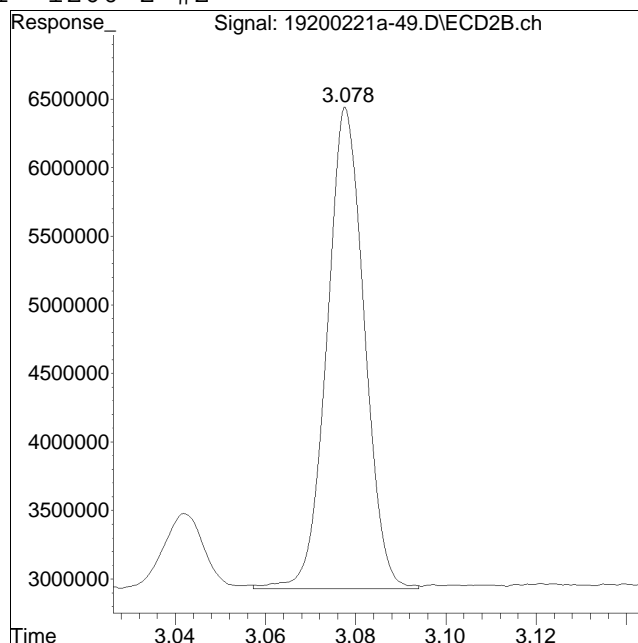
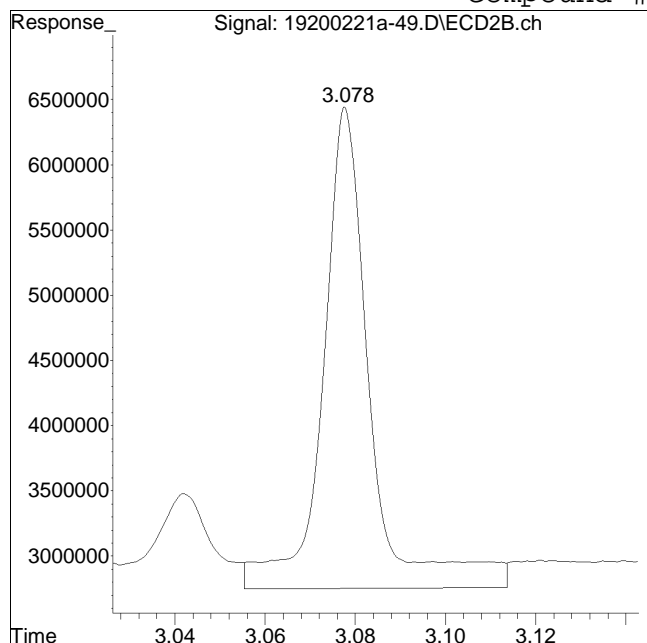
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-49.D
Date Inj'd : 2/21/2020 7:53 pm
Sample : L2007286-05D,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 10:56 am

Compound #61: 1260-2 #2



Original Peak Response = 26672416

Manual Peak Response = 20261208 M4

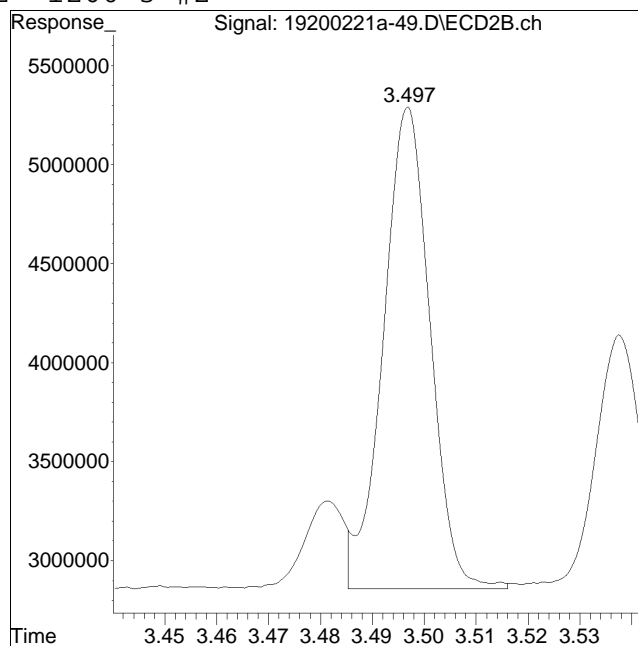
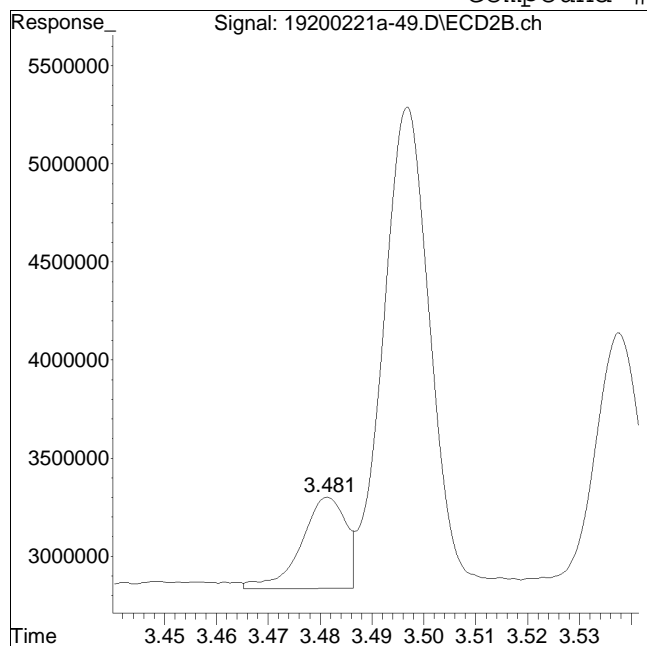
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-49.D
Date Inj'd : 2/21/2020 7:53 pm
Sample : L2007286-05D,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 10:56 am

Compound #62: 1260-3 #2



Original Peak Response = 2744248

Manual Peak Response = 15246349 M2

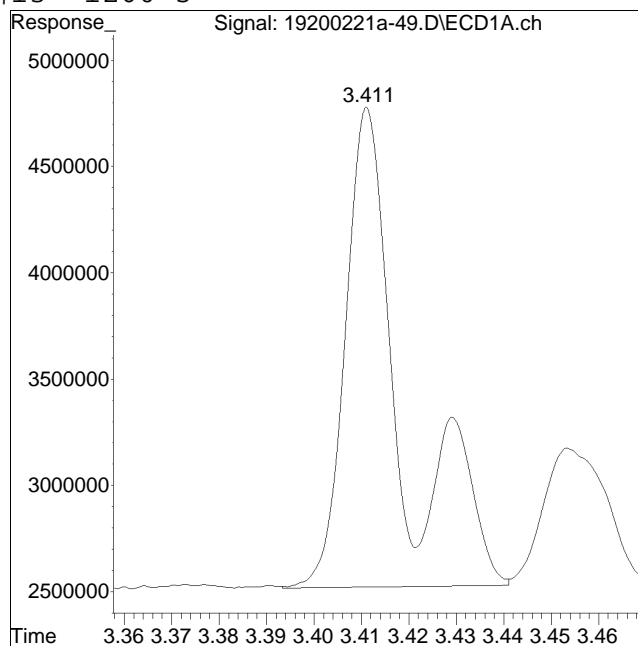
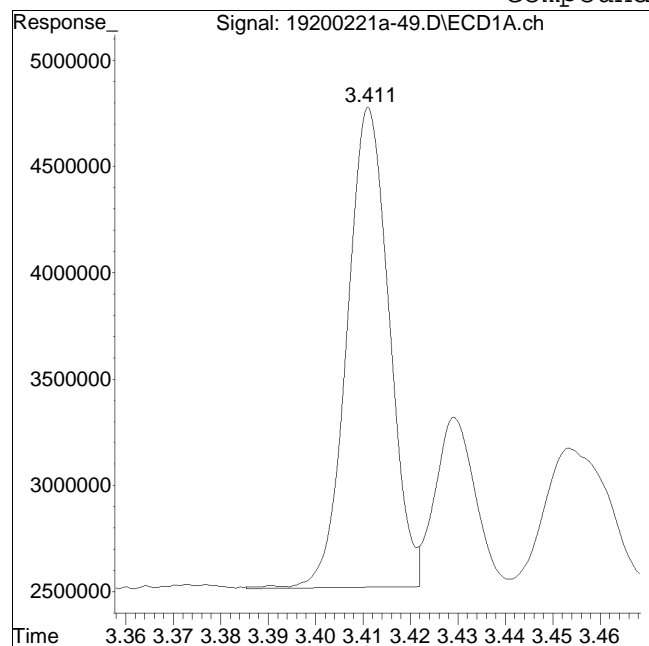
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-49.D
Date Inj'd : 2/21/2020 7:53 pm
Sample : L2007286-05D,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 10:56 am

Compound #13: 1260-5



Original Peak Response = 13891821

Manual Peak Response = 18459686 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:00 pm
 Operator : pest19:kb
 Sample : L2007286-07D,42e,500,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 10:59:39 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.992	1.033	28879900	42564259	250.000	250.000
Standard Area 1 : #1 = 25536689					Recovery =	113.09%
Standard Area 1 : #2 = 38140815					Recovery =	111.60%
14) i 2154_1br2nb	0.992	1.033	28879900	42564259	250.000	250.000
23) i 4268_1br2nb	0.992	1.033	28879900	42564259	250.000	250.000
34) i 1248_1br2nb	0.992	1.033	28879900	42564259	250.000	250.000
40) i 3262_1br2nb	0.992	1.033	28879900	42564259	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	3.065	3.489	10946494	14770563	1469.819M4	1261.245M3
12) l2 1260-4	3.235	3.631	27517948	38723489	1757.209	1571.290
13) l2 1260-5	3.393	3.843	20672827	27319665	1826.911M1	1595.789
Sum 1260-1			59137268	80813717	5053.938	4428.324
Average 1260-1					1684.646	1476.108

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:00 pm
 Operator : pest19:kb
 Sample : L2007286-07D,42e,500,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 10:59:39 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	2.154	2.505	4863300	14111423	855.660	1575.453
19) 14 1254-2	2.280	2.602	15531552	17724648	1568.990M2	1713.827
20) 14 1254-3	2.482	2.851	21951169	30524823	2266.875M2	2151.451M3
21) 14 1254-4	2.626	2.976	30188615	40630290	3974.954	3913.958
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			72534636	103.0E6	8666.478	9354.689
Average 1254-1					2166.620	2338.672
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:00 pm
 Operator : pest19:kb
 Sample : L2007286-07D,42e,500,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 10:59:39 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:00 pm
 Operator : pest19:kb
 Sample : L2007286-07D,42e,500,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 10:59:39 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

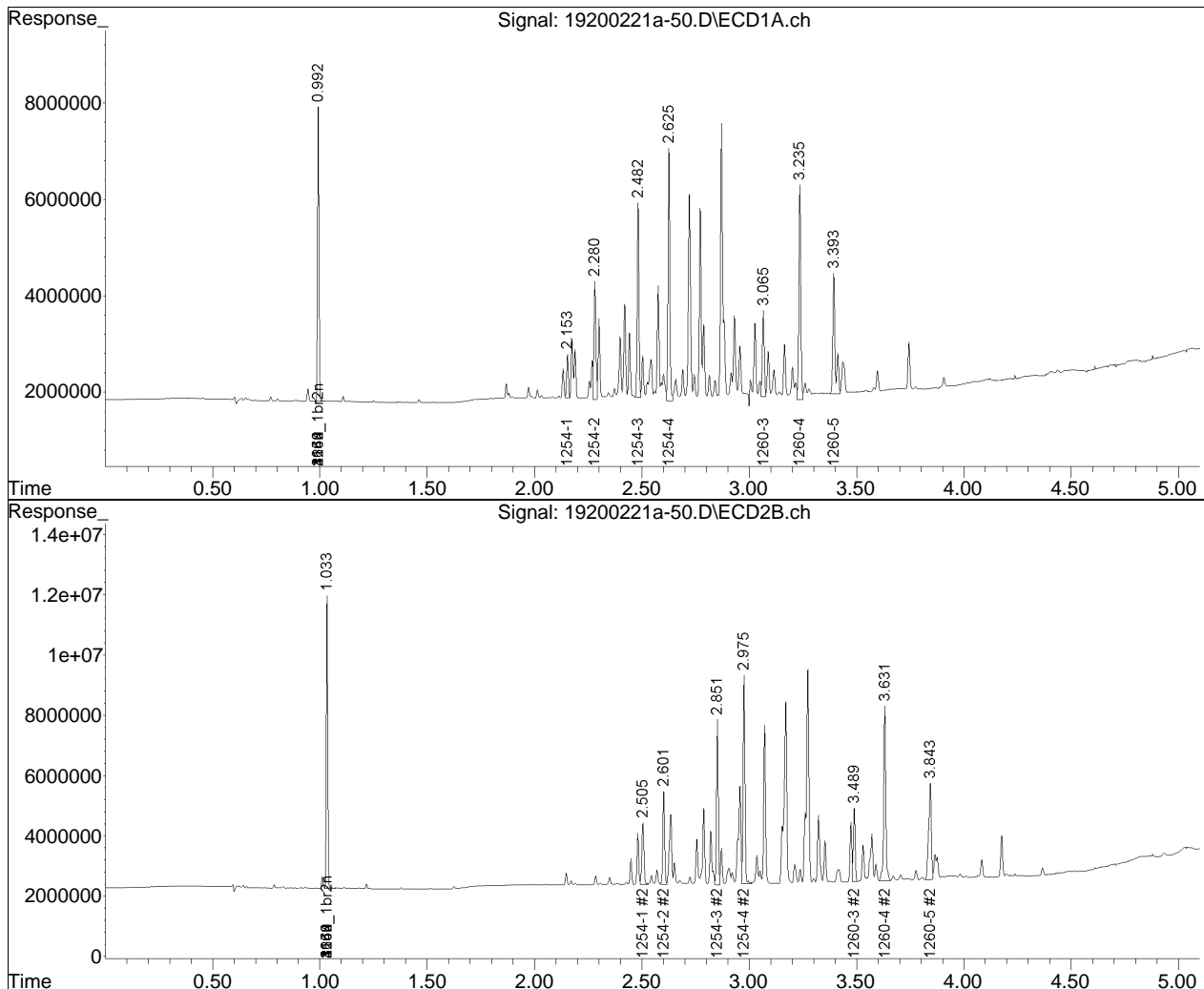
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200221a\
Data File : 19200221a-50.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 08:00 pm
Operator : pest19:kb
Sample : L2007286-07D,42e,500,
Misc : wg1343090,wg1342440,ical16321
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 24 10:59:39 2020
Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

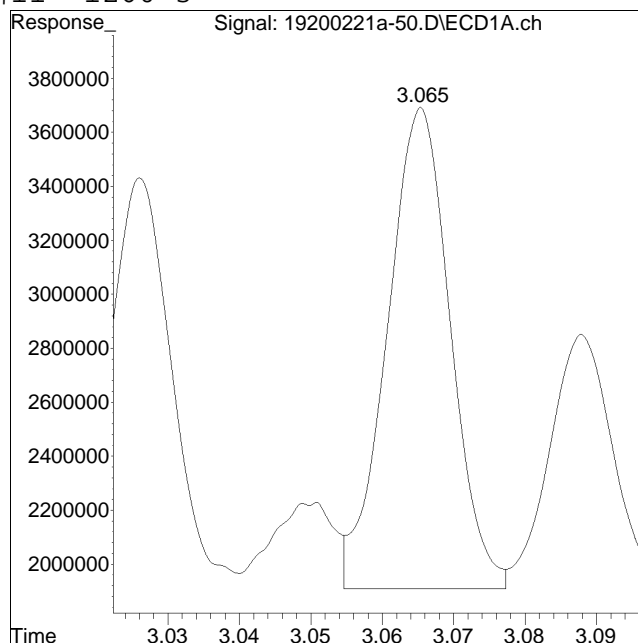
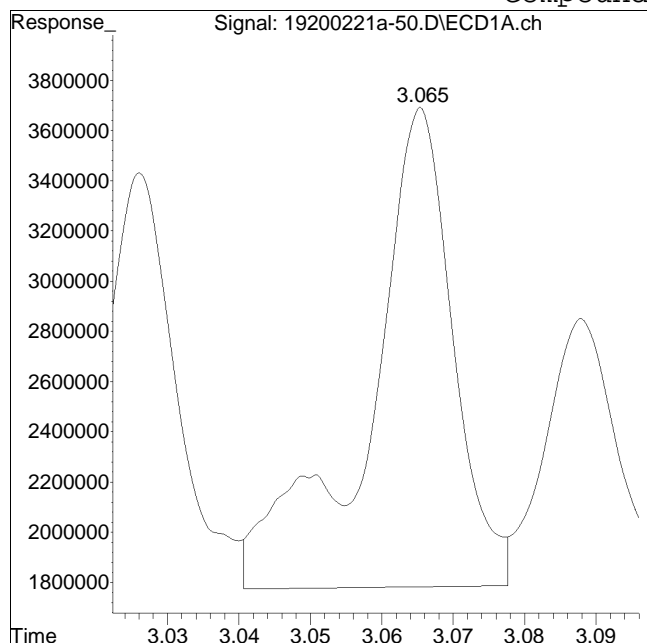


Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-50.D
Date Inj'd : 2/21/2020 8:00 pm
Sample : L2007286-07D,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 10:58 am

Compound #11: 1260-3



Original Peak Response = 15688794

Manual Peak Response = 10946494 M4

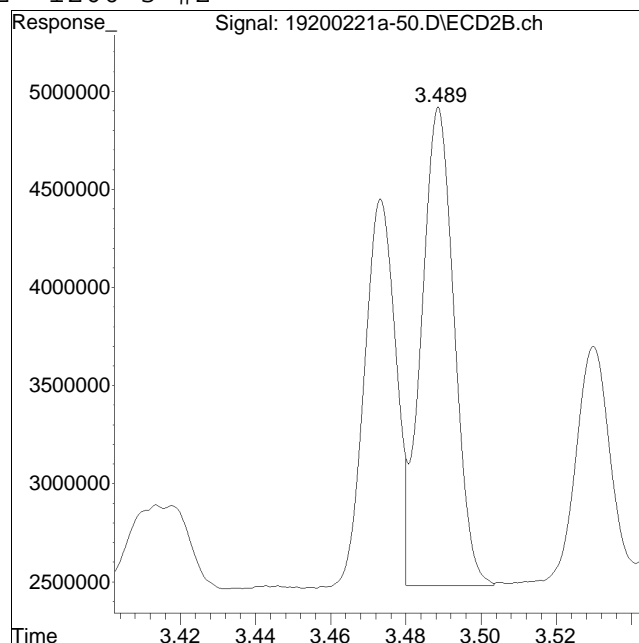
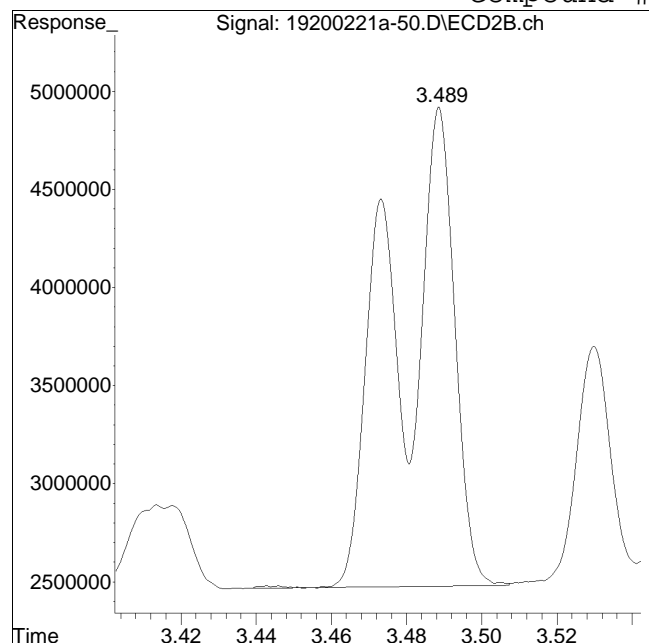
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-50.D
Date Inj'd : 2/21/2020 8:00 pm
Sample : L2007286-07D,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 10:58 am

Compound #62: 1260-3 #2



Original Peak Response = 26289752

Manual Peak Response = 14770563 M3

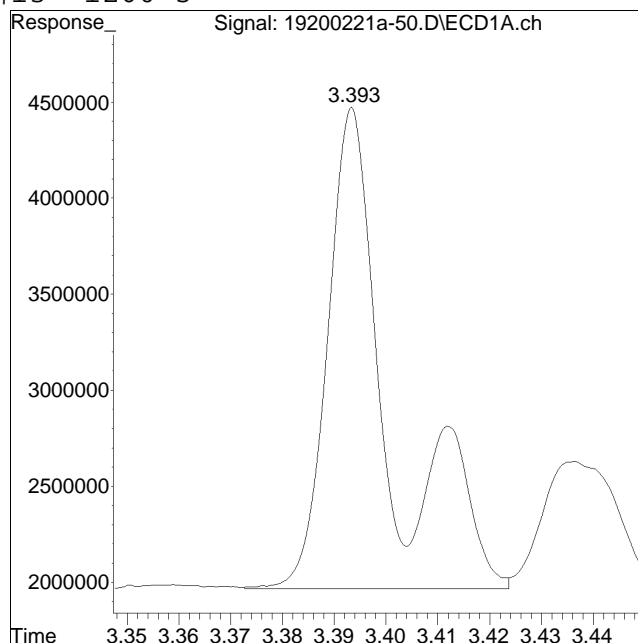
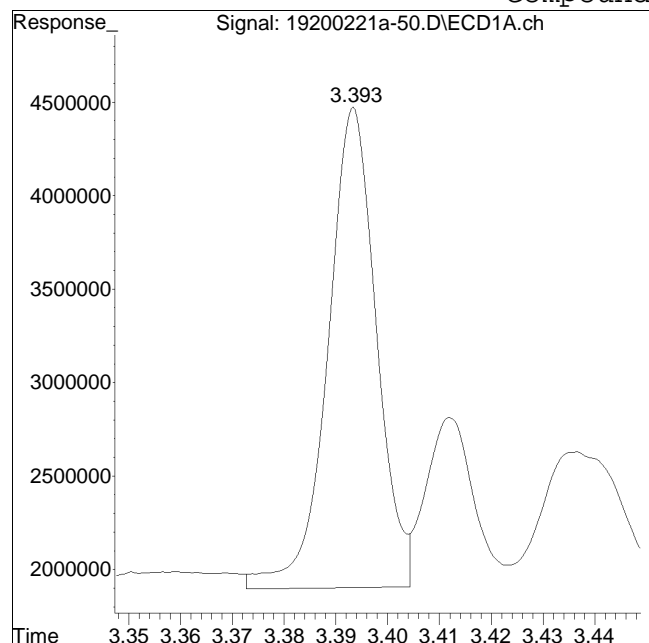
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-50.D
Date Inj'd : 2/21/2020 8:00 pm
Sample : L2007286-07D,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 10:58 am

Compound #13: 1260-5



Original Peak Response = 16730700

Manual Peak Response = 20672827 M1

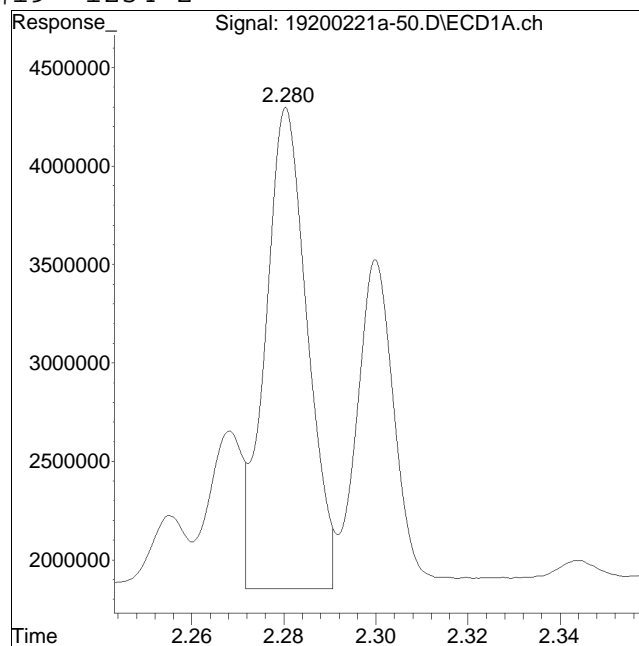
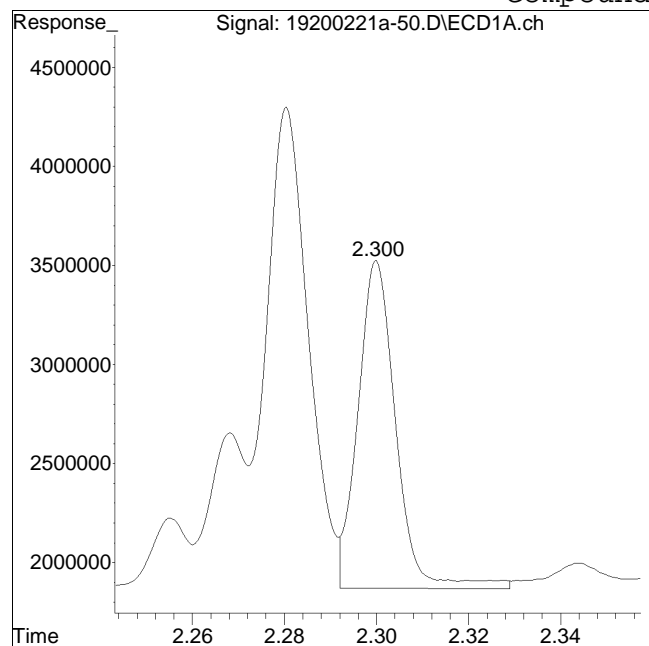
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-50.D
Date Inj'd : 2/21/2020 8:00 pm
Sample : L2007286-07D,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 10:58 am

Compound #19: 1254-2



Original Peak Response = 9526441

Manual Peak Response = 15531552 M2

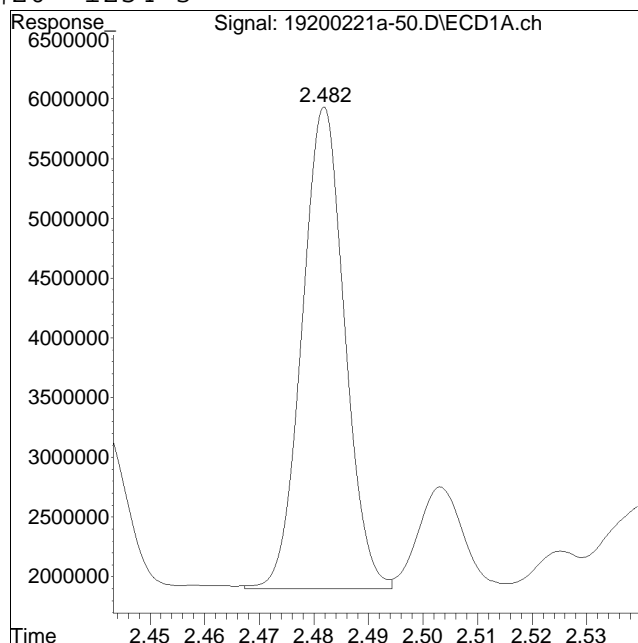
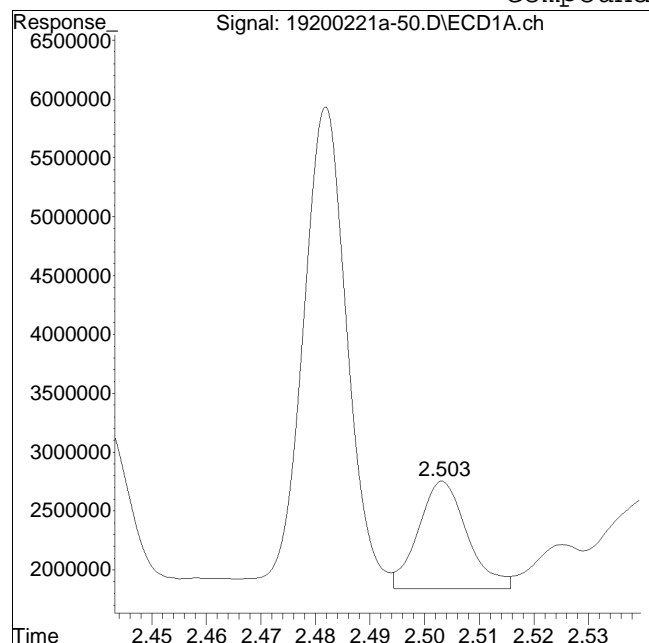
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-50.D
Date Inj'd : 2/21/2020 8:00 pm
Sample : L2007286-07D,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 10:58 am

Compound #20: 1254-3



Original Peak Response = 5683703

Manual Peak Response = 21951169 M2

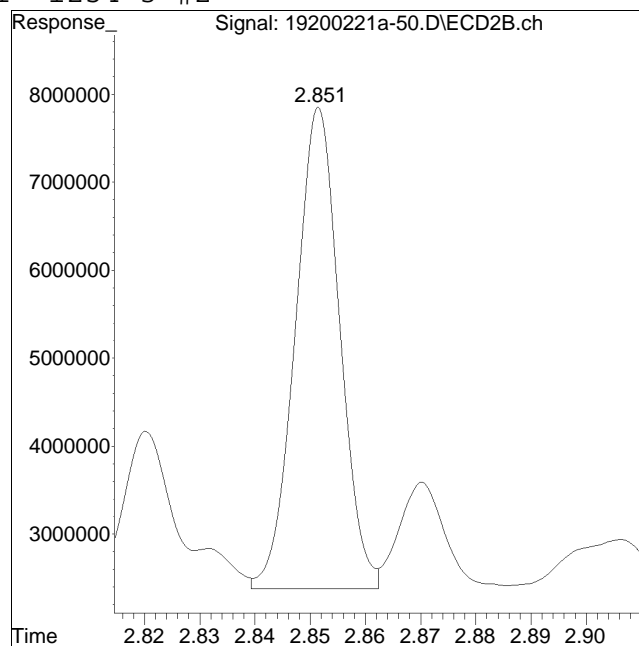
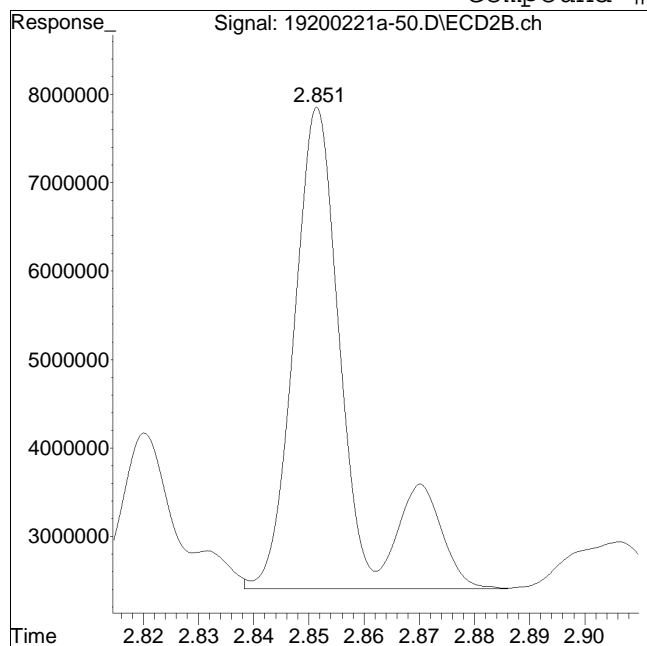
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-50.D
Date Inj'd : 2/21/2020 8:00 pm
Sample : L2007286-07D,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 10:58 am

Compound #71: 1254-3 #2



Original Peak Response = 36846411

Manual Peak Response = 30524823 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-51.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:07 pm
 Operator : pest19:kb
 Sample : L2007286-01D,42e,100,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:00:35 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.992	1.033	29462978	42994071	250.000	250.000
Standard Area 1 : #1 = 25536689					Recovery =	115.38%
Standard Area 1 : #2 = 38140815					Recovery =	112.72%
14) i 2154_1br2nb	0.992	1.033	29462978	42994071	250.000	250.000
23) i 4268_1br2nb	0.992	1.033	29462978	42994071	250.000	250.000
34) i 1248_1br2nb	0.992	1.033	29462978	42994071	250.000	250.000
40) i 3262_1br2nb	0.992	1.033	29462978	42994071	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.573	2.955	9171252	14037208	1181.083	1213.704
10) l2 1260-2	2.718	3.070	14497401	16096118	1241.683	1186.006
11) l2 1260-3	3.062	3.487	9503565	12712368	1250.818	1074.646
12) l2 1260-4	3.232	3.629	19213656	28993239	1202.642	1164.703
13) l2 1260-5	3.389	3.840	14221855	20419293	1231.949M1	1180.803
Sum 1260-1			66607729	92258226	6108.175	5819.861
Average 1260-1					1221.635	1163.972

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-51.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:07 pm
 Operator : pest19:kb
 Sample : L2007286-01D,42e,100,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:00:35 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-51.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:07 pm
 Operator : pest19:kb
 Sample : L2007286-01D,42e,100,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:00:35 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D.	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

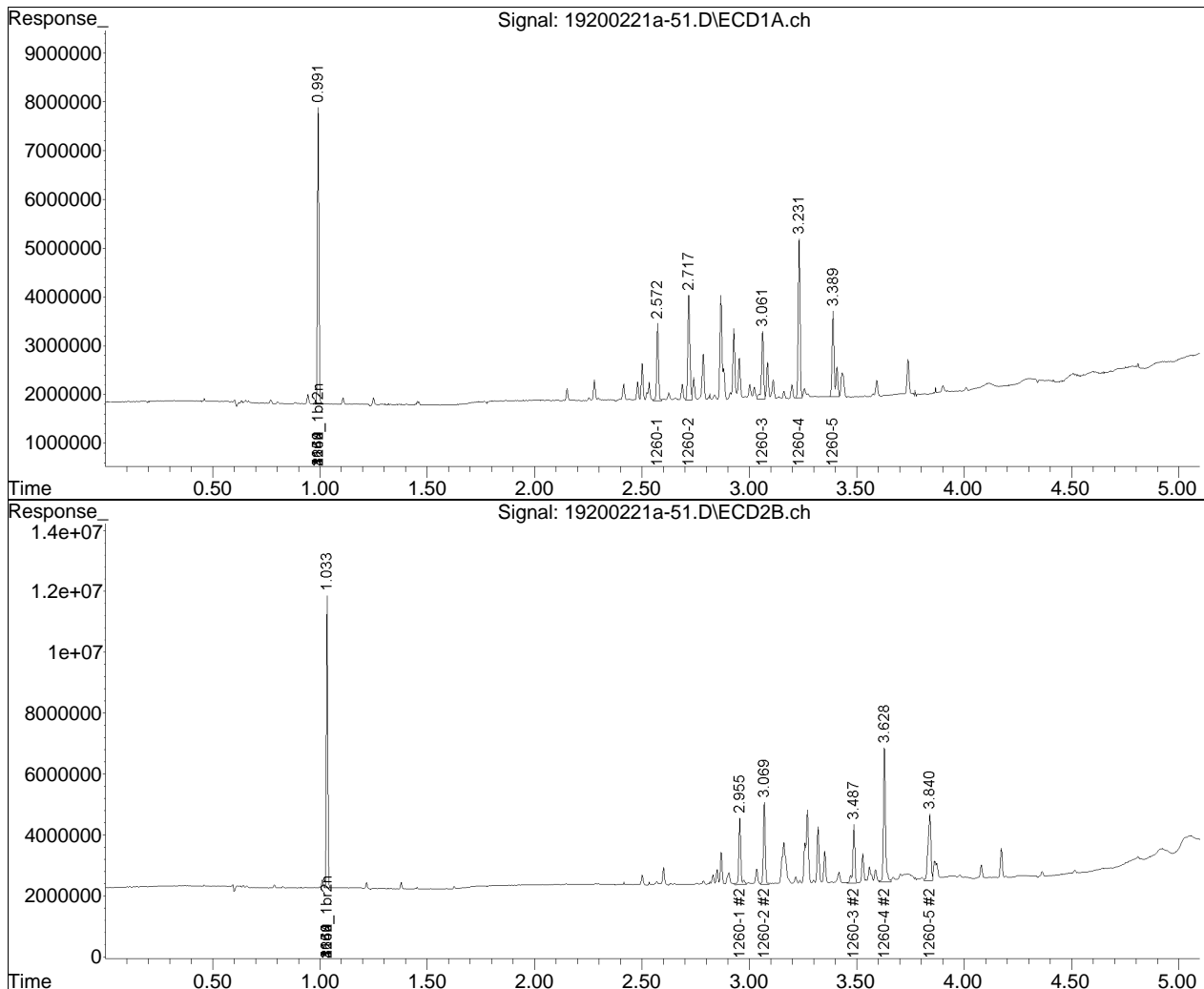
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200221a\
Data File : 19200221a-51.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 08:07 pm
Operator : pest19:kb
Sample : L2007286-01D,42e,100,
Misc : wg1343090,wg1342440,ical16321
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 24 11:00:35 2020
Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

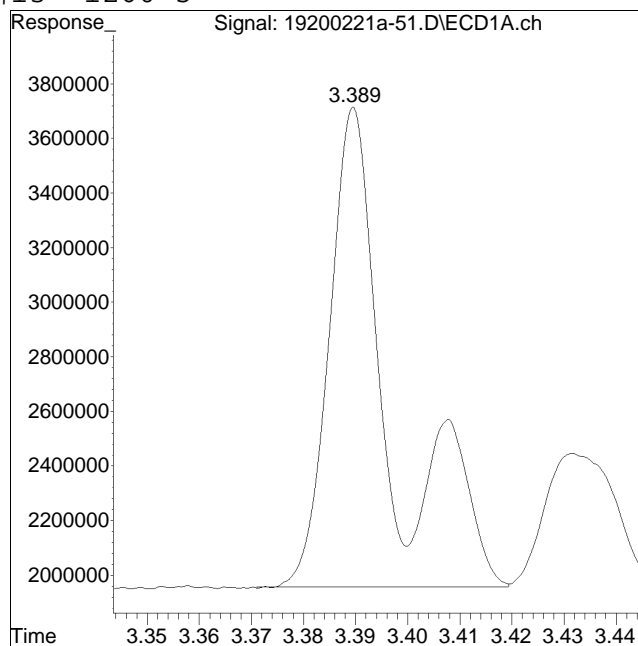
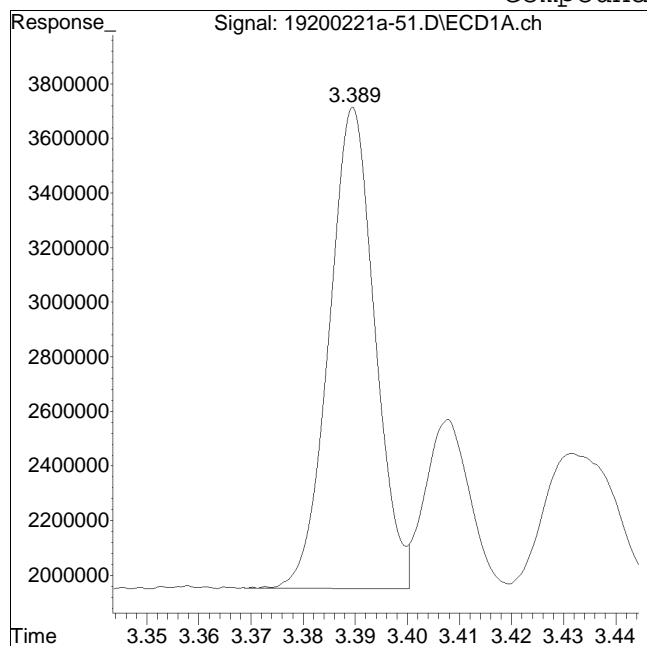


Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-51.D
Date Inj'd : 2/21/2020 8:07 pm
Sample : L2007286-01D,42e,100,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:00 am

Compound #13: 1260-5



Original Peak Response = 10743795

Manual Peak Response = 14221855 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-52.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:15 pm
 Operator : pest19:kb
 Sample : L2007286-02D,42e,100,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:01:17 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.993	1.032	28698213	42182480	250.000	250.000
Standard Area 1 : #1 = 25536689					Recovery =	112.38%
Standard Area 1 : #2 = 38140815					Recovery =	110.60%
14) i 2154_1br2nb	0.993	1.032	28698213	42182480	250.000	250.000
23) i 4268_1br2nb	0.993	1.032	28698213	42182480	250.000	250.000
34) i 1248_1br2nb	0.993	1.032	28698213	42182480	250.000	250.000
40) i 3262_1br2nb	0.993	1.032	28698213	42182480	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.576	2.956	11259207	16332057	1488.611	1439.294
10) l2 1260-2	2.721	3.071	18584157	20679563	1634.125	1553.043
11) l2 1260-3	3.065	3.488	12534577	15645351	1693.710	1348.034
12) l2 1260-4	3.236	3.630	25323305	38463618	1627.303	1574.871
13) l2 1260-5	3.393	3.842	19104510	25742209	1699.003M1	1517.256
Sum 1260-1			86805756	116.9E6	8142.754	7432.498
Average 1260-1					1628.551	1486.500

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-52.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:15 pm
 Operator : pest19:kb
 Sample : L2007286-02D,42e,100,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:01:17 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-52.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:15 pm
 Operator : pest19:kb
 Sample : L2007286-02D,42e,100,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:01:17 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

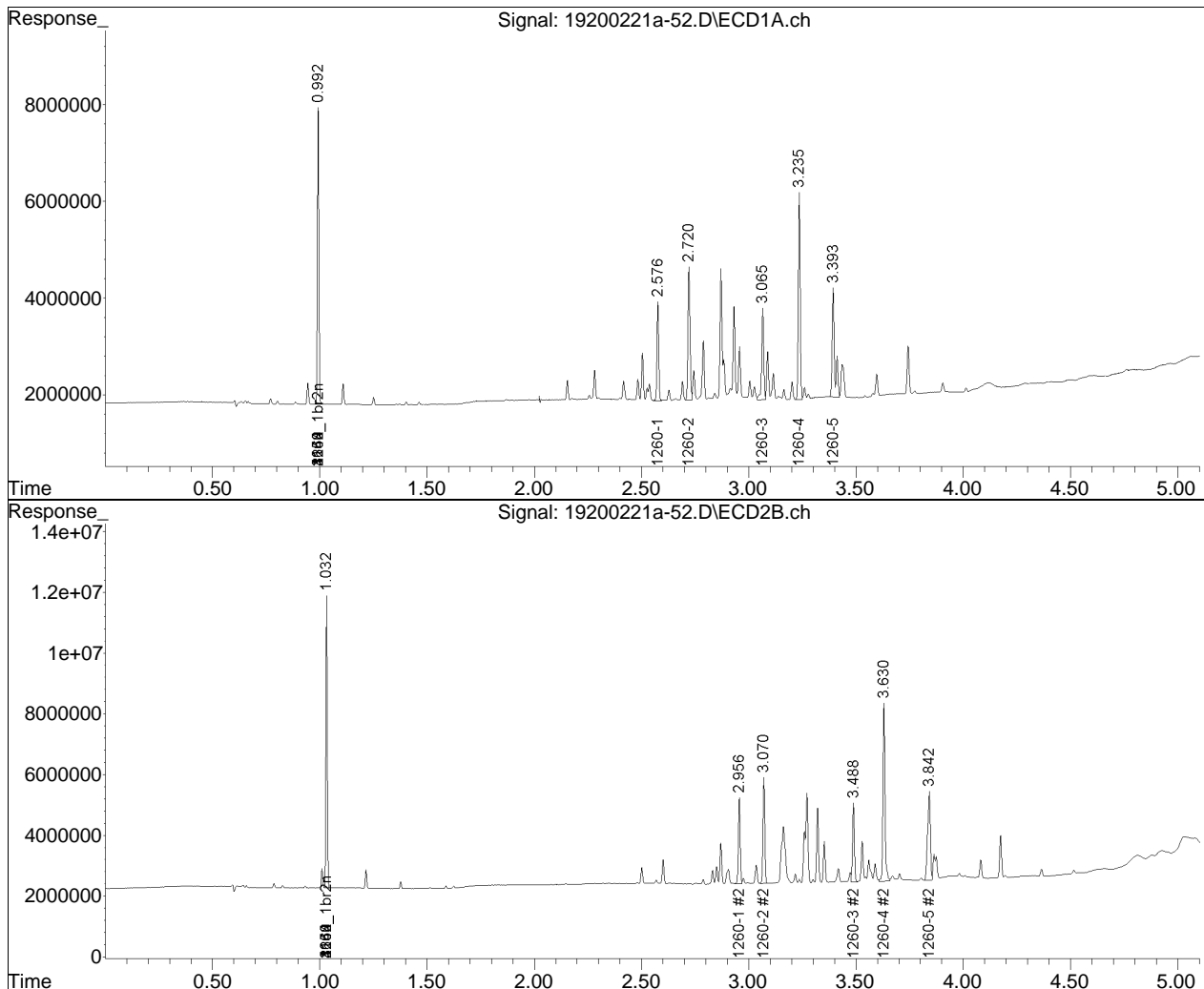
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200221a\
Data File : 19200221a-52.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 08:15 pm
Operator : pest19:kb
Sample : L2007286-02D,42e,100,
Misc : wg1343090,wg1342440,ical16321
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 24 11:01:17 2020
Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

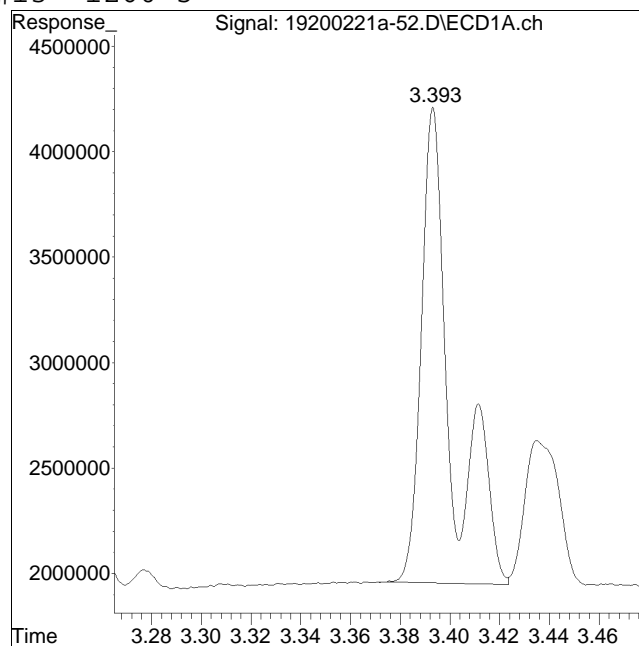
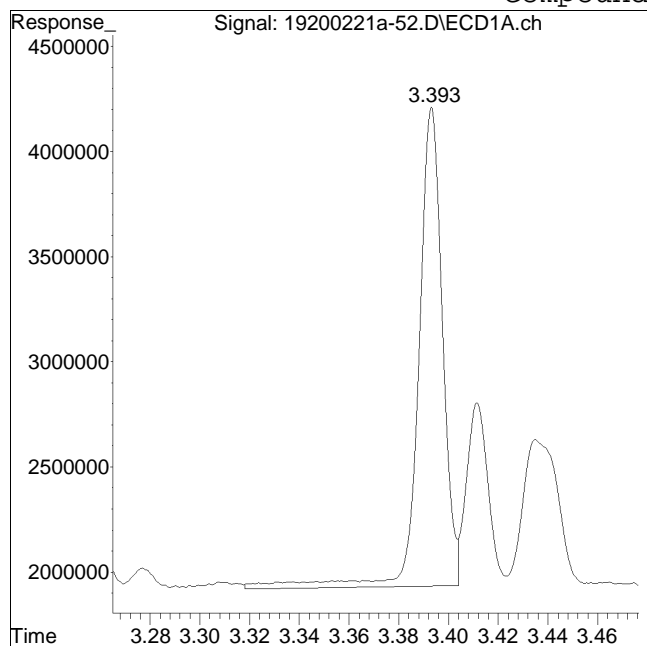


Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-52.D
Date Inj'd : 2/21/2020 8:15 pm
Sample : L2007286-02D,42e,100,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:00 am

Compound #13: 1260-5



Original Peak Response = 15383629

Manual Peak Response = 19104510 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-53.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:22 pm
 Operator : pest19:kb
 Sample : L2007286-08D,42e,100,
 Misc : wg1343090,wg1342440,ical16321
 ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:02:51 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.033	29278133	42813046	250.000	250.000
Standard Area 1 : #1 = 25536689					Recovery =	114.65%
Standard Area 1 : #2 = 38140815					Recovery =	112.25%
14) i 2154_1br2nb	0.991	1.033	29278133	42813046	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	29278133	42813046	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	29278133	42813046	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	29278133	42813046	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	3.060	3.486	11923341	15224969	1579.207	1292.492
12) l2 1260-4	3.230	3.628	28417794	41232679	1789.987	1663.383
13) l2 1260-5	3.387	3.840	21044422	27841729	1834.454M1	1616.834
Sum 1260-1			61385557	84299377	5203.648	4572.709
Average 1260-1					1734.549	1524.236

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-53.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:22 pm
 Operator : pest19:kb
 Sample : L2007286-08D,42e,100,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:02:51 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	2.149	2.503	5365789	15815773	931.228M2	1755.472
19)	14 1254-2	2.276	2.600	16773174	19736760	1671.371M2	1897.292
20)	14 1254-3	2.477	2.848	23574948	33830242	2401.446M2	2370.567M2
21)	14 1254-4	2.621	2.973	32123627	44980779	4172.206	4307.866M2
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			77837538	114.4E6	9176.252	10331.198
	Average 1254-1					2294.063	2582.799
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-53.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:22 pm
 Operator : pest19:kb
 Sample : L2007286-08D,42e,100,
 Misc : wg1343090,wg1342440,ical16321
 ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:02:51 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-53.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:22 pm
 Operator : pest19:kb
 Sample : L2007286-08D,42e,100,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:02:51 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

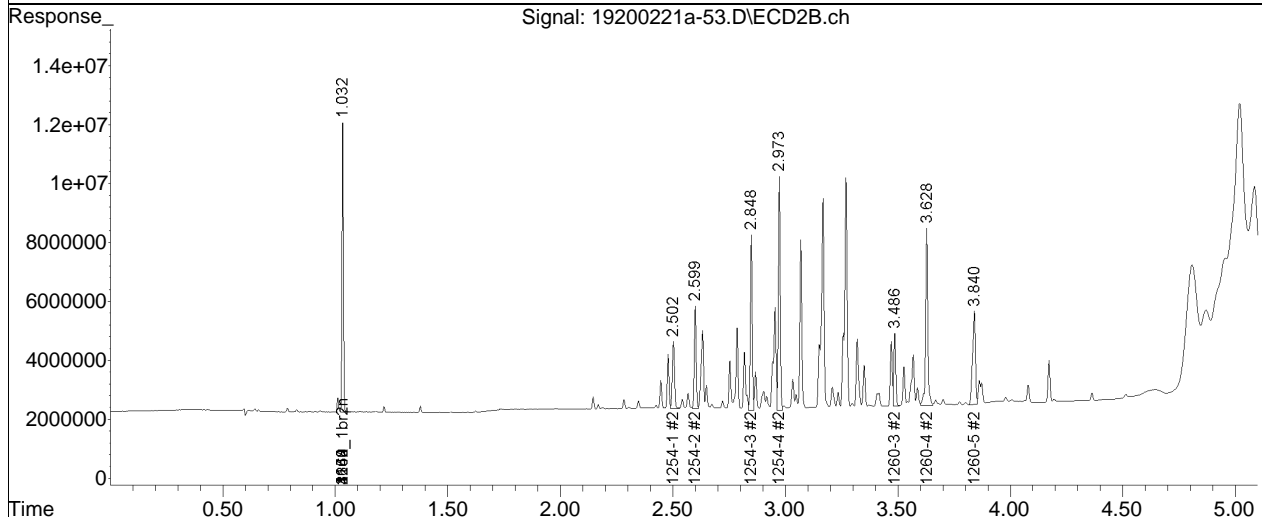
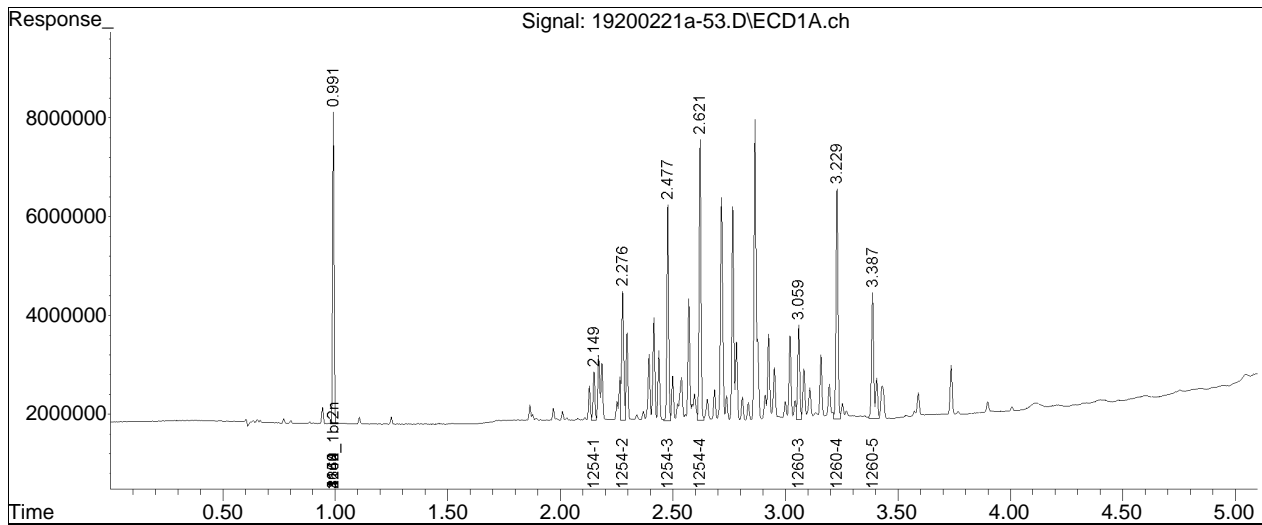
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200221a\
Data File : 19200221a-53.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 08:22 pm
Operator : pest19:kb
Sample : L2007286-08D,42e,100,
Misc : wg1343090,wg1342440,ical16321
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 24 11:02:51 2020
Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

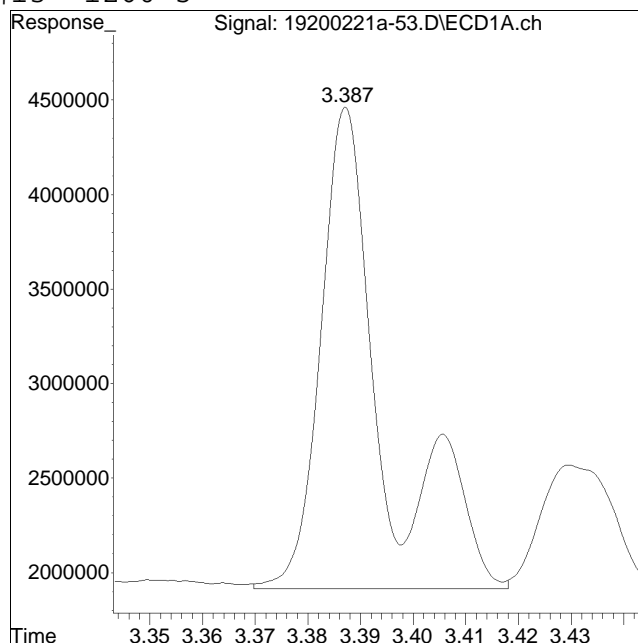
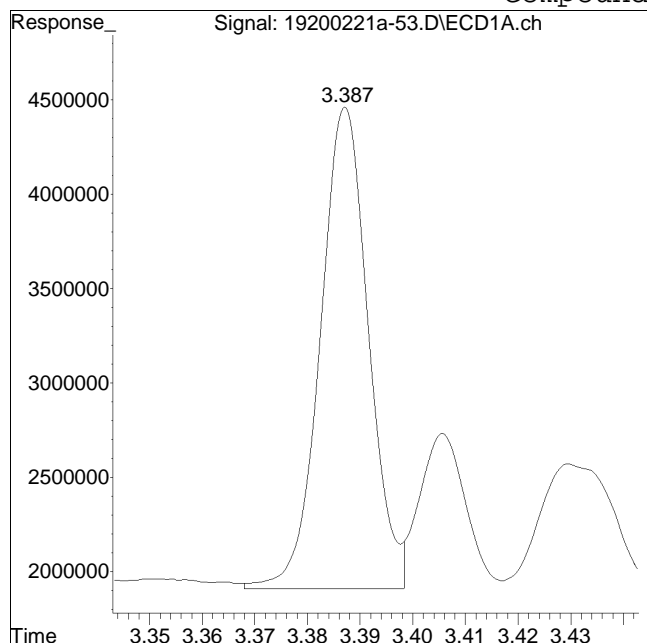


Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-53.D
Date Inj'd : 2/21/2020 8:22 pm
Sample : L2007286-08D,42e,100,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:01 am

Compound #13: 1260-5



Original Peak Response = 16159556

Manual Peak Response = 21044422 M1

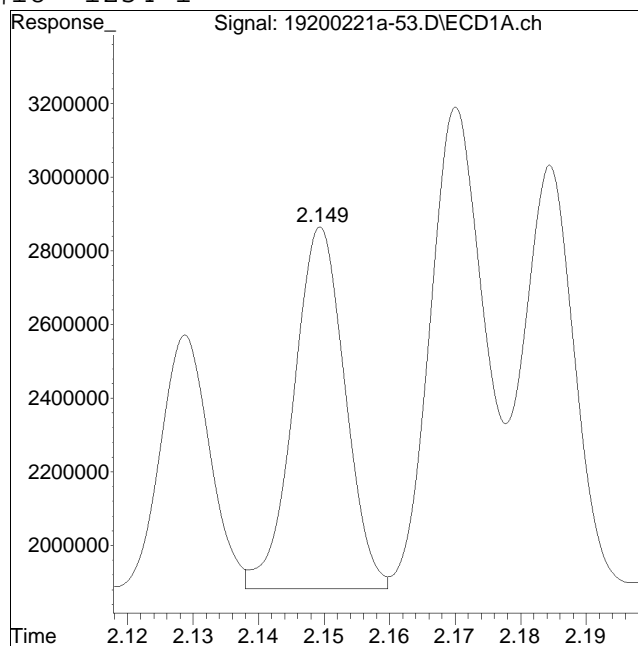
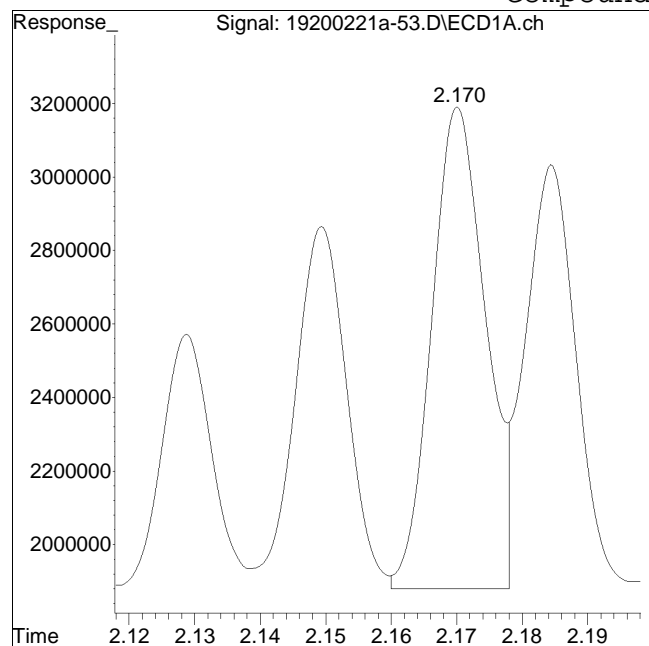
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-53.D
Date Inj'd : 2/21/2020 8:22 pm
Sample : L2007286-08D,42e,100,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:01 am

Compound #18: 1254-1



Original Peak Response = 7414207

Manual Peak Response = 5365789 M2

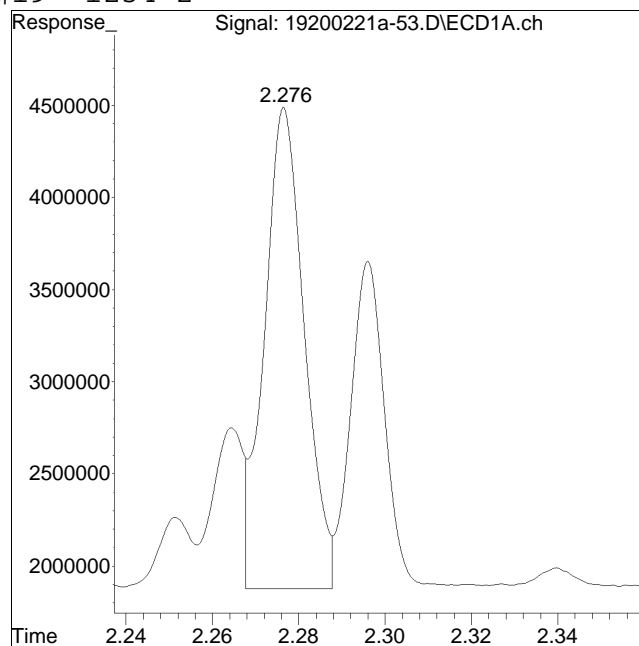
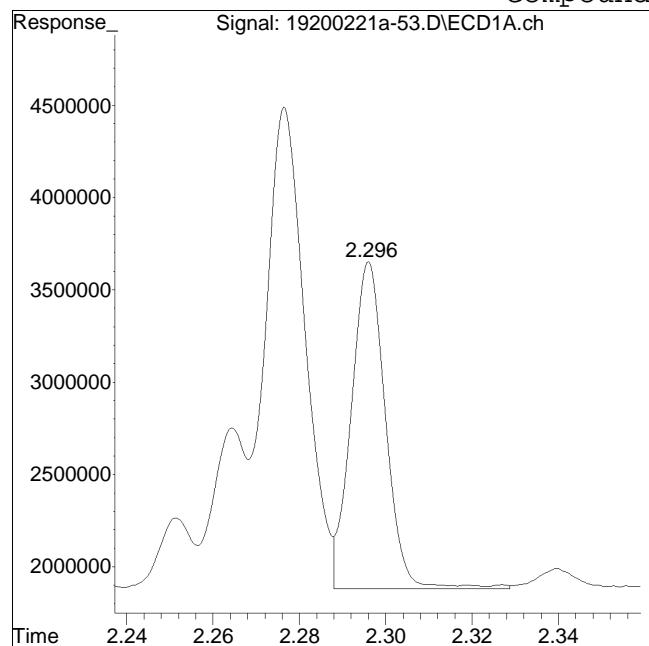
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-53.D
Date Inj'd : 2/21/2020 8:22 pm
Sample : L2007286-08D,42e,100,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:01 am

Compound #19: 1254-2



Original Peak Response = 9907879

Manual Peak Response = 16773174 M2

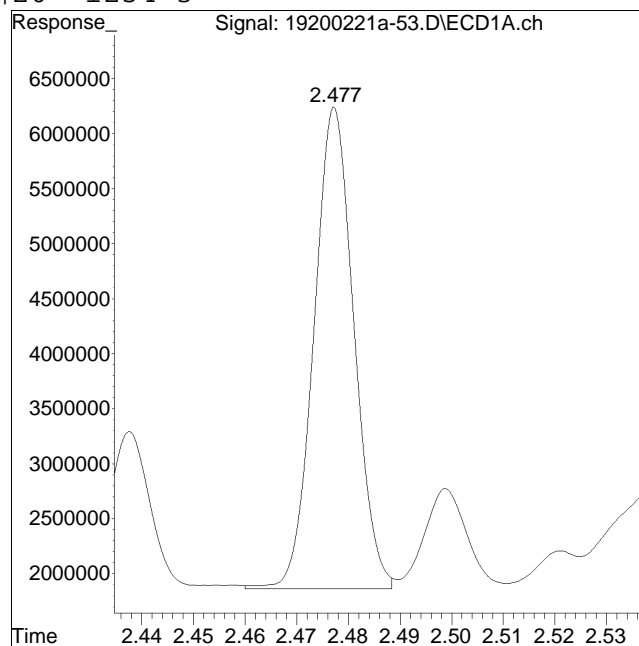
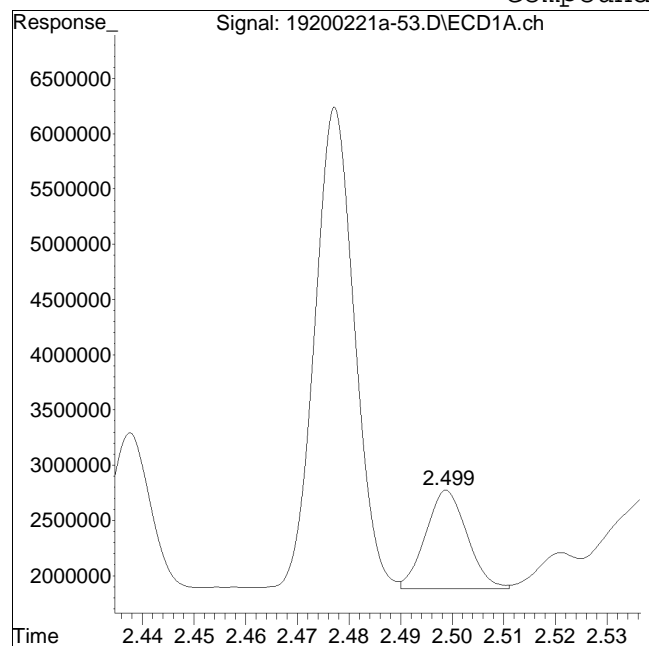
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-53.D
Date Inj'd : 2/21/2020 8:22 pm
Sample : L2007286-08D,42e,100,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:01 am

Compound #20: 1254-3



Original Peak Response = 5014155

Manual Peak Response = 23574948 M2

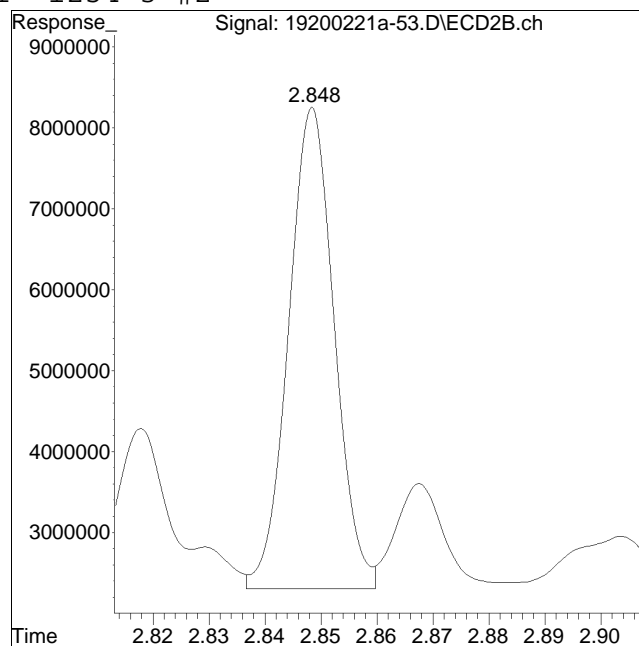
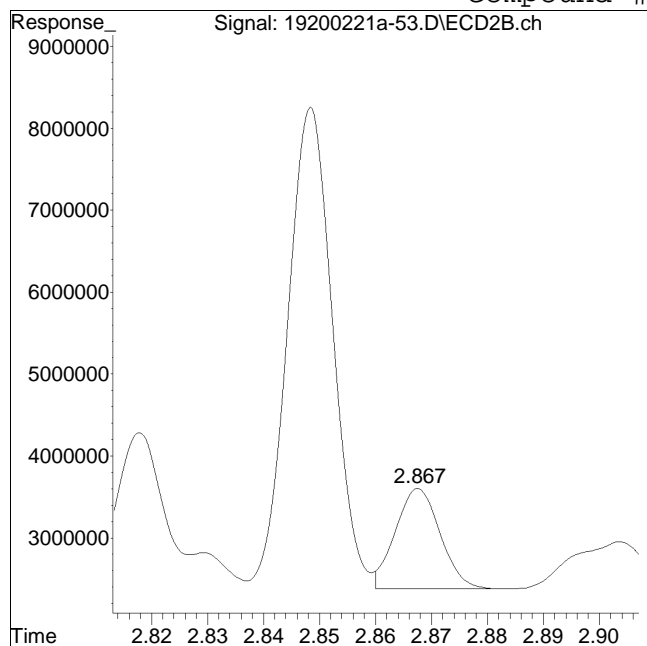
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-53.D
Date Inj'd : 2/21/2020 8:22 pm
Sample : L2007286-08D,42e,100,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:01 am

Compound #71: 1254-3 #2



Original Peak Response = 6892376

Manual Peak Response = 33830242 M2

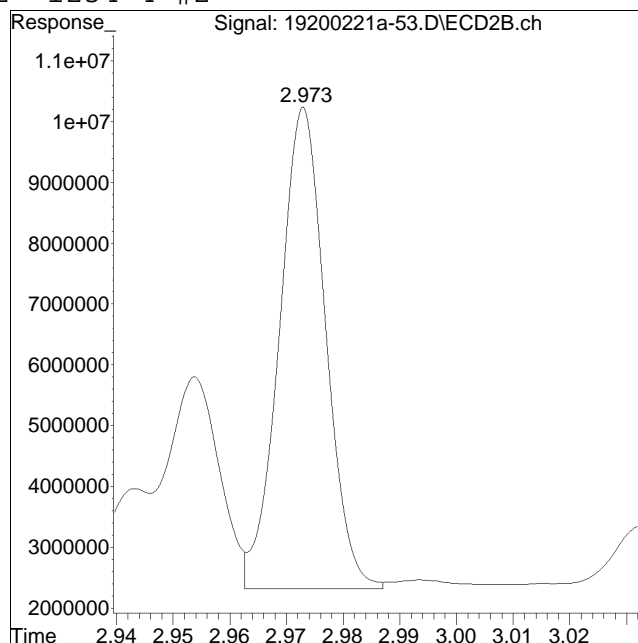
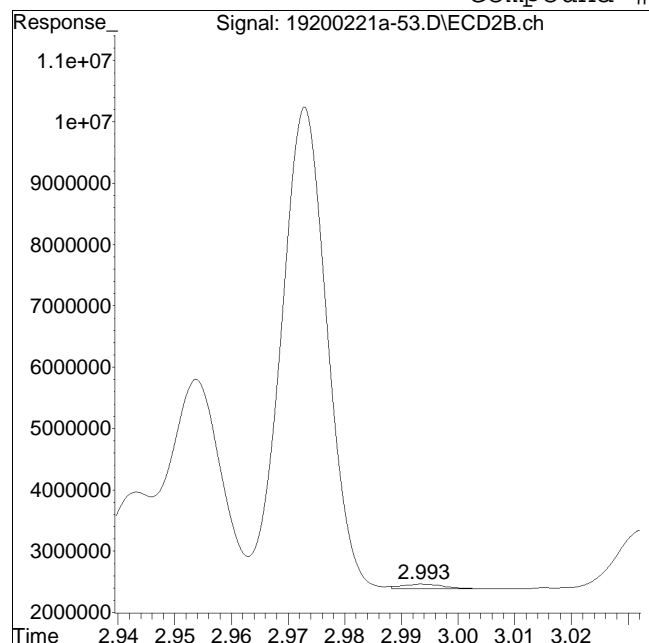
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-53.D
Date Inj'd : 2/21/2020 8:22 pm
Sample : L2007286-08D,42e,100,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:01 am

Compound #72: 1254-4 #2



Original Peak Response = 419285

Manual Peak Response = 44980779 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-54.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:29 pm
 Operator : pest19:kb
 Sample : L2007286-11D,42e,20,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:04:05 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.033	30468255	44950598	250.000	250.000
Standard Area 1 : #1 = 25536689					Recovery =	119.31%
Standard Area 1 : #2 = 38140815					Recovery =	117.85%
14) i 2154_1br2nb	0.991	1.033	30468255	44950598	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	30468255	44950598	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	30468255	44950598	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	30468255	44950598	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.569	2.954	30032439	43329462	3739.998	3583.343
10) l2 1260-2	2.714	3.068	58577361	66186182	4851.540	4664.511
11) l2 1260-3	3.058	3.485	36386093	50440267	4630.972	4078.397M4
12) l2 1260-4	3.228	3.627	90637013	126.2E6	5486.065	4850.067M4
13) l2 1260-5	3.385	3.839	69387186	90649843	5812.257M1	5013.914M4
Sum 1260-1			285.0E6	376.8E6	24520.832	22190.233
Average 1260-1					4904.166	4438.047

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-54.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:29 pm
 Operator : pest19:kb
 Sample : L2007286-11D,42e,20,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:04:05 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-54.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:29 pm
 Operator : pest19:kb
 Sample : L2007286-11D,42e,20,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:04:05 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-54.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:29 pm
 Operator : pest19:kb
 Sample : L2007286-11D,42e,20,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:04:05 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

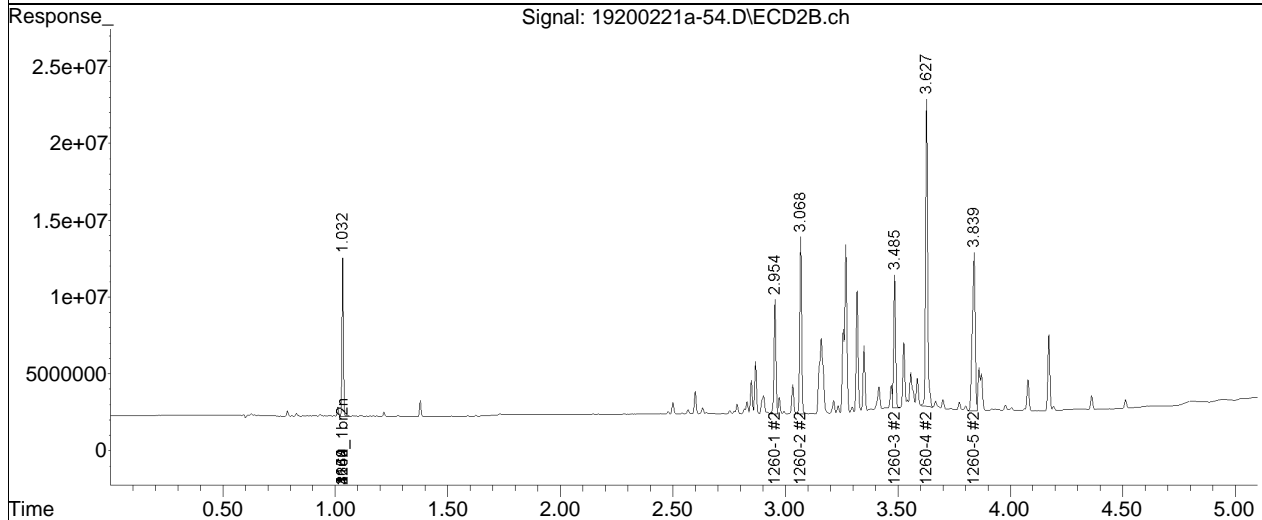
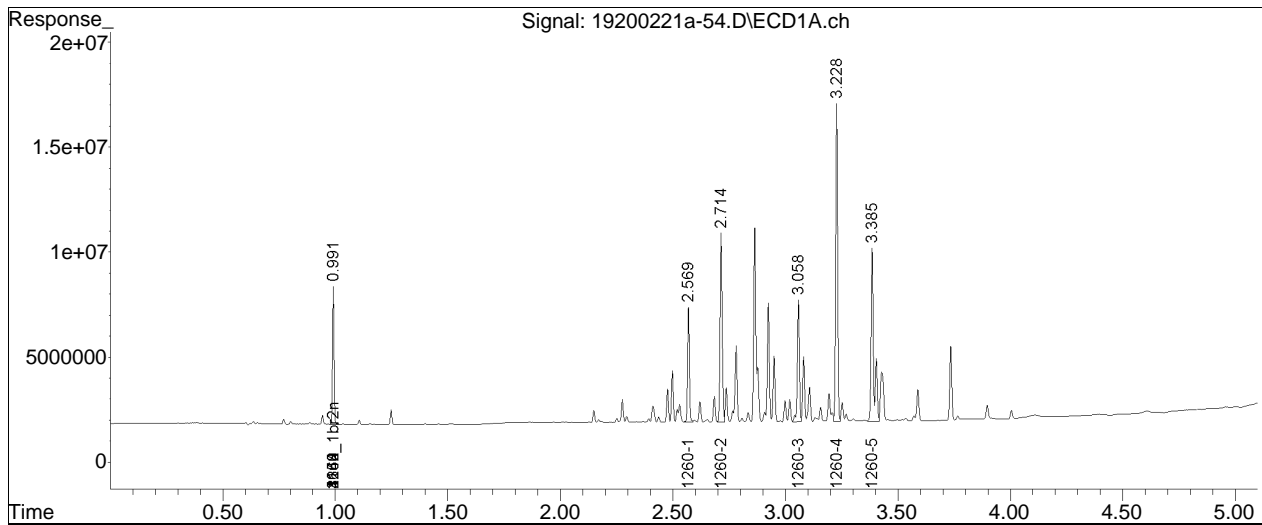
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200221a\
Data File : 19200221a-54.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 08:29 pm
Operator : pest19:kb
Sample : L2007286-11D,42e,20,
Misc : wg1343090,wg1342440,ical16321
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 24 11:04:05 2020
Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

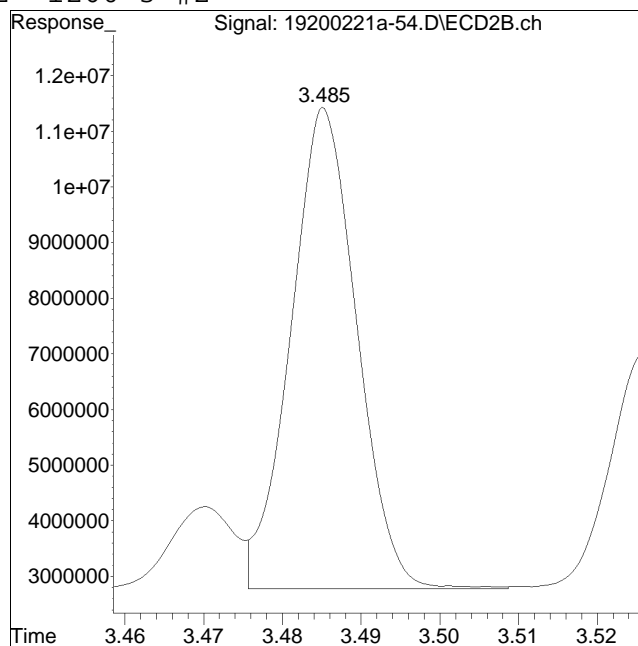
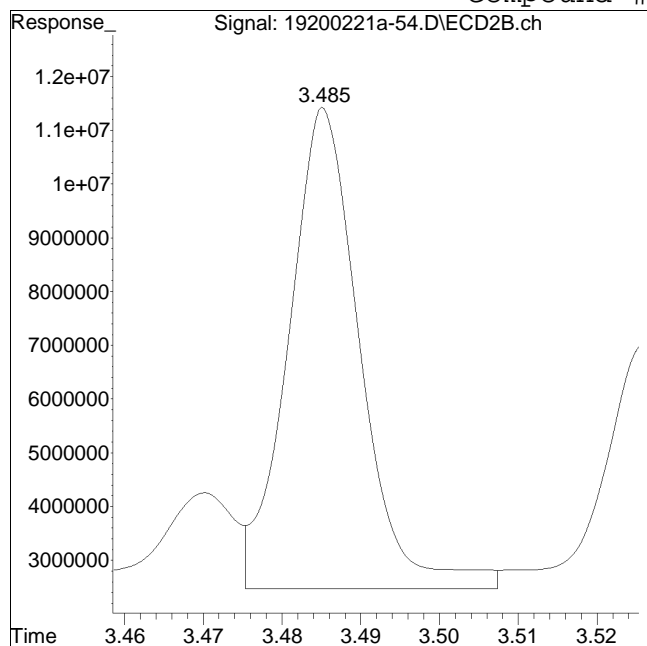


Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-54.D
Date Inj'd : 2/21/2020 8:29 pm
Sample : L2007286-11D,42e,20,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:03 am

Compound #62: 1260-3 #2



Original Peak Response = 56827258

Manual Peak Response = 50440267 M4

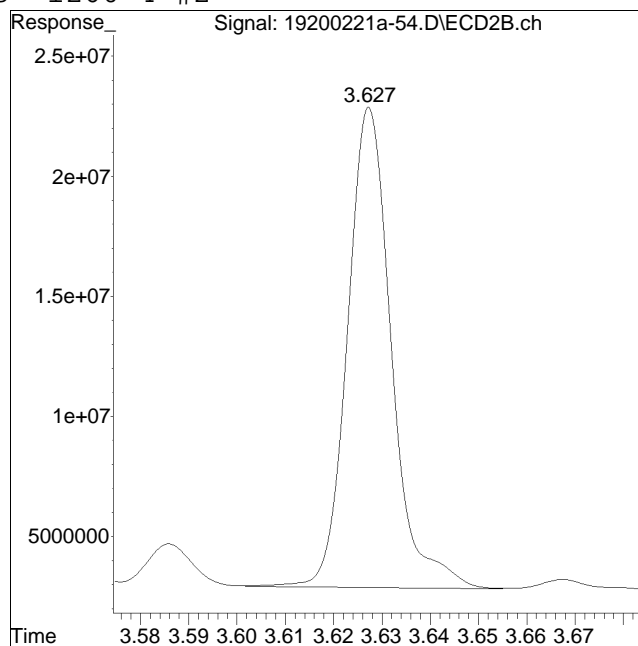
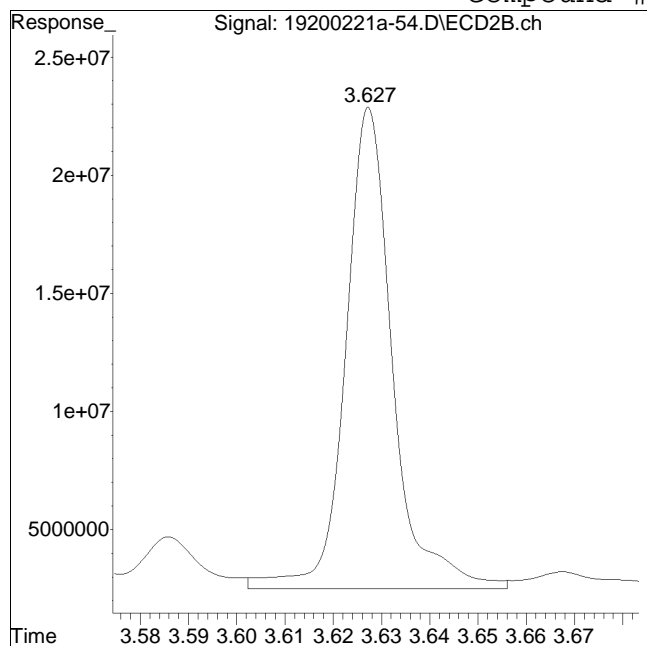
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-54.D
Date Inj'd : 2/21/2020 8:29 pm
Sample : L2007286-11D,42e,20,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:03 am

Compound #63: 1260-4 #2



Original Peak Response = 138577605

Manual Peak Response = 126228202 M4

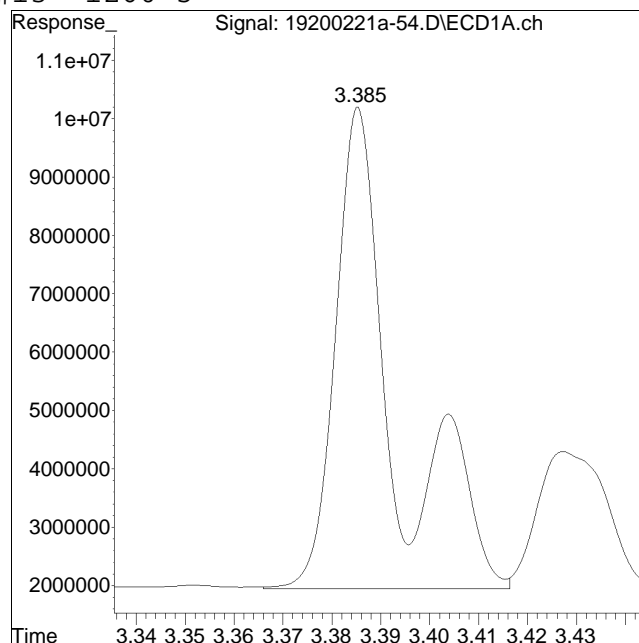
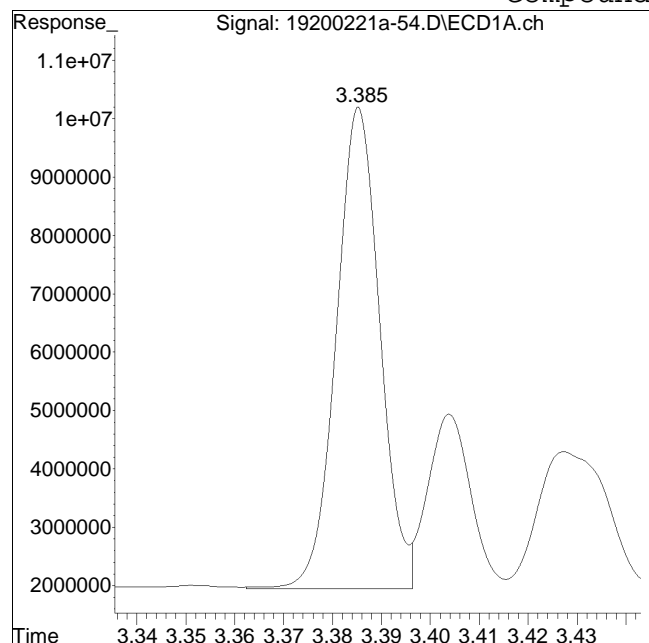
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-54.D
Date Inj'd : 2/21/2020 8:29 pm
Sample : L2007286-11D,42e,20,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:03 am

Compound #13: 1260-5



Original Peak Response = 50910175

Manual Peak Response = 69387186 M1

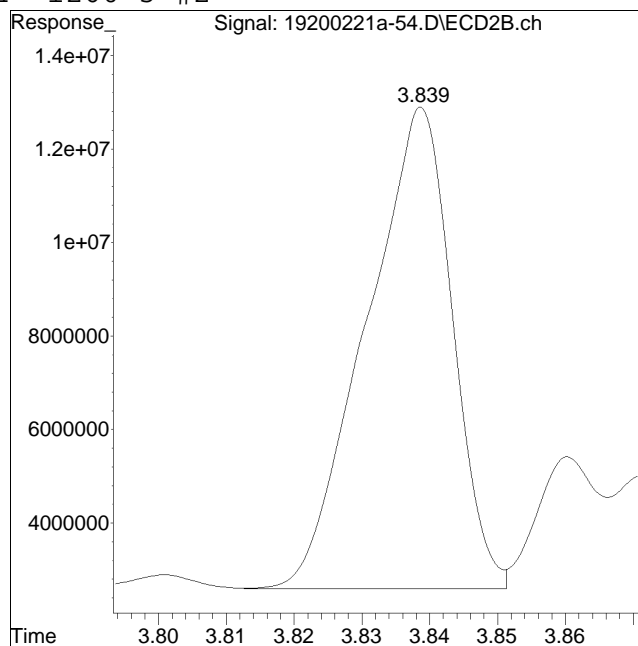
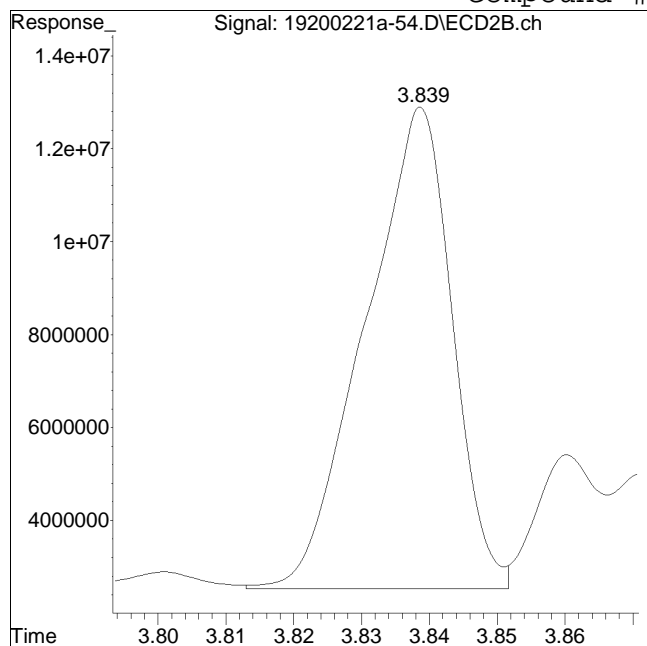
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-54.D
Date Inj'd : 2/21/2020 8:29 pm
Sample : L2007286-11D,42e,20,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:03 am

Compound #64: 1260-5 #2



Original Peak Response = 91922181

Manual Peak Response = 90649843 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-55.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:36 pm
 Operator : pest19:kb
 Sample : L2007286-06D,42e,5,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:05:31 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.991	1.032	28177321	41324102	250.000M4	250.000M4
Standard Area 1 : #1 = 25536689				Recovery =	110.34%	
Standard Area 1 : #2 = 38140815				Recovery =	108.35%	
14) i 2154_1br2nb	0.991	1.032	28177321	41324102	250.000M4	250.000M4
23) i 4268_1br2nb	0.991	1.032	28177321	41324102	250.000M4	250.000M4
34) i 1248_1br2nb	0.991	1.032	28177321	41324102	250.000M4	250.000M4
40) i 3262_1br2nb	0.991	1.032	28177321	41324102	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.377	11999740	16709126	81.607M4	79.167M4
Spiked Amount 500.000 Range 30 - 150				Recovery =	16.32%# 15.83%#	
3) s Decachlorobi	4.005	4.512	9192292	12414043	77.933	69.731
Spiked Amount 500.000 Range 30 - 150				Recovery =	15.59%# 13.95%#	
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.570	2.953	17706041	25254568	2384.241	2271.837
10) l2 1260-2	2.714	3.068	31143408	34960918	2789.098	2680.117

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-55.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:36 pm
 Operator : pest19:kb
 Sample : L2007286-06D,42e,5,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:05:31 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) 12 1260-3	3.058	3.485	18559967	25323394	2554.241	2227.235
12) 12 1260-4	3.228	3.627	43413165	65326137	2841.350	2730.300
13) 12 1260-5	3.385	3.838	35346205	46135905	3201.520M1	2775.753
Sum 1260-1			146.2E6	197.0E6	13770.449	12685.242
Average 1260-1					2754.090	2537.048
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-55.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:36 pm
 Operator : pest19:kb
 Sample : L2007286-06D,42e,5,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:05:31 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-55.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:36 pm
 Operator : pest19:kb
 Sample : L2007286-06D,42e,5,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:05:31 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

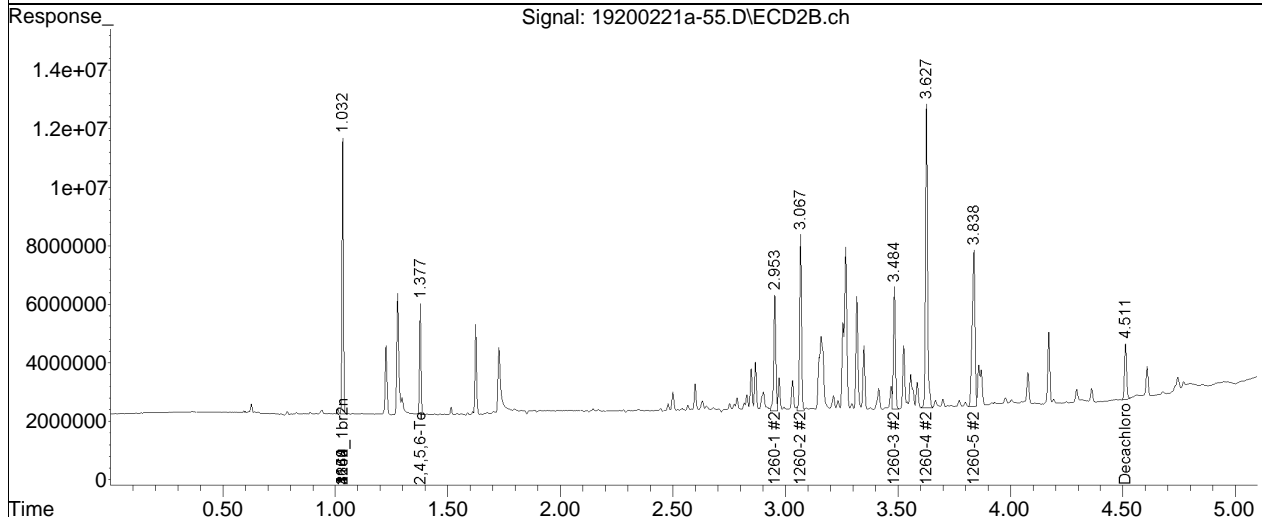
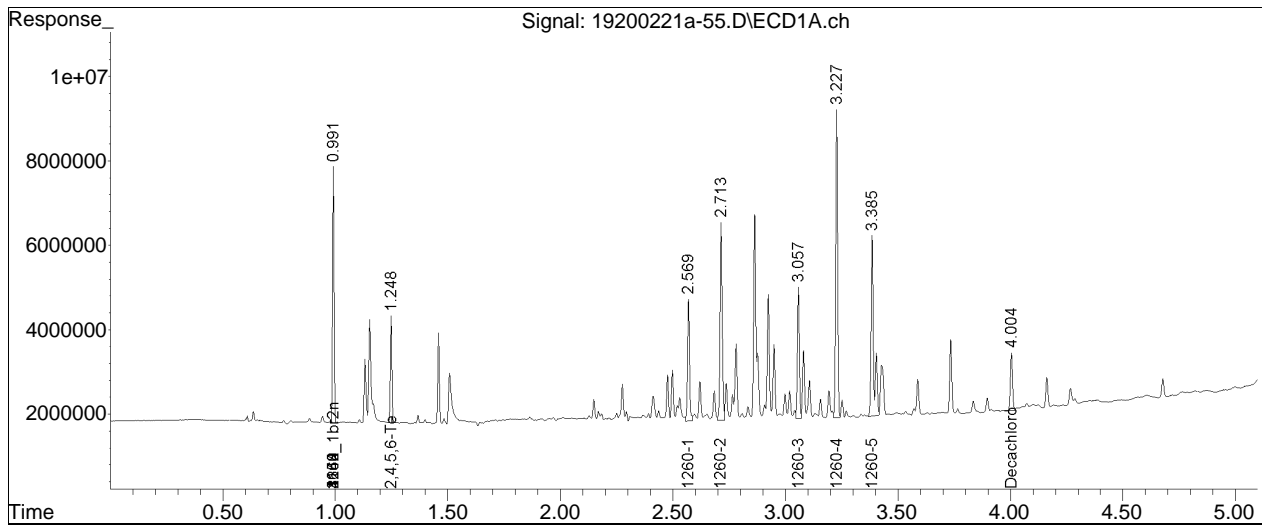
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200221a\
Data File : 19200221a-55.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 08:36 pm
Operator : pest19:kb
Sample : L2007286-06D,42e,5,
Misc : wg1343090,wg1342440,ical16321
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 24 11:05:31 2020
Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

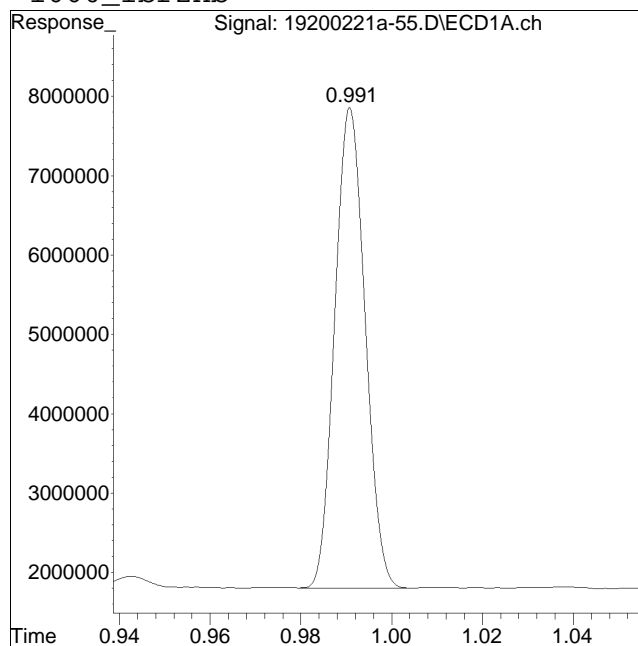
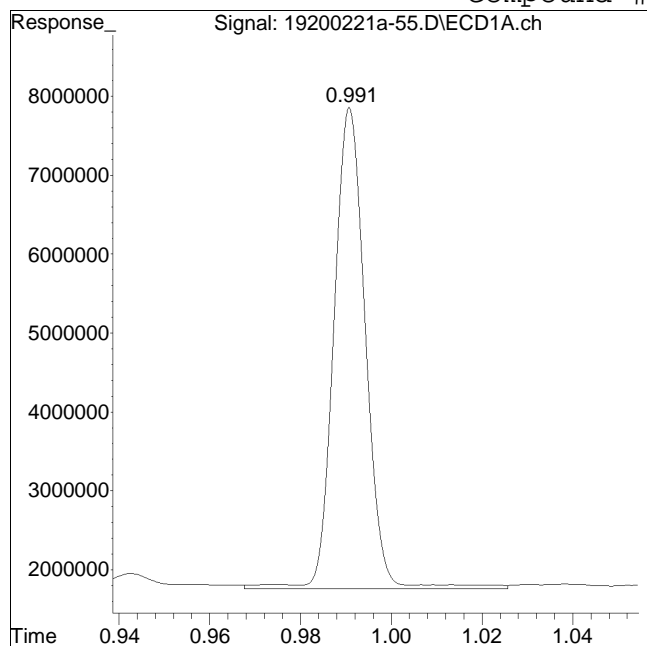


Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-55.D
Date Inj'd : 2/21/2020 8:36 pm
Sample : L2007286-06D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:04 am

Compound #1: 1660_1br2nb



Original Peak Response = 29805431

Manual Peak Response = 28177321 M4

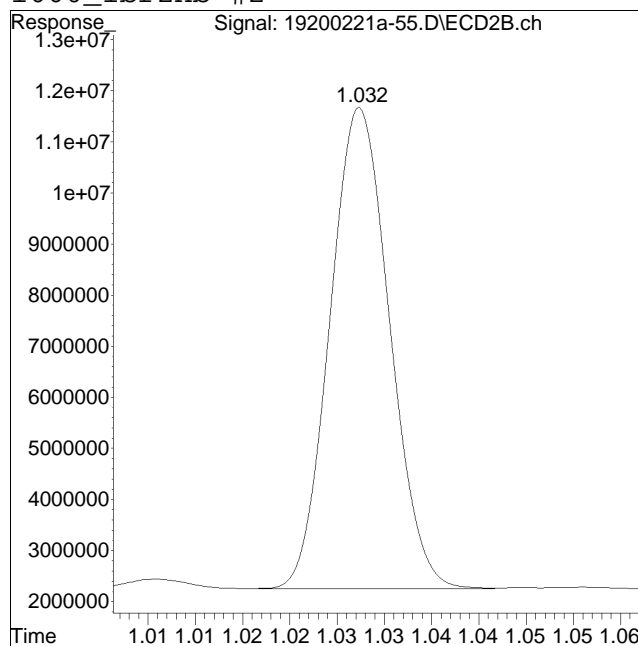
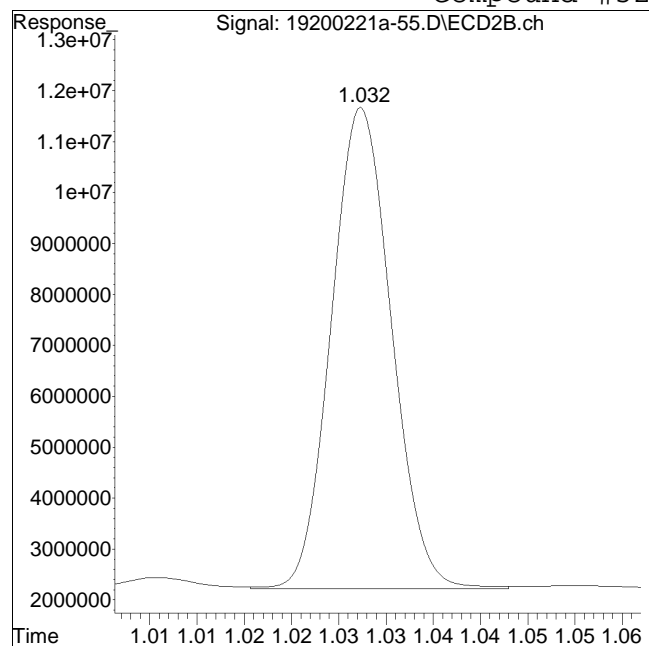
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-55.D
Date Inj'd : 2/21/2020 8:36 pm
Sample : L2007286-06D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:04 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 41952064

Manual Peak Response = 41324102 M4

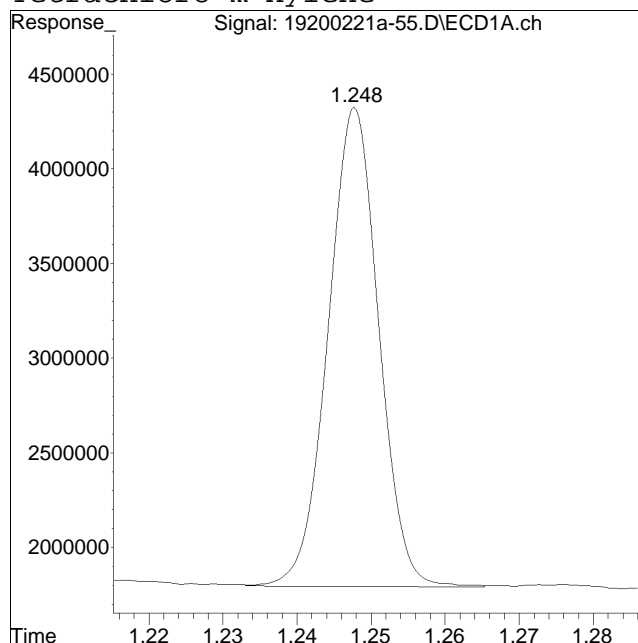
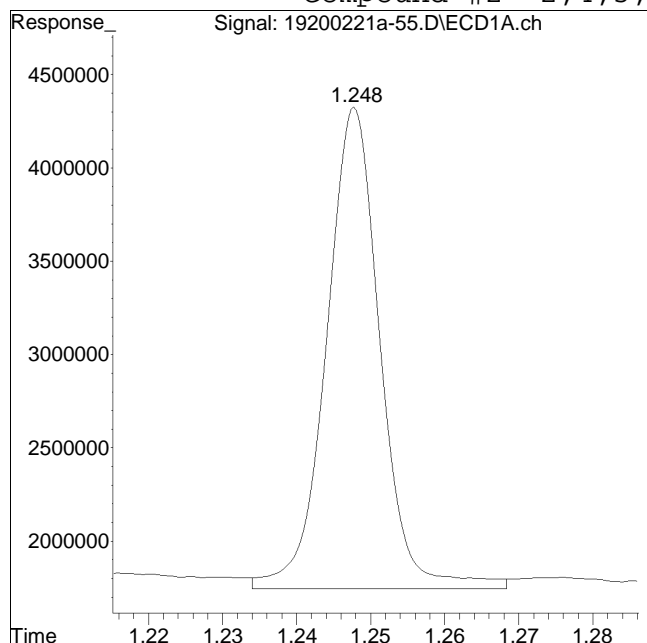
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-55.D
Date Inj'd : 2/21/2020 8:36 pm
Sample : L2007286-06D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:04 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 13055923

Manual Peak Response = 11999740 M4

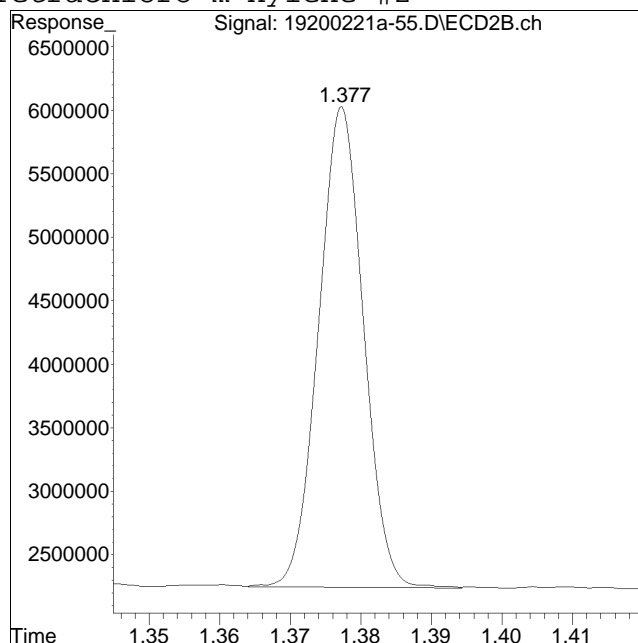
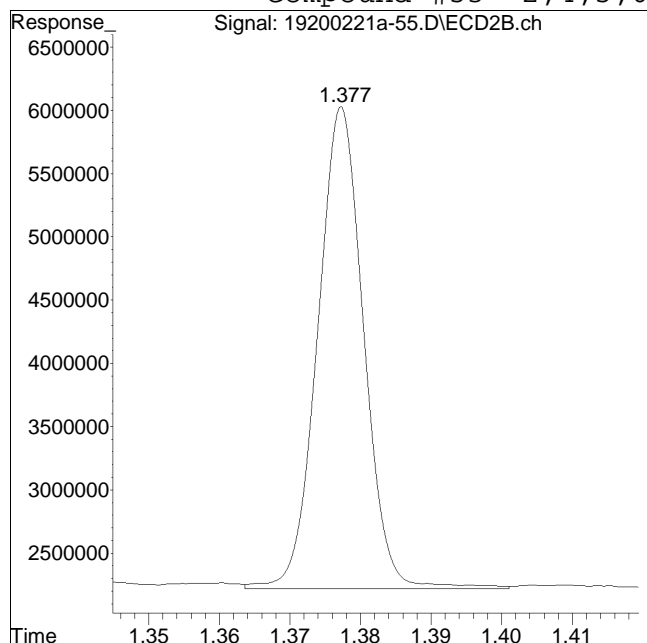
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-55.D
Date Inj'd : 2/21/2020 8:36 pm
Sample : L2007286-06D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:04 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 17306798

Manual Peak Response = 16709126 M4

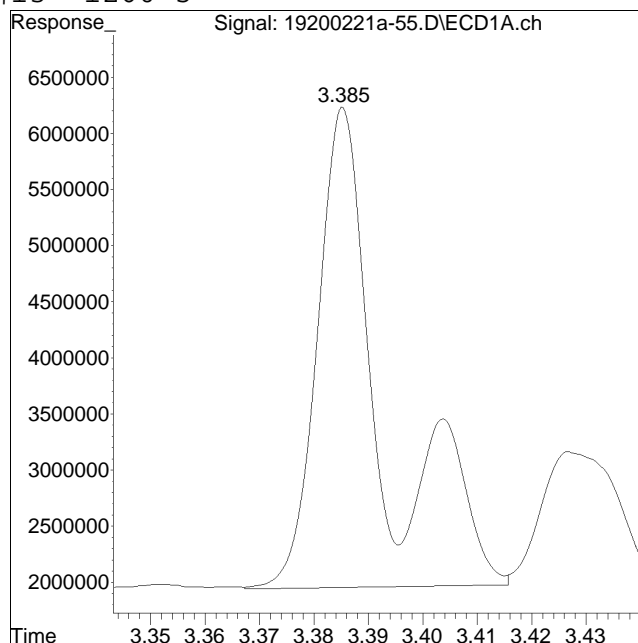
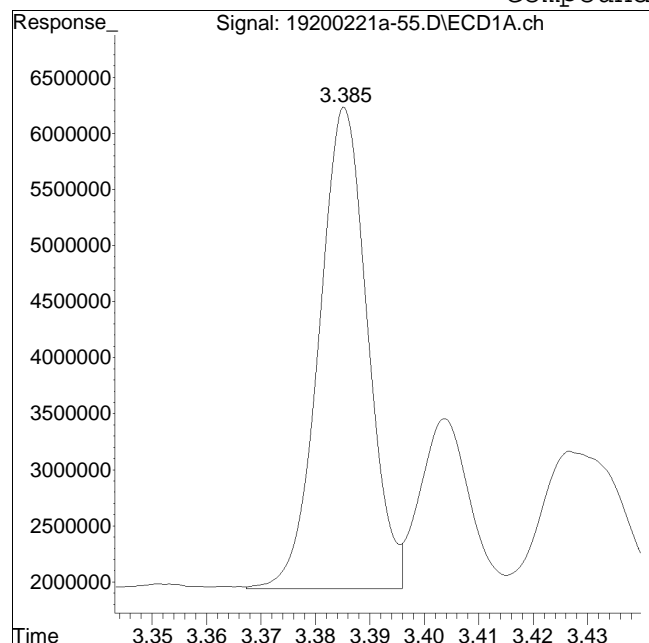
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-55.D
Date Inj'd : 2/21/2020 8:36 pm
Sample : L2007286-06D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:04 am

Compound #13: 1260-5



Original Peak Response = 26444890

Manual Peak Response = 35346205 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-56.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:42 pm
 Operator : pest19:kb
 Sample : L2007286-17D,42e,5,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:08:09 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.033	29912660	43044017	250.000	250.000
Standard Area 1 : #1 = 25536689					Recovery =	117.14%
Standard Area 1 : #2 = 38140815					Recovery =	112.86%
14) i 2154_1br2nb	0.991	1.033	29912660	43044017	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	29912660	43044017	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	29912660	43044017	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	29912660	43044017	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.378	13344407	17612946	85.487	80.115
Spiked Amount 500.000	Range 30 - 150				Recovery =	17.10%# 16.02%#
3) s Decachlorobi	4.005	4.511	10150727	14419272	81.066	77.758
Spiked Amount 500.000	Range 30 - 150				Recovery =	16.21%# 15.55%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	3.057	3.484	36152529	45675241	4686.709	3856.698
12) l2 1260-4	3.227	3.627	76397626	113.2E6	4710.075	4543.715
13) l2 1260-5	3.385	3.839	58262451	79526342	4971.035M1	4593.497
Sum 1260-1			170.8E6	238.4E6	14367.819	12993.910
Average 1260-1					4789.273	4331.303

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-56.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:42 pm
 Operator : pest19:kb
 Sample : L2007286-17D,42e,5,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:08:09 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	2.148	2.501	5529156	12523209	939.225M2	1382.555
19)	14 1254-2	2.275	2.599	11479523	14841749	1119.618M2	1419.079
20)	14 1254-3	2.476	2.867	9867955	20193376	983.870M2	1407.406
21)	14 1254-4	2.619	2.972	8643344	8968154	1098.781M2	854.283M2
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			35519977	56526488	4141.494	5063.324
	Average 1254-1					1035.373	1265.831
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-56.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:42 pm
 Operator : pest19:kb
 Sample : L2007286-17D,42e,5,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:08:09 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-56.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:42 pm
 Operator : pest19:kb
 Sample : L2007286-17D,42e,5,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:08:09 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

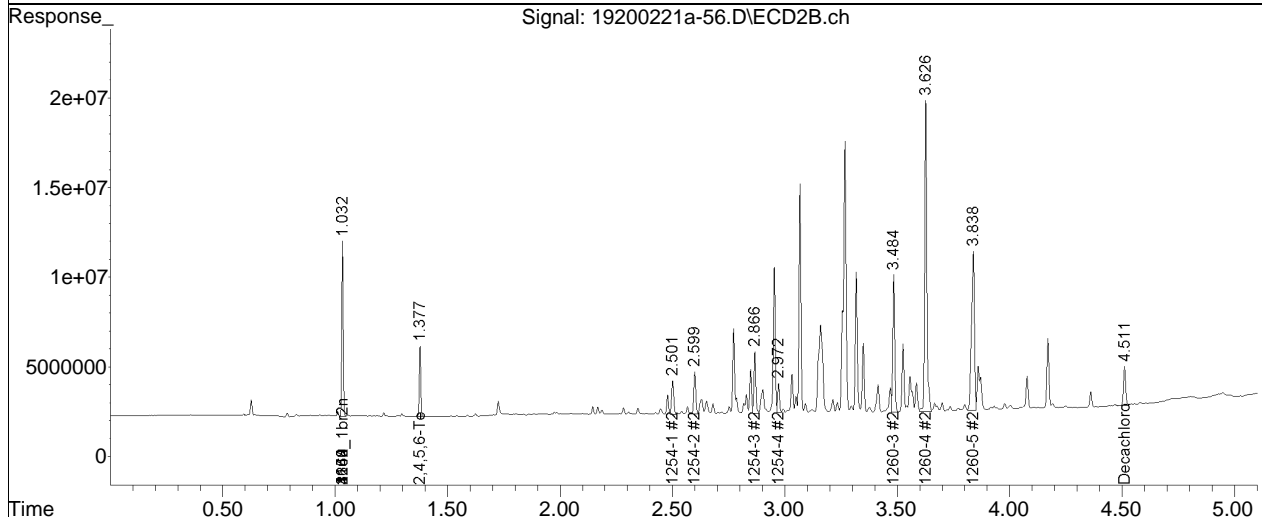
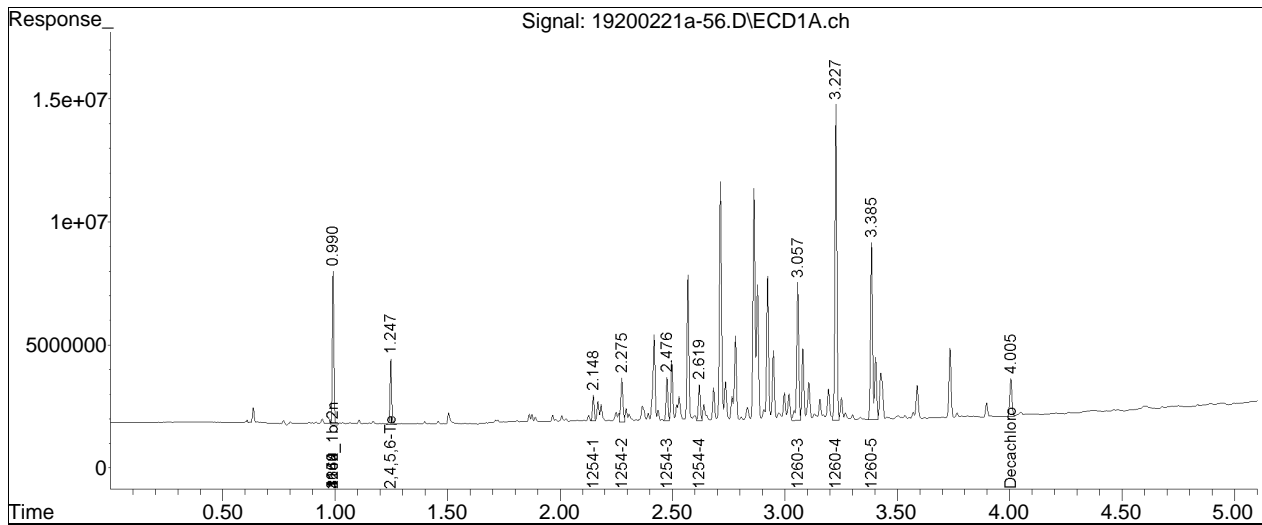
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200221a\
Data File : 19200221a-56.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 08:42 pm
Operator : pest19:kb
Sample : L2007286-17D,42e,5,
Misc : wg1343090,wg1342440,ical16321
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 24 11:08:09 2020
Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

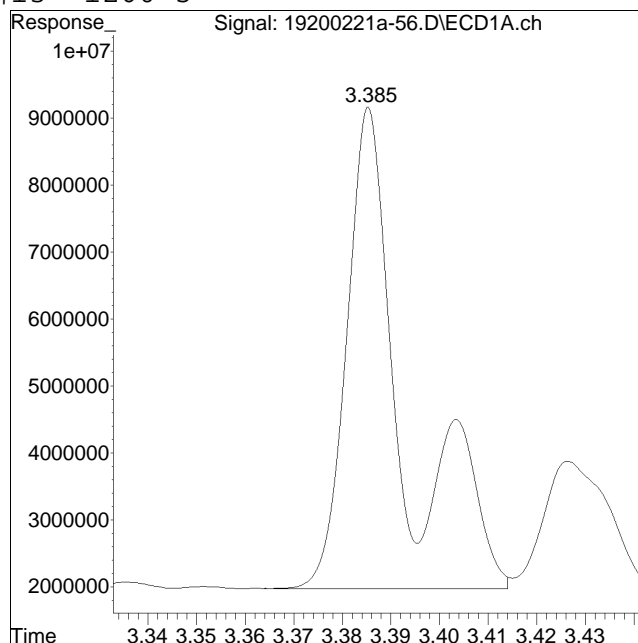
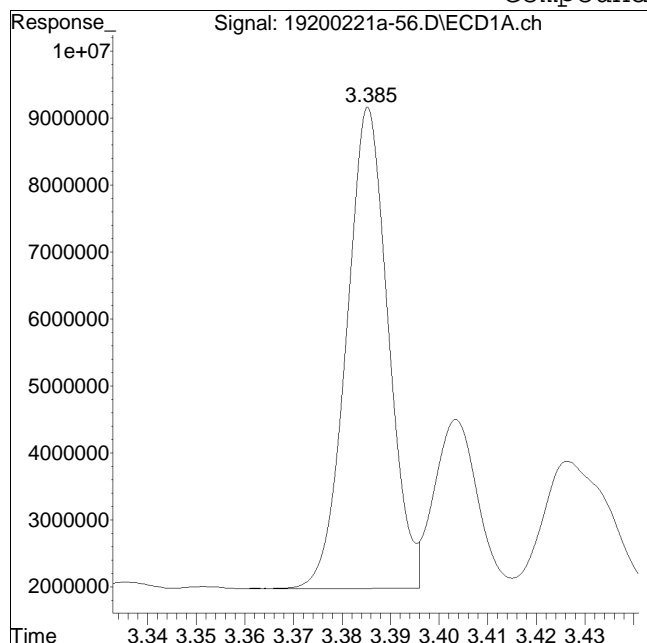


Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-56.D
Date Inj'd : 2/21/2020 8:42 pm
Sample : L2007286-17D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:05 am

Compound #13: 1260-5



Original Peak Response = 42695267

Manual Peak Response = 58262451 M1

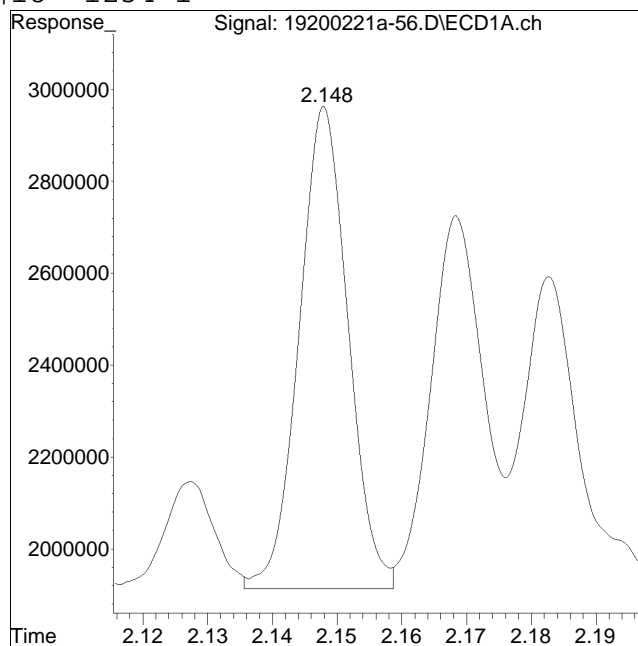
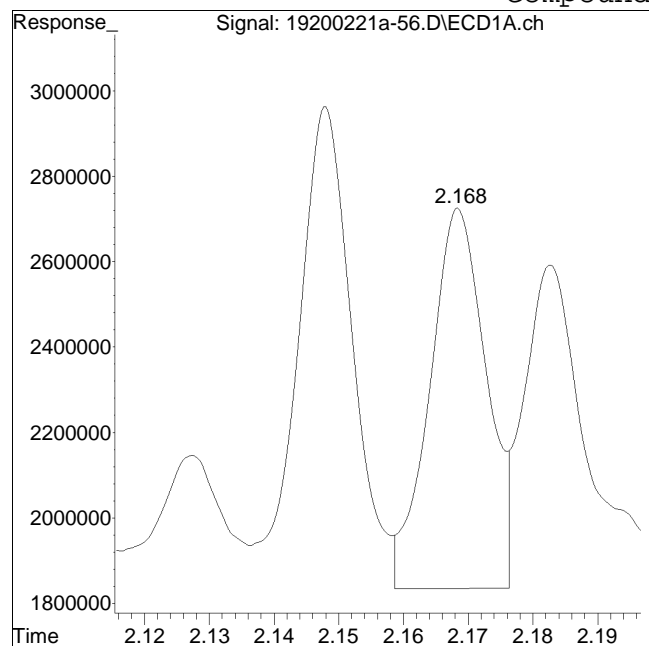
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-56.D
Date Inj'd : 2/21/2020 8:42 pm
Sample : L2007286-17D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:05 am

Compound #18: 1254-1



Original Peak Response = 5371394

Manual Peak Response = 5529156 M2

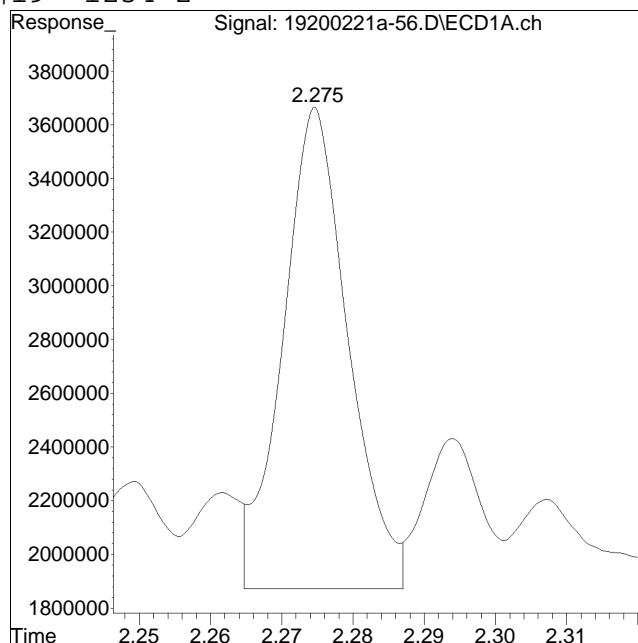
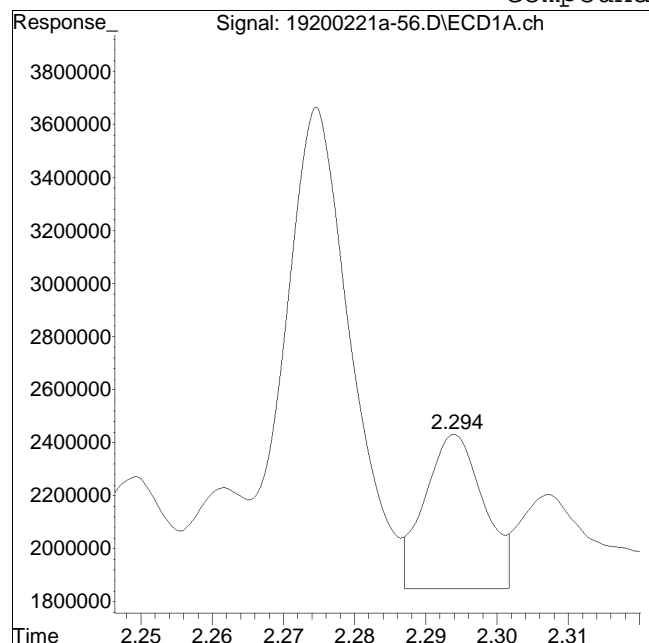
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-56.D
Date Inj'd : 2/21/2020 8:42 pm
Sample : L2007286-17D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:05 am

Compound #19: 1254-2



Original Peak Response = 3352347

Manual Peak Response = 11479523 M2

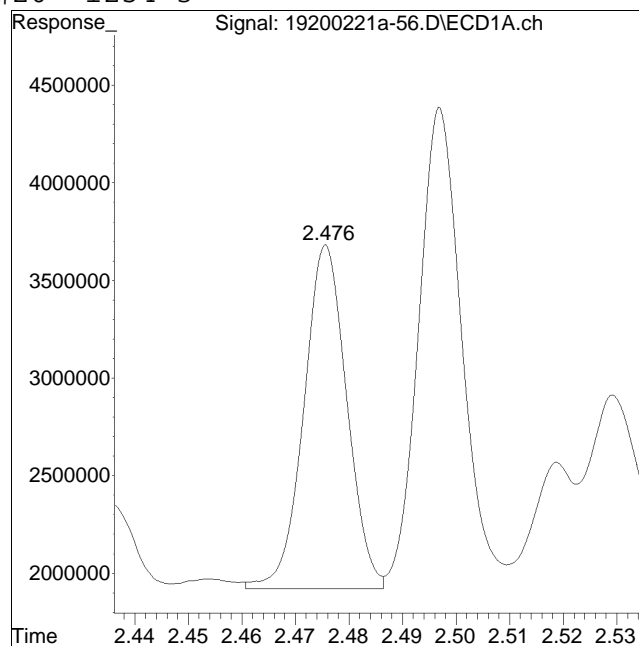
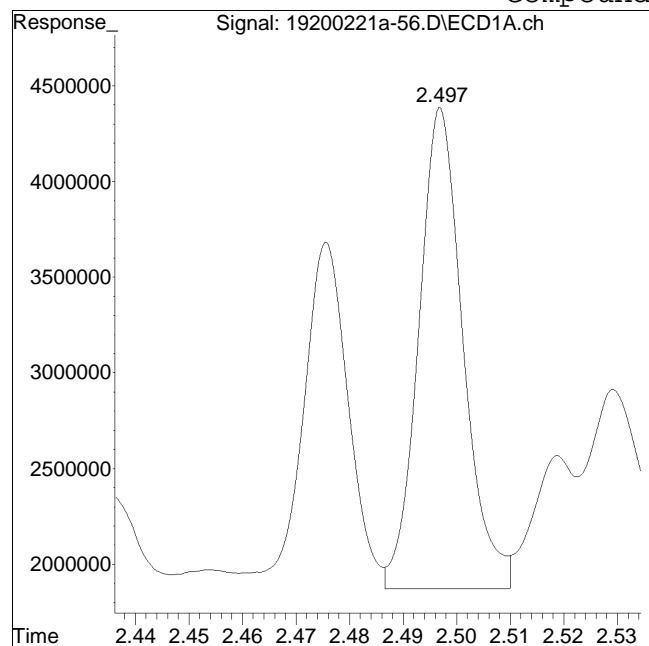
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-56.D
Date Inj'd : 2/21/2020 8:42 pm
Sample : L2007286-17D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:05 am

Compound #20: 1254-3



Original Peak Response = 14430058

Manual Peak Response = 9867955 M2

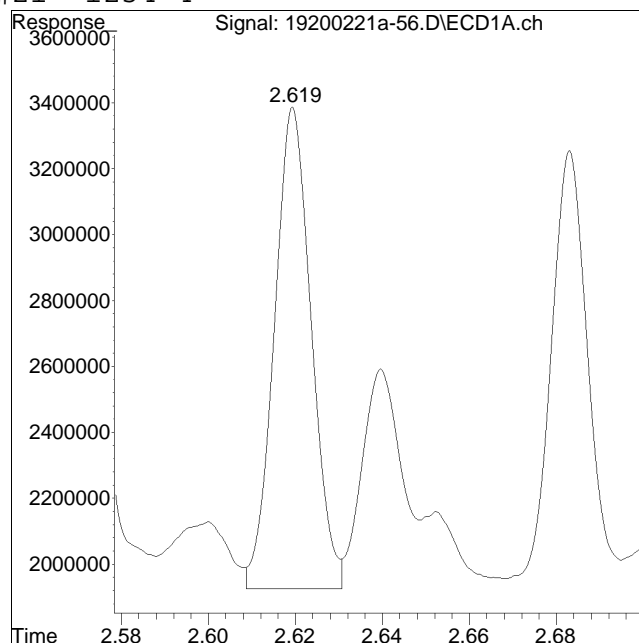
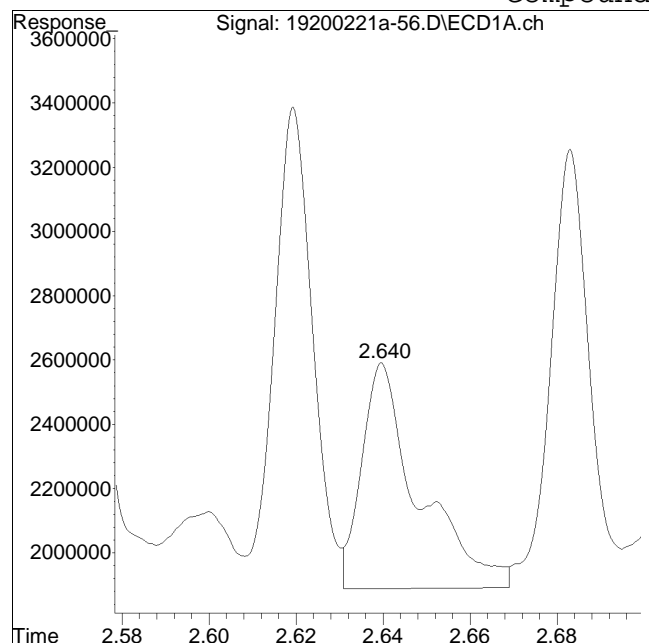
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-56.D
Date Inj'd : 2/21/2020 8:42 pm
Sample : L2007286-17D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:05 am

Compound #21: 1254-4



Original Peak Response = 6403735

Manual Peak Response = 8643344 M2

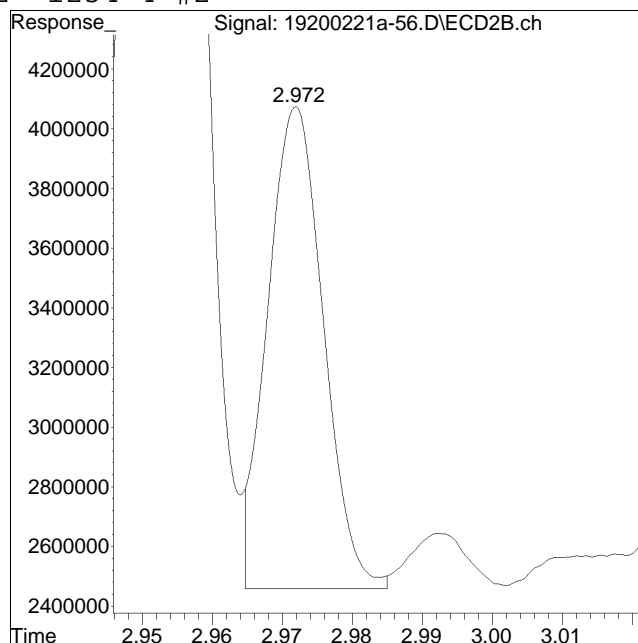
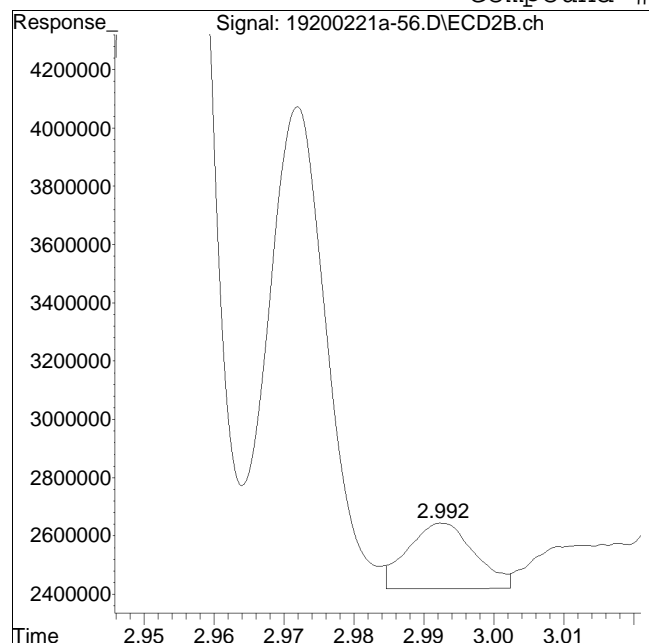
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-56.D
Date Inj'd : 2/21/2020 8:42 pm
Sample : L2007286-17D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:05 am

Compound #72: 1254-4 #2



Original Peak Response = 1500442

Manual Peak Response = 8968154 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-57.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:49 pm
 Operator : pest19:kb
 Sample : L2007286-18D,42e,5,
 Misc : wg1343090,wg1342440,ical16321
 ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:12:27 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.033	30370911	43274807	250.000	250.000
Standard Area 1 : #1 = 25536689					Recovery =	118.93%
Standard Area 1 : #2 = 38140815					Recovery =	113.46%
14) i 2154_1br2nb	0.991	1.033	30370911	43274807	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	30370911	43274807	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	30370911	43274807	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	30370911	43274807	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.378	12667525	17492514	79.926	79.142
Spiked Amount 500.000	Range 30 - 150				Recovery =	15.99%# 15.83%#
3) s Decachlorobi	4.005	4.512	8875566	14141170	69.813	75.851
Spiked Amount 500.000	Range 30 - 150				Recovery =	13.96%# 15.17%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	3.057	3.485	30090778	38373661	3842.023	3222.891
12) l2 1260-4	3.227	3.627	64800260	93885236	3934.793	3747.046
13) l2 1260-5	3.384	3.838	48296320	66873198	4058.536M1	3842.043
Sum 1260-1			143.2E6	199.1E6	11835.352	10811.980
Average 1260-1					3945.117	3603.993

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-57.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:49 pm
 Operator : pest19:kb
 Sample : L2007286-18D,42e,5,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:12:27 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	2.148	2.502	4853002	14839906	811.930M2	1629.580
19) 14	1254-2	2.274	2.600	11463035	15691363	1101.141M2	1492.313
20) 14	1254-3	2.475	2.867	10069237	16595350	988.791M2	1150.468
21) 14	1254-4	2.619	2.972	8723384	11033687	1092.224M2	1045.435M2
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			35108659	58160306	3994.085	5317.796
	Average 1254-1					998.521	1329.449
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-57.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:49 pm
 Operator : pest19:kb
 Sample : L2007286-18D,42e,5,
 Misc : wg1343090,wg1342440,ical16321
 ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:12:27 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-57.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:49 pm
 Operator : pest19:kb
 Sample : L2007286-18D,42e,5,
 Misc : wgl1343090,wgl1342440,ical16321
 ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 11:12:27 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

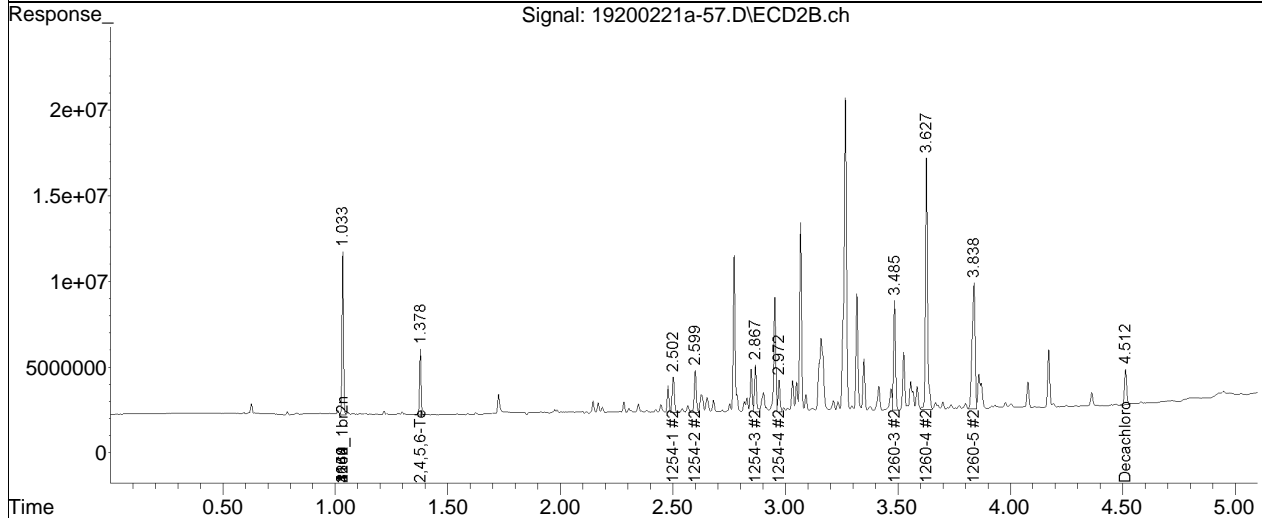
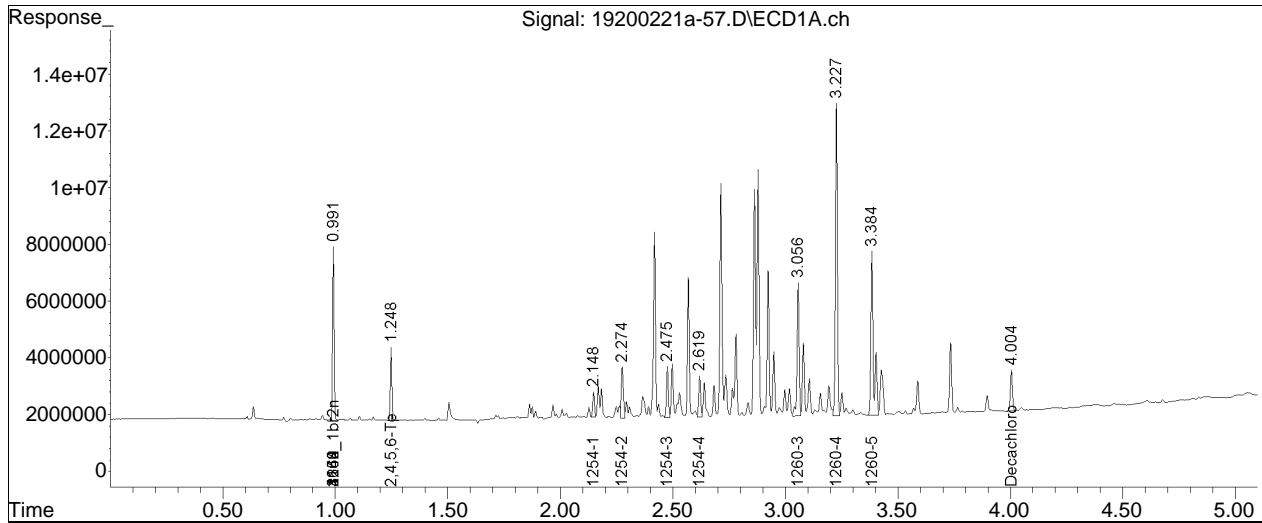
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200221a\
Data File : 19200221a-57.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 08:49 pm
Operator : pest19:kb
Sample : L2007286-18D,42e,5,
Misc : wg1343090,wg1342440,ical16321
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 24 11:12:27 2020
Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

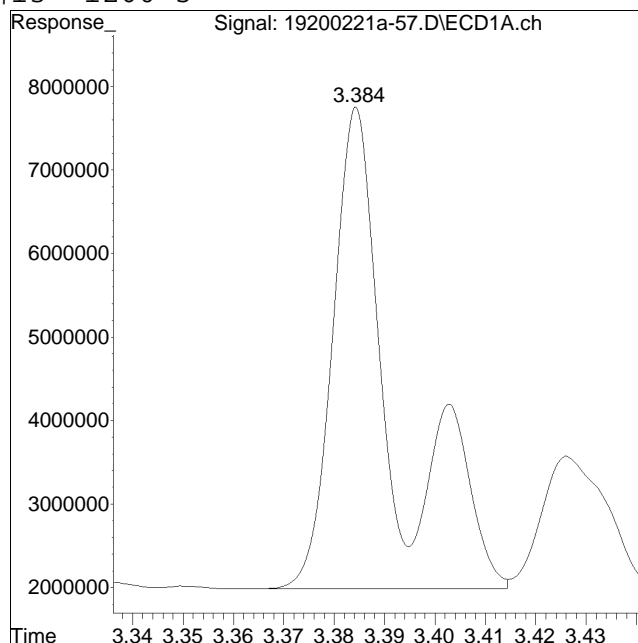
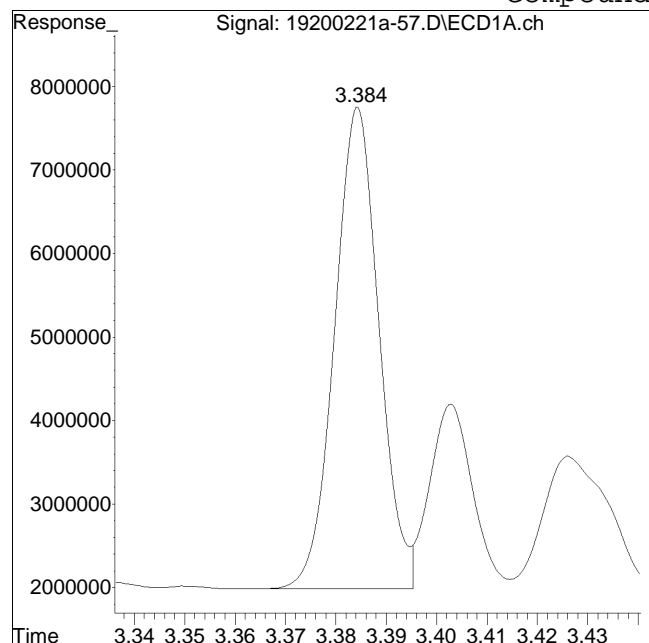


Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-57.D
Date Inj'd : 2/21/2020 8:49 pm
Sample : L2007286-18D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:10 am

Compound #13: 1260-5



Original Peak Response = 35146874

Manual Peak Response = 48296320 M1

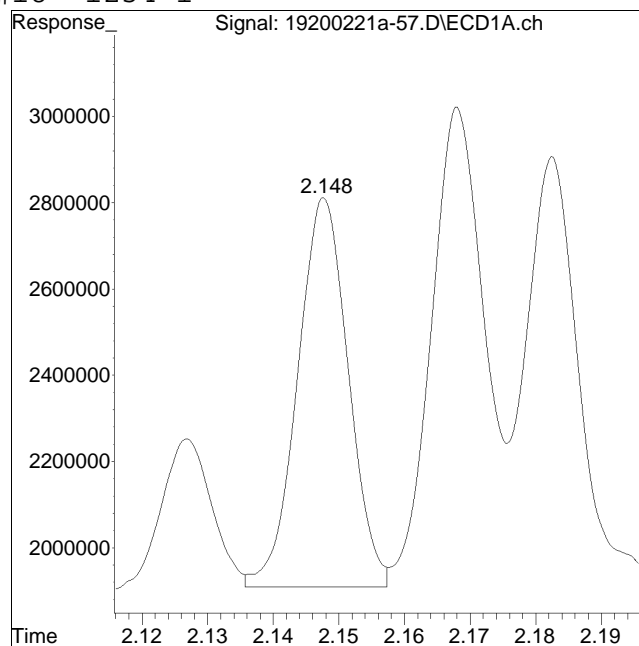
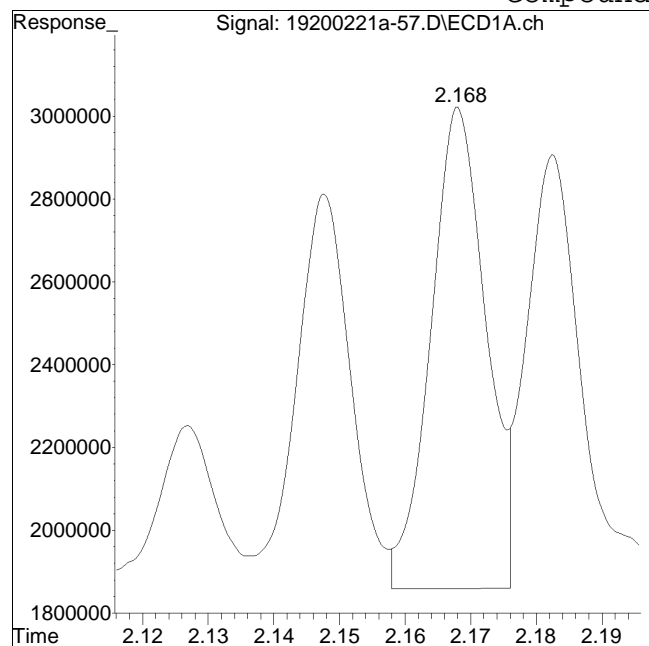
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-57.D
Date Inj'd : 2/21/2020 8:49 pm
Sample : L2007286-18D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:10 am

Compound #18: 1254-1



Original Peak Response = 6688652

Manual Peak Response = 4853002 M2

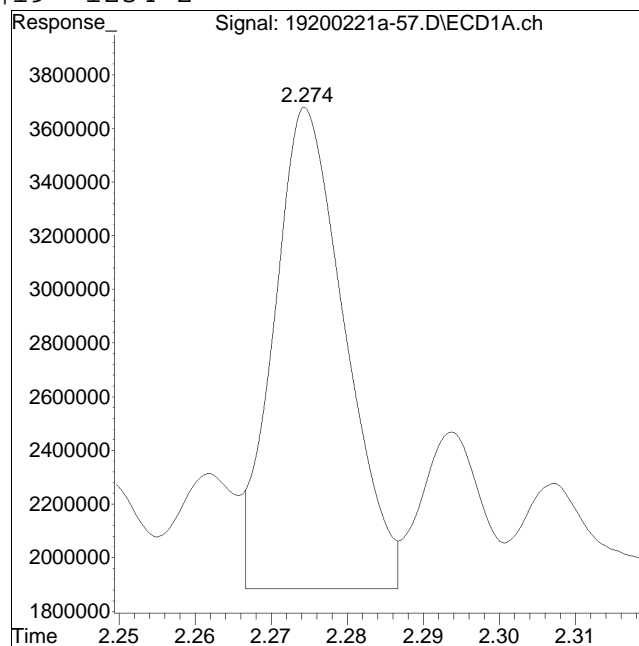
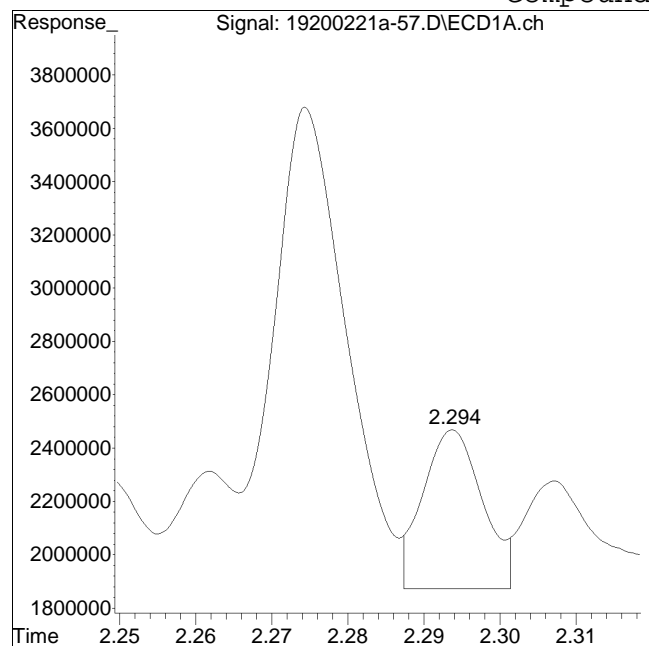
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-57.D
Date Inj'd : 2/21/2020 8:49 pm
Sample : L2007286-18D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:10 am

Compound #19: 1254-2



Original Peak Response = 3252384

Manual Peak Response = 11463035 M2

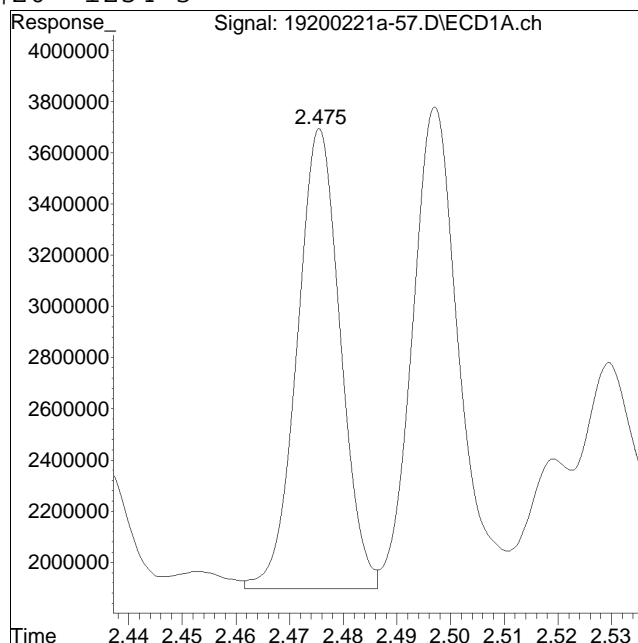
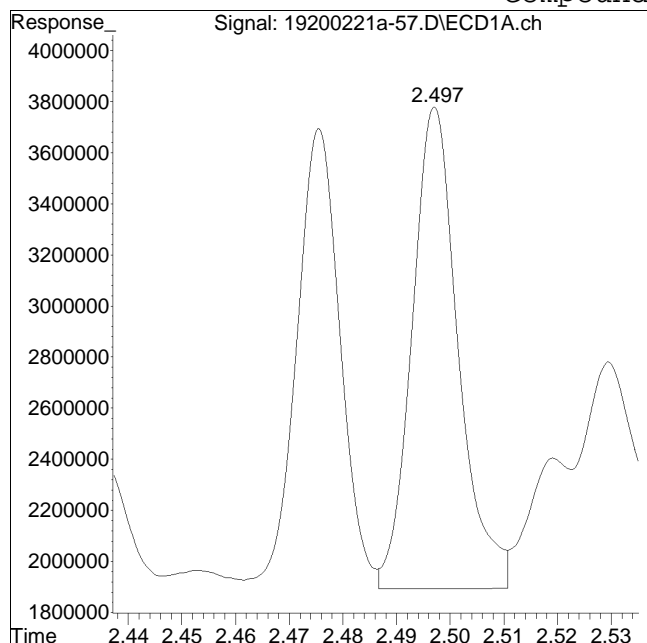
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-57.D
Date Inj'd : 2/21/2020 8:49 pm
Sample : L2007286-18D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:10 am

Compound #20: 1254-3



Original Peak Response = 11263798

Manual Peak Response = 10069237 M2

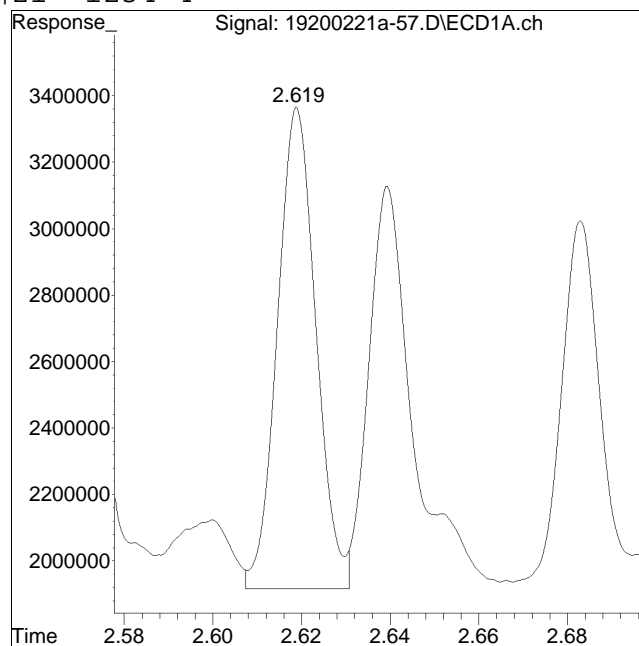
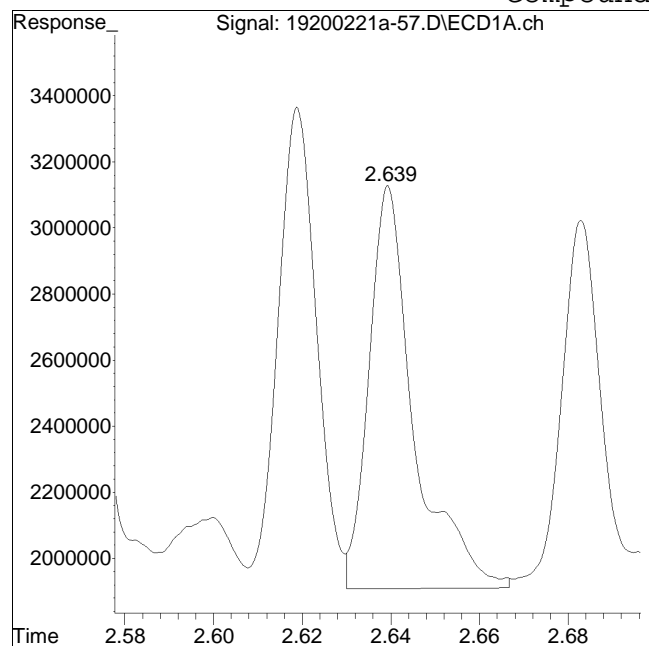
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-57.D
Date Inj'd : 2/21/2020 8:49 pm
Sample : L2007286-18D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:10 am

Compound #21: 1254-4



Original Peak Response = 8619559

Manual Peak Response = 8723384 M2

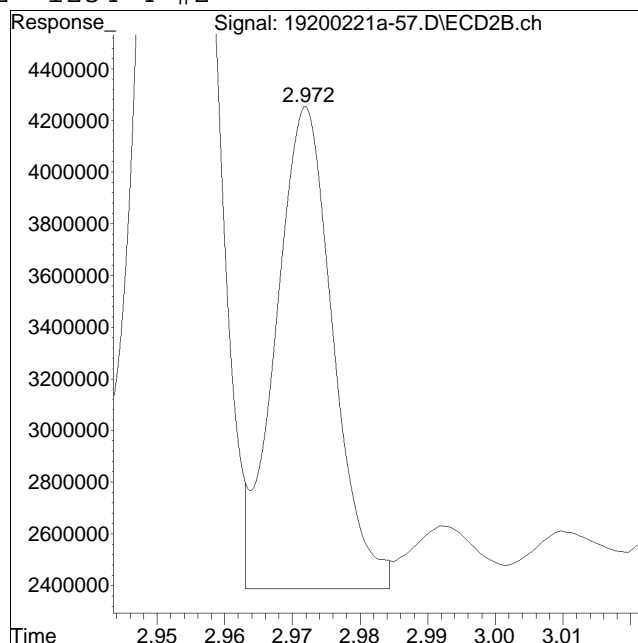
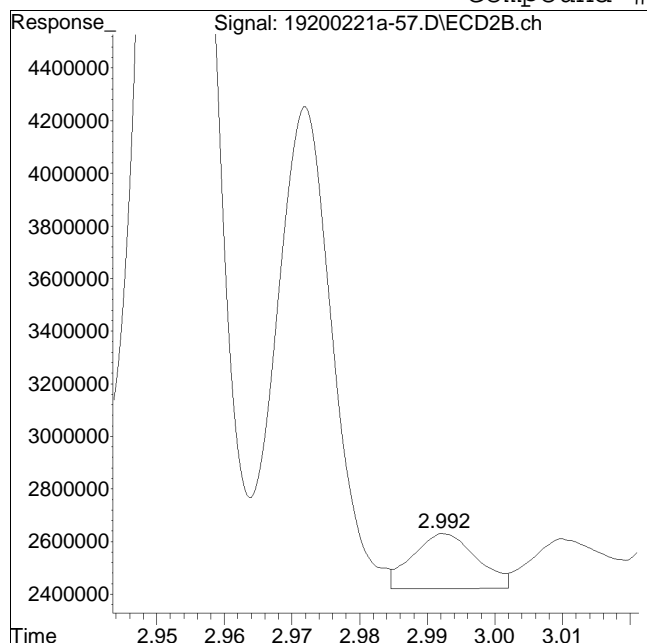
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-57.D
Date Inj'd : 2/21/2020 8:49 pm
Sample : L2007286-18D,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:10 am

Compound #72: 1254-4 #2



Original Peak Response = 1381231

Manual Peak Response = 11033687 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-58.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:56 pm
 Operator : pest19:kb
 Sample : L2007286-28d,42e,20, (Sig #1); L2007206-28d,42e,20, (Sig #2)
 Misc : wgl1343090,wgl1342270,ical16321
 ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 14:29:25 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.033	31805022	46314123	250.000	250.000
Standard Area 1 : #1 = 25536689					Recovery =	124.55%
Standard Area 1 : #2 = 38140815					Recovery =	121.43%
14) i 2154_1br2nb	0.991	1.033	31805022	46314123	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	31805022	46314123	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	31805022	46314123	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	31805022	46314123	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.570	2.953	14467344	21062805	1725.923M4	1690.610
10) l2 1260-2	2.714	3.067	34327774	40730650	2723.625	2786.007
11) l2 1260-3	3.058	3.485	29289067	38110226	3571.036	2990.719
12) l2 1260-4	3.228	3.627	84552506	117.0E6	4902.683	4362.192
13) l2 1260-5	3.386	3.838	65018612	89009394	5217.412M1	4778.237
Sum 1260-1			227.7E6	305.9E6	18140.678	16607.765
Average 1260-1					3628.136	3321.553

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-58.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:56 pm
 Operator : pest19:kb
 Sample : L2007286-28d,42e,20, (Sig #1); L2007206-28d,42e,20, (Sig #2)
 Misc : wgl1343090,wgl1342270,ical16321
 ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 14:29:25 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D.	N.D.
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200221a\
 Data File : 19200221a-58.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 08:56 pm
 Operator : pest19:kb
 Sample : L2007286-28d,42e,20, (Sig #1); L2007206-28d,42e,20, (Sig #2)
 Misc : wgl1343090,wgl1342270,icall16321
 ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 14:29:25 2020
 Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200221a\19200221a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D.	N.D.
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

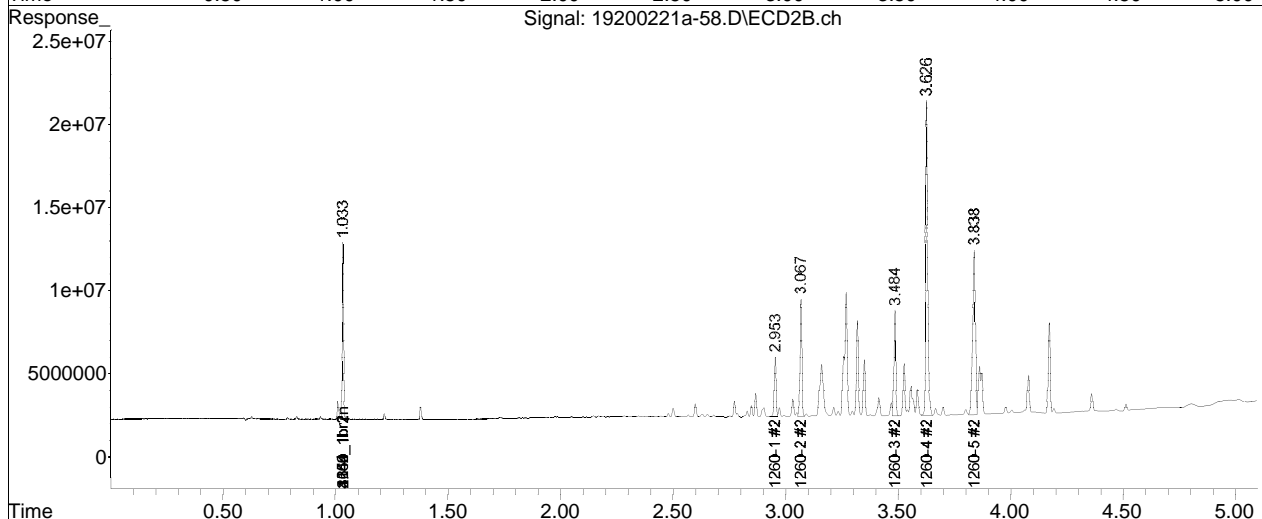
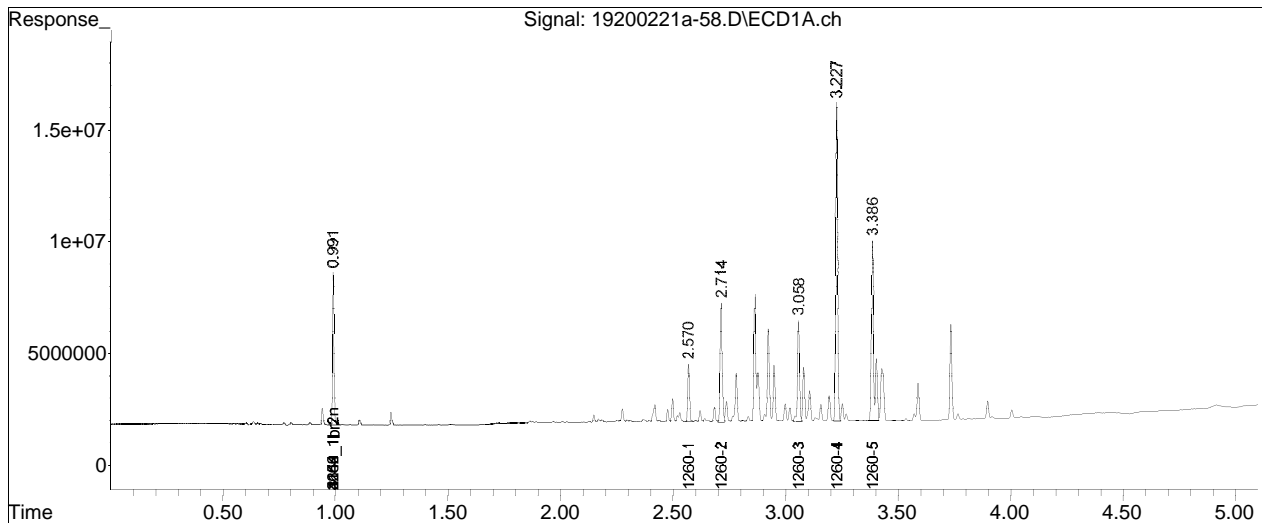
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200221a\
Data File : 19200221a-58.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 08:56 pm
Operator : pest19:kb
Sample : L2007286-28d,42e,20, (Sig #1); L2007206-28d,42e,20, (Sig #2)
Misc : wg1343090,wg1342270,ical16321
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 14:29:25 2020
Quant Method : I:\Pest19\200221a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

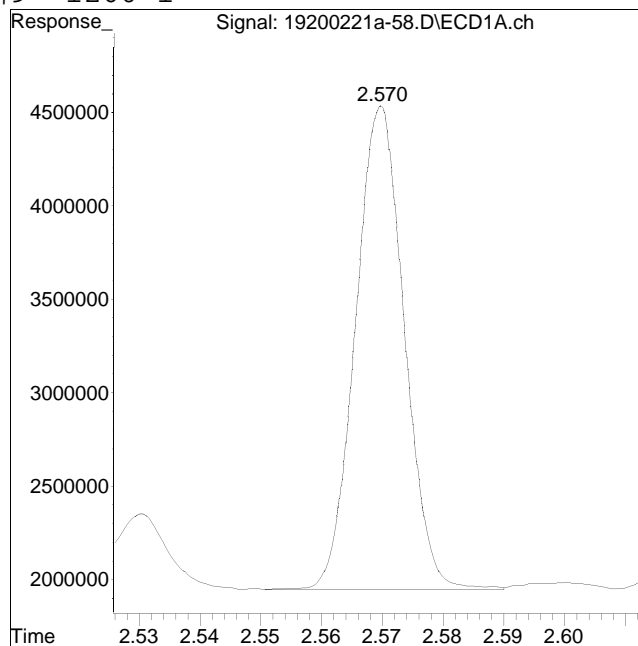
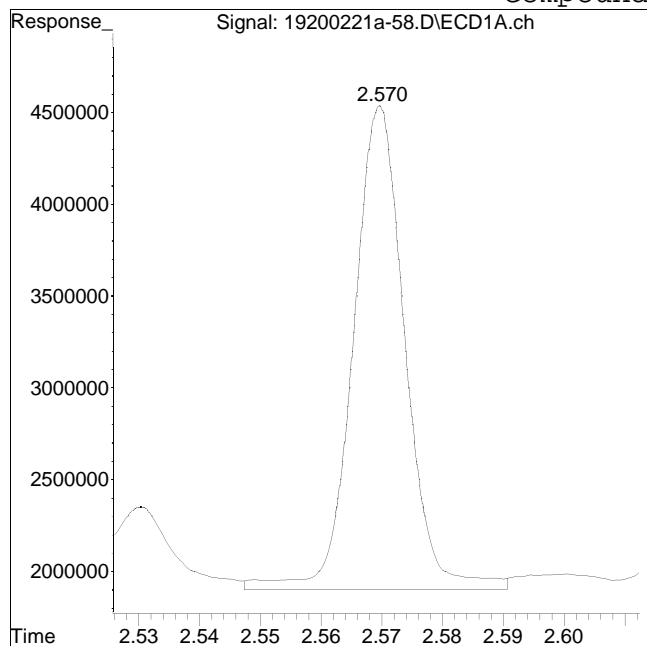


Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-58.D
Date Inj'd : 2/21/2020 8:56 pm
Sample : L2007286-28d,42e,20,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:12 am

Compound #9: 1260-1



Original Peak Response = 15608397

Manual Peak Response = 14467344 M4

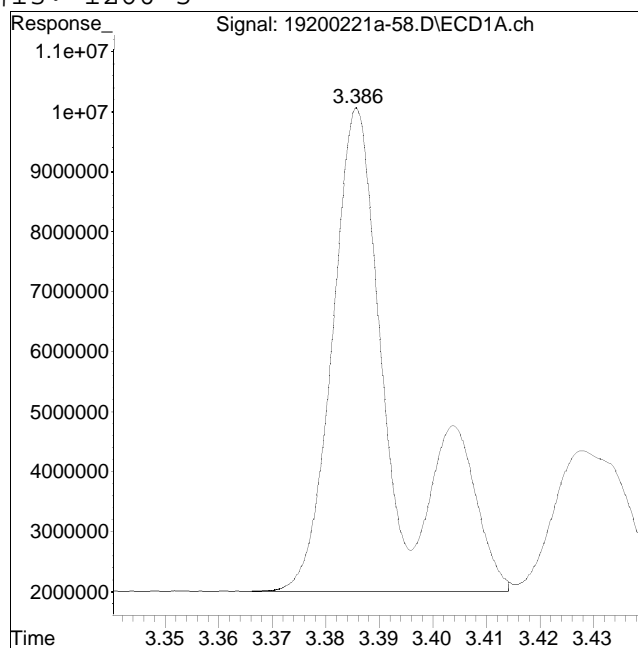
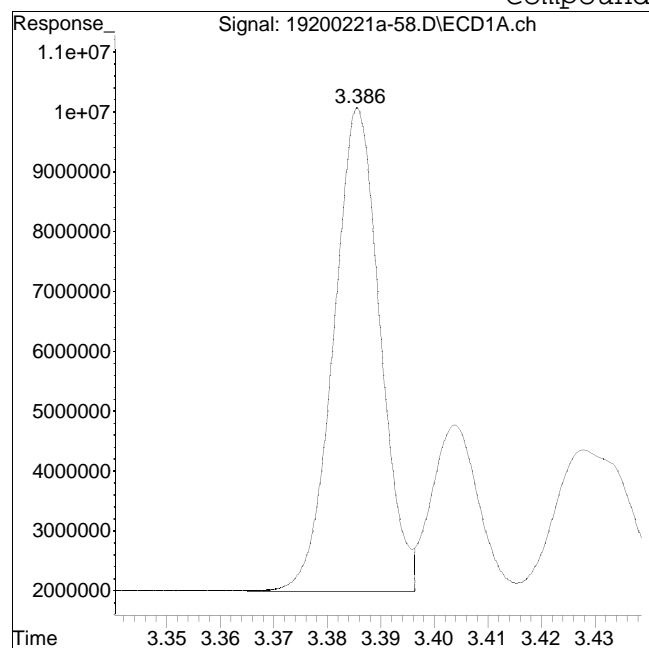
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200221a\
Data File : 19200221a-58.D
Date Inj'd : 2/21/2020 8:56 pm
Sample : L2007286-28d,42e,20,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:kb
Instrument : Pest 19
Quant Date : 2/24/2020 11:12 am

Compound #13: 1260-5



Original Peak Response = 48704091

Manual Peak Response = 65018612 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200220A\
 Data File : P2200220a-26.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 21 Feb 2020 2:25 am
 Operator : pest2:ad
 Sample : l2007286-29,42e,,
 Misc : wgl342673,wgl341993,ical16010
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 21:52:28 2020
 Quant Method : I:\Pest2\200220A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1)	i 1660_1br2nb	2.102	2.291	96290739	66347903	25.000M4	25.000
14)	i 2154_1br2nb	2.102	2.291	96290739	66347903	25.000M4	25.000
23)	i 4268_1br2nb	2.102	2.291	96290739	66347903	25.000M4	25.000
34)	i 1248_1br2nb	2.102	2.291	96290739	66347903	25.000M4	25.000
40)	i 3262_1br2nb	2.102	2.291	96290739	66347903	25.000M4	25.000
System Monitoring Compounds							
2)	s 2,4,5,6-Tetr	2.582	2.934	55663788	39488064	14.089	14.125
	Spiked Amount	20.000	Range	30 - 150	Recovery =	70.45%	70.63%
3)	s Decachlorobi	6.577	7.280	54482991	36585240	14.365M4	16.741
	Spiked Amount	20.000	Range	30 - 150	Recovery =	71.83%	83.70%
Target Compounds							
4)	l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5)	l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6)	l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7)	l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8)	l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9)	l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10)	l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11)	l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12)	l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13)	l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15)	l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200220A\
 Data File : P2200220a-26.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 21 Feb 2020 2:25 am
 Operator : pest2:ad
 Sample : l2007286-29,42e,,
 Misc : wgl342673,wgl341993,ical16010
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 21:52:28 2020
 Quant Method : I:\Pest2\200220A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200220A\
 Data File : P2200220a-26.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 21 Feb 2020 2:25 am
 Operator : pest2:ad
 Sample : l2007286-29,42e,,
 Misc : wgl342673,wgl341993,ical16010
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 21:52:28 2020
 Quant Method : I:\Pest2\200220A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

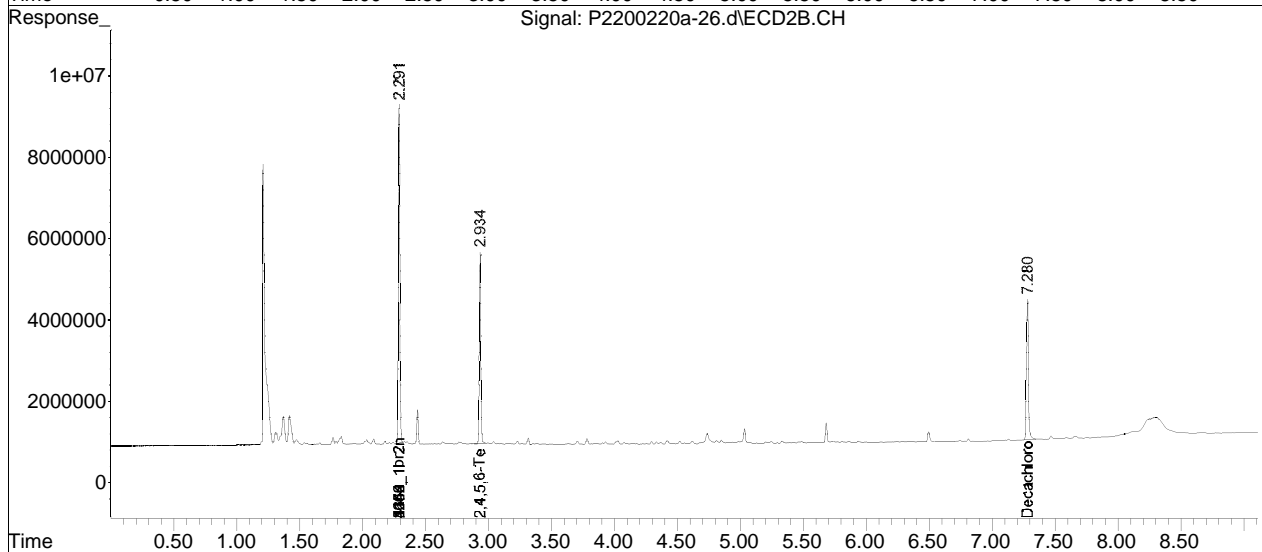
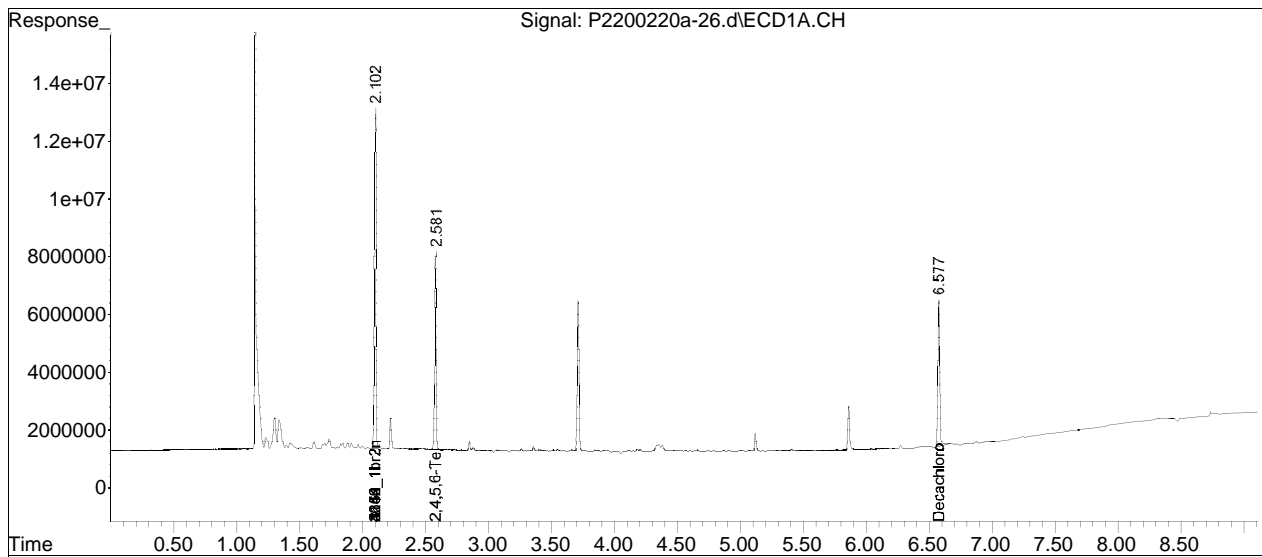
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 25% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest2\200220A\
Data File : P2200220a-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Feb 2020 2:25 am
Operator : pest2:ad
Sample : l2007286-29,42e,,
Misc : wg1342673,wg1341993,ical16010
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 24 21:52:28 2020
Quant Method : I:\Pest2\200220A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

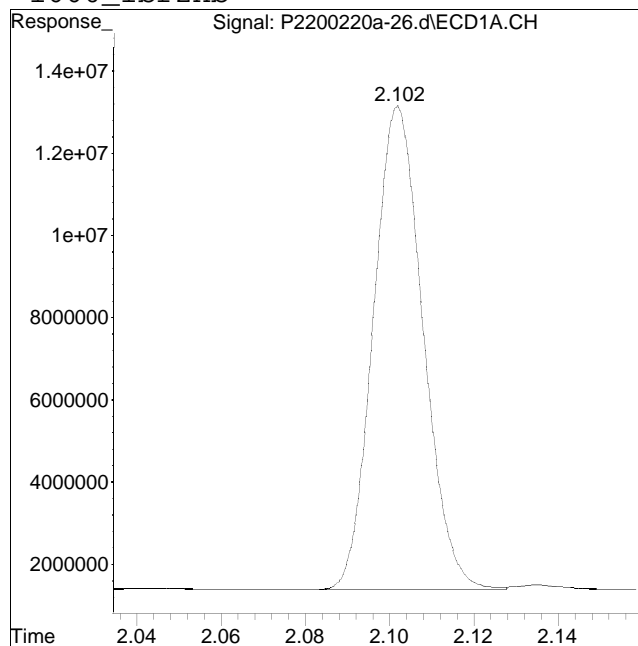
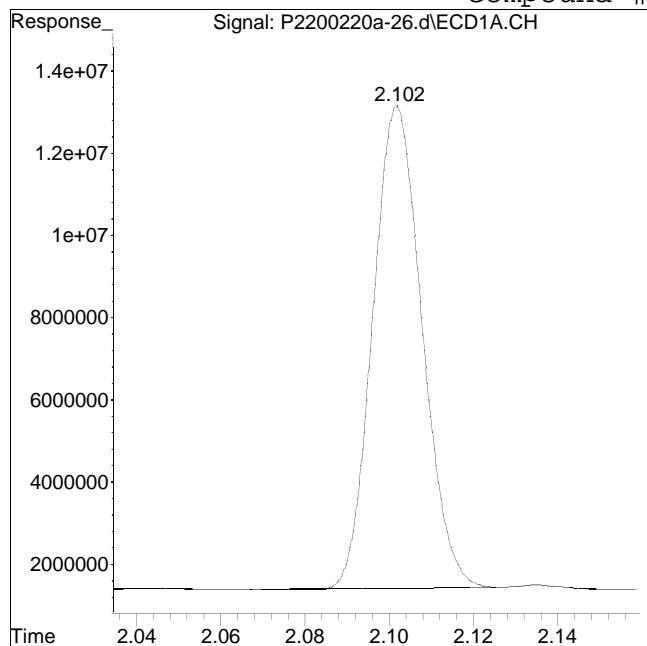


Manual Integration Report

Data Path : I:\Pest2\200220A\
Data File : P2200220a-26.d
Date Inj'd : 2/21/2020 2:25 am
Sample : 12007286-29,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/24/2020 9:48 pm

Compound #1: 1660_1br2nb



Original Peak Response = 95165114

Manual Peak Response = 96290739 M4

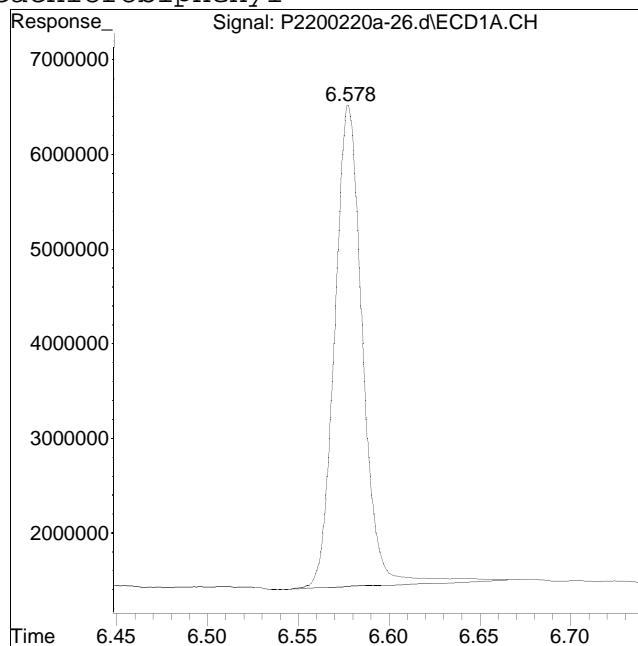
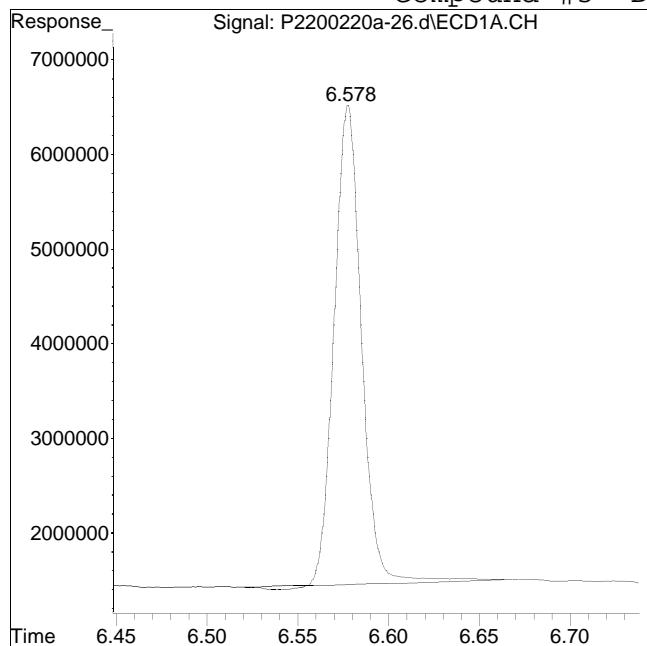
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200220A\
Data File : P2200220a-26.d
Date Inj'd : 2/21/2020 2:25 am
Sample : 12007286-29,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/24/2020 9:48 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 52865310

Manual Peak Response = 54482991 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 06:31 pm
 Operator : pest21:cw
 Sample : l2007286-09d,42e,5,p
 Misc : wg1344944,wg1344813,ical16334 (Sig #1); wg1344944,wg1344821,ical16334 (Sig #2)
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 12:46:40 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.099	2.200	183.4E6	340.8E6	250.000M4	250.000
Standard Area 1 : #1 = 156285799					Recovery =	117.33%
Standard Area 1 : #2 = 285112298					Recovery =	119.54%
14) i 2154_1br2nb	2.099	2.200	183.4E6	340.8E6	250.000M4	250.000
23) i 4268_1br2nb	2.099	2.200	183.4E6	340.8E6	250.000M4	250.000
34) i 1248_1br2nb	2.099	2.200	183.4E6	340.8E6	250.000M4	250.000
40) i 3262_1br2nb	2.099	2.200	183.4E6	340.8E6	250.000M4	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.590	2.836	34434140	66544403	45.178	46.928
Spiked Amount 500.000	Range 30 - 150				Recovery =	9.04%#
3) s Decachlorobi	6.630f	7.266f	26905084	39883475	43.085	40.950M3
Spiked Amount 500.000	Range 30 - 150				Recovery =	8.62%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	5.475f	6.046	33401793	58509599	905.657	862.850M3
12) l2 1260-4	5.690f	6.213f	76219836	135.2E6	974.785M1	962.753
13) l2 1260-5	5.888f	6.469f	58580824	95387343	1048.492	1003.679M4
Sum 1260-1			168.2E6	289.1E6	2928.934	2829.283

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 06:31 pm
 Operator : pest21:cw
 Sample : l2007286-09d,42e,5,p
 Misc : wg1344944,wg1344813,ical16334 (Sig #1); wg1344944,wg1344821,ical16334 (Sig #2)
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 12:46:40 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					976.311	943.094
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	4.162	4.742	15891987	61937963	533.597M3	1030.830
19) 14 1254-2	4.363	4.881	59920689	76440454	1172.079M3	1067.704
20) 14 1254-3	4.671	5.234	66586108	125.1E6	1215.579M3	1295.518
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			142.4E6	263.4E6	2921.254	3394.051
Average 1254-1					973.751	1131.350
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 06:31 pm
 Operator : pest21:cw
 Sample : l2007286-09d,42e,5,p
 Misc : wg1344944,wg1344813,ical16334 (Sig #1); wg1344944,wg1344821,ical16334 (Sig #2)
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 12:46:40 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 06:31 pm
 Operator : pest21:cw
 Sample : l2007286-09d,42e,5,p
 Misc : wg1344944,wg1344813,ical16334 (Sig #1); wg1344944,wg1344821,ical16334 (Sig #2)
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 12:46:40 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

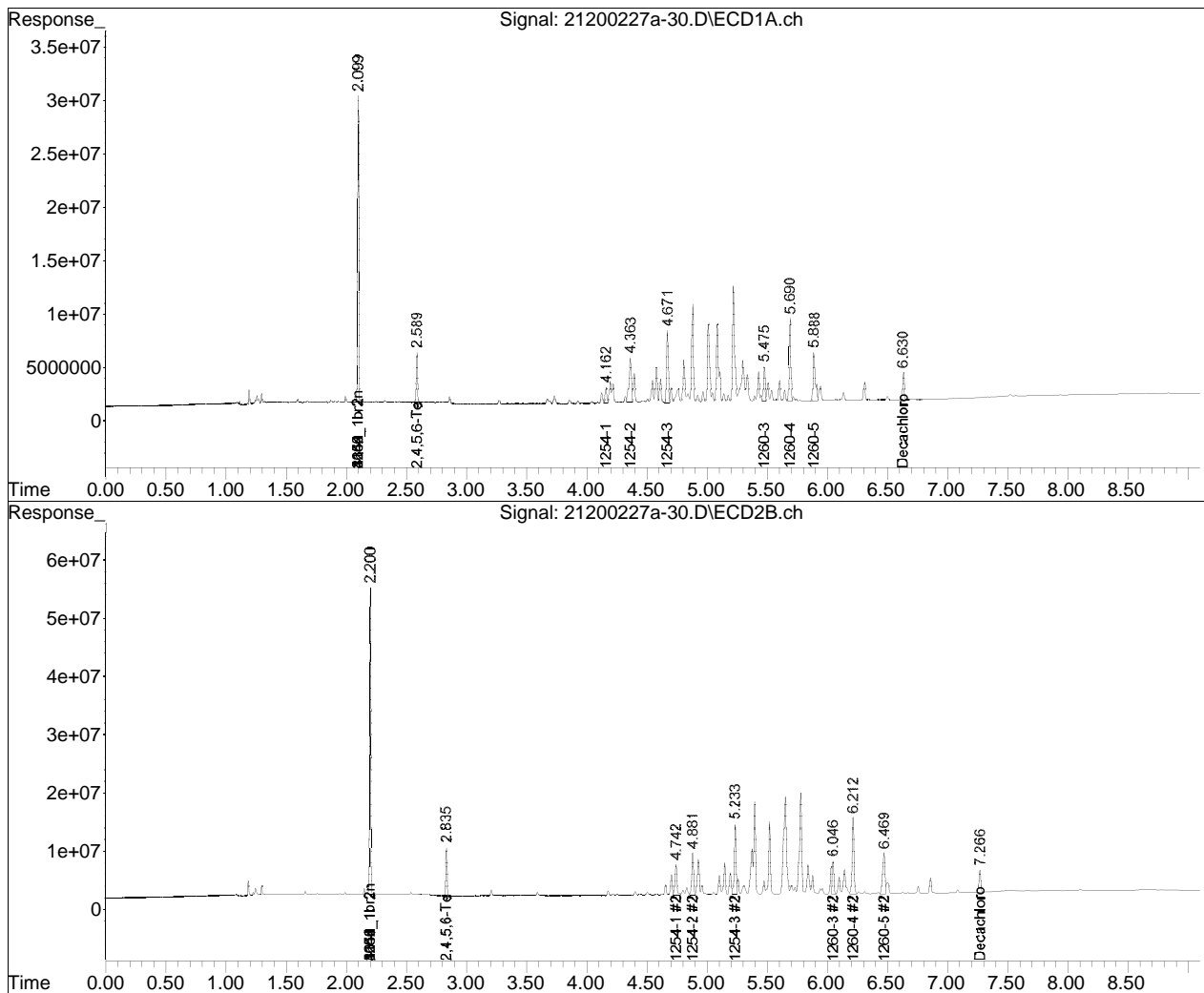
Sub List : Default - All compounds listed27a\21200227a-23.D**

Data Path : I:\Pest21\data\2020\21200227a\
Data File : 21200227a-30.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2020 06:31 pm
Operator : pest21:cw
Sample : l2007286-09d,42e,5,p
Misc : wg1344944,wg1344813,ical16334 (Sig #1); wg1344944,wg1344821,ical16
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 12:46:40 2020
Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

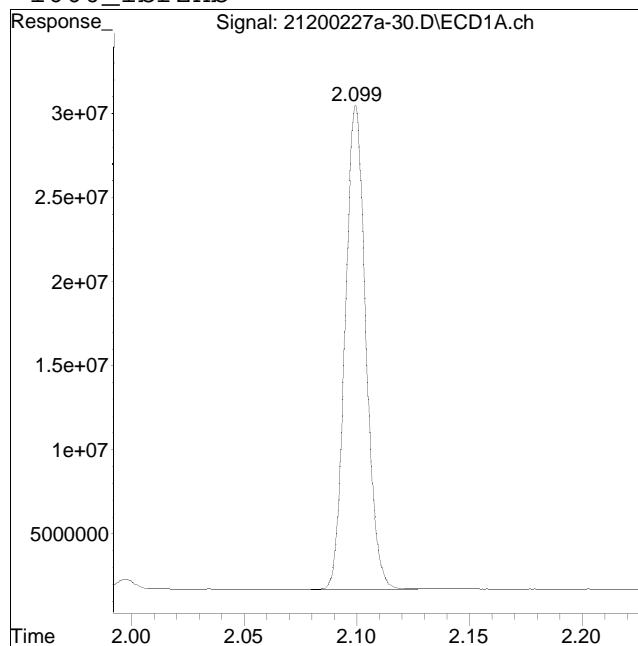
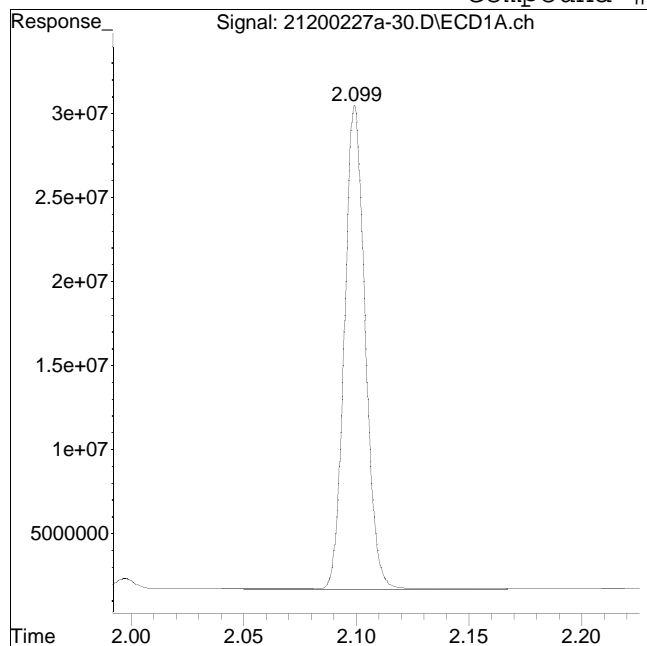
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-30.D Operator : pest21:cw
Date Inj'd : 2/27/2020 6:31 pm Instrument : Pest 21
Sample : 12007286-09d,42e,5,p Quant Date : 3/2/2020 12:41 pm

Compound #1: 1660_1br2nb



Original Peak Response = 187635412

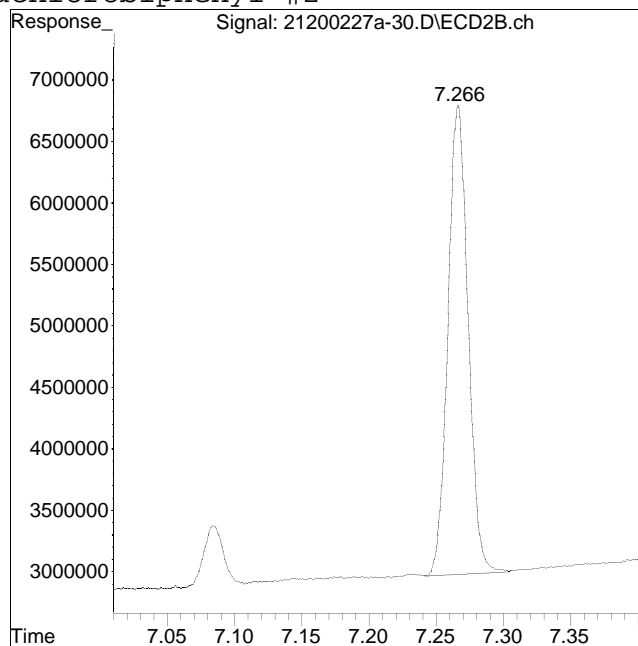
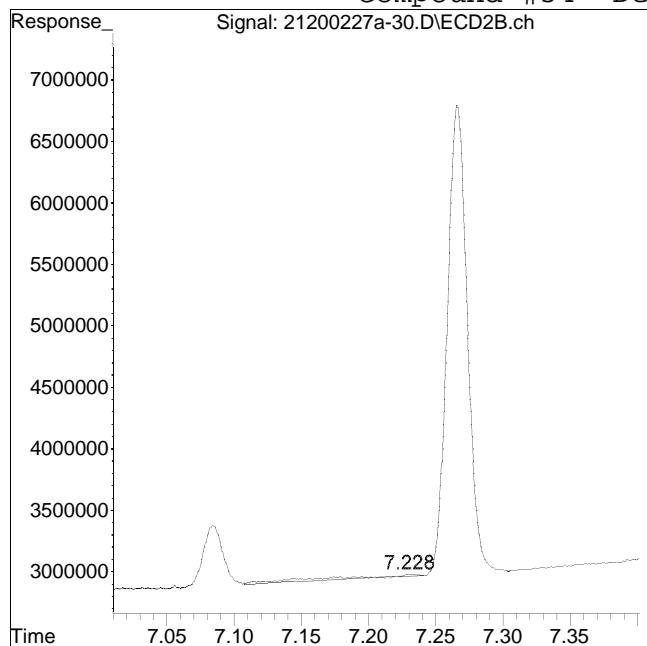
Manual Peak Response = 183362760 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-30.D Operator : pest21:cw
Date Inj'd : 2/27/2020 6:31 pm Instrument : Pest 21
Sample : 12007286-09d,42e,5,p Quant Date : 3/2/2020 12:41 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 703543

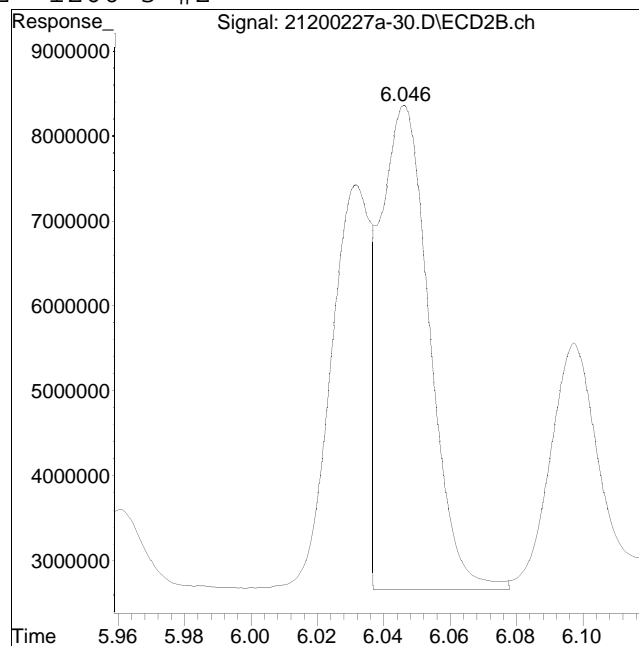
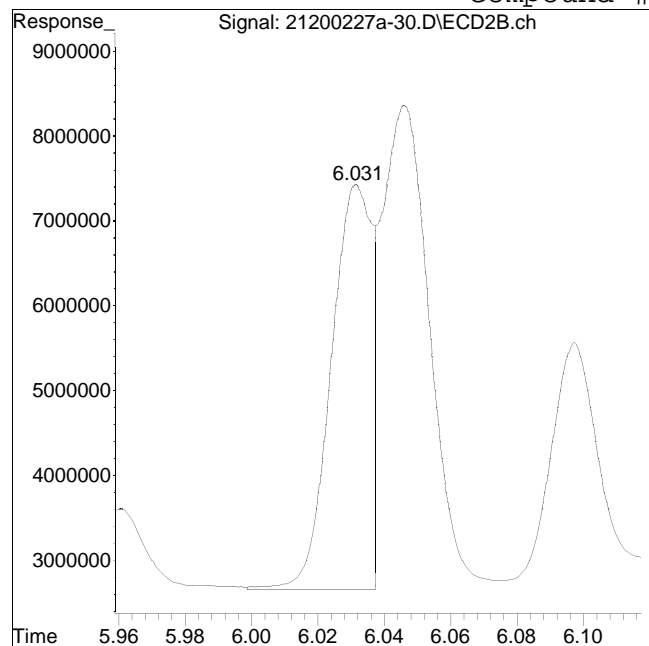
Manual Peak Response = 39883475 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-30.D Operator : pest21:cw
Date Inj'd : 2/27/2020 6:31 pm Instrument : Pest 21
Sample : 12007286-09d,42e,5,p Quant Date : 3/2/2020 12:41 pm

Compound #62: 1260-3 #2



Original Peak Response = 3946795.5

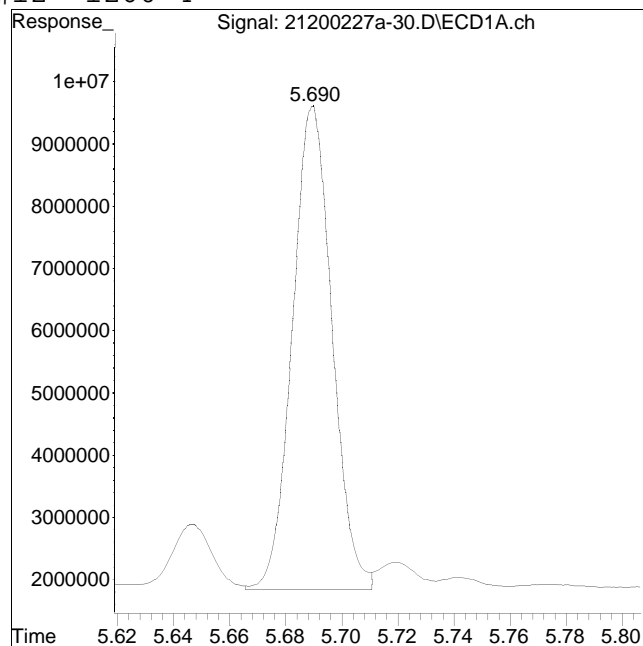
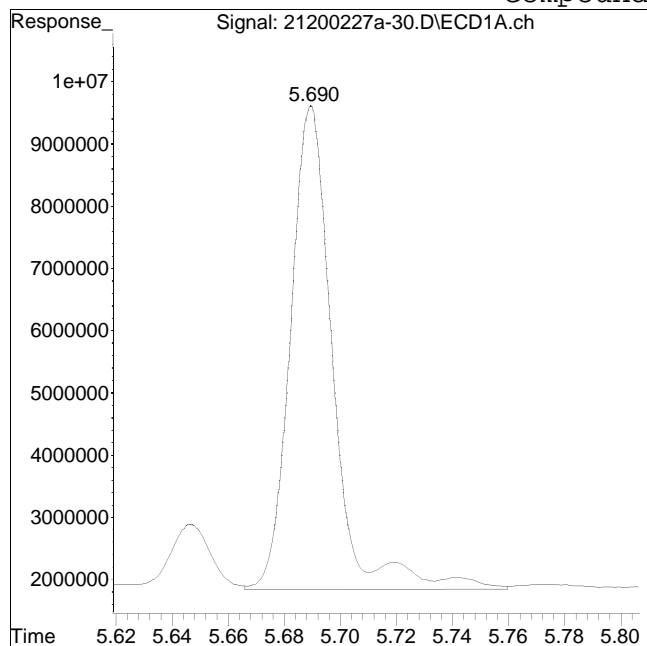
Manual Peak Response = 5850959.9 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-30.D Operator : pest21:cw
Date Inj'd : 2/27/2020 6:31 pm Instrument : Pest 21
Sample : 12007286-09d,42e,5,p Quant Date : 3/2/2020 12:41 pm

Compound #12: 1260-4



Original Peak Response = 82280740

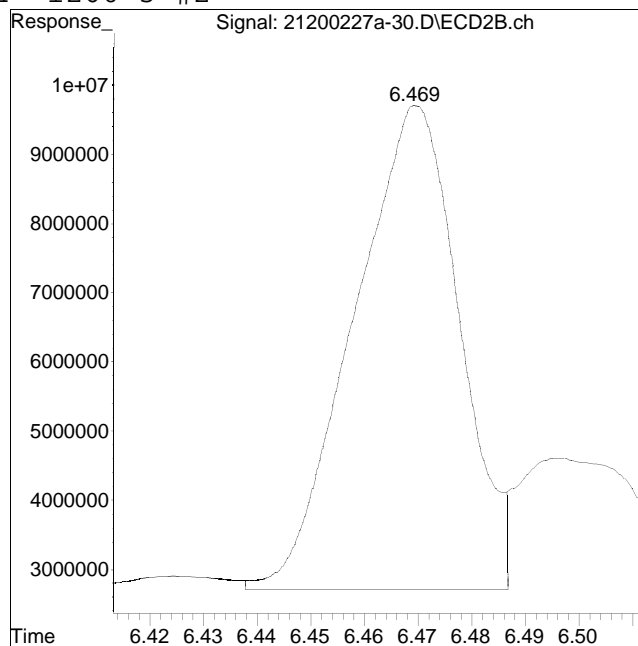
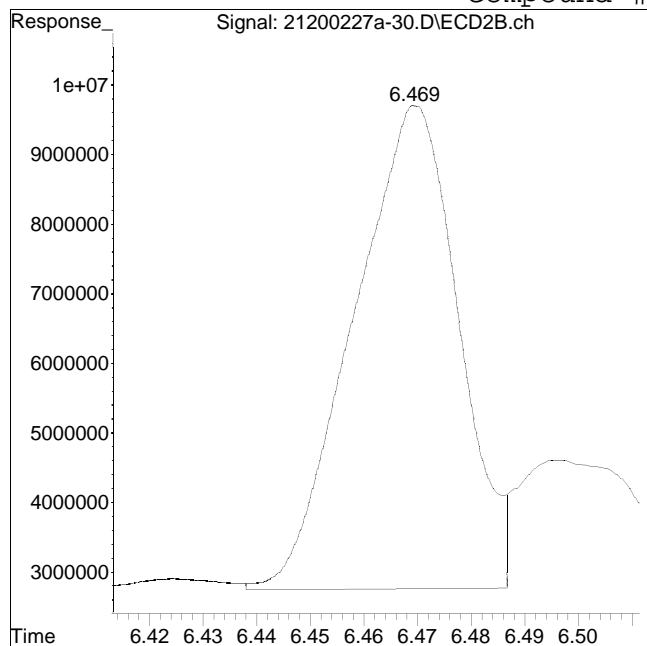
Manual Peak Response = 76219836 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-30.D Operator : pest21:cw
Date Inj'd : 2/27/2020 6:31 pm Instrument : Pest 21
Sample : 12007286-09d,42e,5,p Quant Date : 3/2/2020 12:41 pm

Compound #64: 1260-5 #2



Original Peak Response = 93835260

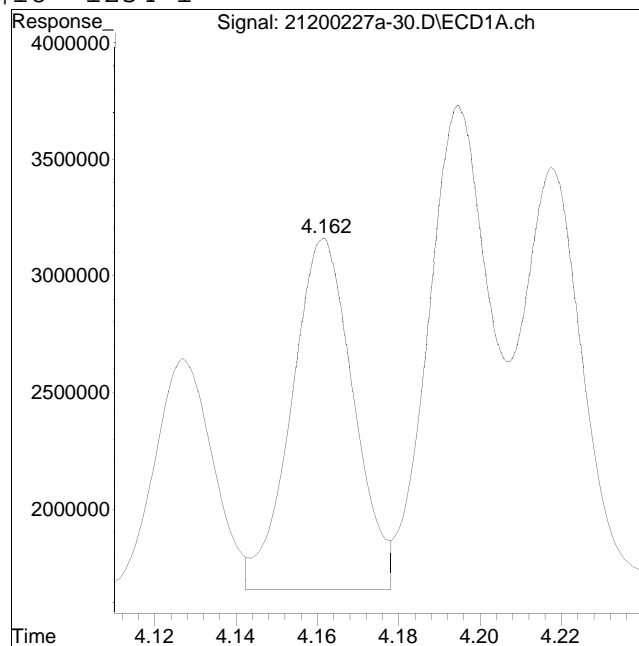
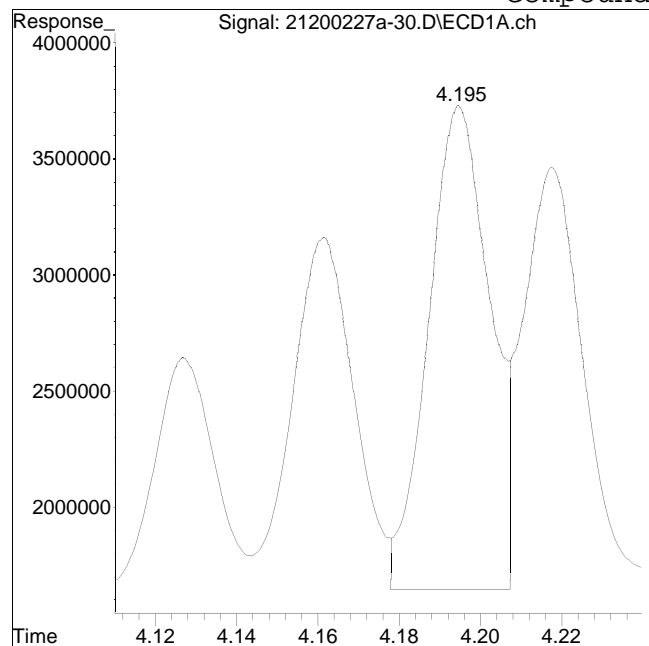
Manual Peak Response = 95387343 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-30.D Operator : pest21:cw
Date Inj'd : 2/27/2020 6:31 pm Instrument : Pest 21
Sample : 12007286-09d,42e,5,p Quant Date : 3/2/2020 12:41 pm

Compound #18: 1254-1



Original Peak Response = 21718527

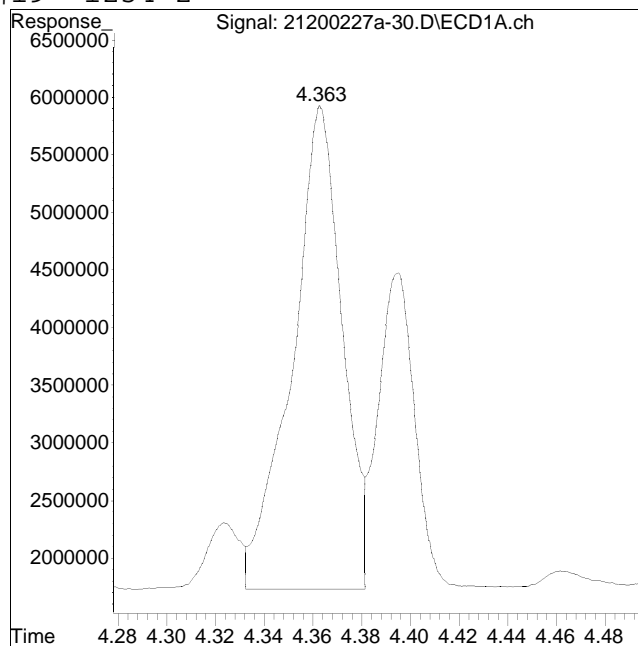
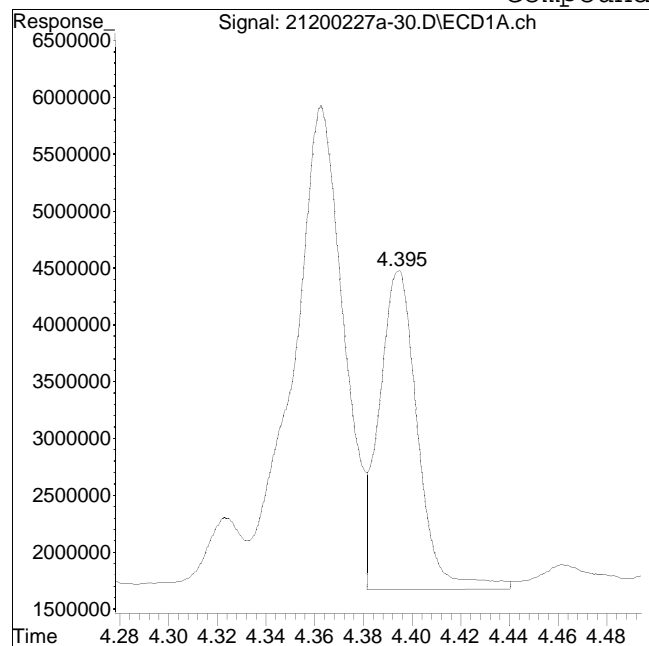
Manual Peak Response = 15891987 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-30.D Operator : pest21:cw
Date Inj'd : 2/27/2020 6:31 pm Instrument : Pest 21
Sample : 12007286-09d,42e,5,p Quant Date : 3/2/2020 12:41 pm

Compound #19: 1254-2



Original Peak Response = 31089892

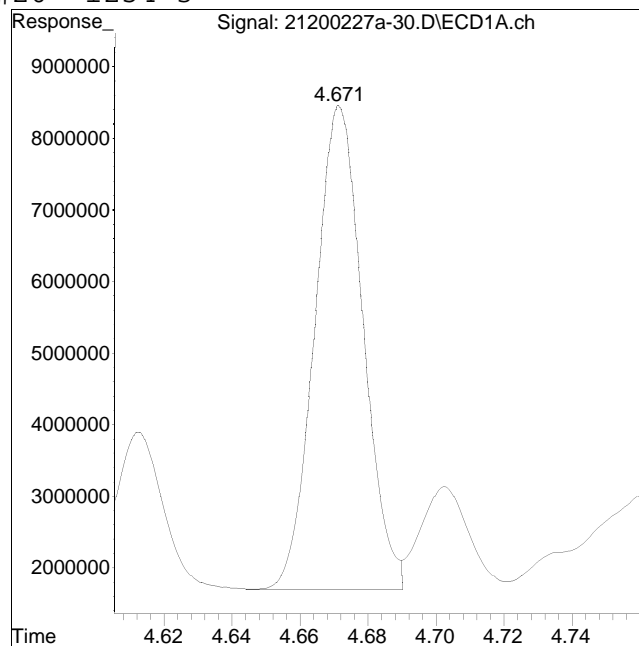
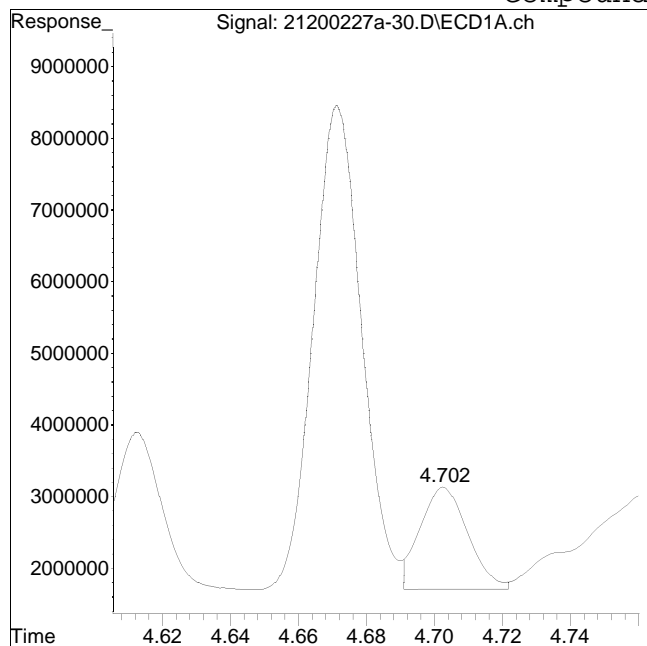
Manual Peak Response = 59920689 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-30.D Operator : pest21:cw
Date Inj'd : 2/27/2020 6:31 pm Instrument : Pest 21
Sample : 12007286-09d,42e,5,p Quant Date : 3/2/2020 12:41 pm

Compound #20: 1254-3



Original Peak Response = 13914986

Manual Peak Response = 66586108 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:07 pm
 Operator : pest21:cw
 Sample : l2007286-03d,42e,100,
 Misc : wgl1344944,wgl1344813,ical16334
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 12:55:19 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.089	2.198	168.9E6	311.7E6	250.000	250.000
Standard Area 1 : #1 = 156285799					Recovery =	108.06%
Standard Area 1 : #2 = 285112298					Recovery =	109.32%
14) i 2154_1br2nb	2.089	2.198	168.9E6	311.7E6	250.000	250.000
23) i 4268_1br2nb	2.089	2.198	168.9E6	311.7E6	250.000	250.000
34) i 1248_1br2nb	2.089	2.198	168.9E6	311.7E6	250.000	250.000
40) i 3262_1br2nb	2.089	2.198	168.9E6	311.7E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.788	5.365	36230365	65605489	992.405	986.102
10) l2 1260-2	4.993	5.510	56100872	76364258	1038.383	977.255
11) l2 1260-3	5.455	6.032	34407340	62648290	1012.865M4	1010.232M4
12) l2 1260-4	5.668	6.194	73737425	125.1E6	1023.849M1	974.432
13) l2 1260-5	5.865	6.442	53308176	84228543	1035.882M4	969.097
Sum 1260-1			253.8E6	414.0E6	5103.384	4917.117

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:07 pm
 Operator : pest21:cw
 Sample : 12007286-03d,42e,100,
 Misc : wgl1344944,wgl1344813,ical16334
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 12:55:19 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					1020.677	983.423
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D.
17) 13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:07 pm
 Operator : pest21:cw
 Sample : 12007286-03d,42e,100,
 Misc : wgl1344944,wgl1344813,ical16334
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 12:55:19 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:07 pm
 Operator : pest21:cw
 Sample : 12007286-03d,42e,100,
 Misc : wgl344944,wgl344813,ical16334
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 12:55:19 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

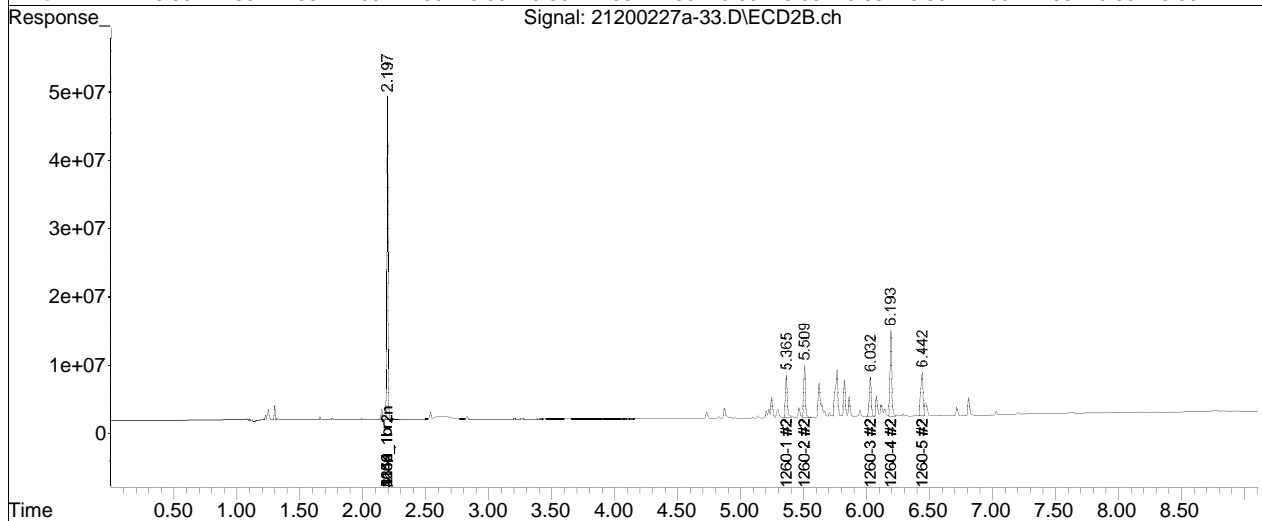
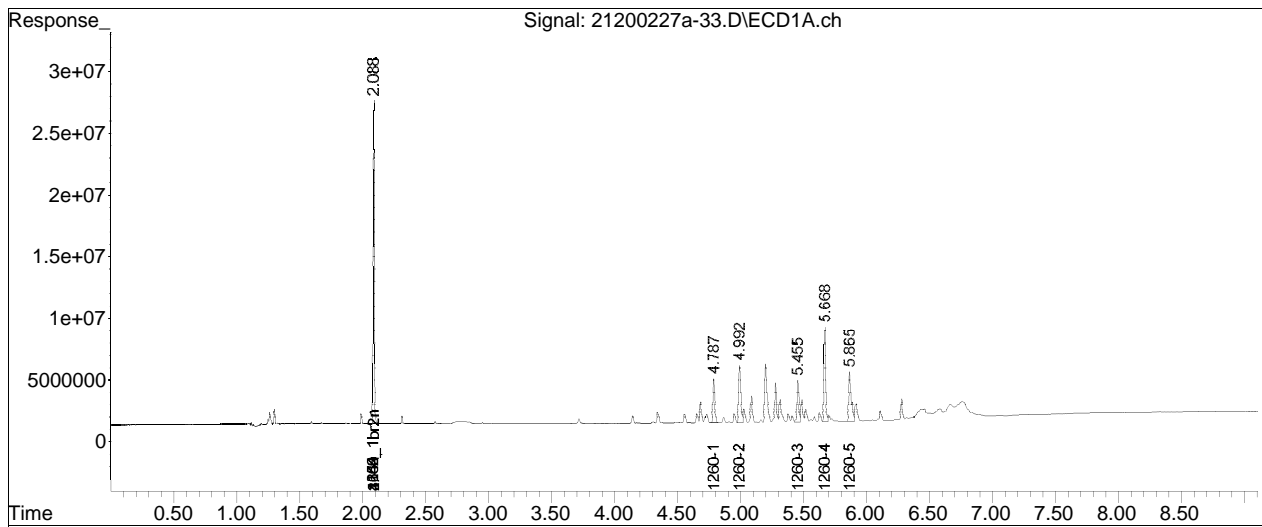
Sub List : Default - All compounds listed27a\21200227a-23.D••

Data Path : I:\Pest21\data\2020\21200227a\
Data File : 21200227a-33.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2020 07:07 pm
Operator : pest21:cw
Sample : l2007286-03d,42e,100,
Misc : wgl344944,wgl344813,ical16334
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 12:55:19 2020
Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

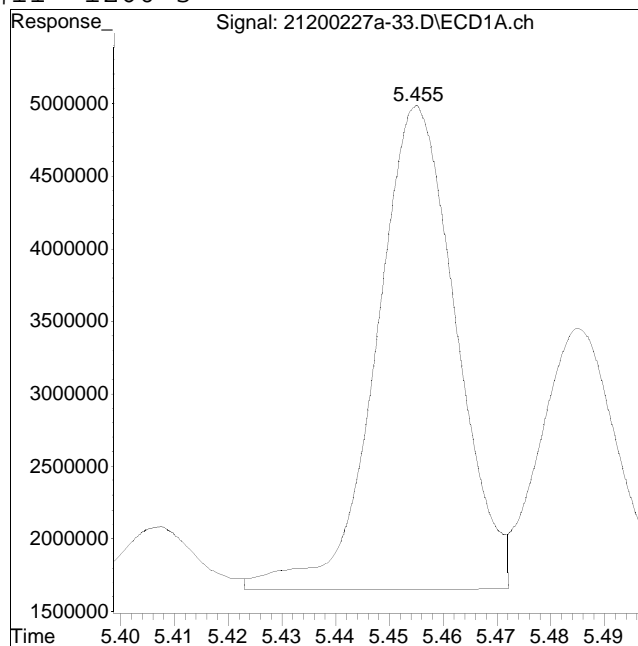
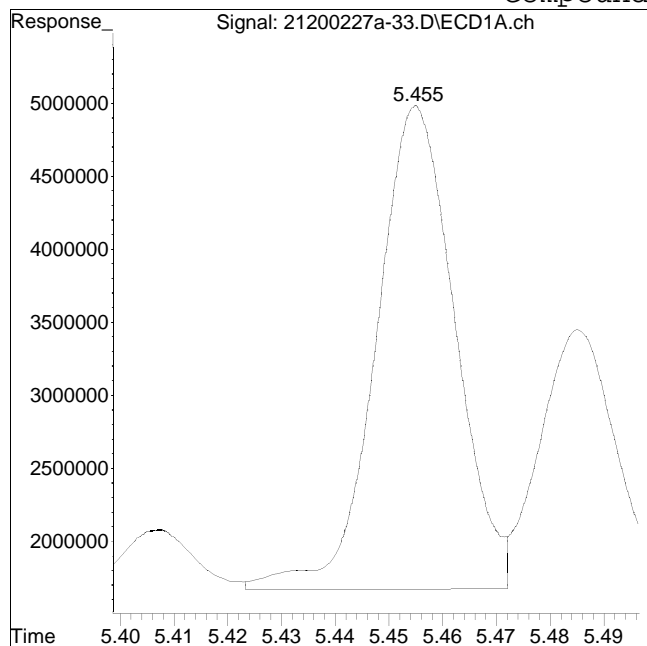
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-33.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:07 pm Instrument : Pest 21
Sample : 12007286-03d,42e,100, Quant Date : 3/2/2020 12:42 pm

Compound #11: 1260-3



Original Peak Response = 33693117

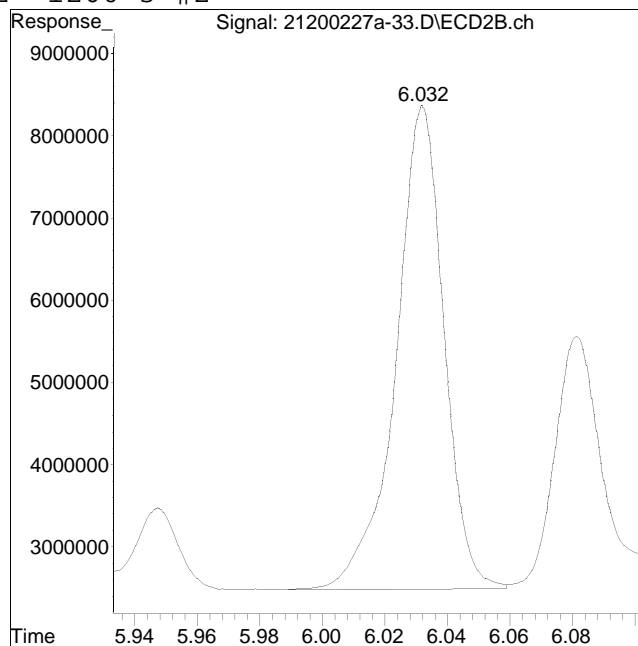
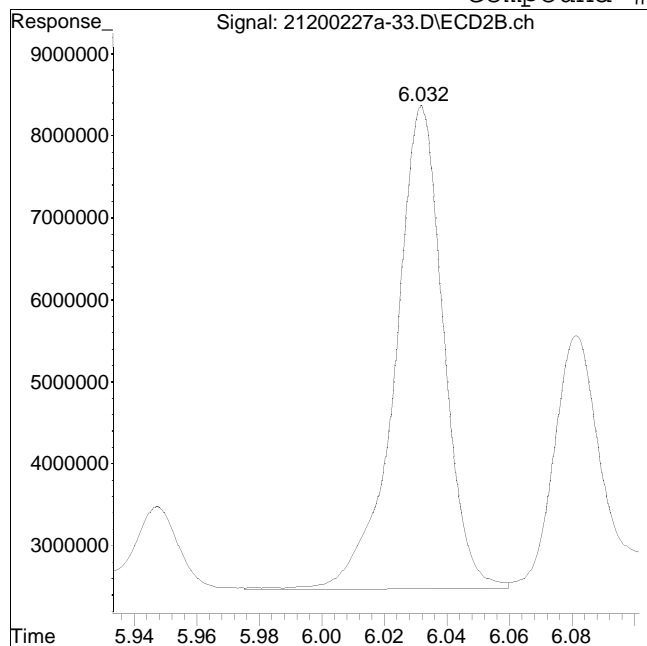
Manual Peak Response = 34407340 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-33.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:07 pm Instrument : Pest 21
Sample : 12007286-03d,42e,100, Quant Date : 3/2/2020 12:42 pm

Compound #62: 1260-3 #2



Original Peak Response = 63484009

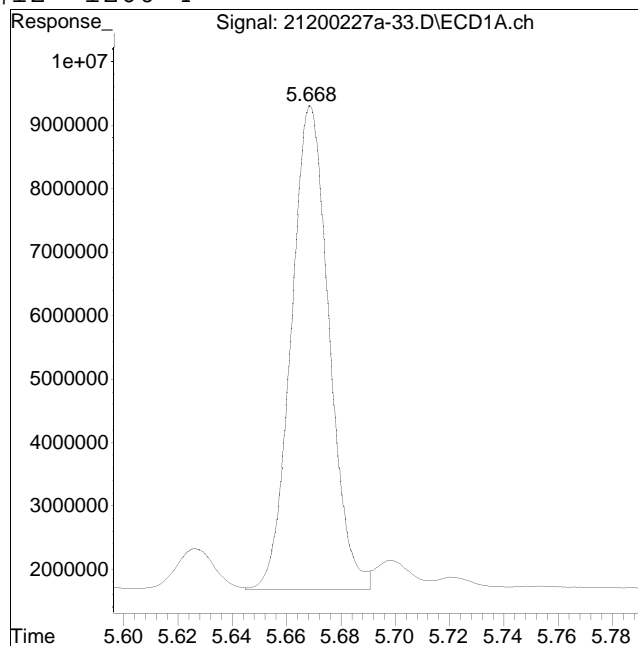
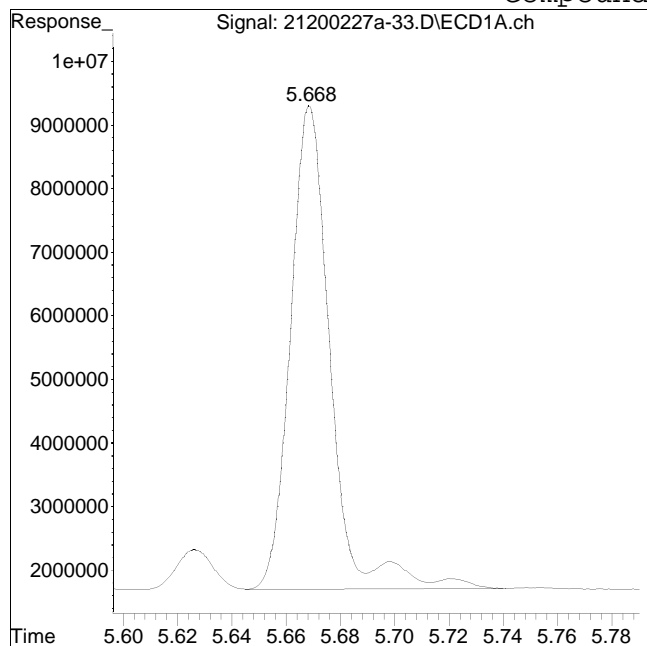
Manual Peak Response = 62648290 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-33.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:07 pm Instrument : Pest 21
Sample : 12007286-03d,42e,100, Quant Date : 3/2/2020 12:42 pm

Compound #12: 1260-4



Original Peak Response = 77860214

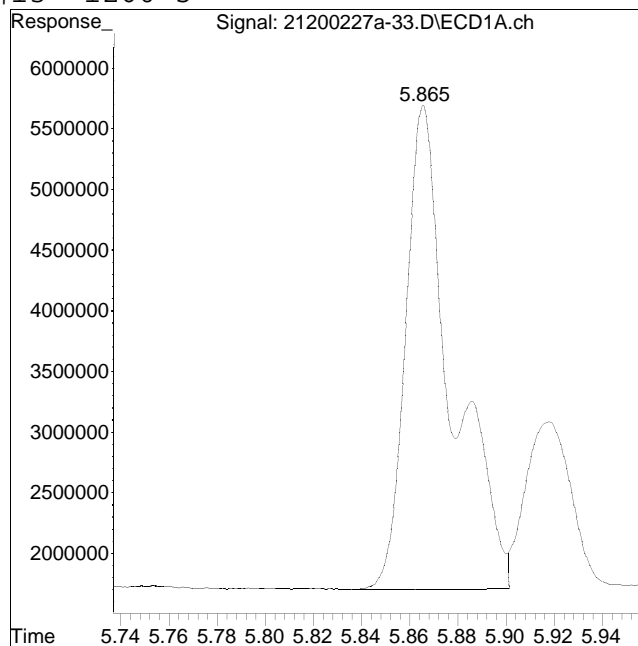
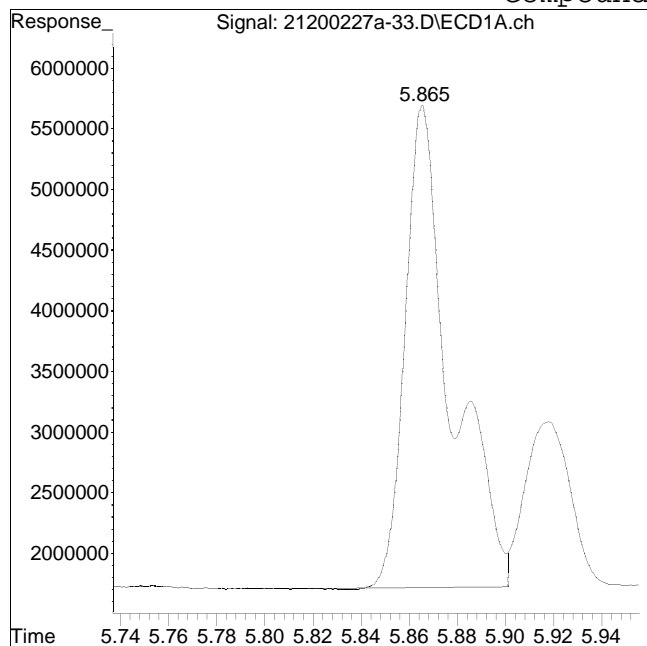
Manual Peak Response = 73737425 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-33.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:07 pm Instrument : Pest 21
Sample : 12007286-03d,42e,100, Quant Date : 3/2/2020 12:42 pm

Compound #13: 1260-5



Original Peak Response = 52655100

Manual Peak Response = 53308176 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:19 pm
 Operator : pest21:cw
 Sample : l2007286-04d,42e,20,
 Misc : wgl1344944,wgl1344813,ical16334
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 12:59:02 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.089	2.197	178.3E6	330.8E6	250.000	250.000
Standard Area 1 : #1 = 156285799					Recovery =	114.11%
Standard Area 1 : #2 = 285112298					Recovery =	116.04%
14) i 2154_1br2nb	2.089	2.197	178.3E6	330.8E6	250.000	250.000
23) i 4268_1br2nb	2.089	2.197	178.3E6	330.8E6	250.000	250.000
34) i 1248_1br2nb	2.089	2.197	178.3E6	330.8E6	250.000	250.000
40) i 3262_1br2nb	2.089	2.197	178.3E6	330.8E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.788	5.365	61303651	112.2E6	1590.290	1589.471
10) l2 1260-2	4.992	5.509	96227248	131.2E6	1686.785	1582.398
11) l2 1260-3	5.455	6.032	58605858	107.9E6	1633.862M4	1638.473
12) l2 1260-4	5.668	6.194	130.2E6	227.8E6	1712.163M1	1671.312
13) l2 1260-5	5.865	6.442	94522909	151.5E6	1739.512M4	1642.356
Sum 1260-1			440.9E6	730.7E6	8362.612	8124.011
Average 1260-1					1672.522	1624.802

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:19 pm
 Operator : pest21:cw
 Sample : l2007286-04d,42e,20,
 Misc : wgl1344944,wgl1344813,ical16334
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 12:59:02 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D.
17)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:19 pm
 Operator : pest21:cw
 Sample : 12007286-04d,42e,20,
 Misc : wgl1344944,wgl1344813,ical16334
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 12:59:02 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:19 pm
 Operator : pest21:cw
 Sample : 12007286-04d,42e,20,
 Misc : wgl1344944,wgl1344813,ical16334
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 12:59:02 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

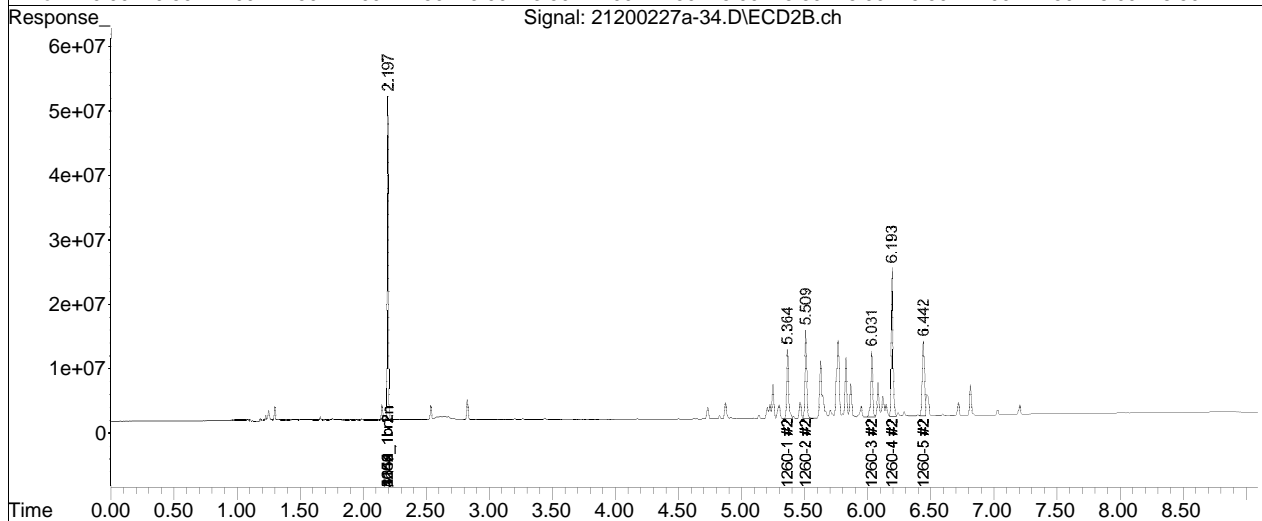
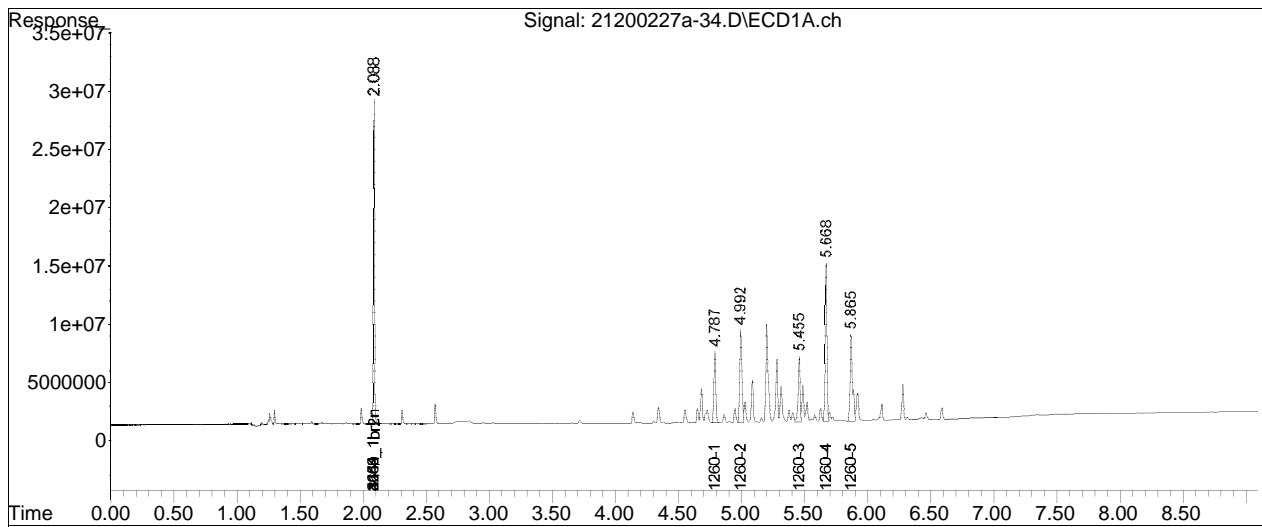
Sub List : Default - All compounds listed27a\21200227a-23.D••

Data Path : I:\Pest21\data\2020\21200227a\
Data File : 21200227a-34.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2020 07:19 pm
Operator : pest21:cw
Sample : l2007286-04d,42e,20,
Misc : wg1344944,wg1344813,ical16334
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 12:59:02 2020
Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334
... .m

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

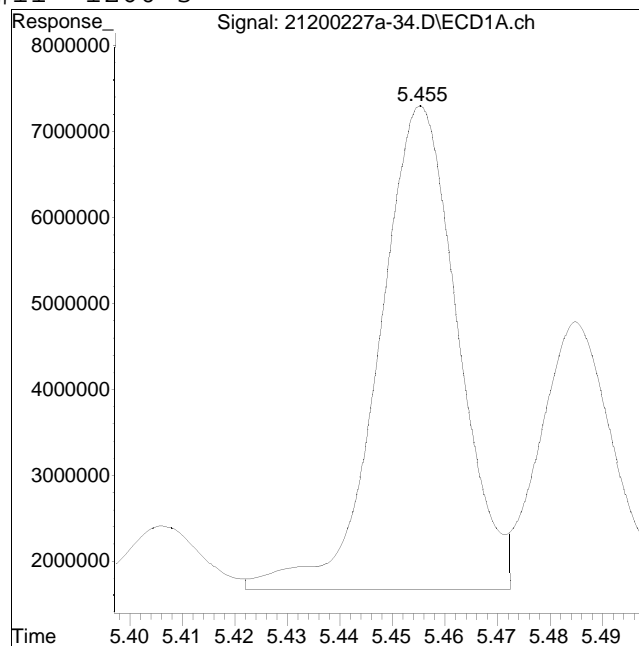
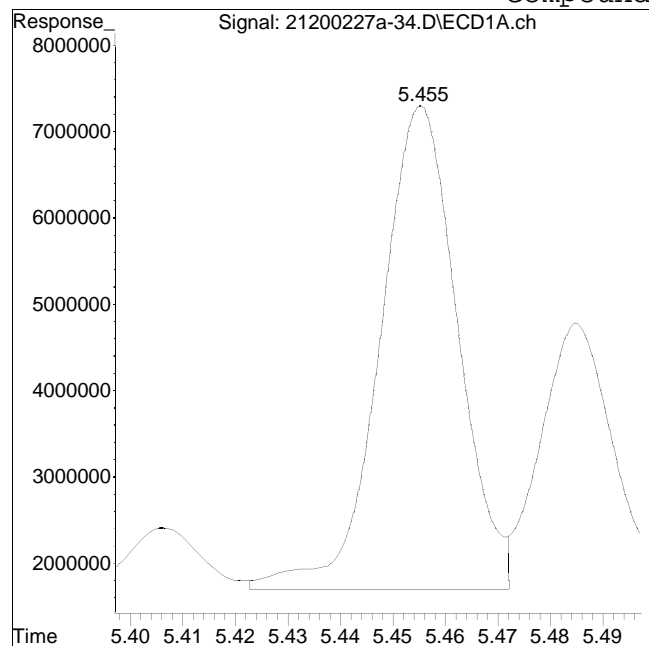
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-34.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:19 pm Instrument : Pest 21
Sample : 12007286-04d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #11: 1260-3



Original Peak Response = 57515250

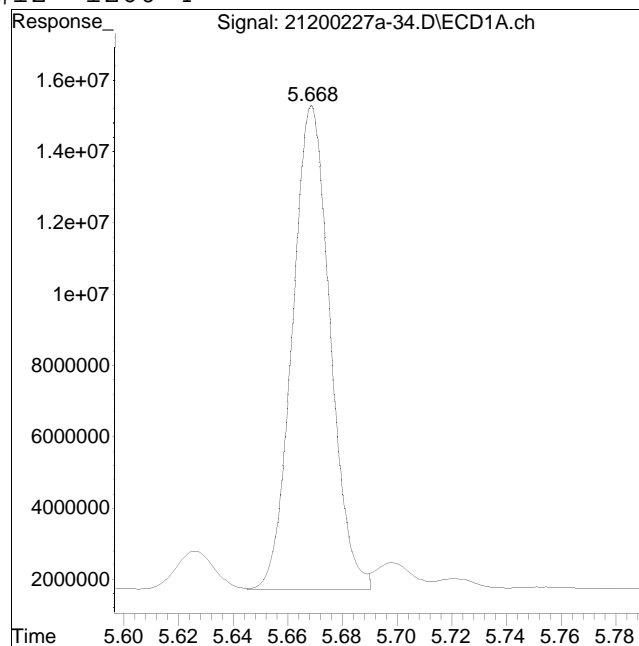
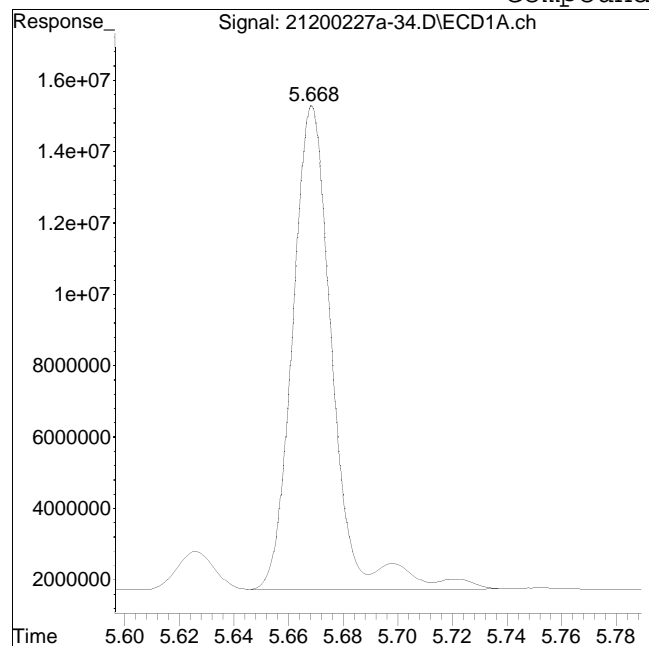
Manual Peak Response = 58605858 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-34.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:19 pm Instrument : Pest 21
Sample : 12007286-04d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #12: 1260-4



Original Peak Response = 138043600

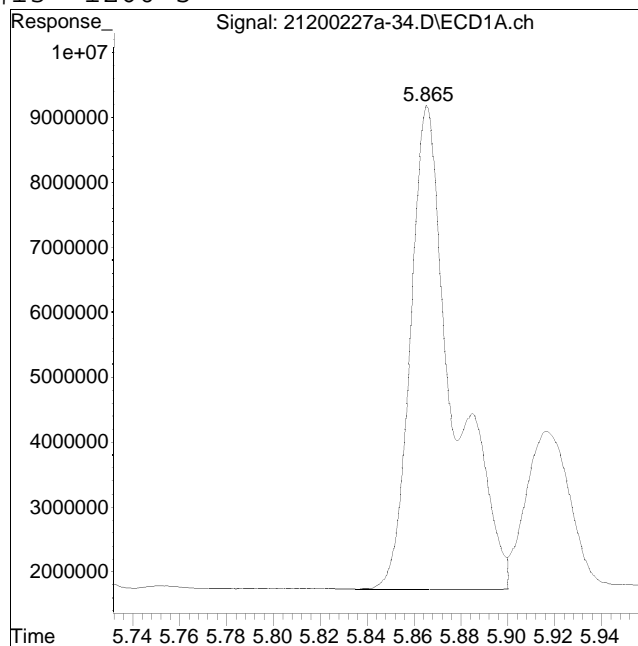
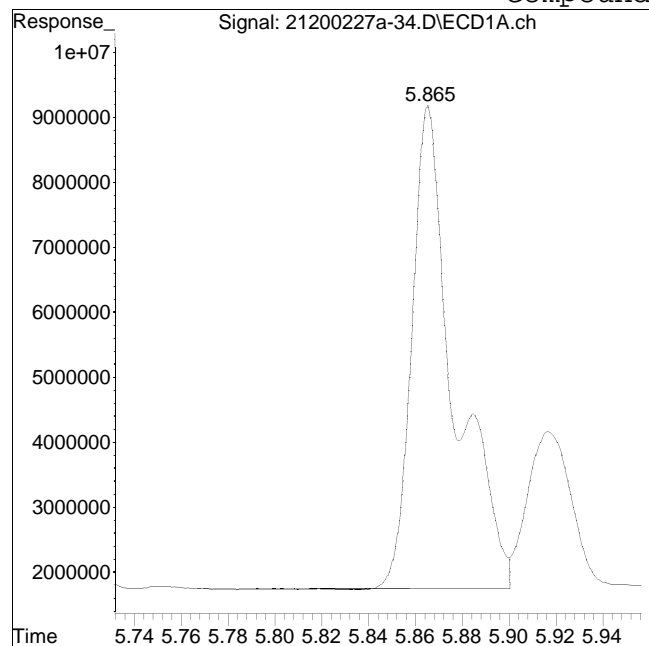
Manual Peak Response = 130203802 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-34.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:19 pm Instrument : Pest 21
Sample : 12007286-04d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #13: 1260-5



Original Peak Response = 93659951

Manual Peak Response = 94522909 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:31 pm
 Operator : pest21:cw
 Sample : l2007286-10d,42e,20,
 Misc : wgl1344944,wgl1344813,ical16334
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 13:25:01 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.089	2.198	170.3E6	315.4E6	250.000	250.000
Standard Area 1 : #1 = 156285799					Recovery =	108.96%
Standard Area 1 : #2 = 285112298					Recovery =	110.64%
14) i 2154_1br2nb	2.089	2.198	170.3E6	315.4E6	250.000	250.000
23) i 4268_1br2nb	2.089	2.198	170.3E6	315.4E6	250.000	250.000
34) i 1248_1br2nb	2.089	2.198	170.3E6	315.4E6	250.000	250.000
40) i 3262_1br2nb	2.089	2.198	170.3E6	315.4E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	5.455	6.031	23136551	40999508	675.511	653.289M1
12) l2 1260-4	5.668	6.193	55740392	101.7E6	767.629M1	782.562
13) l2 1260-5	5.865	6.442	44105734	69811718	850.051M4	793.690M1
Sum 1260-1			123.0E6	212.5E6	2293.191	2229.541

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:31 pm
 Operator : pest21:cw
 Sample : 12007286-10d,42e,20,
 Misc : wgl1344944,wgl1344813,ical16334
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 13:25:01 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					764.397	743.180
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	4.141f	4.734	12700639	43703250	459.199M3	785.891M4
19) 14 1254-2	4.343f	4.873	46720575	57920704	984.076M3	874.137M4
20) 14 1254-3	4.651f	5.224	51406946	94312890	1010.559M3	1055.573M1
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			110.8E6	195.9E6	2453.833	2715.601
Average 1254-1					817.944	905.200
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:31 pm
 Operator : pest21:cw
 Sample : 12007286-10d,42e,20,
 Misc : wgl1344944,wgl1344813,ical16334
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 13:25:01 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:31 pm
 Operator : pest21:cw
 Sample : 12007286-10d,42e,20,
 Misc : wgl1344944,wgl1344813,ical16334
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 13:25:01 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

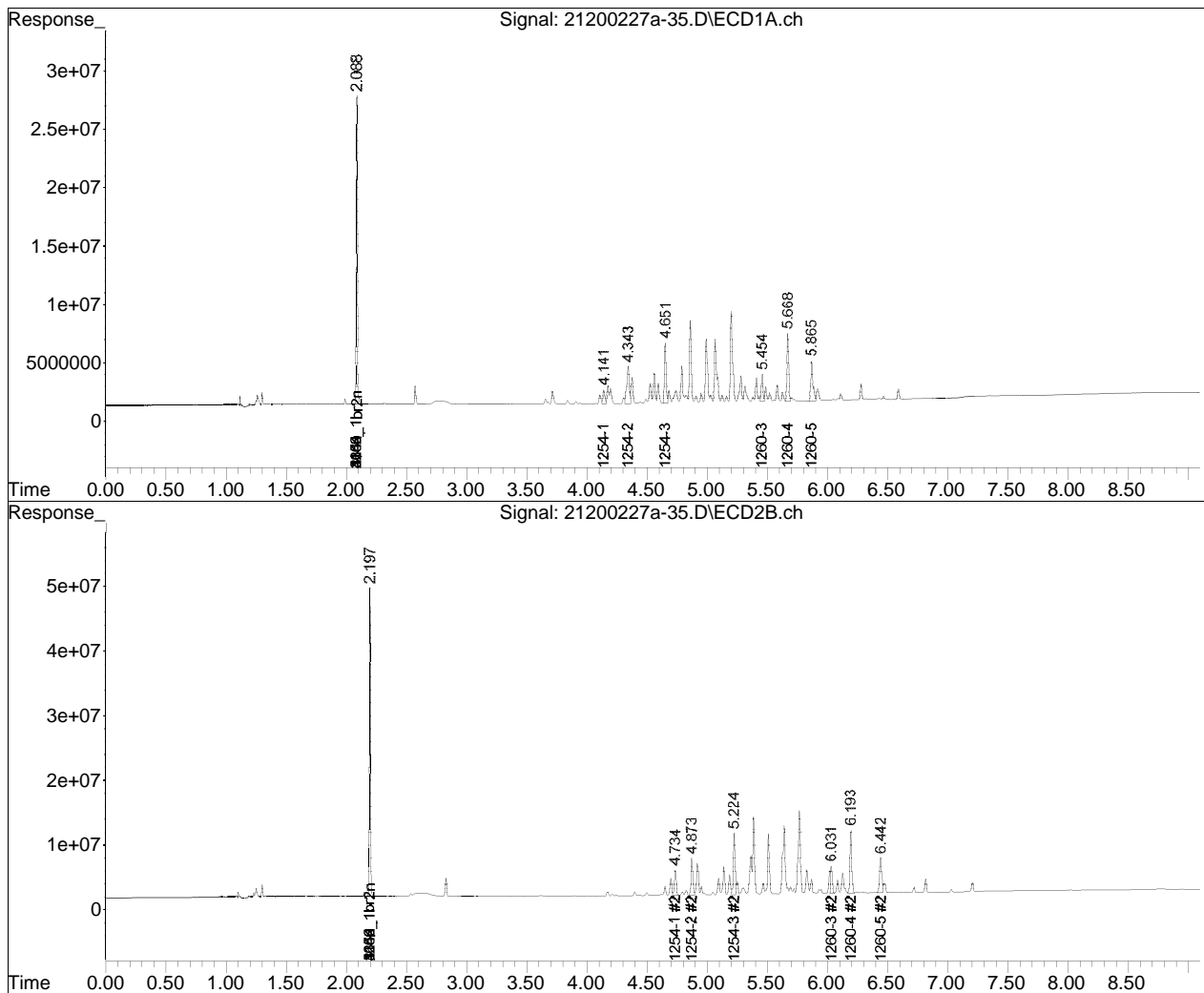
Sub List : Default - All compounds listed27a\21200227a-23.D**

Data Path : I:\Pest21\data\2020\21200227a\
Data File : 21200227a-35.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2020 07:31 pm
Operator : pest21:cw
Sample : l2007286-10d,42e,20,
Misc : wg1344944,wg1344813,ical16334
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 13:25:01 2020
Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

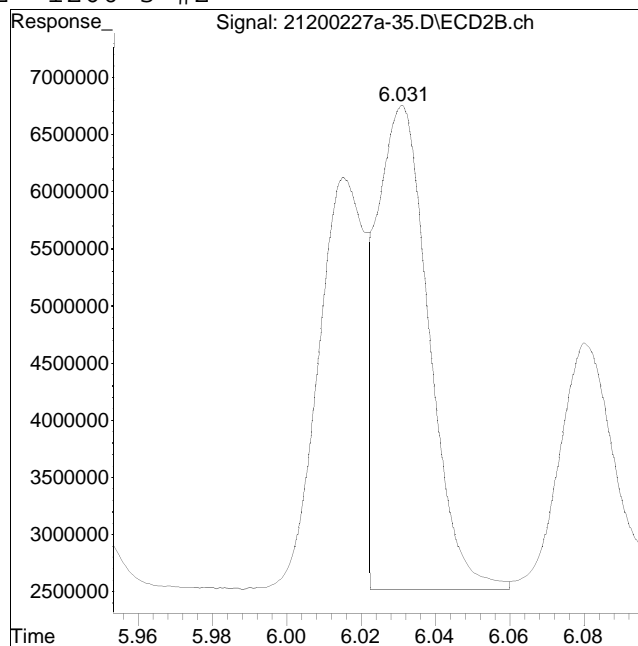
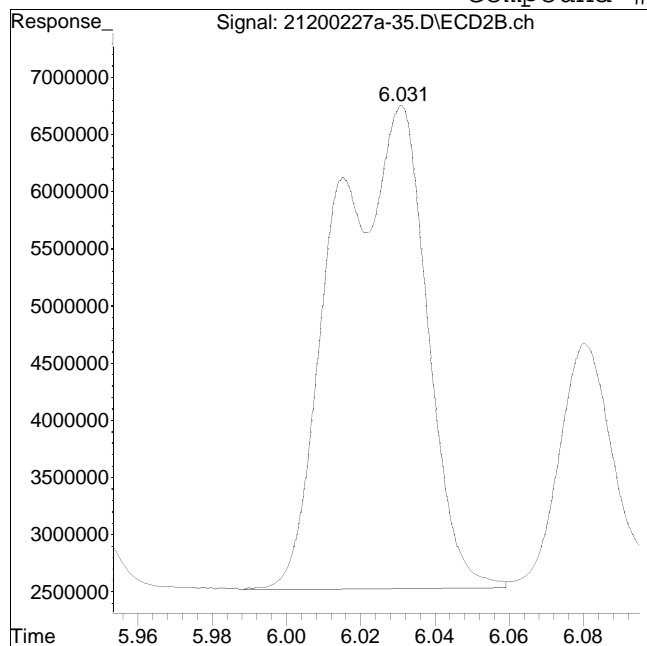
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-35.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:31 pm Instrument : Pest 21
Sample : 12007286-10d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #62: 1260-3 #2



Original Peak Response = 71951216

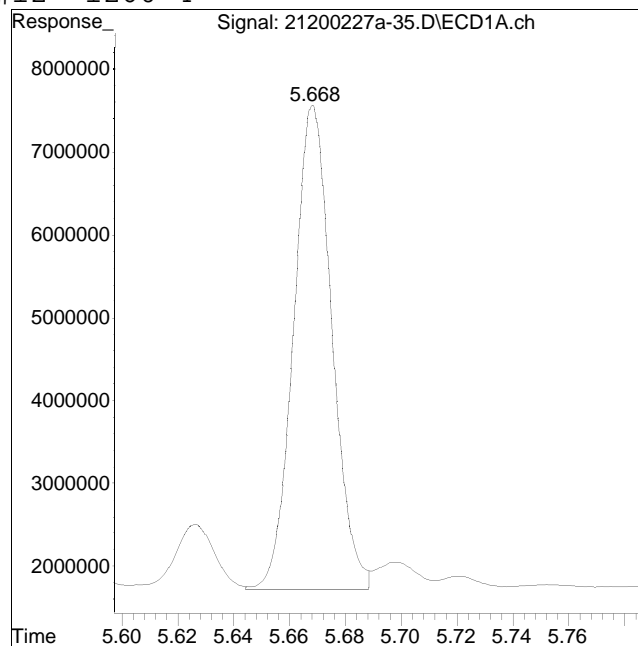
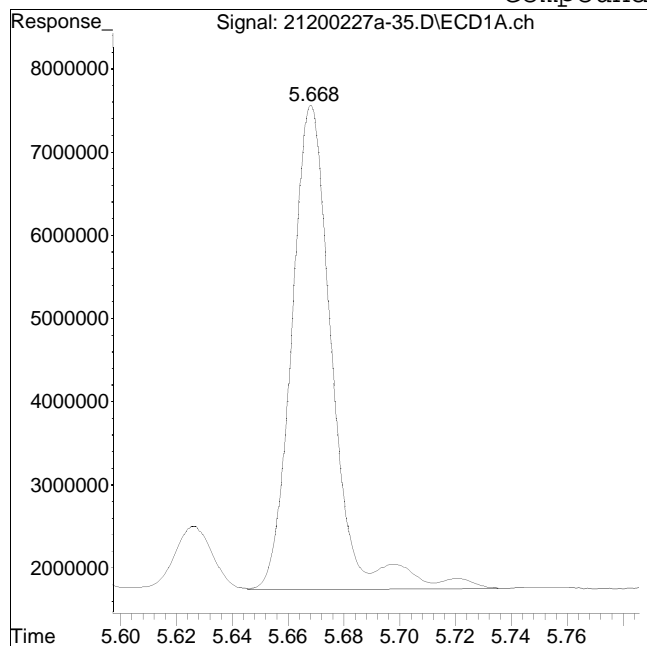
Manual Peak Response = 40999508 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-35.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:31 pm Instrument : Pest 21
Sample : 12007286-10d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #12: 1260-4



Original Peak Response = 58952374

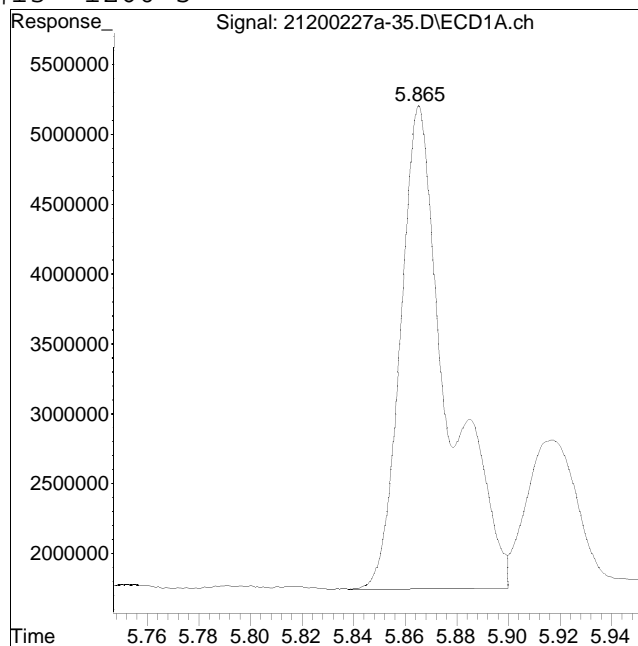
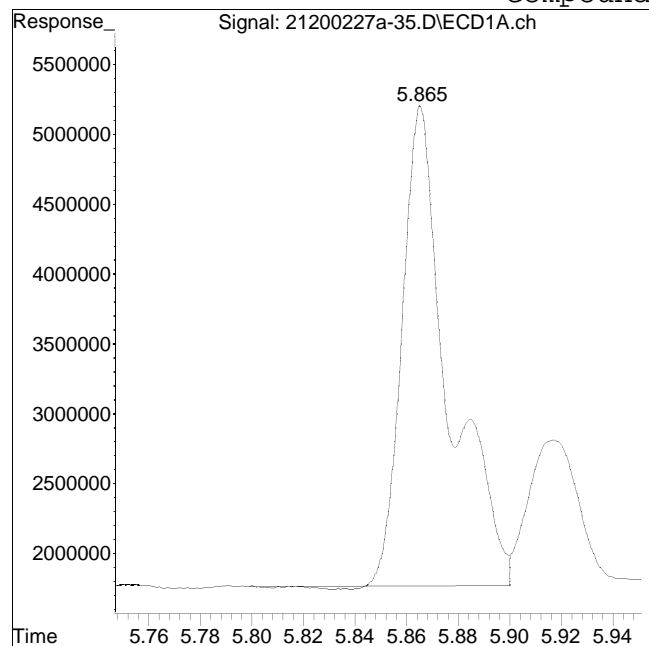
Manual Peak Response = 55740392 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-35.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:31 pm Instrument : Pest 21
Sample : 12007286-10d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #13: 1260-5



Original Peak Response = 43158734

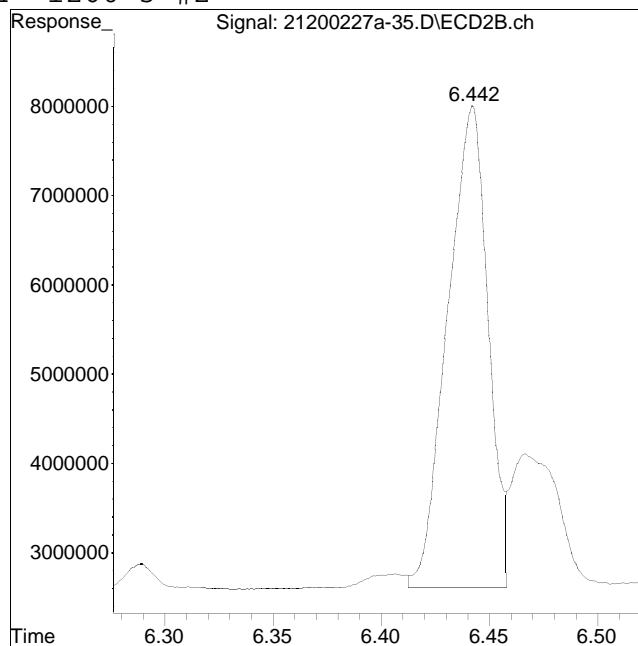
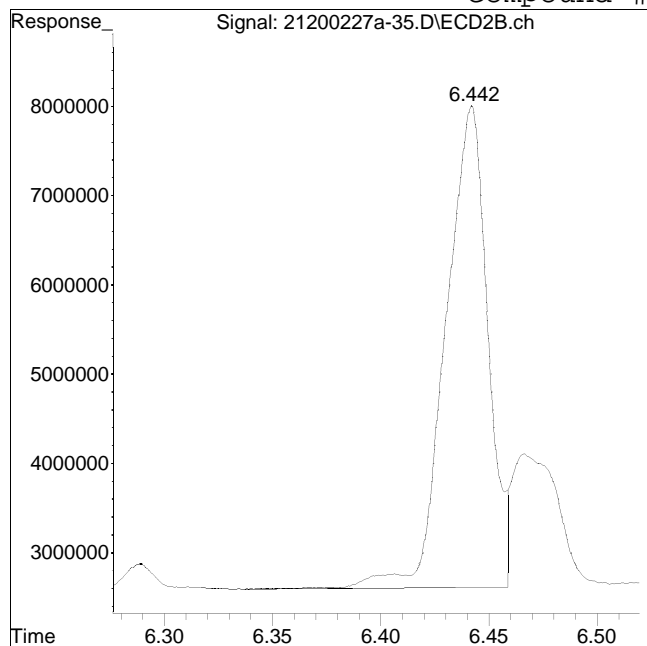
Manual Peak Response = 44105734 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-35.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:31 pm Instrument : Pest 21
Sample : 12007286-10d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #64: 1260-5 #2



Original Peak Response = 72573222

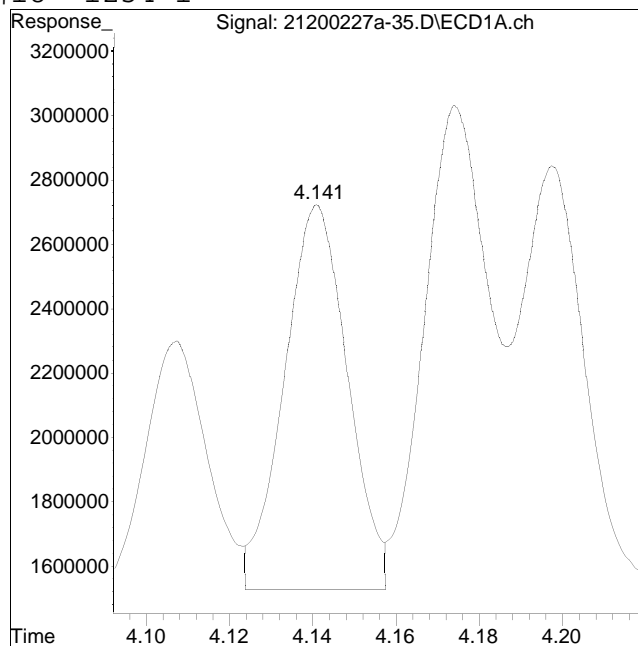
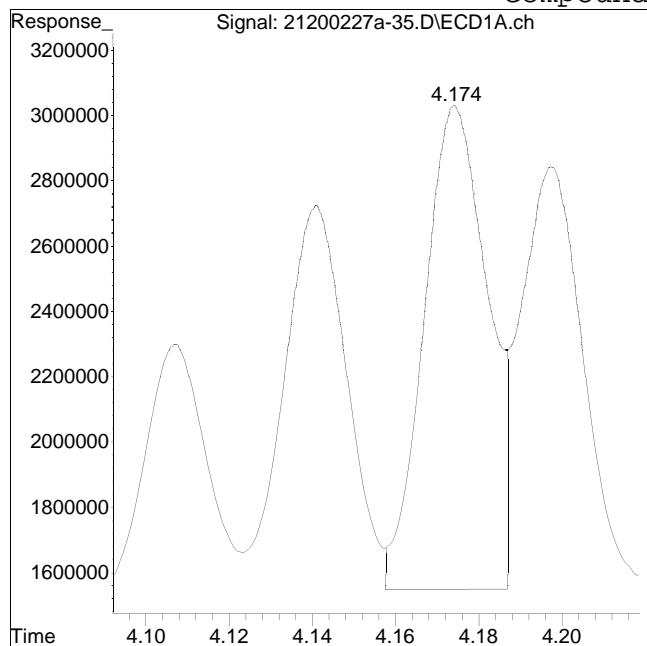
Manual Peak Response = 69811718 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-35.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:31 pm Instrument : Pest 21
Sample : 12007286-10d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #18: 1254-1



Original Peak Response = 15621350

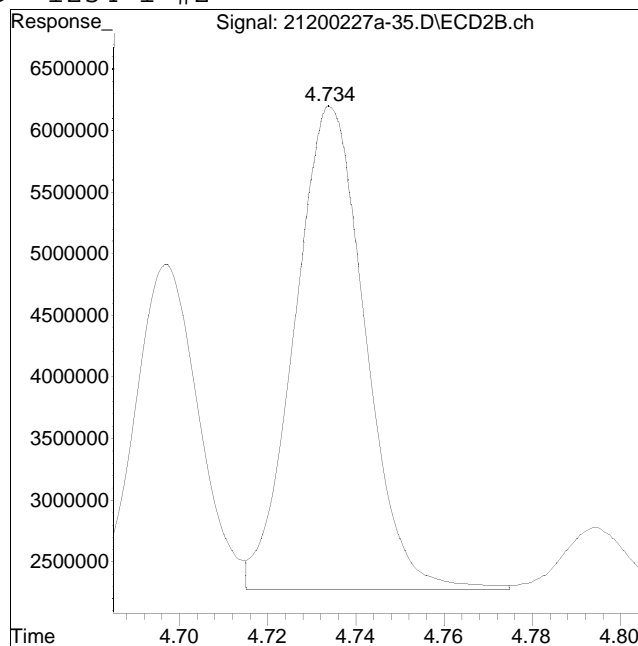
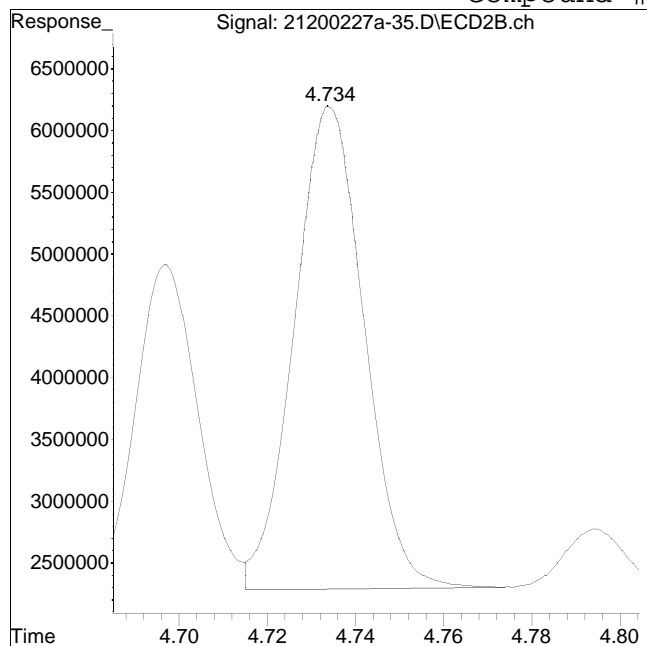
Manual Peak Response = 12700639 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-35.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:31 pm Instrument : Pest 21
Sample : 12007286-10d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #69: 1254-1 #2



Original Peak Response = 43171783

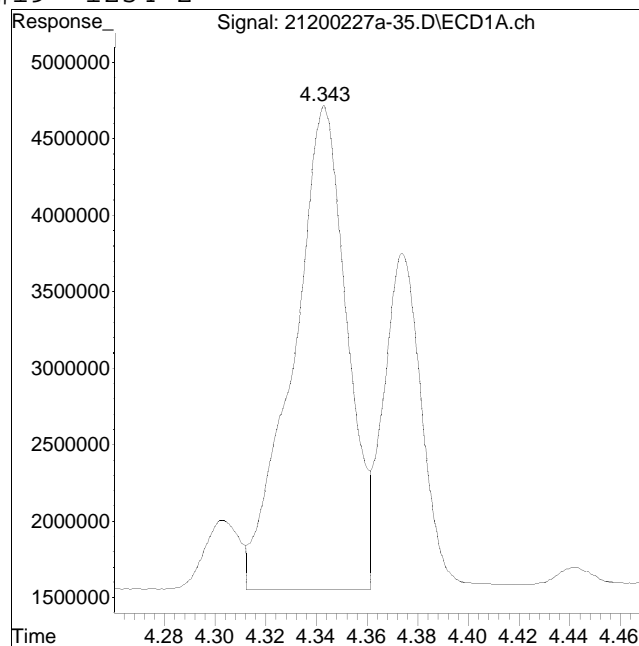
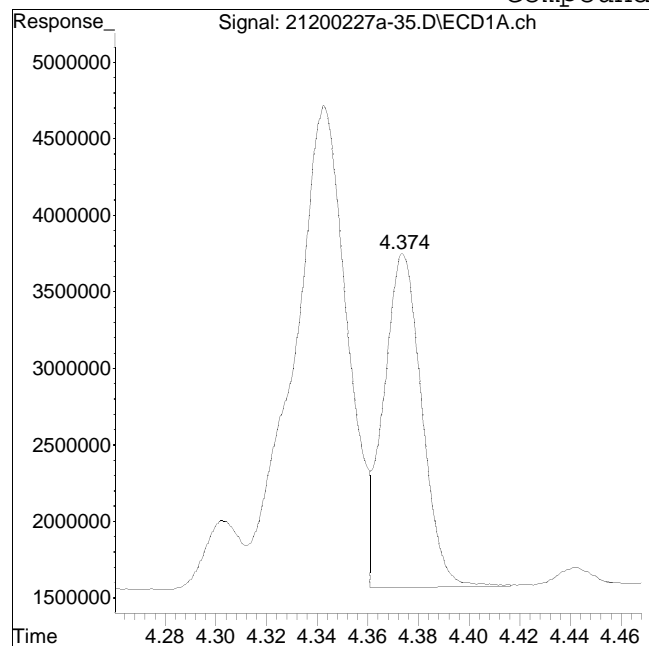
Manual Peak Response = 43703250 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-35.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:31 pm Instrument : Pest 21
Sample : 12007286-10d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #19: 1254-2



Original Peak Response = 23060606

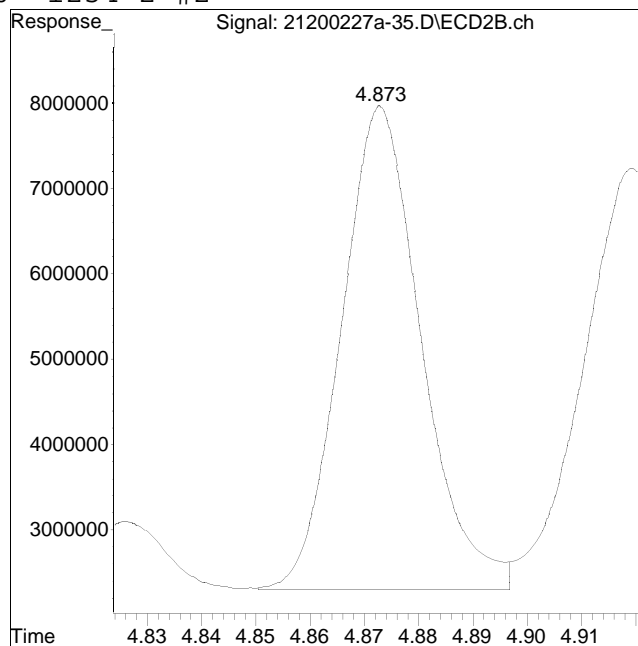
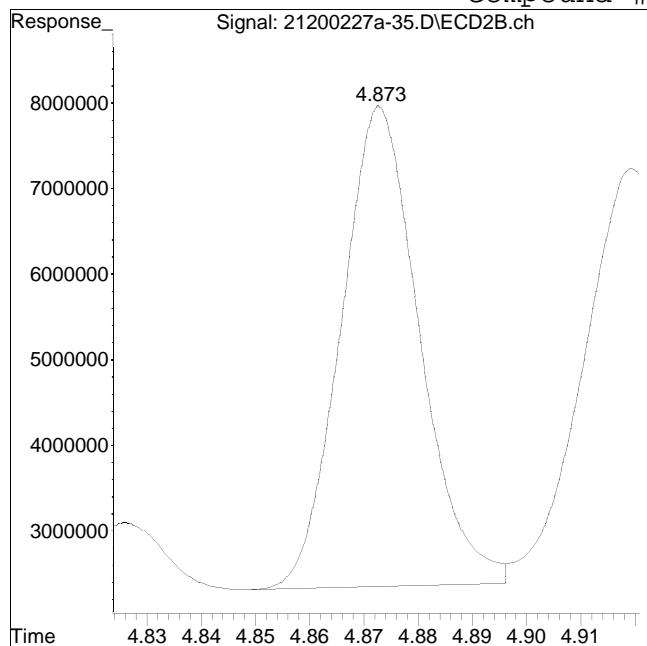
Manual Peak Response = 46720575 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-35.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:31 pm Instrument : Pest 21
Sample : 12007286-10d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #70: 1254-2 #2



Original Peak Response = 56234839

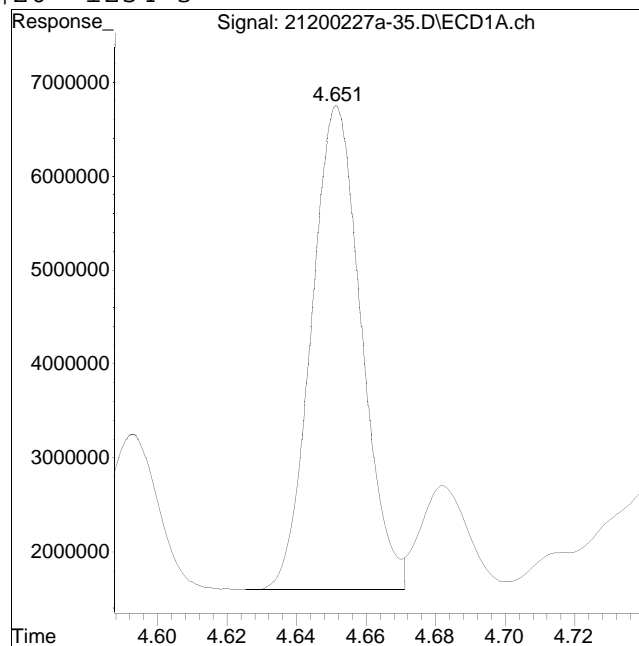
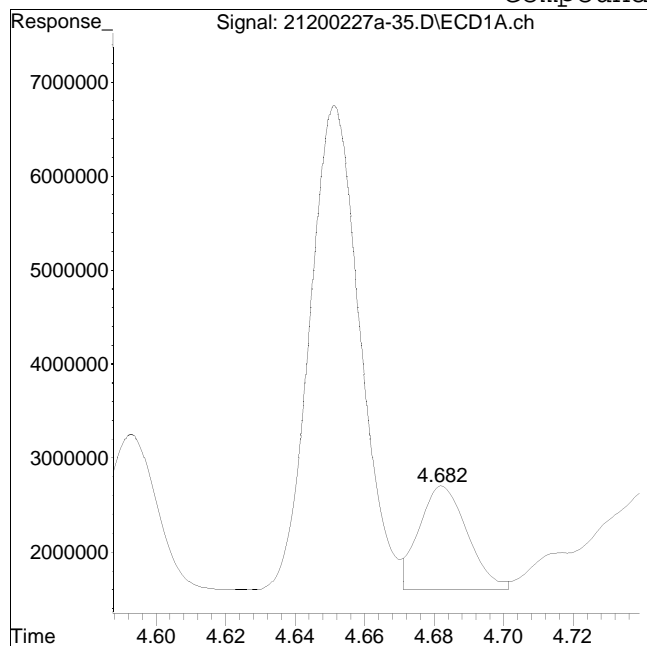
Manual Peak Response = 57920704 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-35.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:31 pm Instrument : Pest 21
Sample : 12007286-10d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #20: 1254-3



Original Peak Response = 10539555

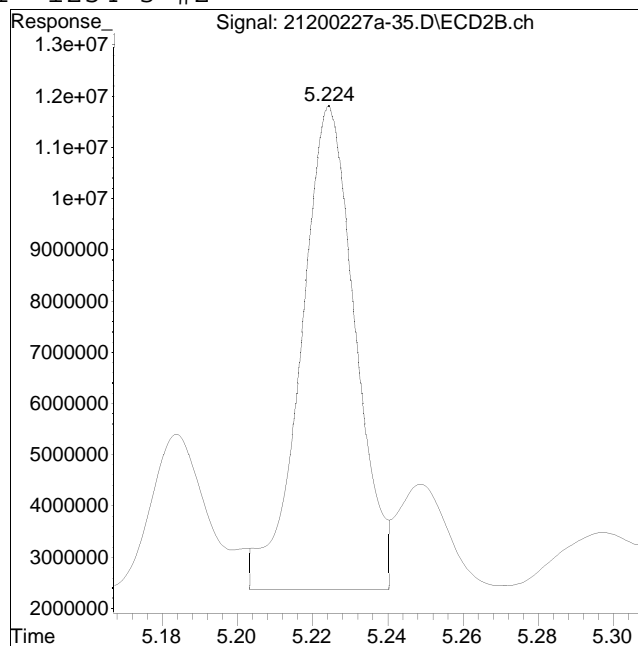
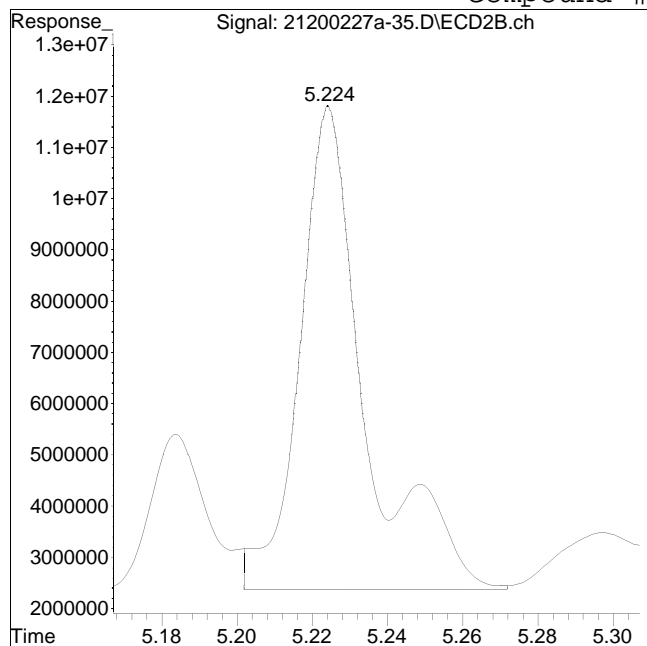
Manual Peak Response = 51406946 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-35.D Operator : pest21:cw
Date Inj'd : 2/27/2020 7:31 pm Instrument : Pest 21
Sample : 12007286-10d,42e,20, Quant Date : 3/2/2020 12:42 pm

Compound #71: 1254-3 #2



Original Peak Response = 114521921

Manual Peak Response = 94312890 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:08 pm
 Operator : pest23:aws
 Sample : l2007286-12,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:39:51 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:32:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.923	1.018	23638565	26683435	250.000	250.000
Standard Area 1 : #1 = 18411280				Recovery =		128.39%
Standard Area 1 : #2 = 21641225				Recovery =		123.30%
14) i 2154_1br2nb	0.923	1.018	23638565	26683435	250.000	250.000
23) i 4268_1br2nb	0.923	1.018	23638565	26683435	250.000	250.000
34) i 1248_1br2nb	0.923	1.018	23638565	26683435	250.000	250.000
40) i 3262_1br2nb	0.923	1.018	23638565	26683435	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.358	53736589	60750035	371.884	411.927
Spiked Amount 500.000 Range 30 - 150				Recovery =	74.38%	82.39%
3) s Decachlorobi	3.527	4.154	45005515	47259932	460.000M2	355.078M4
Spiked Amount 500.000 Range 30 - 150				Recovery =	92.00%	71.02%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272f	2.717f	4094428	4852364	572.467M2	592.758M2
10) l2 1260-2	2.389f	2.817f	9536541	9039595	873.325M2	935.600M2
11) l2 1260-3	2.682f	3.192f	5889131	6219806	870.888M2	757.289M2

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:08 pm
 Operator : pest23:aws
 Sample : 12007286-12,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:39:51 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:32:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12) 12	1260-4	2.826f	3.321f	15542250	17502079	1074.532M2	1035.778M2
13) 12	1260-5	2.965f	3.517f	8698310	12465381	1128.121M2	1041.271M2
	Sum 1260-1			43760661	50079225	4519.333	4362.695
	Average 1260-1					903.867	872.539
15) 13	1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13	1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D.
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:08 pm
 Operator : pest23:aws
 Sample : 12007286-12,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:39:51 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:32:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D.
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D.
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D.
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:08 pm
 Operator : pest23:aws
 Sample : 12007286-12,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:39:51 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:32:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

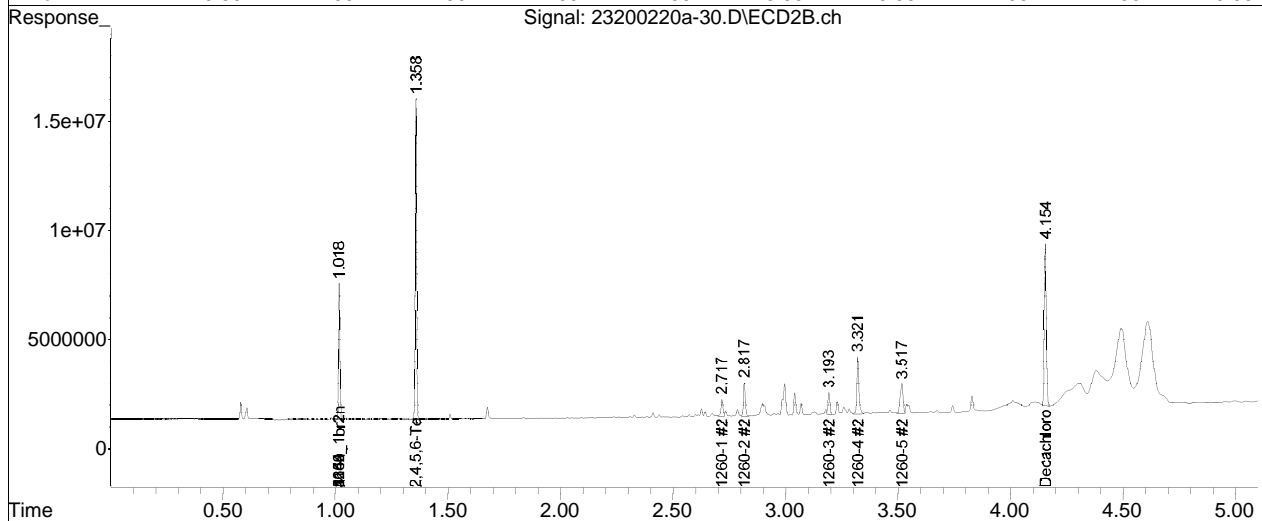
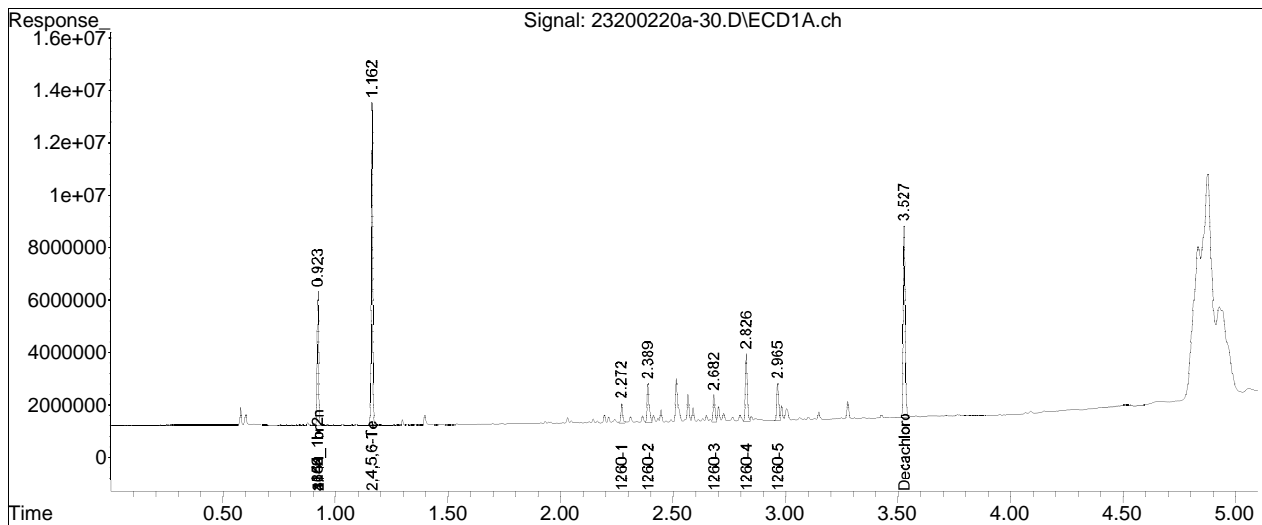
Sub List : Default - All compounds listed20a\23200220a-22.D**

Data Path : I:\Pest23\data\2020\23200220a\
Data File : 23200220a-30.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2020 08:08 pm
Operator : pest23:aws
Sample : 12007286-12,42e,,
Misc : wg1342660,wg1342440,ical16474
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 16:39:51 2020
Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Fri Feb 21 16:32:13 2020
Response via : Initial Calibration
Integrator: ChemStation

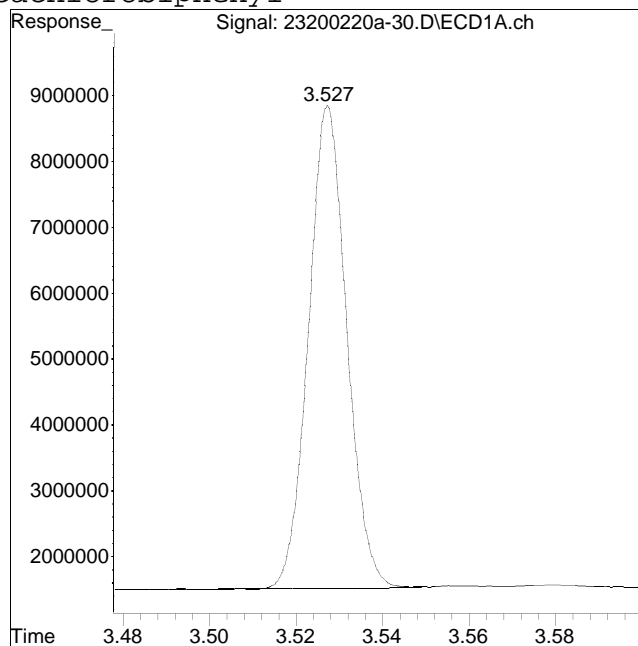
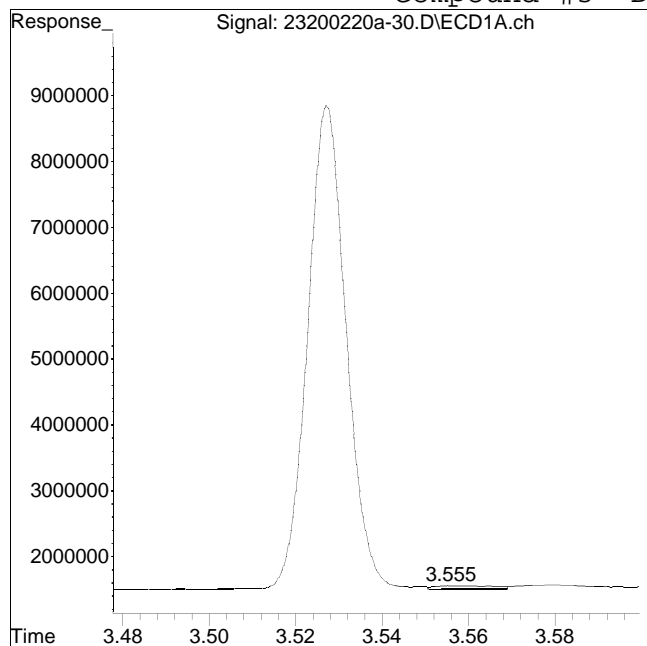
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-30.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:08 pm Instrument : Pest 23
Sample : 12007286-12,42e,, Quant Date : 2/21/2020 4:34 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 440234

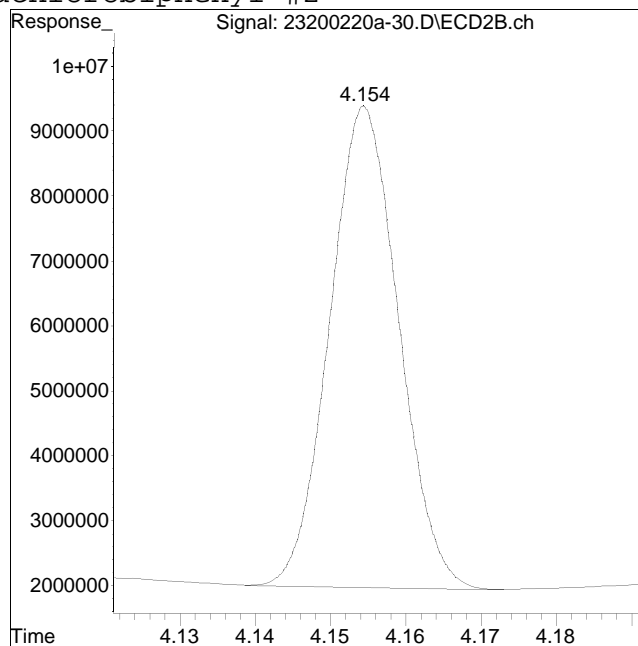
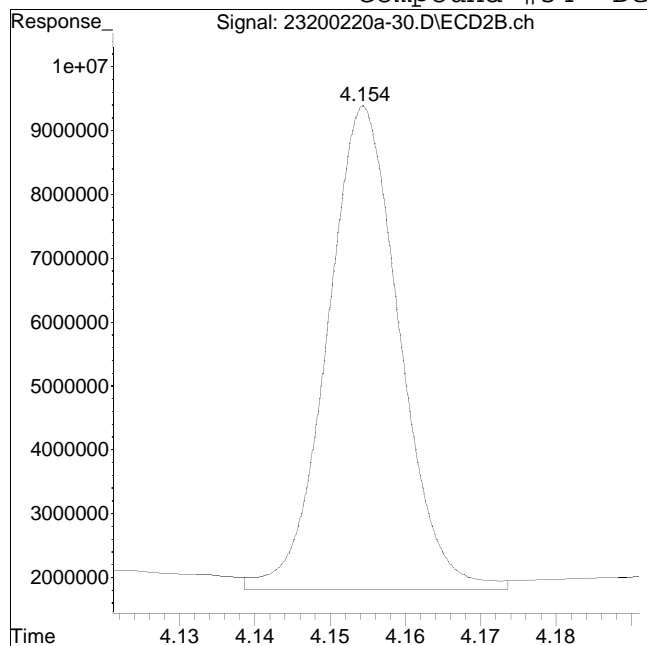
Manual Peak Response = 45005515 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-30.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:08 pm Instrument : Pest 23
Sample : 12007286-12,42e,, Quant Date : 2/21/2020 4:34 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 50465120

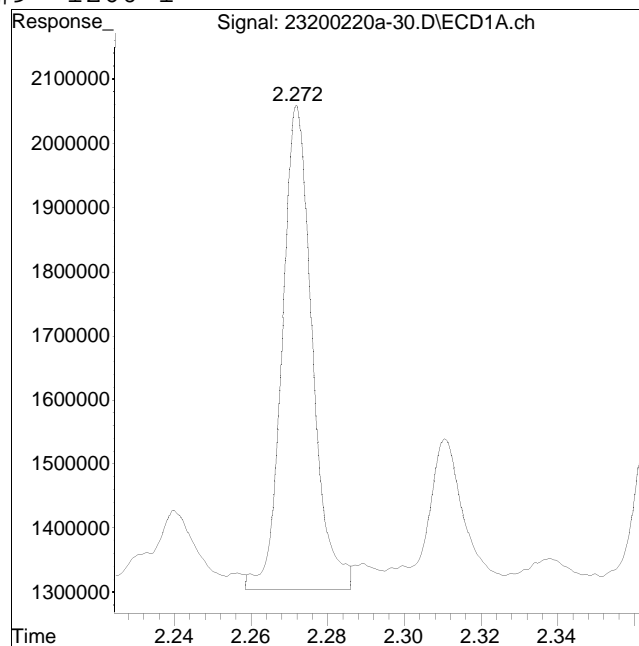
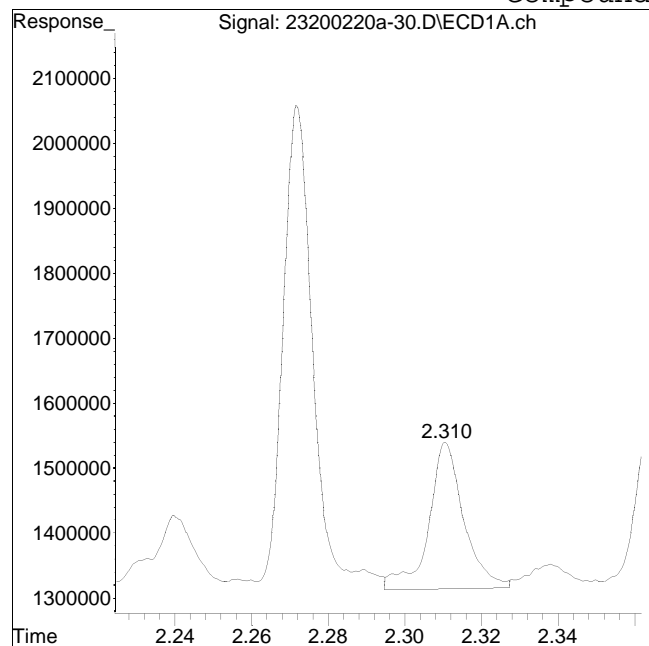
Manual Peak Response = 47259932 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-30.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:08 pm Instrument : Pest 23
Sample : 12007286-12,42e,, Quant Date : 2/21/2020 4:34 pm

Compound #9: 1260-1



Original Peak Response = 1451084

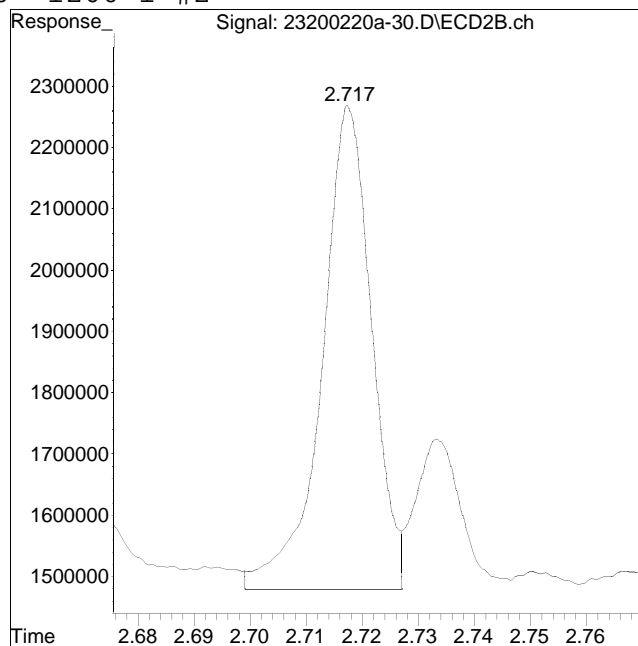
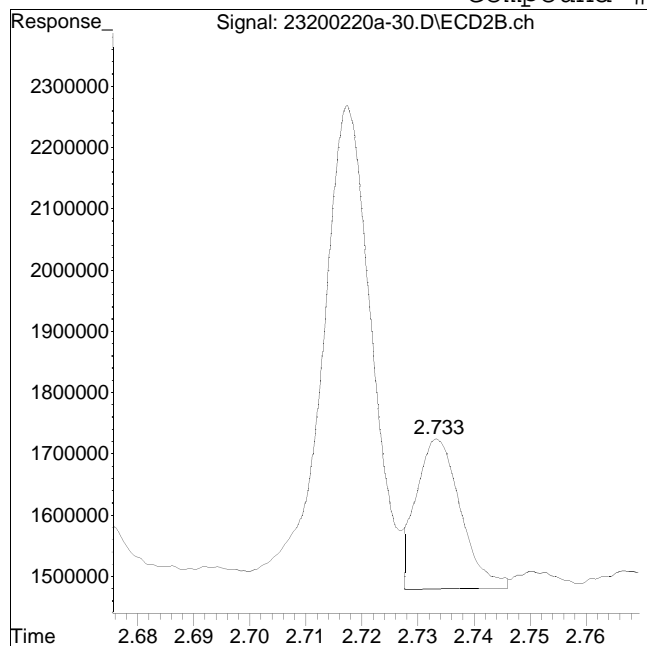
Manual Peak Response = 4094428 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-30.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:08 pm Instrument : Pest 23
Sample : 12007286-12,42e,, Quant Date : 2/21/2020 4:34 pm

Compound #60: 1260-1 #2



Original Peak Response = 1370544

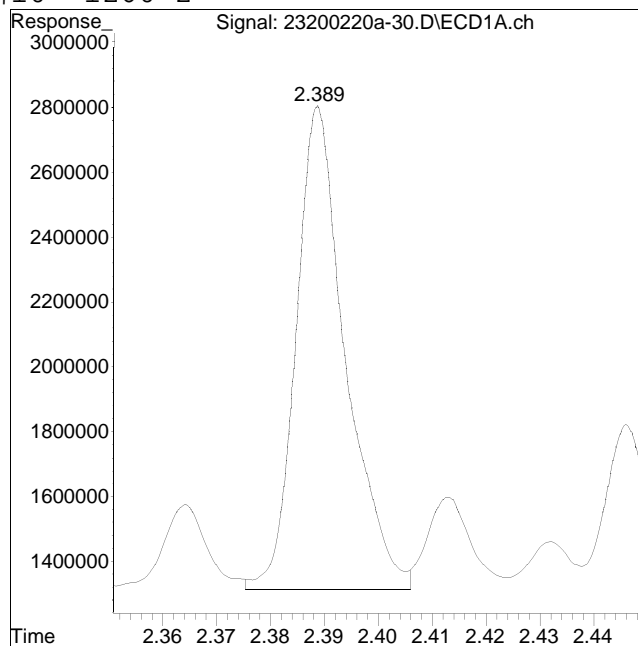
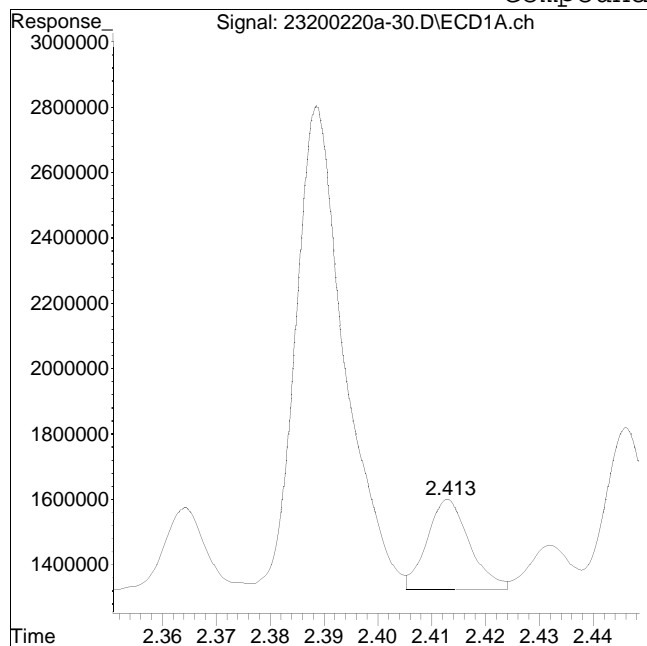
Manual Peak Response = 4852364 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-30.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:08 pm Instrument : Pest 23
Sample : 12007286-12,42e,, Quant Date : 2/21/2020 4:34 pm

Compound #10: 1260-2



Original Peak Response = 1508991

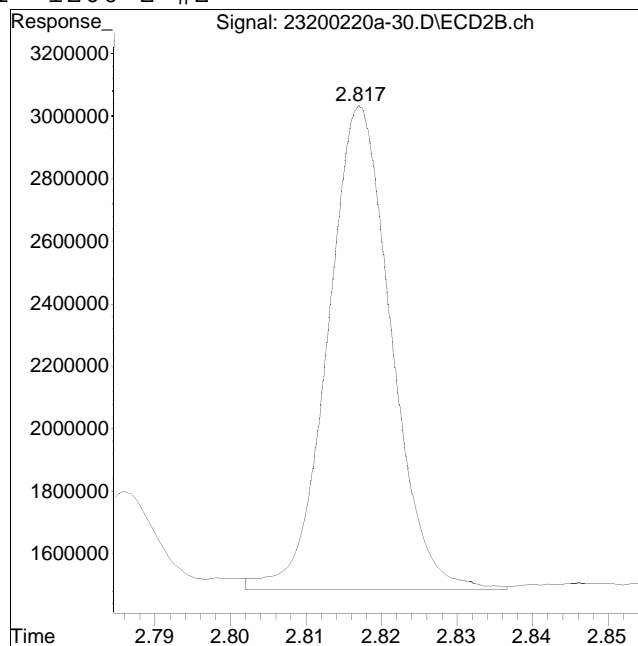
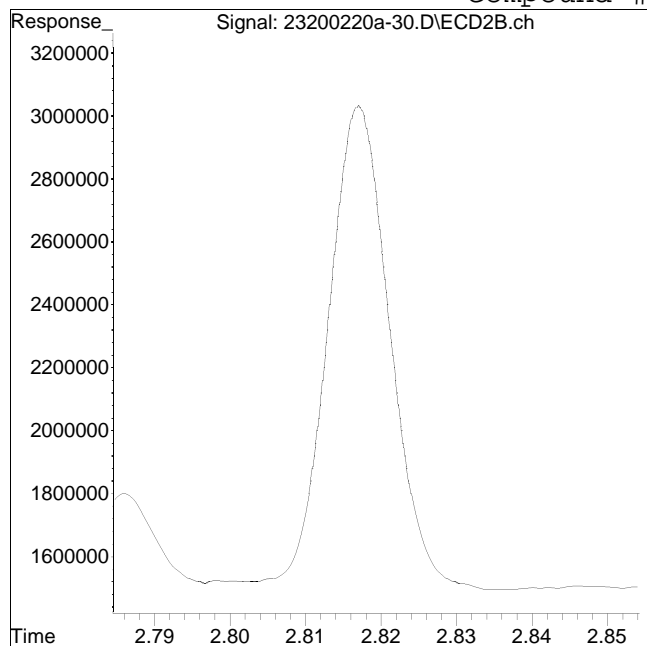
Manual Peak Response = 9536541 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-30.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:08 pm Instrument : Pest 23
Sample : 12007286-12,42e,, Quant Date : 2/21/2020 4:34 pm

Compound #61: 1260-2 #2



Original Peak Response = 0

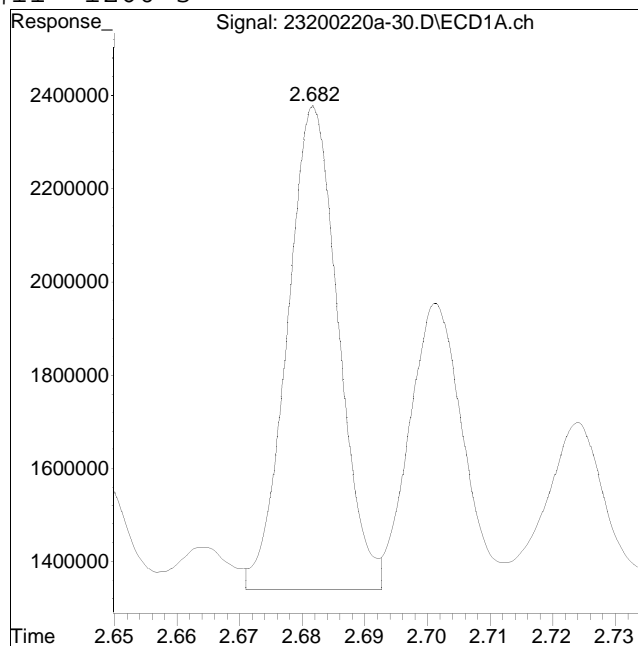
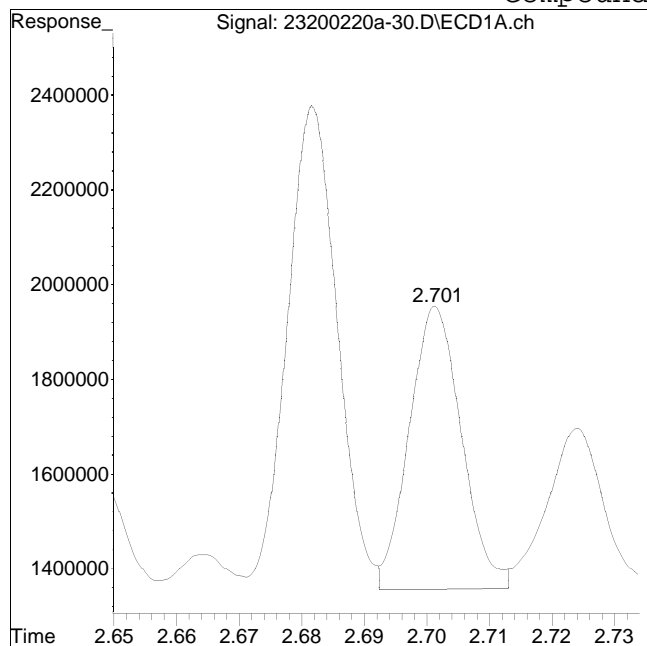
Manual Peak Response = 9039595 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-30.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:08 pm Instrument : Pest 23
Sample : 12007286-12,42e,, Quant Date : 2/21/2020 4:34 pm

Compound #11: 1260-3



Original Peak Response = 3467844

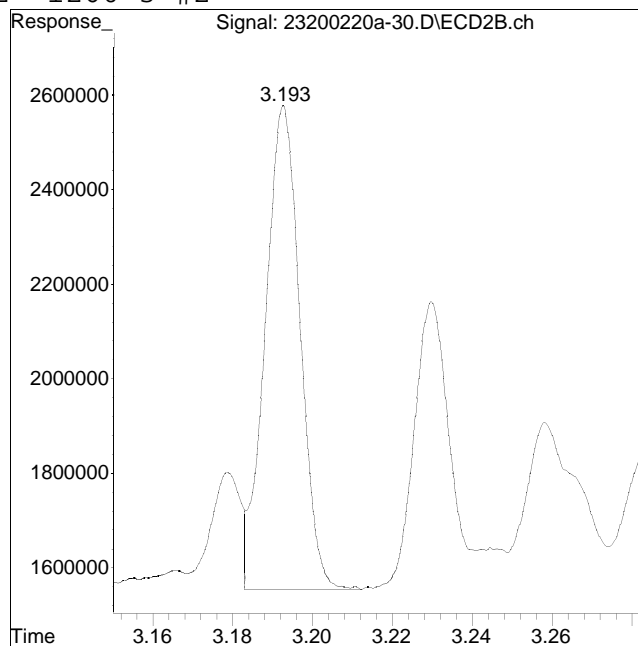
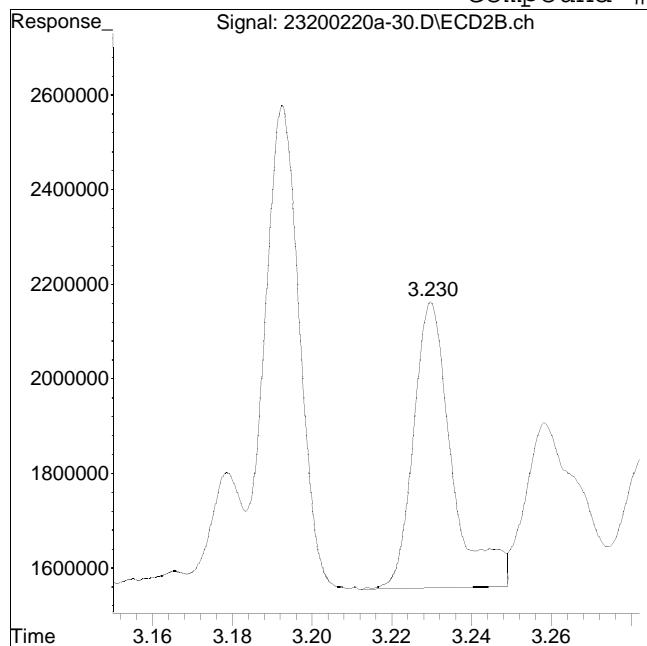
Manual Peak Response = 5889131 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-30.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:08 pm Instrument : Pest 23
Sample : 12007286-12,42e,, Quant Date : 2/21/2020 4:34 pm

Compound #62: 1260-3 #2



Original Peak Response = 4032981

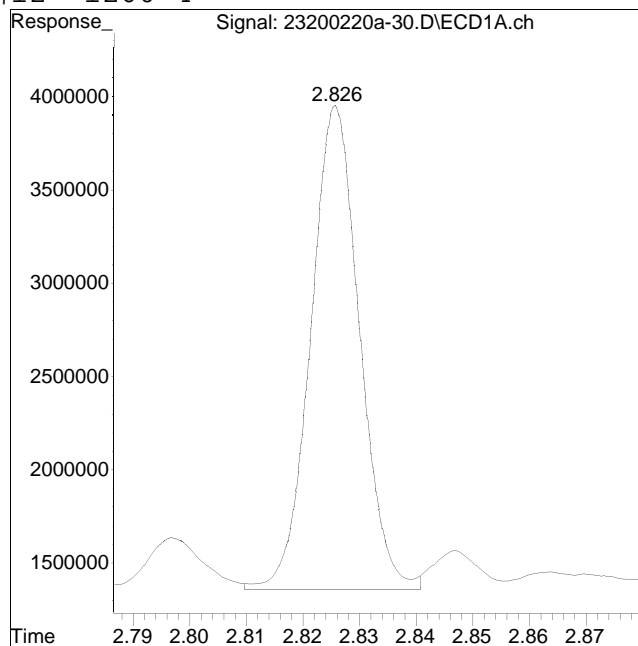
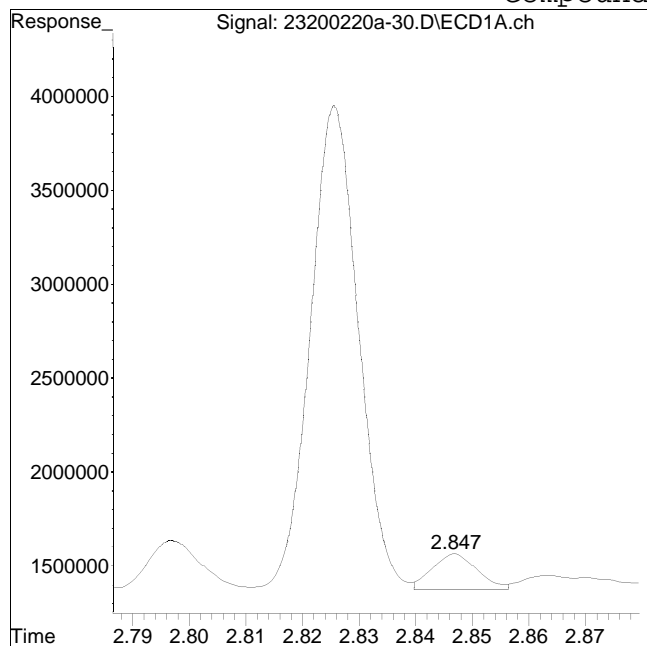
Manual Peak Response = 6219806 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-30.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:08 pm Instrument : Pest 23
Sample : 12007286-12,42e,, Quant Date : 2/21/2020 4:34 pm

Compound #12: 1260-4



Original Peak Response = 1052718

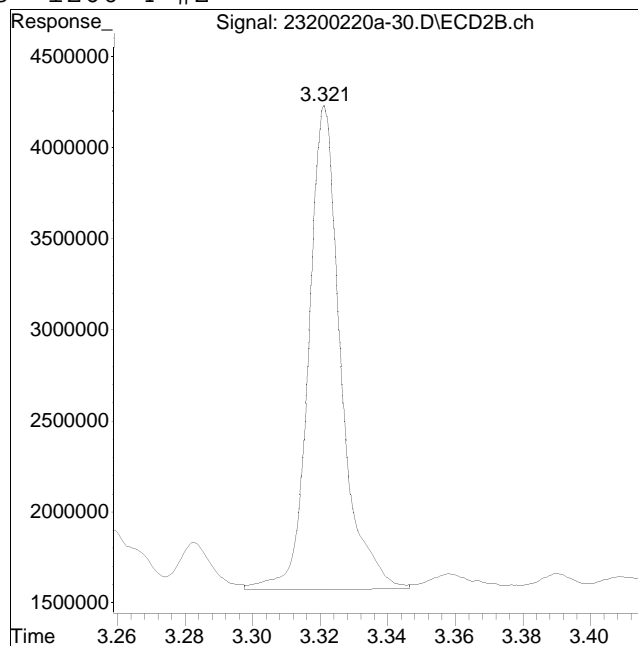
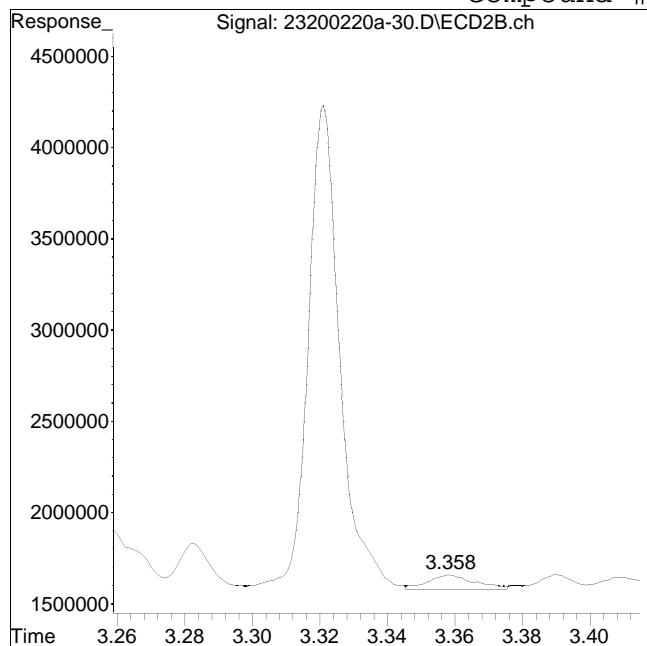
Manual Peak Response = 15542250 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-30.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:08 pm Instrument : Pest 23
Sample : 12007286-12,42e,, Quant Date : 2/21/2020 4:34 pm

Compound #63: 1260-4 #2



Original Peak Response = 779507

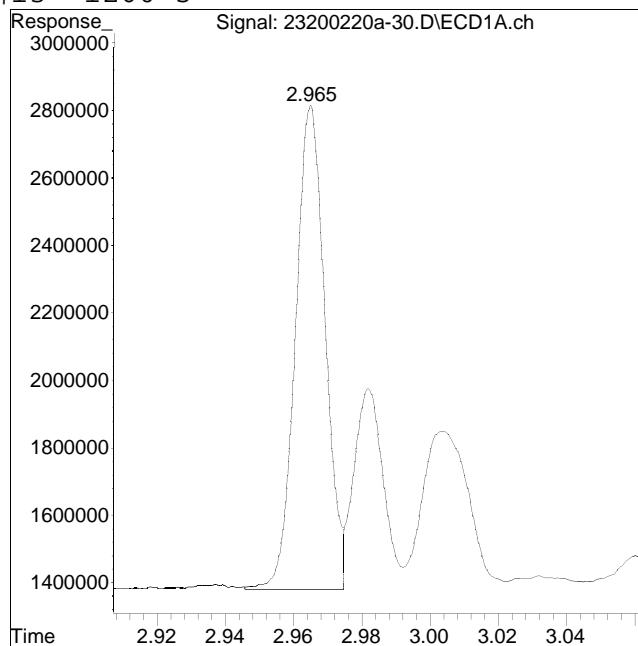
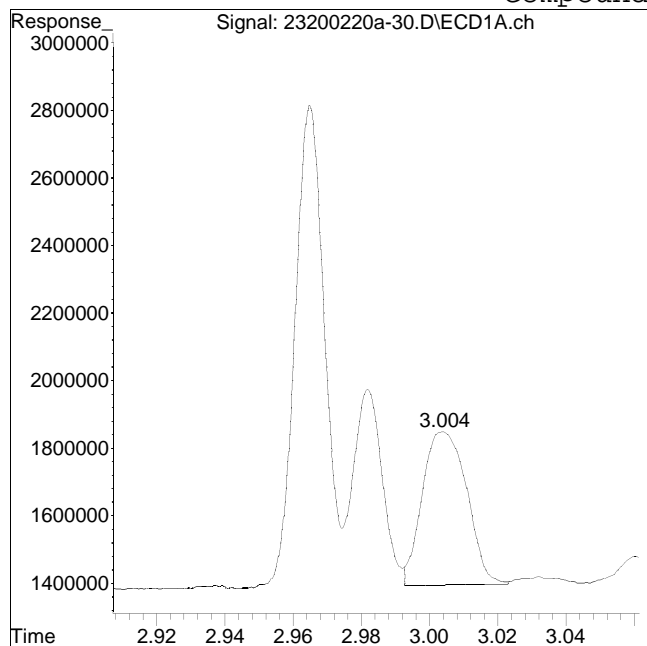
Manual Peak Response = 17502079 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-30.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:08 pm Instrument : Pest 23
Sample : 12007286-12,42e,, Quant Date : 2/21/2020 4:34 pm

Compound #13: 1260-5



Original Peak Response = 4141419

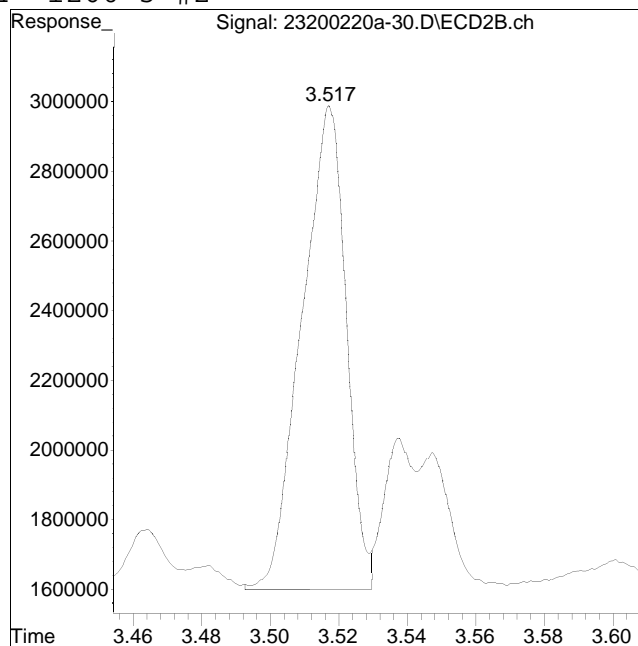
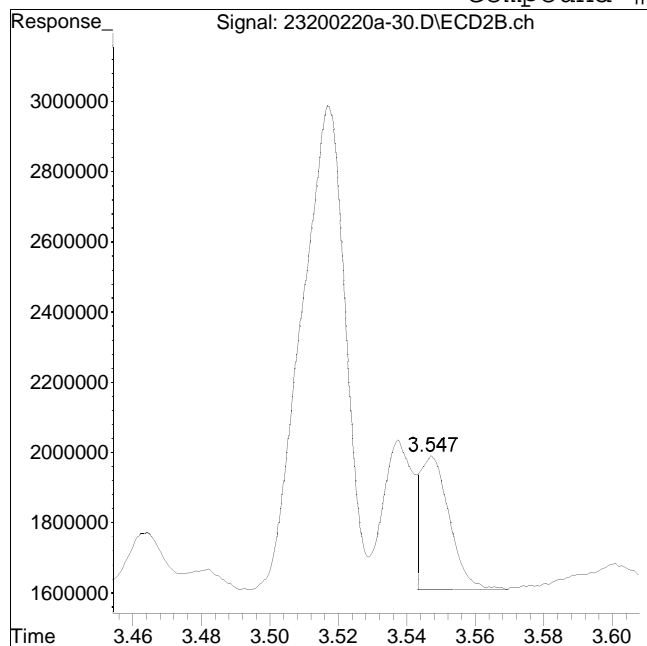
Manual Peak Response = 8698310 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-30.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:08 pm Instrument : Pest 23
Sample : 12007286-12,42e,, Quant Date : 2/21/2020 4:34 pm

Compound #64: 1260-5 #2



Original Peak Response = 2312918

Manual Peak Response = 12465381 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:15 pm
 Operator : pest23:aws
 Sample : l2007286-14,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:42:48 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.018	25152507	28851547	250.000	250.000
Standard Area 1 : #1 = 18411280					Recovery =	136.61%
Standard Area 1 : #2 = 21641225					Recovery =	133.32%
14) i 2154_1br2nb	0.923	1.018	25152507	28851547	250.000	250.000
23) i 4268_1br2nb	0.923	1.018	25152507	28851547	250.000	250.000
34) i 1248_1br2nb	0.923	1.018	25152507	28851547	250.000	250.000
40) i 3262_1br2nb	0.923	1.018	25152507	28851547	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.359	51129382	57202415	332.543	358.724
Spiked Amount 500.000	Range 30 - 150				Recovery =	66.51%
71.74%						
3) s Decachlorobi	3.527	4.155	45196685	48969963	433.481	340.278
Spiked Amount 500.000	Range 30 - 150				Recovery =	86.70%
68.06%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.718	38842627	44328339	5103.937	5008.160
10) l2 1260-2	2.389	2.817	69065879	64397005	5944.129	6164.237
11) l2 1260-3	2.682	3.193	43293944	56966624	6016.974	6414.720
12) l2 1260-4	2.826	3.322	117.5E6	139.4E6	7633.496	7630.432
13) l2 1260-5	2.965	3.519	72720685	107.1E6	8863.775	8272.037
Sum 1260-1			341.4E6	412.2E6	33562.311	33489.587
Average 1260-1					6712.462	6697.917

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:15 pm
 Operator : pest23:aws
 Sample : 12007286-14,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:42:48 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:15 pm
 Operator : pest23:aws
 Sample : l2007286-14,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:42:48 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:15 pm
 Operator : pest23:aws
 Sample : l2007286-14,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:42:48 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

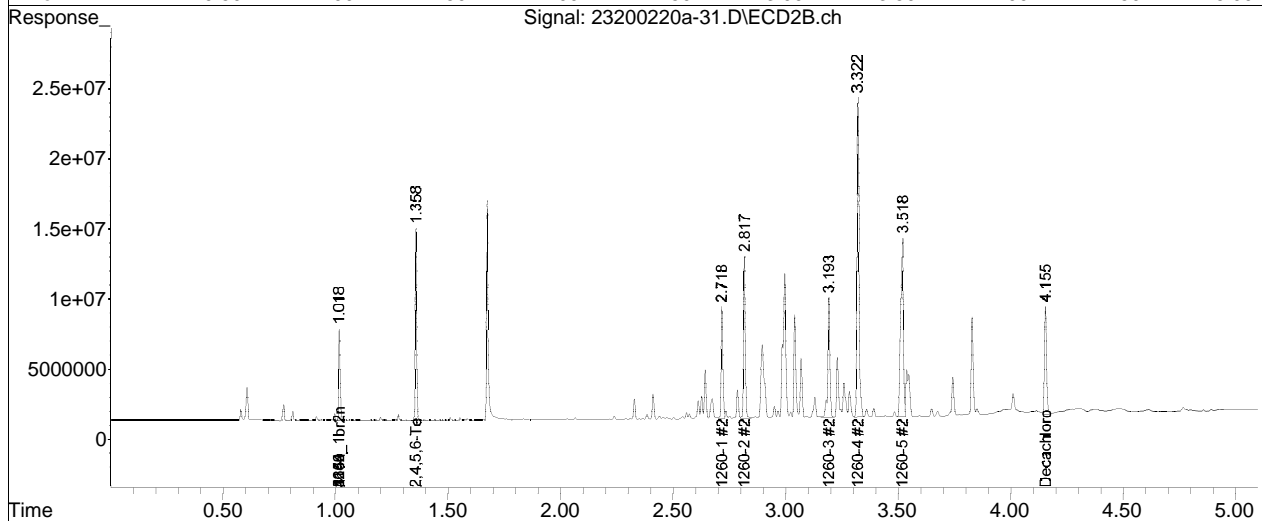
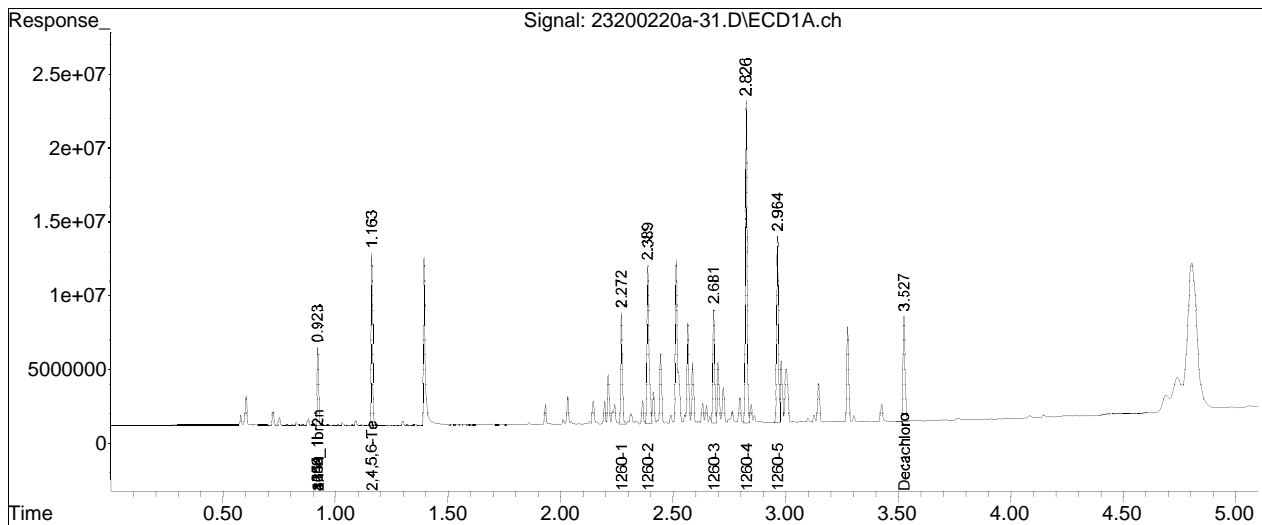
Sub List : Default - All compounds listed20a\23200220a-22.D••

Data Path : I:\Pest23\data\2020\23200220a\
Data File : 23200220a-31.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2020 08:15 pm
Operator : pest23:aws
Sample : 12007286-14,42e,,
Misc : wg1342660,wg1342440,ical16474
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 16:42:48 2020
Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Fri Feb 21 16:40:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-31.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:15 pm Instrument : Pest 23
Sample : 12007286-14,42e,, Quant Date : 2/21/2020 4:40 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:21 pm
 Operator : pest23:aws
 Sample : l2007286-15,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:43:17 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.925	1.019	26014581	28488497	250.000	250.000
Standard Area 1 : #1 = 18411280					Recovery =	141.30%
Standard Area 1 : #2 = 21641225					Recovery =	131.64%
14) i 2154_1br2nb	0.925	1.019	26014581	28488497	250.000	250.000
23) i 4268_1br2nb	0.925	1.019	26014581	28488497	250.000	250.000
34) i 1248_1br2nb	0.925	1.019	26014581	28488497	250.000	250.000
40) i 3262_1br2nb	0.925	1.019	26014581	28488497	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.359	45878074	50064324	288.500	317.961
Spiked Amount 500.000	Range 30 - 150				Recovery =	57.70%
3) s Decachlorobi	3.528	4.155	36257150	39019761	333.554	274.592
Spiked Amount 500.000	Range 30 - 150				Recovery =	66.71%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.273	2.718	4071659	4999212	517.288	572.002
10) l2 1260-2	2.390	2.818	5752159	6093156	478.652	590.685
11) l2 1260-3	2.682	3.193	5151569	4891361	692.237	557.810
12) l2 1260-4	2.826	3.322	10300466	13154913	647.093	729.184
13) l2 1260-5	2.965	3.519	6384311	8914275	752.384	697.455
Sum 1260-1			31660165	38052918	3087.654	3147.137
Average 1260-1					617.531	629.427

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:21 pm
 Operator : pest23:aws
 Sample : 12007286-15,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:43:17 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:21 pm
 Operator : pest23:aws
 Sample : 12007286-15,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:43:17 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:21 pm
 Operator : pest23:aws
 Sample : l2007286-15,42e,,
 Misc : wgl342660,wgl342440,ical16474
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:43:17 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

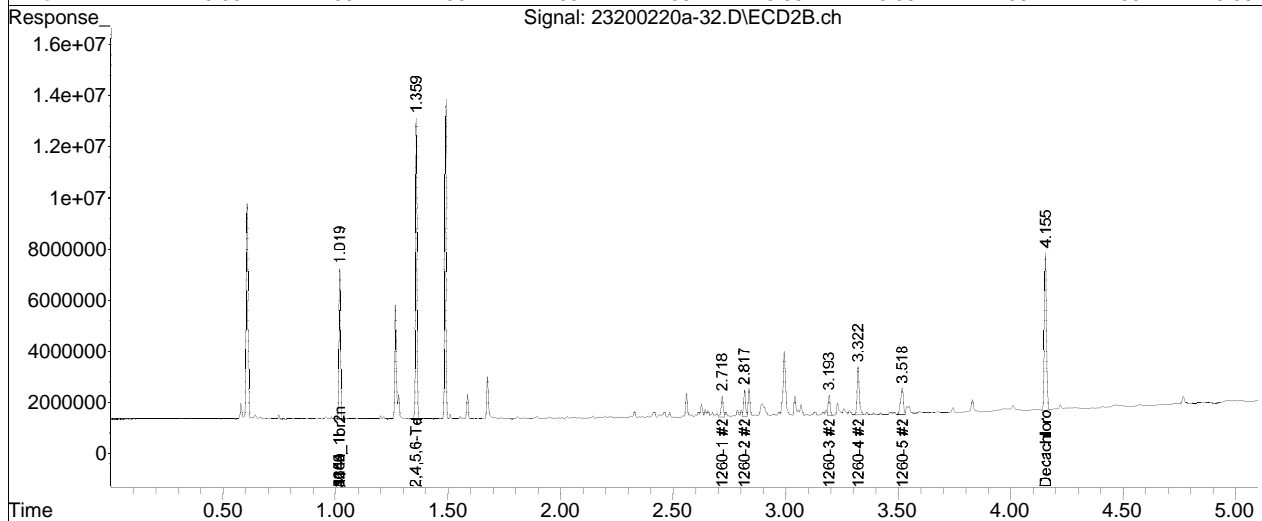
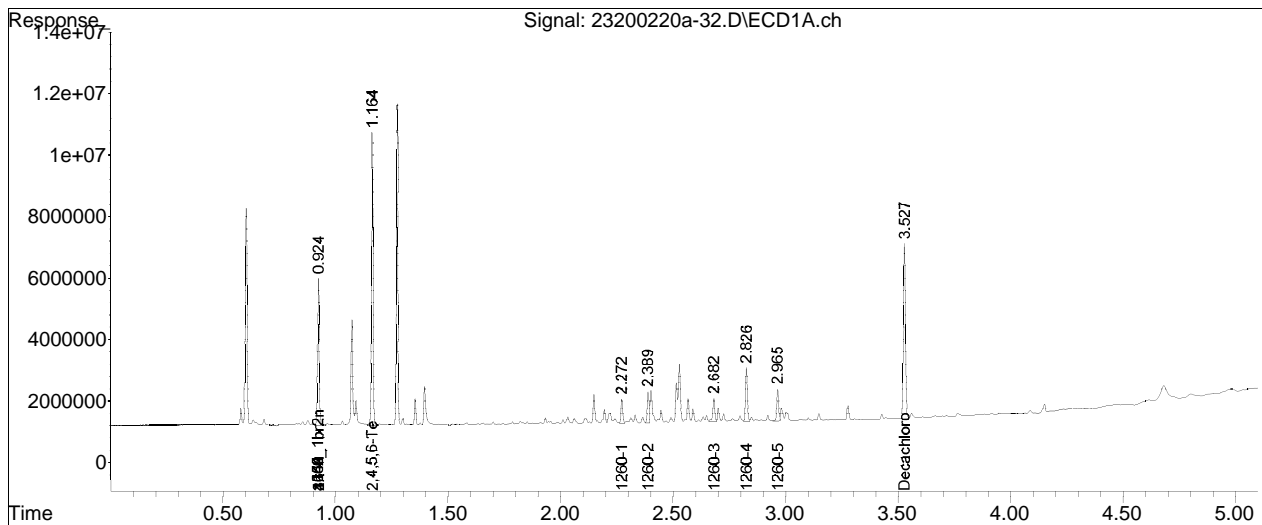
Sub List : Default - All compounds listed20a\23200220a-22.D**

Data Path : I:\Pest23\data\2020\23200220a\
Data File : 23200220a-32.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2020 08:21 pm
Operator : pest23:aws
Sample : 12007286-15,42e,,
Misc : wg1342660,wg1342440,ical16474
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 16:43:17 2020
Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Fri Feb 21 16:40:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-32.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:21 pm Instrument : Pest 23
Sample : 12007286-15,42e,, Quant Date : 2/21/2020 4:40 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:28 pm
 Operator : pest23:aws
 Sample : l2007286-16,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:43:39 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.019	22515836	26046303	250.000	250.000
Standard Area 1 : #1 = 18411280					Recovery =	122.29%
Standard Area 1 : #2 = 21641225					Recovery =	120.36%
14) i 2154_1br2nb	0.924	1.019	22515836	26046303	250.000	250.000
23) i 4268_1br2nb	0.924	1.019	22515836	26046303	250.000	250.000
34) i 1248_1br2nb	0.924	1.019	22515836	26046303	250.000	250.000
40) i 3262_1br2nb	0.924	1.019	22515836	26046303	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.359	49154285	55496067	357.134	385.506
Spiked Amount 500.000	Range 30 -	150	Recovery =	71.43%	77.10%	
3) s Decachlorobi	3.527	4.155	52032237	55630345	560.878	428.192
Spiked Amount 500.000	Range 30 -	150	Recovery =	112.18%	85.64%	
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.718	9358412	9947373	1373.700	1244.882
10) l2 1260-2	2.389	2.817	21080290	20583159	2026.723	2182.472
11) l2 1260-3	2.681	3.193	9766576	10469596	1516.305	1305.901
12) l2 1260-4	2.825	3.321	23442580	28258436	1701.547	1713.250
13) l2 1260-5	2.965	3.518	14817406	21521019	2017.558	1841.691
Sum 1260-1			78465263	90779583	8635.834	8288.196
Average 1260-1					1727.167	1657.639

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:28 pm
 Operator : pest23:aws
 Sample : l2007286-16,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:43:39 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:28 pm
 Operator : pest23:aws
 Sample : 12007286-16,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:43:39 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:28 pm
 Operator : pest23:aws
 Sample : l2007286-16,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:43:39 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

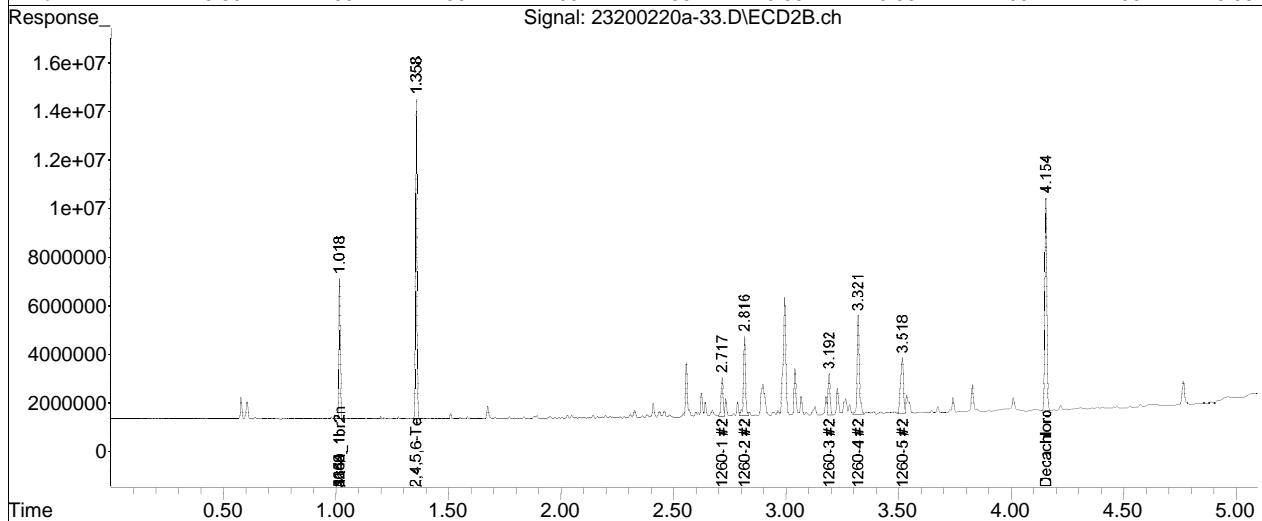
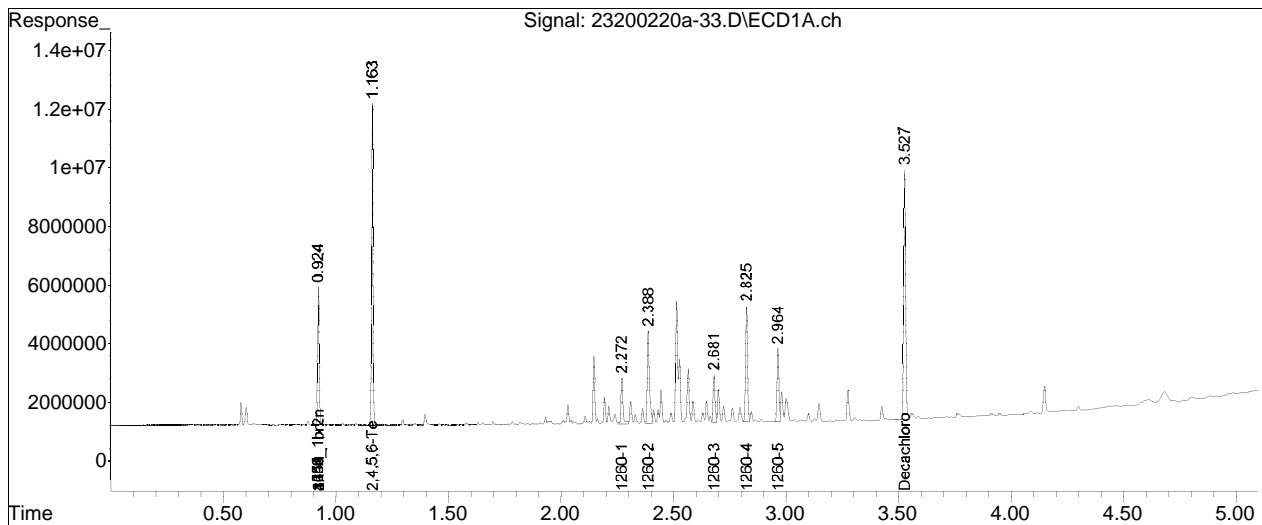
Sub List : Default - All compounds listed20a\23200220a-22.D**

Data Path : I:\Pest23\data\2020\23200220a\
Data File : 23200220a-33.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2020 08:28 pm
Operator : pest23:aws
Sample : 12007286-16,42e,,
Misc : wg1342660,wg1342440,ical16474
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 16:43:39 2020
Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Fri Feb 21 16:40:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-33.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:28 pm Instrument : Pest 23
Sample : 12007286-16,42e,, Quant Date : 2/21/2020 4:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:48 pm
 Operator : pest23:aws
 Sample : l2007286-19,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:44:09 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.019	27746709	31029860	250.000	250.000
Standard Area 1 : #1 = 18411280					Recovery =	150.70%
Standard Area 1 : #2 = 21641225					Recovery =	143.38%
14) i 2154_1br2nb	0.924	1.019	27746709	31029860	250.000	250.000
23) i 4268_1br2nb	0.924	1.019	27746709	31029860	250.000	250.000
34) i 1248_1br2nb	0.924	1.019	27746709	31029860	250.000	250.000
40) i 3262_1br2nb	0.924	1.019	27746709	31029860	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.359	55923352	60741268	329.716	354.176
Spiked Amount 500.000	Range 30 - 150				Recovery =	65.94%
70.84%						
3) s Decachlorobi	3.528	4.155	43398060	47059505	375.776	304.047
Spiked Amount 500.000	Range 30 - 150				Recovery =	75.16%
60.81%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.718	1974171	2619412	235.153	275.163
10) l2 1260-2	2.389	2.817	3274799	2908462	255.493	258.861
11) l2 1260-3	2.682	3.193	1752787	2077553	220.826	217.520
12) l2 1260-4	2.826	3.322	5108892	6877703	300.914	350.011
13) l2 1260-5	2.965	3.518	2981134	3693380	329.391	265.304
Sum 1260-1			15091783	18176510	1341.777	1366.859
Average 1260-1					268.355	273.372

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:48 pm
 Operator : pest23:aws
 Sample : l2007286-19,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:44:09 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:48 pm
 Operator : pest23:aws
 Sample : l2007286-19,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:44:09 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:48 pm
 Operator : pest23:aws
 Sample : l2007286-19,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:44:09 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

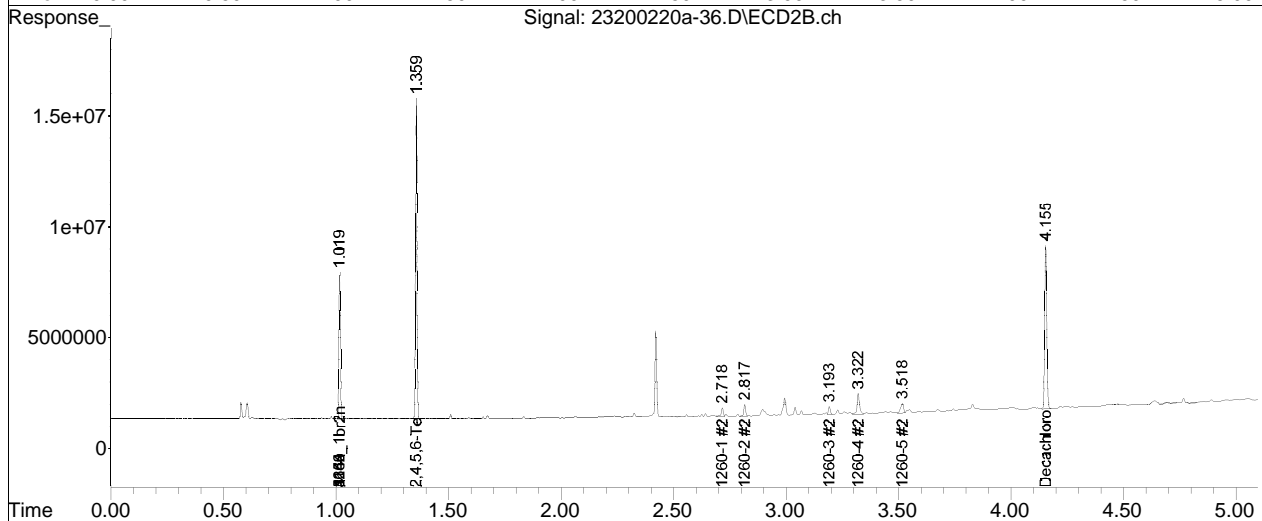
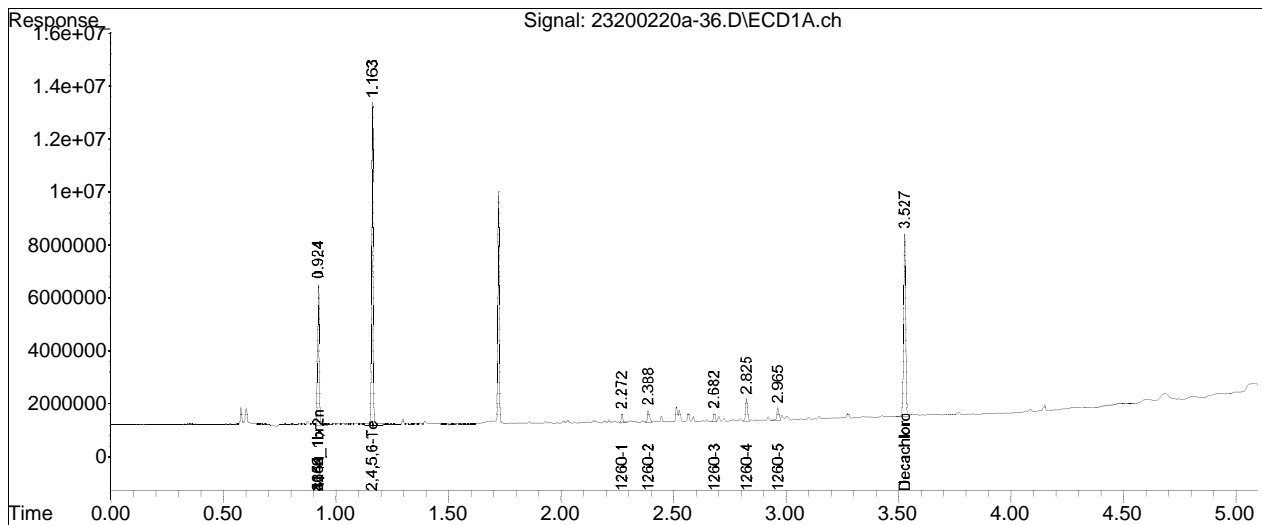
Sub List : Default - All compounds listed20a\23200220a-22.D••

Data Path : I:\Pest23\data\2020\23200220a\
Data File : 23200220a-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2020 08:48 pm
Operator : pest23:aws
Sample : l2007286-19,42e,,
Misc : wg1342660,wg1342440,ical16474
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 16:44:09 2020
Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Fri Feb 21 16:40:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-36.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:48 pm Instrument : Pest 23
Sample : 12007286-19,42e,, Quant Date : 2/21/2020 4:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:55 pm
 Operator : pest23:aws
 Sample : 12007286-22,42e,,p
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:44:34 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.019	24654754	28236660	250.000	250.000
Standard Area 1 : #1 = 18411280					Recovery =	133.91%
Standard Area 1 : #2 = 21641225					Recovery =	130.48%
14) i 2154_1br2nb	0.923	1.019	24654754	28236660	250.000	250.000
23) i 4268_1br2nb	0.923	1.019	24654754	28236660	250.000	250.000
34) i 1248_1br2nb	0.923	1.019	24654754	28236660	250.000	250.000
40) i 3262_1br2nb	0.923	1.019	24654754	28236660	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.359	51351974	58099011	340.733	372.281
Spiked Amount 500.000	Range 30 - 150				Recovery =	68.15%
74.46%						
3) s Decachlorobi	3.528	4.156	36069245	38604378	350.717	274.092
Spiked Amount 500.000	Range 30 - 150				Recovery =	70.14%
54.82%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.719	148559	388160	19.915	44.809
10) l2 1260-2	2.389	2.818	939384	1009962	82.480	98.781
11) l2 1260-3	2.685	3.193	541226	569744	76.738	65.553
12) l2 1260-4	2.826	3.322	989979	1521575	65.622	85.094
13) l2 1260-5	2.965	3.519	350039	707780	43.527	55.871
Sum 1260-1			2969186	4197220	288.282	350.108
Average 1260-1					57.656	70.022

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:55 pm
 Operator : pest23:aws
 Sample : l2007286-22,42e,,p
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:44:34 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D.
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D.
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:55 pm
 Operator : pest23:aws
 Sample : l2007286-22,42e,,p
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:44:34 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 08:55 pm
 Operator : pest23:aws
 Sample : l2007286-22,42e,,p
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:44:34 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

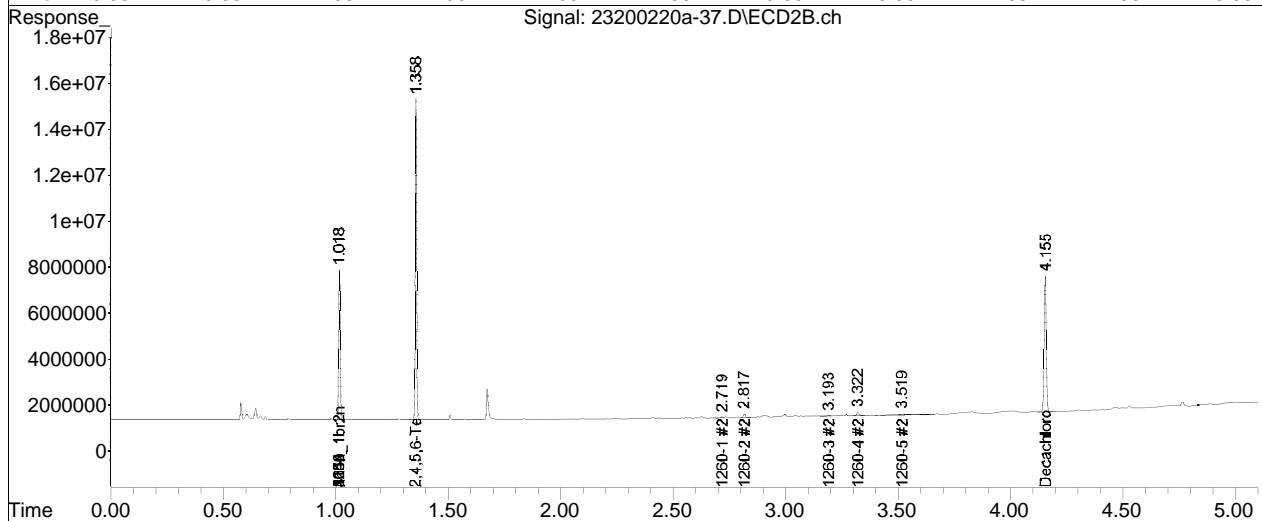
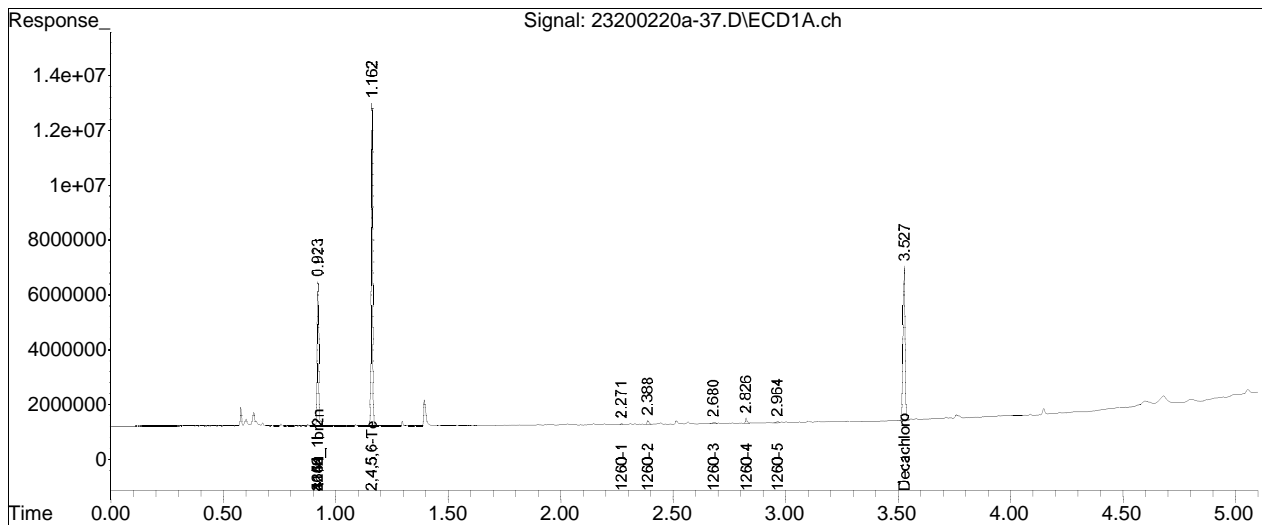
Sub List : Default - All compounds listed20a\23200220a-22.D••

Data Path : I:\Pest23\data\2020\23200220a\
Data File : 23200220a-37.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2020 08:55 pm
Operator : pest23:aws
Sample : l2007286-22,42e,,p
Misc : wg1342660,wg1342440,ical16474
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 16:44:34 2020
Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Fri Feb 21 16:40:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-37.D Operator : pest23:aws
Date Inj'd : 2/20/2020 8:55 pm Instrument : Pest 23
Sample : 12007286-22,42e,,p Quant Date : 2/21/2020 4:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-44.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:12 pm
 Operator : pest23:aws
 Sample : l2007286-20,42e,,
 Misc : wg1342660,wg1342440,ical16474 (Sig #1); wg1342660,wg1342532,ical16474 (Sig #2)
 ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:09:26 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.925	1.015	23042948	26858096	250.000	250.000
Standard Area 1 : #1 = 22415103				Recovery =		102.80%
Standard Area 1 : #2 = 25646562				Recovery =		104.72%
14) i 2154_1br2nb	0.925	1.015	23042948	26858096	250.000	250.000
23) i 4268_1br2nb	0.925	1.015	23042948	26858096	250.000	250.000
34) i 1248_1br2nb	0.925	1.015	23042948	26858096	250.000	250.000
40) i 3262_1br2nb	0.925	1.015	23042948	26858096	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.167	1.357	47880756	54112828	339.923	364.536
Spiked Amount 500.000	Range 30 - 150		Recovery =		67.98%	72.91%
3) s Decachlorobi	3.552	4.173	42529918	47864258	445.570	357.280M2
Spiked Amount 500.000	Range 30 - 150		Recovery =		89.11%	71.46%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.299f	2.737f	8612918	10290272	1235.351M2	1248.871M2
10) l2 1260-2	2.415f	2.836f	26219482	27351001	2463.156M2	2812.424M2
11) l2 1260-3	2.708f	3.211f	14253382	16942910	2162.281M2	2049.458M2

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-44.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:12 pm
 Operator : pest23:aws
 Sample : l2007286-20,42e,,
 Misc : wg1342660,wg1342440,ical16474 (Sig #1); wg1342660,wg1342532,ical16474 (Sig #2)
 ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:09:26 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12) 12	1260-4	2.852f	3.339f	36547663	45869263	2592.079M2	2696.902M2
13) 12	1260-5	2.991f	3.534f	20326800	37645505	2704.413M2	3124.193M2
	Sum 1260-1			106.0E6	138.1E6	11157.281	11931.849
	Average 1260-1					2231.456	2386.370
15) 13	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-44.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:12 pm
 Operator : pest23:aws
 Sample : l2007286-20,42e,,
 Misc : wg1342660,wg1342440,ical16474 (Sig #1); wg1342660,wg1342532,ical16474 (Sig #2)
 ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:09:26 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-44.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:12 pm
 Operator : pest23:aws
 Sample : l2007286-20,42e,,
 Misc : wg1342660,wg1342440,ical16474 (Sig #1); wg1342660,wg1342532,ical16474 (Sig #2)
 ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:09:26 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

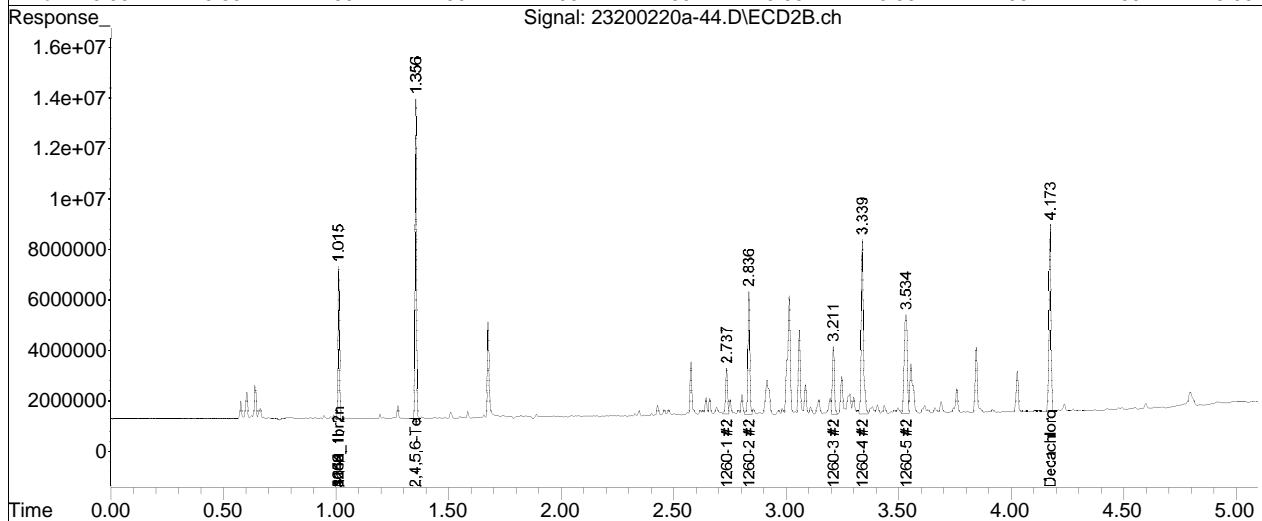
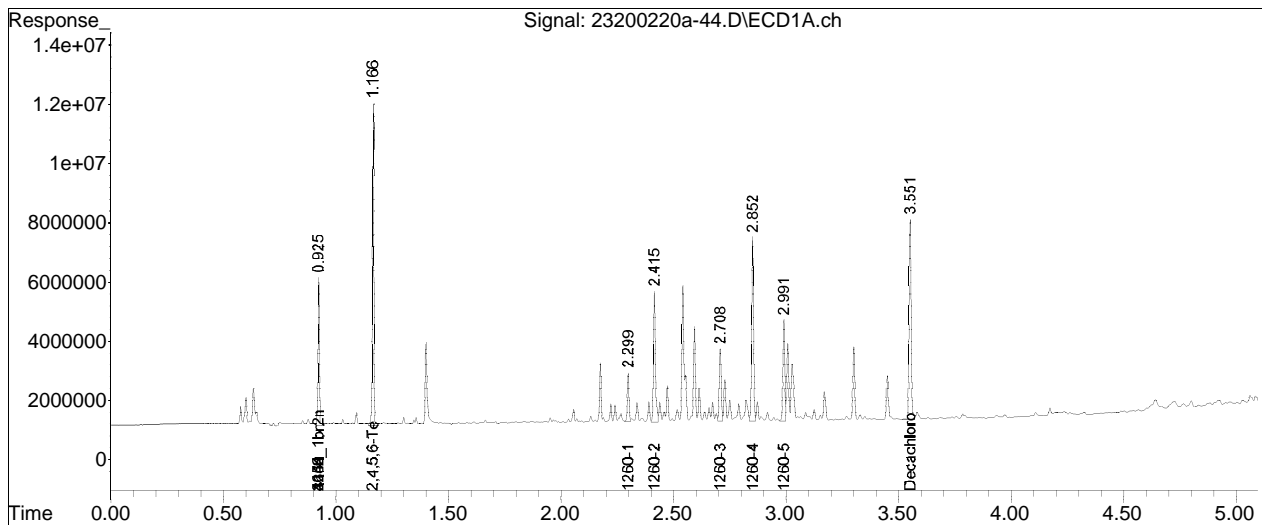
Sub List : Default - All compounds listed20a\23200220a-43.D**

Data Path : I:\Pest23\data\2020\23200220a\
Data File : 23200220a-44.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2020 10:12 pm
Operator : pest23:aws
Sample : l2007286-20,42e,,
Misc : wg1342660,wg1342440,ical16474 (Sig #1); wg1342660,wg1342532,ical16
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 17:09:26 2020
Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Fri Feb 21 16:53:17 2020
Response via : Initial Calibration
Integrator: ChemStation

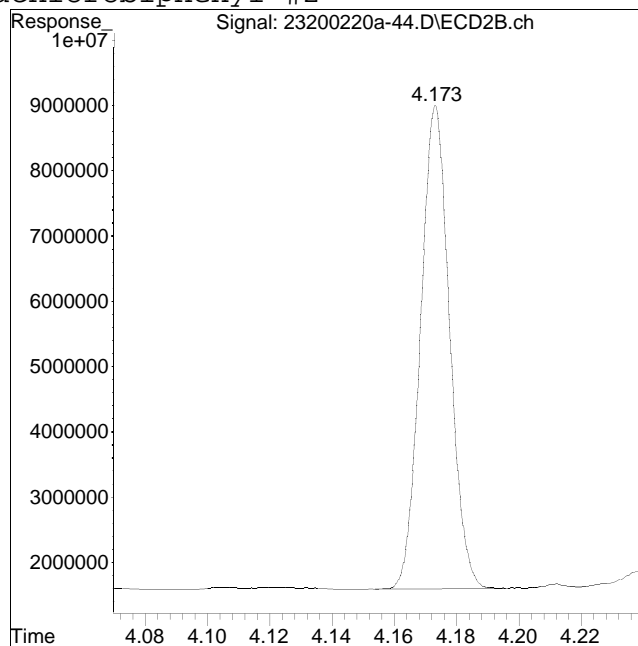
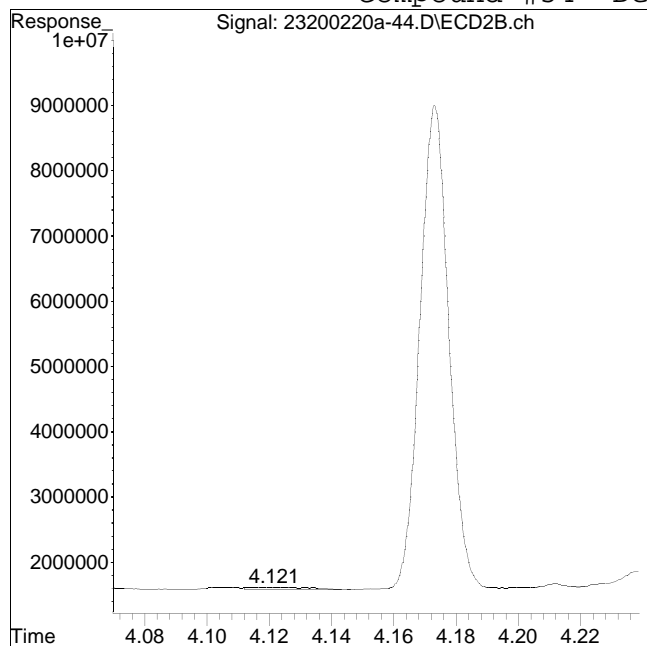
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-44.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:12 pm Instrument : Pest 23
Sample : 12007286-20,42e,, Quant Date : 2/21/2020 4:53 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 474174

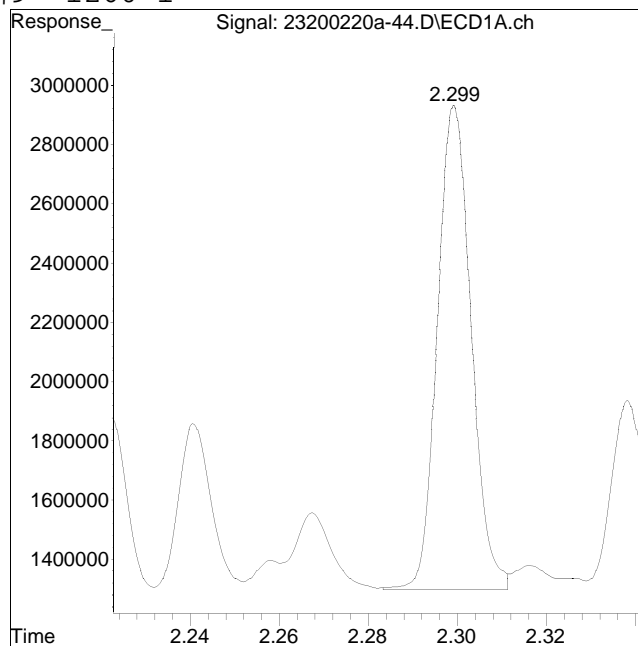
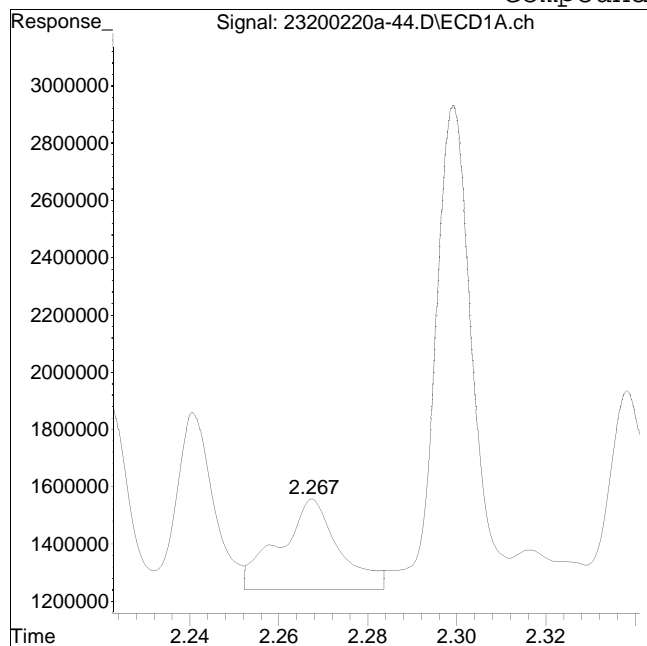
Manual Peak Response = 47864258 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-44.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:12 pm Instrument : Pest 23
Sample : 12007286-20,42e,, Quant Date : 2/21/2020 4:53 pm

Compound #9: 1260-1



Original Peak Response = 2927227

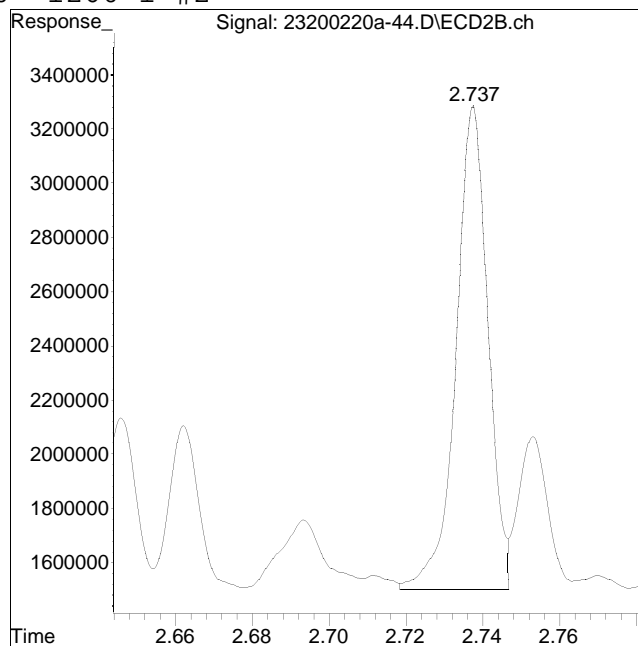
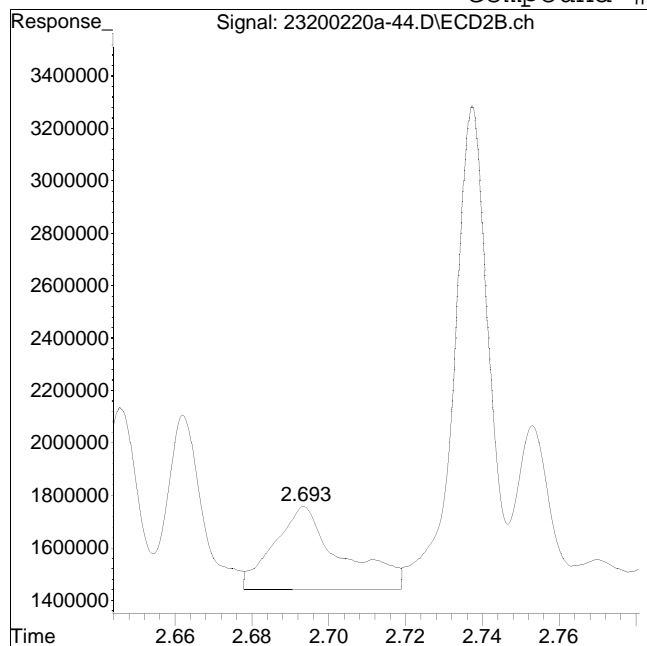
Manual Peak Response = 8612918 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-44.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:12 pm Instrument : Pest 23
Sample : 12007286-20,42e,, Quant Date : 2/21/2020 4:53 pm

Compound #60: 1260-1 #2



Original Peak Response = 3811902

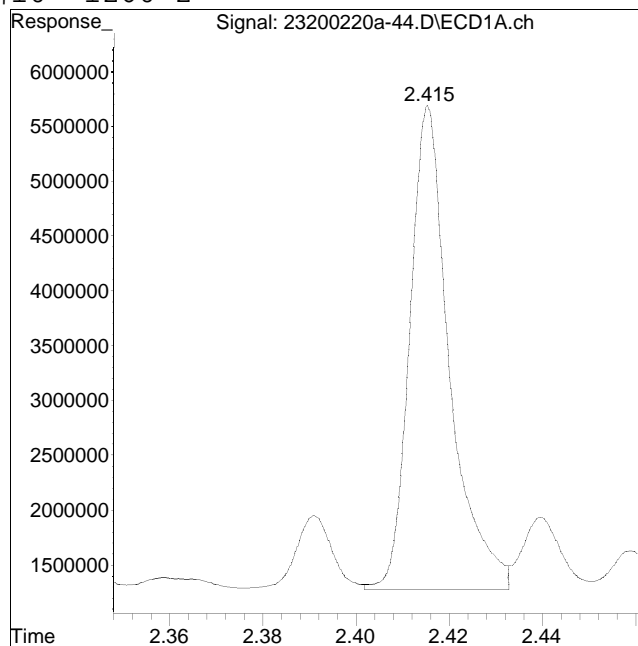
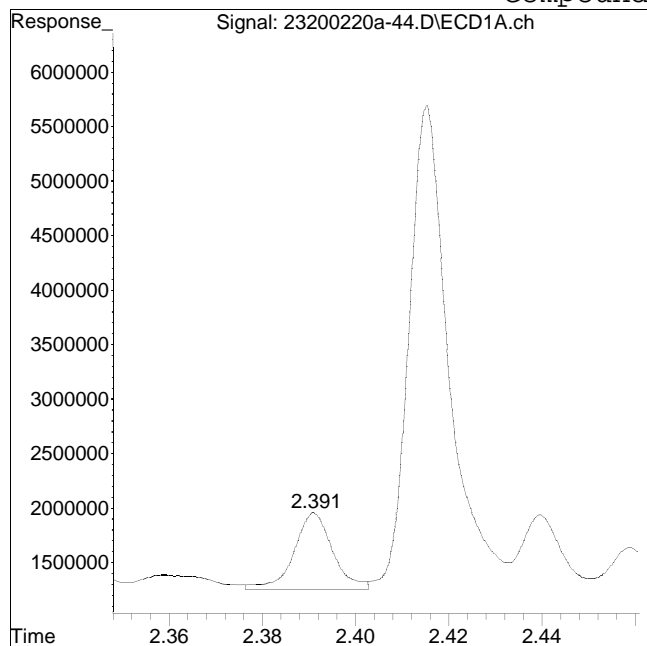
Manual Peak Response = 10290272 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-44.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:12 pm Instrument : Pest 23
Sample : 12007286-20,42e,, Quant Date : 2/21/2020 4:53 pm

Compound #10: 1260-2



Original Peak Response = 4074612

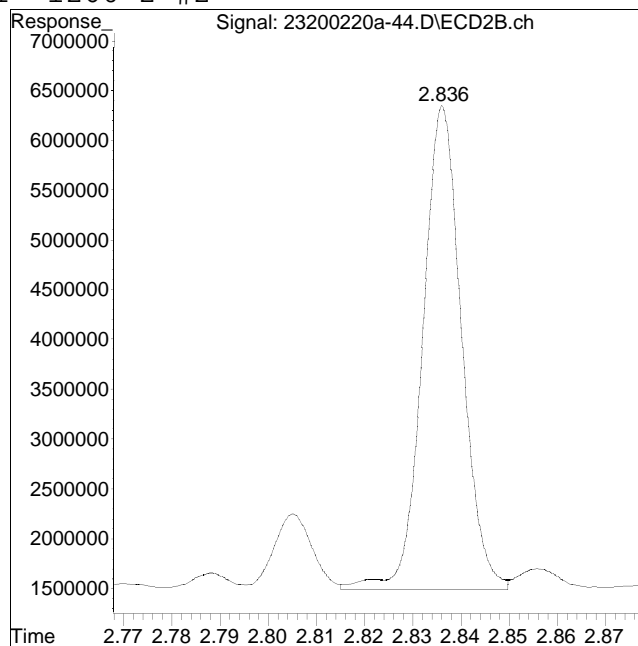
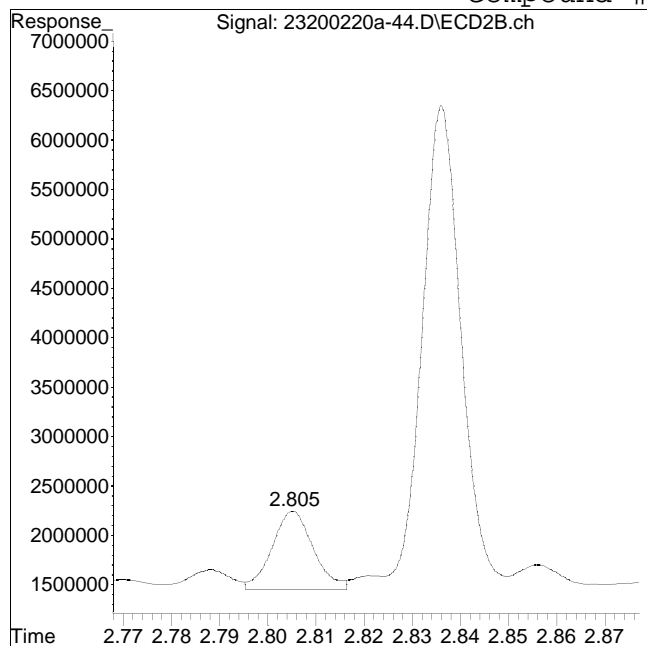
Manual Peak Response = 26219482 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-44.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:12 pm Instrument : Pest 23
Sample : 12007286-20,42e,, Quant Date : 2/21/2020 4:53 pm

Compound #61: 1260-2 #2



Original Peak Response = 4743969

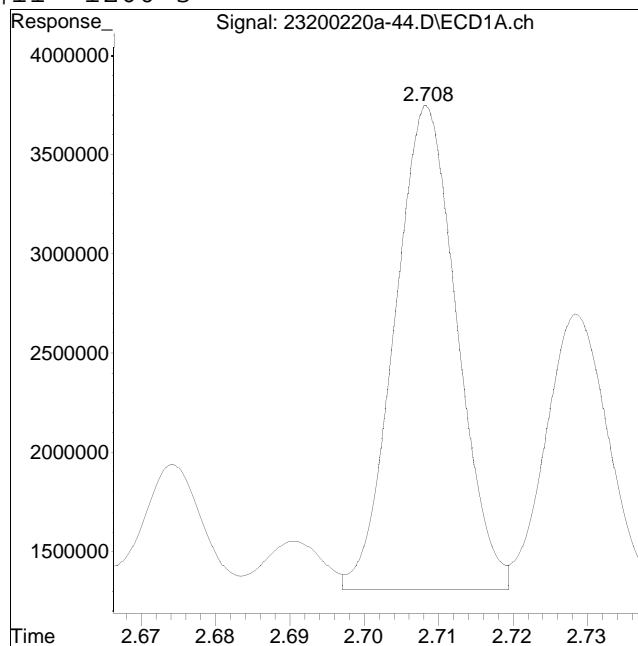
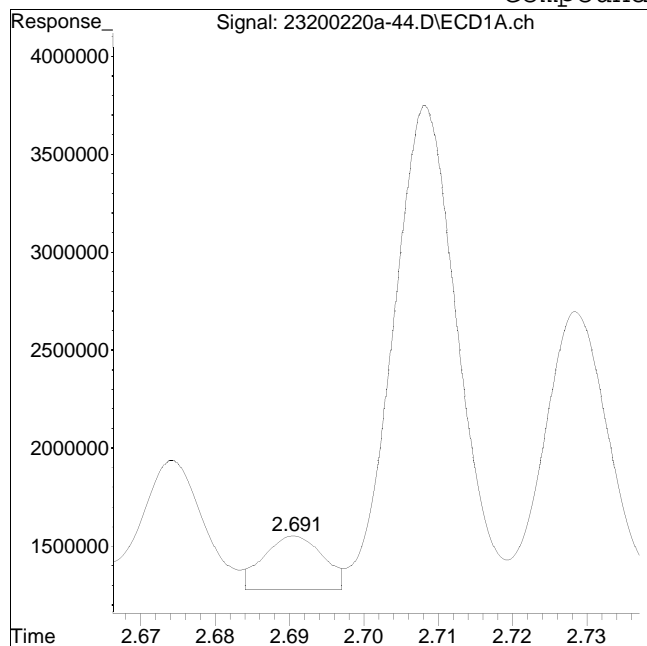
Manual Peak Response = 27351001 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-44.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:12 pm Instrument : Pest 23
Sample : 12007286-20,42e,, Quant Date : 2/21/2020 4:53 pm

Compound #11: 1260-3



Original Peak Response = 1537926

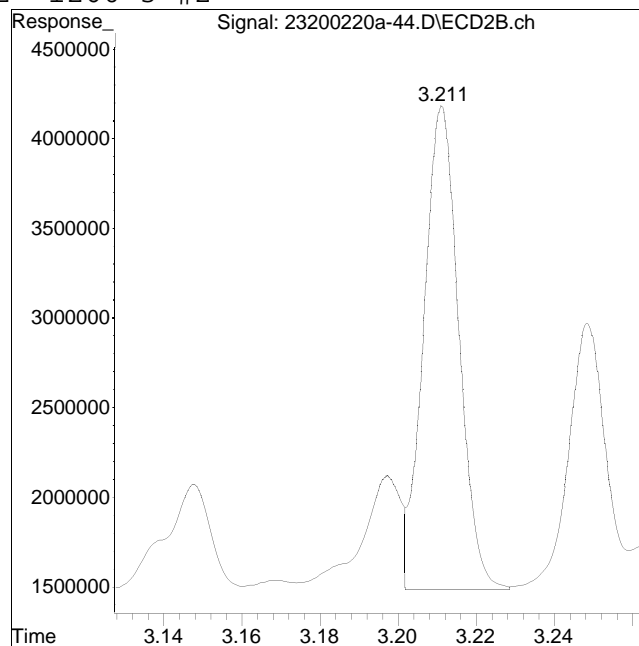
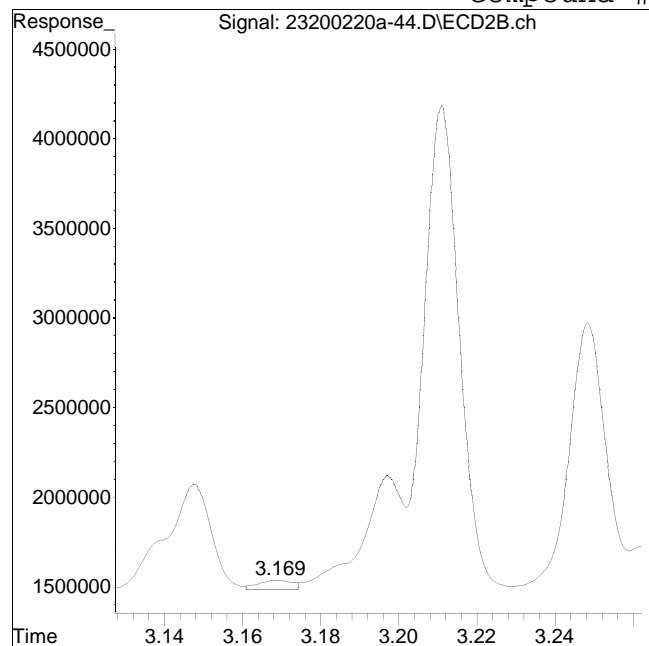
Manual Peak Response = 14253382 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-44.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:12 pm Instrument : Pest 23
Sample : 12007286-20,42e,, Quant Date : 2/21/2020 4:53 pm

Compound #62: 1260-3 #2



Original Peak Response = 346552

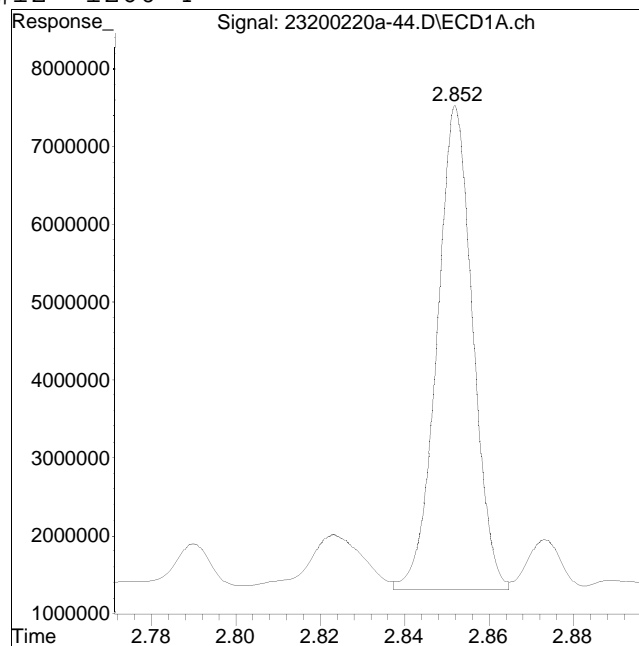
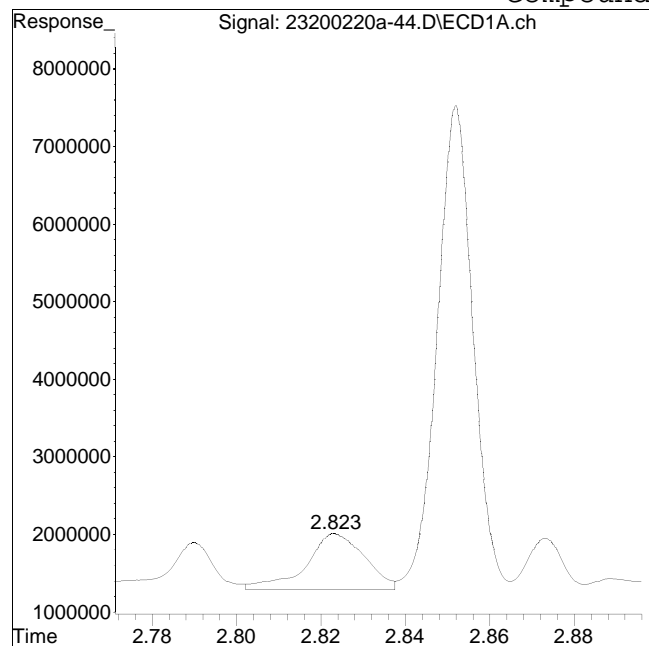
Manual Peak Response = 16942910 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-44.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:12 pm Instrument : Pest 23
Sample : 12007286-20,42e,, Quant Date : 2/21/2020 4:53 pm

Compound #12: 1260-4



Original Peak Response = 7019447

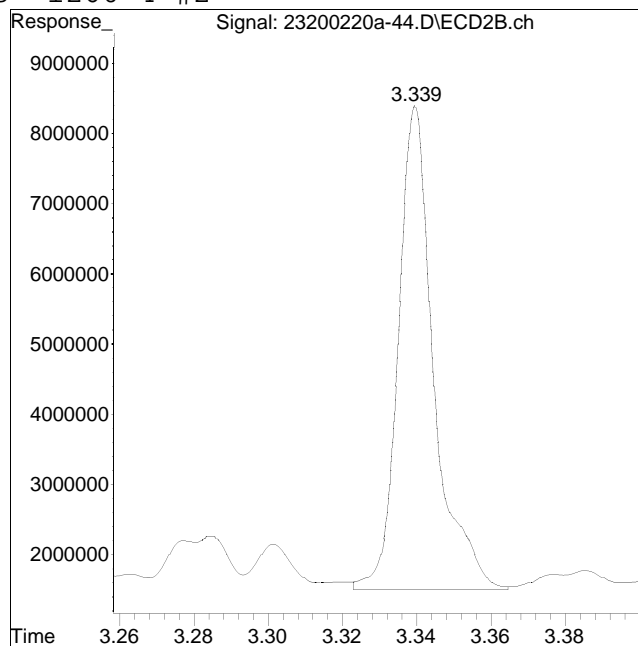
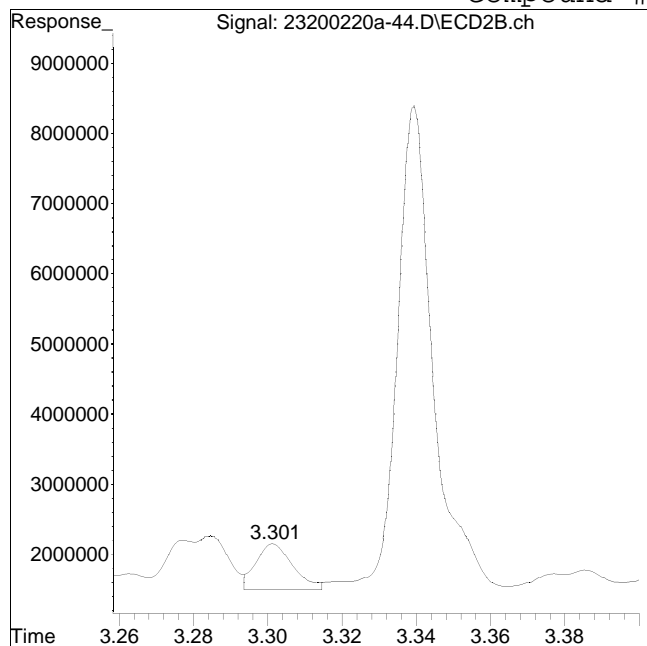
Manual Peak Response = 36547663 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-44.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:12 pm Instrument : Pest 23
Sample : 12007286-20,42e,, Quant Date : 2/21/2020 4:53 pm

Compound #63: 1260-4 #2



Original Peak Response = 4603916

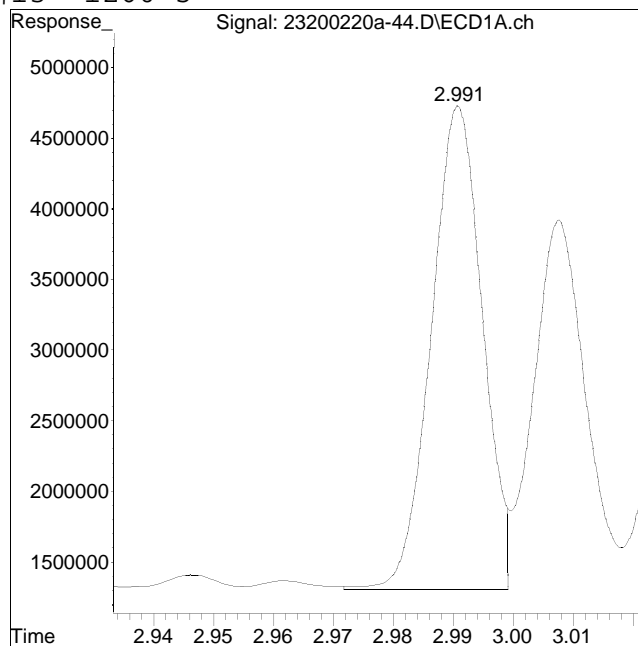
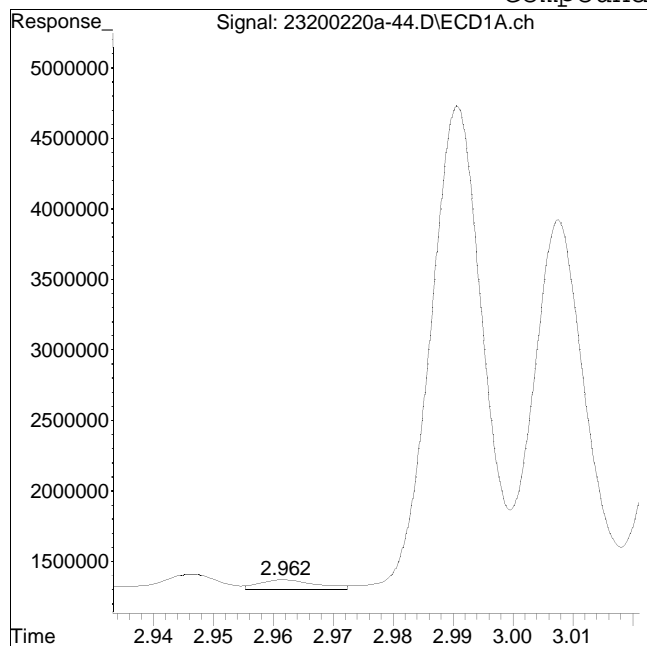
Manual Peak Response = 45869263 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-44.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:12 pm Instrument : Pest 23
Sample : 12007286-20,42e,, Quant Date : 2/21/2020 4:53 pm

Compound #13: 1260-5



Original Peak Response = 484403

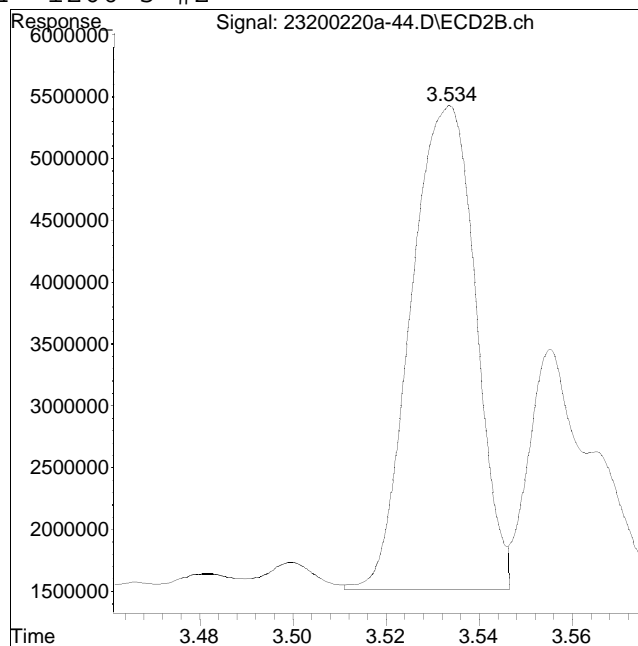
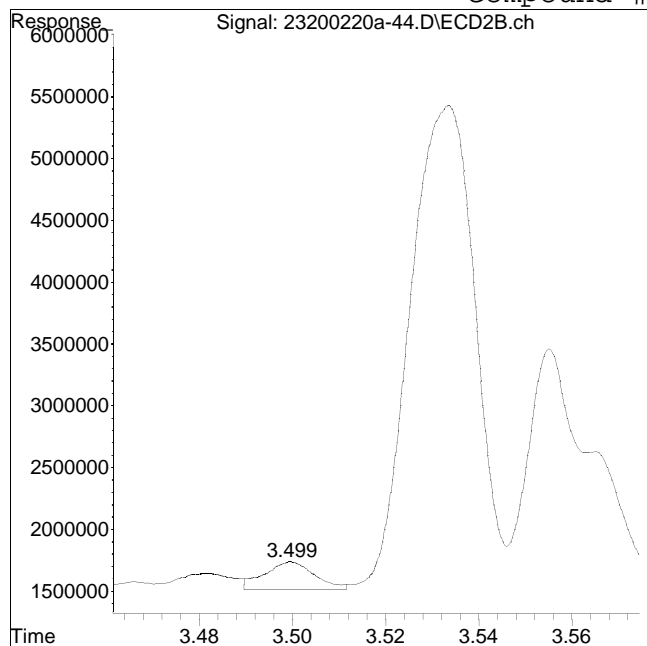
Manual Peak Response = 20326800 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-44.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:12 pm Instrument : Pest 23
Sample : 12007286-20,42e,, Quant Date : 2/21/2020 4:53 pm

Compound #64: 1260-5 #2



Original Peak Response = 1680081

Manual Peak Response = 37645505 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-45.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:19 pm
 Operator : pest23:aws
 Sample : l2007286-21,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:09:57 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.018	23907370	26728144	250.000	250.000
Standard Area 1 : #1 = 22415103					Recovery =	106.66%
Standard Area 1 : #2 = 25646562					Recovery =	104.22%
14) i 2154_1br2nb	0.924	1.018	23907370	26728144	250.000	250.000
23) i 4268_1br2nb	0.924	1.018	23907370	26728144	250.000	250.000
34) i 1248_1br2nb	0.924	1.018	23907370	26728144	250.000	250.000
40) i 3262_1br2nb	0.924	1.018	23907370	26728144	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.358	49559513	56497060	339.120	382.448
Spiked Amount 500.000	Range 30 - 150				Recovery =	67.82%
3) s Decachlorobi	3.531	4.157	42527876	47387581	429.009	355.442
Spiked Amount 500.000	Range 30 - 150				Recovery =	85.80%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.274	2.719	312830	412885	43.247	50.353
10) l2 1260-2	2.391	2.819	1154462	1033869	104.533	106.827
11) l2 1260-3	2.689	3.195	340686	792981	49.814	96.387
12) l2 1260-4	2.829	0.000	948700	0	64.852	N.D. d
13) l2 1260-5	2.966	3.520	911212	1074284	116.850	89.588
Sum 1260-1			3667891	3314019	379.297	343.155
Average 1260-1					75.859	85.789

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-45.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:19 pm
 Operator : pest23:aws
 Sample : l2007286-21,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:09:57 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D.
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-45.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:19 pm
 Operator : pest23:aws
 Sample : 12007286-21,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:09:57 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-45.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:19 pm
 Operator : pest23:aws
 Sample : l2007286-21,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:09:57 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

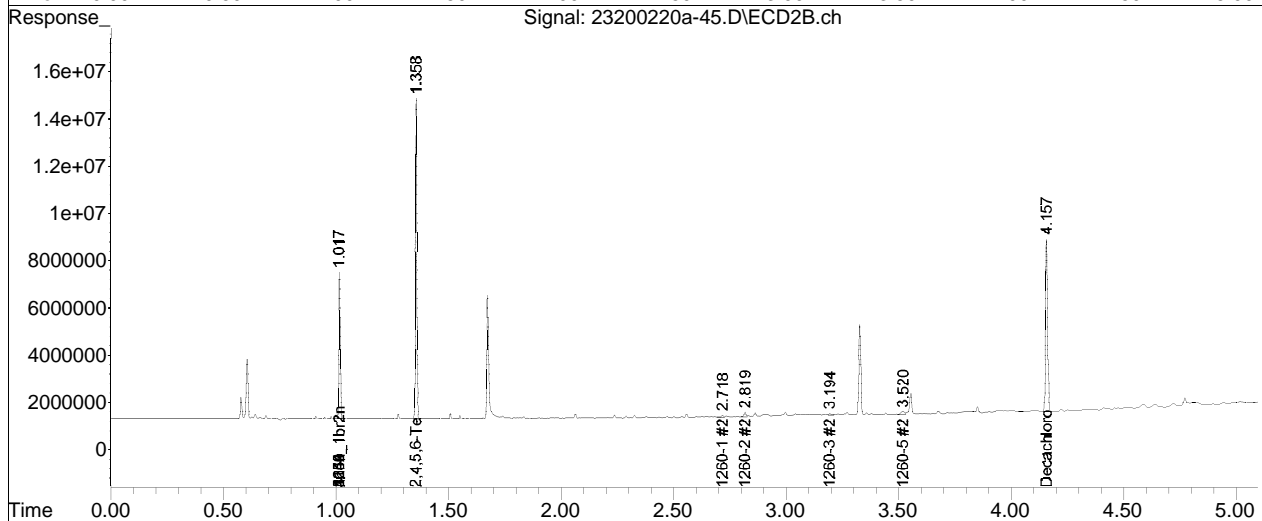
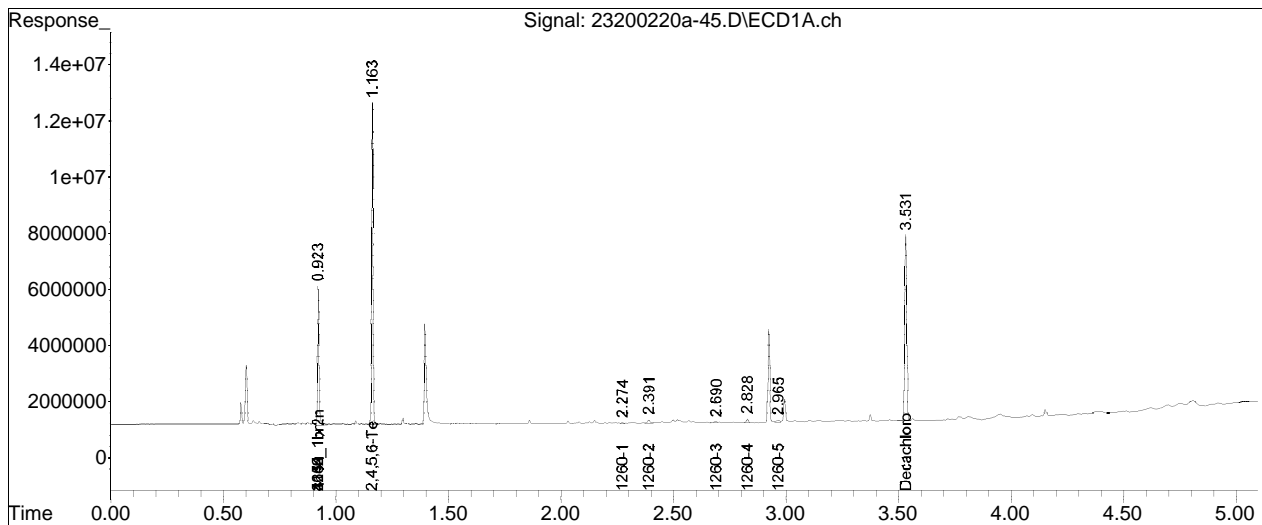
Sub List : Default - All compounds listed20a\23200220a-43.D••

Data Path : I:\Pest23\data\2020\23200220a\
Data File : 23200220a-45.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2020 10:19 pm
Operator : pest23:aws
Sample : l2007286-21,42e,,
Misc : wg1342660,wg1342440,ical16474
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 17:09:57 2020
Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Fri Feb 21 16:53:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-45.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:19 pm Instrument : Pest 23
Sample : 12007286-21,42e,, Quant Date : 2/21/2020 4:53 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-46.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:26 pm
 Operator : pest23:aws
 Sample : l2007286-23,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:10:24 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.922	1.017	23992568	28109393	250.000	250.000
Standard Area 1 : #1 = 22415103					Recovery =	107.04%
Standard Area 1 : #2 = 25646562					Recovery =	109.60%
14) i 2154_1br2nb	0.922	1.017	23992568	28109393	250.000	250.000
23) i 4268_1br2nb	0.922	1.017	23992568	28109393	250.000	250.000
34) i 1248_1br2nb	0.922	1.017	23992568	28109393	250.000	250.000
40) i 3262_1br2nb	0.922	1.017	23992568	28109393	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.162	1.357	38397916	43479328	261.812	279.864
Spiked Amount 500.000	Range 30 - 150				Recovery =	52.36%
3) s Decachlorobi	3.529	4.156	33534153	37085310	334.537	264.499
Spiked Amount 500.000	Range 30 - 150				Recovery =	66.91%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.718	7067333	10295474	973.547	1193.880
10) l2 1260-2	2.389	2.817	16334620	17021010	1473.799	1672.309
11) l2 1260-3	2.682	3.193	7229088	8951017	1053.268	1034.540M3
12) l2 1260-4	2.827	3.323	17097683	22877497	1164.628	1285.215
13) l2 1260-5	2.966	3.518	10518906	16606647	1344.113	1316.832
Sum 1260-1			58247630	75751645	6009.356	6502.777
Average 1260-1					1201.871	1300.555

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-46.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:26 pm
 Operator : pest23:aws
 Sample : l2007286-23,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:10:24 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-46.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:26 pm
 Operator : pest23:aws
 Sample : 12007286-23,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:10:24 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-46.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:26 pm
 Operator : pest23:aws
 Sample : l2007286-23,42e,,
 Misc : wgl342660,wgl342440,ical16474
 ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:10:24 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

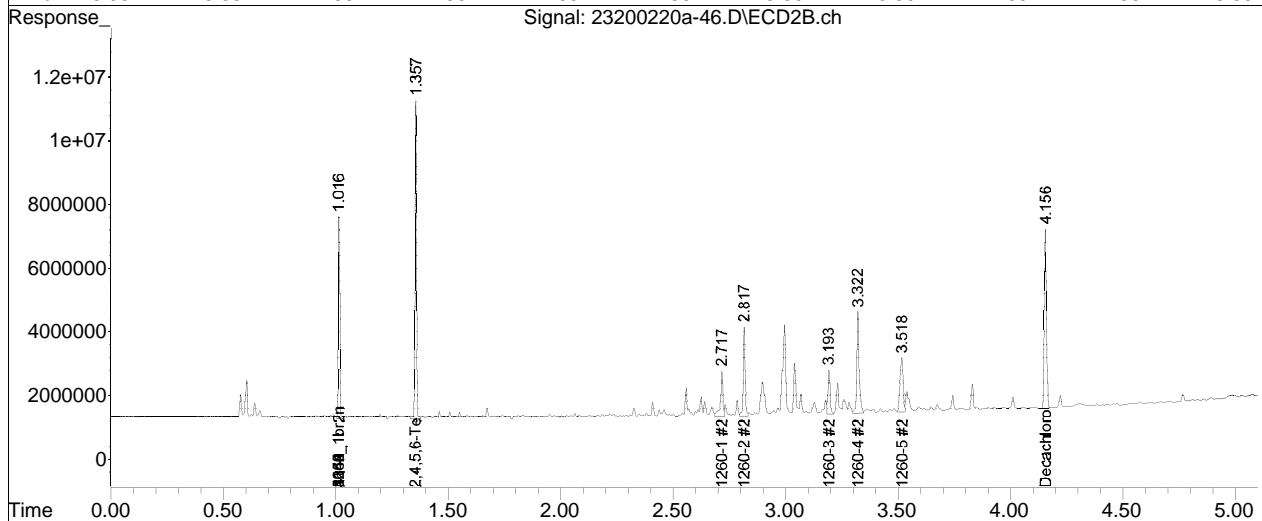
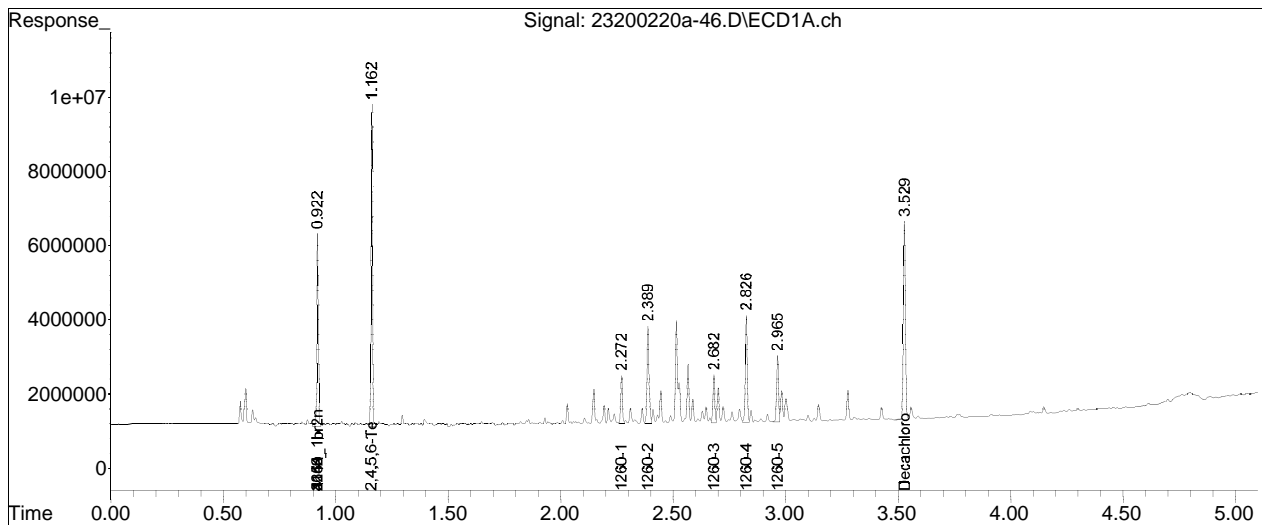
Sub List : Default - All compounds listed20a\23200220a-43.D••

Data Path : I:\Pest23\data\2020\23200220a\
Data File : 23200220a-46.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2020 10:26 pm
Operator : pest23:aws
Sample : 12007286-23,42e,,
Misc : wg1342660,wg1342440,ical16474
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 17:10:24 2020
Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Fri Feb 21 16:53:17 2020
Response via : Initial Calibration
Integrator: ChemStation

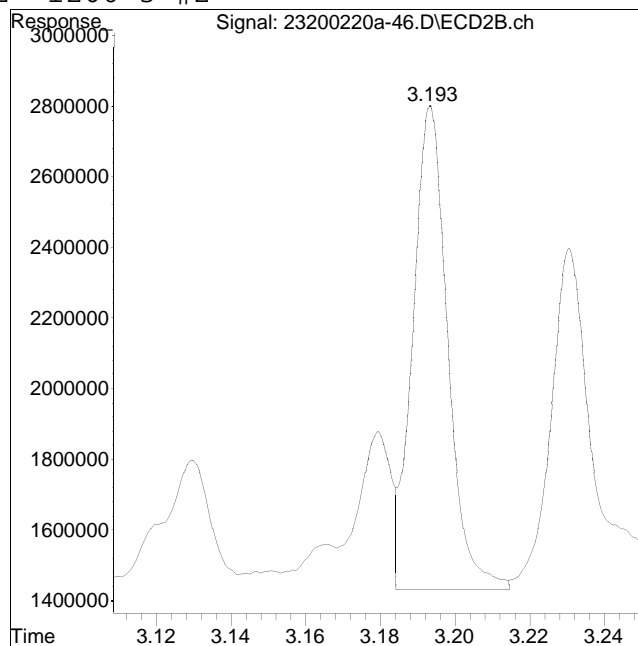
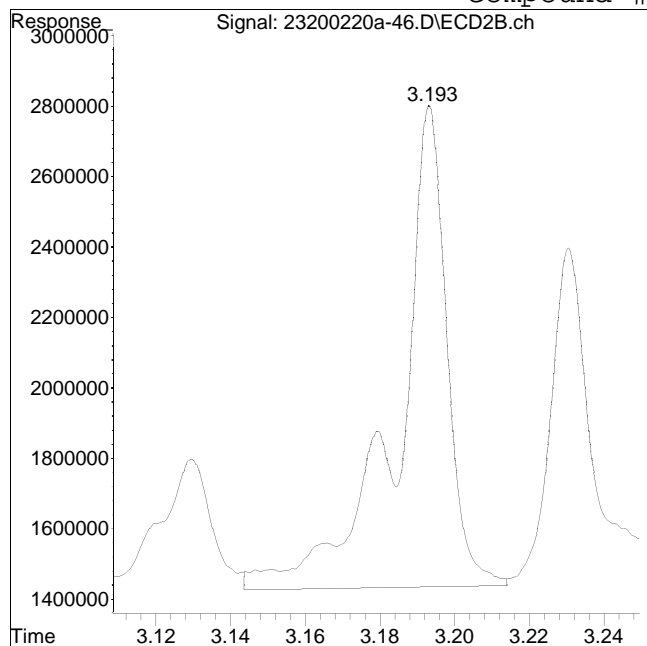
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-46.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:26 pm Instrument : Pest 23
Sample : 12007286-23,42e,, Quant Date : 2/21/2020 4:53 pm

Compound #62: 1260-3 #2



Original Peak Response = 12681117

Manual Peak Response = 8951017 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-47.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:33 pm
 Operator : pest23:aws
 Sample : l2007286-24,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:10:52 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.019	25285157	28790496	250.000	250.000
Standard Area 1 : #1 = 22415103					Recovery =	112.80%
Standard Area 1 : #2 = 25646562					Recovery =	112.26%
14) i 2154_1br2nb	0.924	1.019	25285157	28790496	250.000	250.000
23) i 4268_1br2nb	0.924	1.019	25285157	28790496	250.000	250.000
34) i 1248_1br2nb	0.924	1.019	25285157	28790496	250.000	250.000
40) i 3262_1br2nb	0.924	1.019	25285157	28790496	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.358	56044594	65258747	362.599	410.114
Spiked Amount 500.000	Range 30 - 150				Recovery =	72.52%
3) s Decachlorobi	3.527	4.155	47746735	53599468	456.141	373.237
Spiked Amount 500.000	Range 30 - 150				Recovery =	91.23%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.718	483981	809936	63.262M4	91.700
10) l2 1260-2	2.388	2.817	1531980	1327249	131.158	127.317
11) l2 1260-3	2.681	3.193	575237	708676	79.527	79.970
12) l2 1260-4	2.825	3.323	1365008	2919876	88.226	160.153
13) l2 1260-5	2.964	3.518	664368	1160972	80.554	89.882
Sum 1260-1			4620575	6926709	442.726	549.021
Average 1260-1					88.545	109.804

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-47.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:33 pm
 Operator : pest23:aws
 Sample : 12007286-24,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:10:52 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D.
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D.
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-47.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:33 pm
 Operator : pest23:aws
 Sample : l2007286-24,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:10:52 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-47.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:33 pm
 Operator : pest23:aws
 Sample : l2007286-24,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:10:52 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

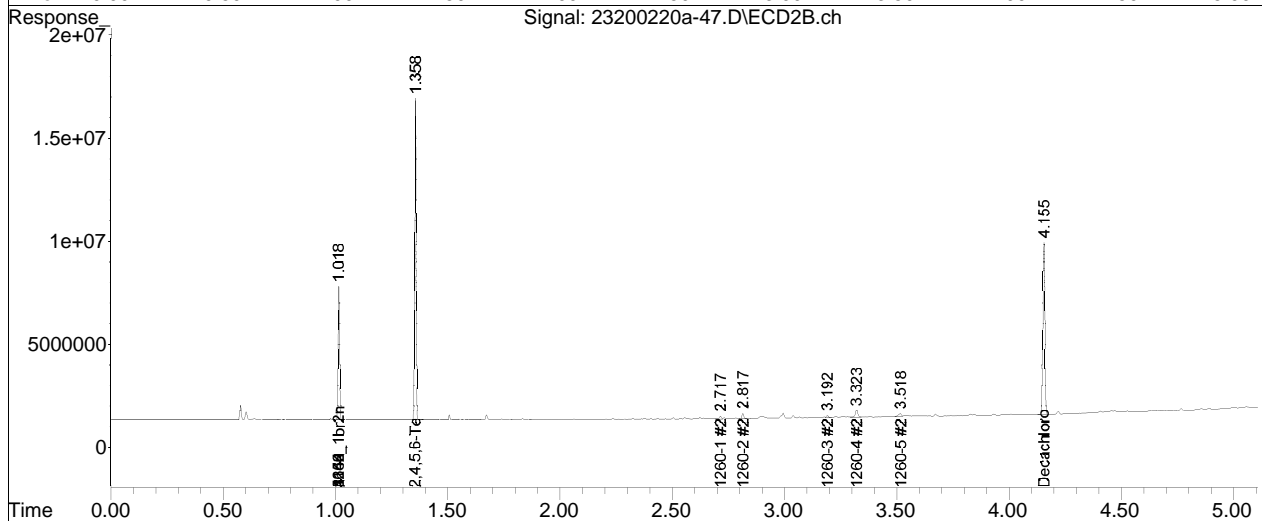
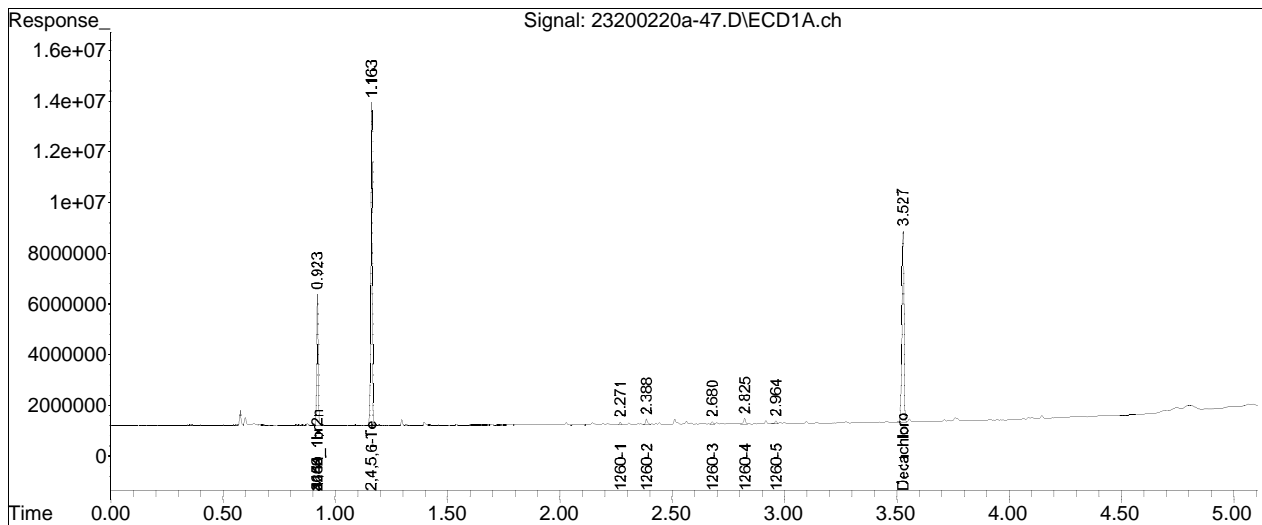
Sub List : Default - All compounds listed20a\23200220a-43.D**

Data Path : I:\Pest23\data\2020\23200220a\
Data File : 23200220a-47.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2020 10:33 pm
Operator : pest23:aws
Sample : l2007286-24,42e,,
Misc : wg1342660,wg1342440,ical16474
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 17:10:52 2020
Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Fri Feb 21 16:53:17 2020
Response via : Initial Calibration
Integrator: ChemStation

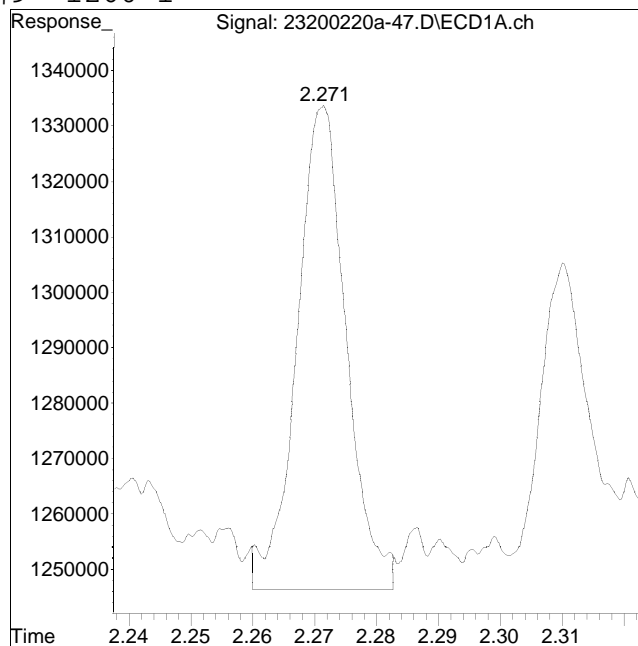
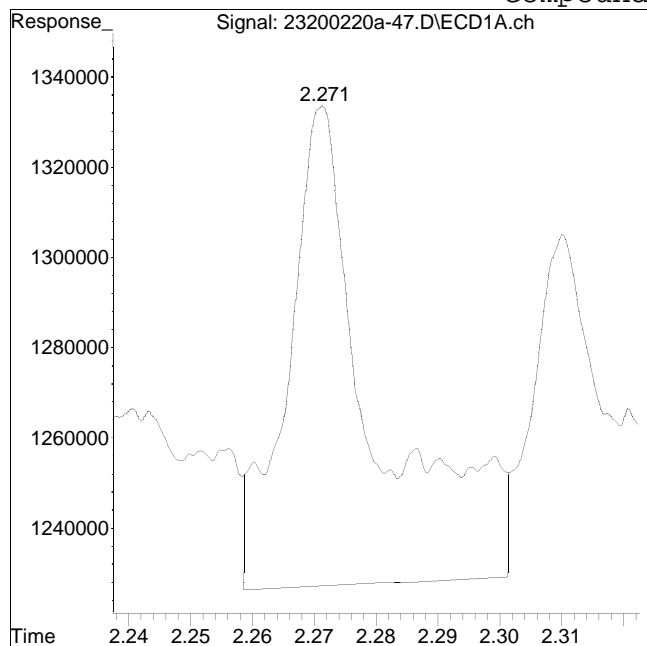
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-47.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:33 pm Instrument : Pest 23
Sample : 12007286-24,42e,, Quant Date : 2/21/2020 4:54 pm

Compound #9: 1260-1



Original Peak Response = 1044599

Manual Peak Response = 483981 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-48.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:39 pm
 Operator : pest23:aws
 Sample : l2007286-25,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:11:15 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.018	24011580	28126684	250.000	250.000
Standard Area 1 : #1 = 22415103					Recovery =	107.12%
Standard Area 1 : #2 = 25646562					Recovery =	109.67%
14) i 2154_1br2nb	0.923	1.018	24011580	28126684	250.000	250.000
23) i 4268_1br2nb	0.923	1.018	24011580	28126684	250.000	250.000
34) i 1248_1br2nb	0.923	1.018	24011580	28126684	250.000	250.000
40) i 3262_1br2nb	0.923	1.018	24011580	28126684	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.162	1.358	55224262	64705005	376.242	416.231
Spiked Amount 500.000	Range 30 - 150				Recovery =	75.25%
3) s Decachlorobi	3.527	4.154	47123032	53132487	474.527	378.717
Spiked Amount 500.000	Range 30 - 150				Recovery =	94.91%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-48.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:39 pm
 Operator : pest23:aws
 Sample : 12007286-25,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:11:15 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-48.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:39 pm
 Operator : pest23:aws
 Sample : 12007286-25,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:11:15 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-48.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 10:39 pm
 Operator : pest23:aws
 Sample : l2007286-25,42e,,
 Misc : wgl1342660,wgl1342440,ical16474
 ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 17:11:15 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:53:17 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-43.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

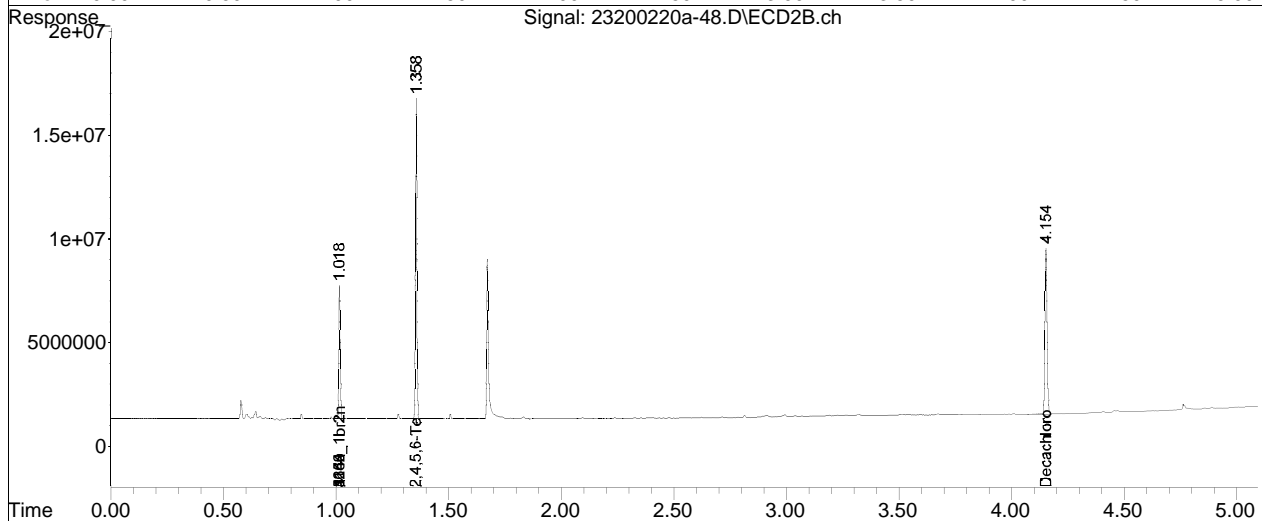
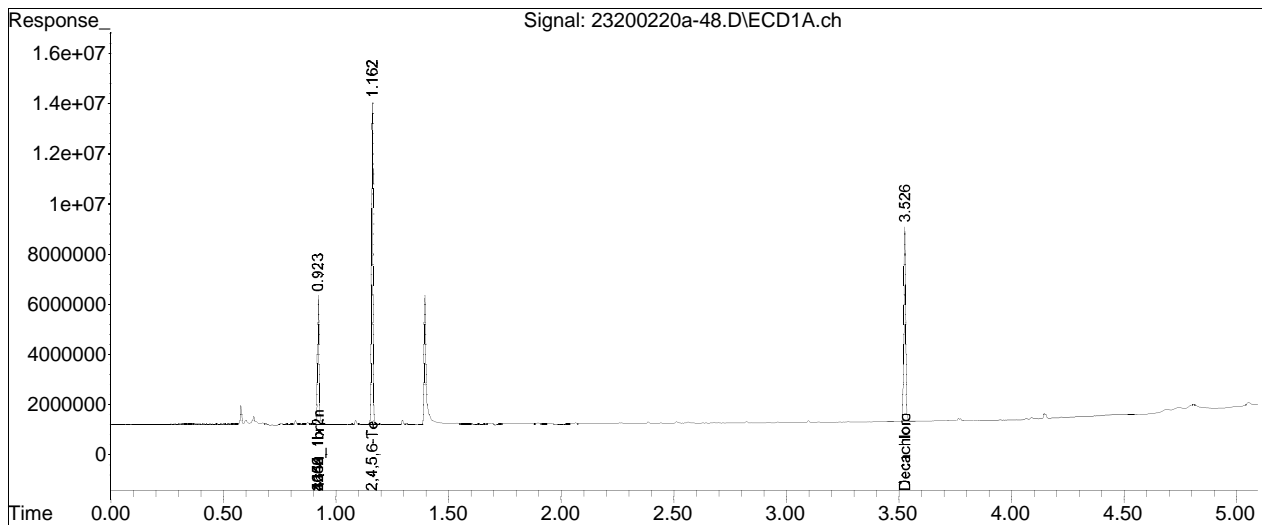
Sub List : Default - All compounds listed20a\23200220a-43.D••

Data Path : I:\Pest23\data\2020\23200220a\
Data File : 23200220a-48.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2020 10:39 pm
Operator : pest23:aws
Sample : l2007286-25,42e,,
Misc : wg1342660,wg1342440,ical16474
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 17:11:15 2020
Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Fri Feb 21 16:53:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-48.D Operator : pest23:aws
Date Inj'd : 2/20/2020 10:39 pm Instrument : Pest 23
Sample : 12007286-25,42e,, Quant Date : 2/21/2020 4:54 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200221a\
 Data File : 23200221a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 01:55 pm
 Operator : pest23:cw
 Sample : l2007286-26,42e,,
 Misc : wgl1343129,wgl1342270,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 15:27:03 2020
 Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 13:32:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200221a\23200221a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	0.924	1.019	23999963	28809504	250.000M4	250.000M4
	Standard Area 1 : #1 = 22528566				Recovery = 106.53%		
	Standard Area 1 : #2 = 26507143				Recovery = 108.69%		
14) i	2154_1br2nb	0.924	1.019	23999963	28809504	250.000M4	250.000M4
23) i	4268_1br2nb	0.924	1.019	23999963	28809504	250.000M4	250.000M4
34) i	1248_1br2nb	0.924	1.019	23999963	28809504	250.000M4	250.000M4
40) i	3262_1br2nb	0.924	1.019	23999963	28809504	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.164	1.360	47794160	54933752	325.779M4	345.000
	Spiked Amount 500.000 Range 30 - 150			Recovery = 65.16%			69.00%
3) s	Decachlorobi	3.527	4.155	33316256	37183476	332.180M4	258.754M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 66.44%			51.75%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1	1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	2.272	2.718	777876	983624	107.122	111.291M1

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200221a\
 Data File : 23200221a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 01:55 pm
 Operator : pest23:cw
 Sample : 12007286-26,42e,,
 Misc : wgl1343129,wgl1342270,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 15:27:03 2020
 Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 13:32:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200221a\23200221a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12	1260-2	2.389	2.818	1511422	1541866	136.327	147.807M1
11) 12	1260-3	2.681	3.193	740761	923214	107.895M1	104.110M1
12) 12	1260-4	2.826	3.322	1995706	2504039	135.898	137.254M4
13) 12	1260-5	2.964	3.519	1099086	1640107	140.399M1	126.893
	Sum 1260-1			6124852	7592850	627.640	627.354
	Average 1260-1					125.528	125.471
15) 13	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D.	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D.
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200221a\
 Data File : 23200221a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 01:55 pm
 Operator : pest23:cw
 Sample : 12007286-26,42e,,
 Misc : wgl1343129,wgl1342270,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 15:27:03 2020
 Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 13:32:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200221a\23200221a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200221a\
 Data File : 23200221a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 01:55 pm
 Operator : pest23:cw
 Sample : 12007286-26,42e,,
 Misc : wgl1343129,wgl1342270,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 15:27:03 2020
 Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 13:32:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200221a\23200221a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

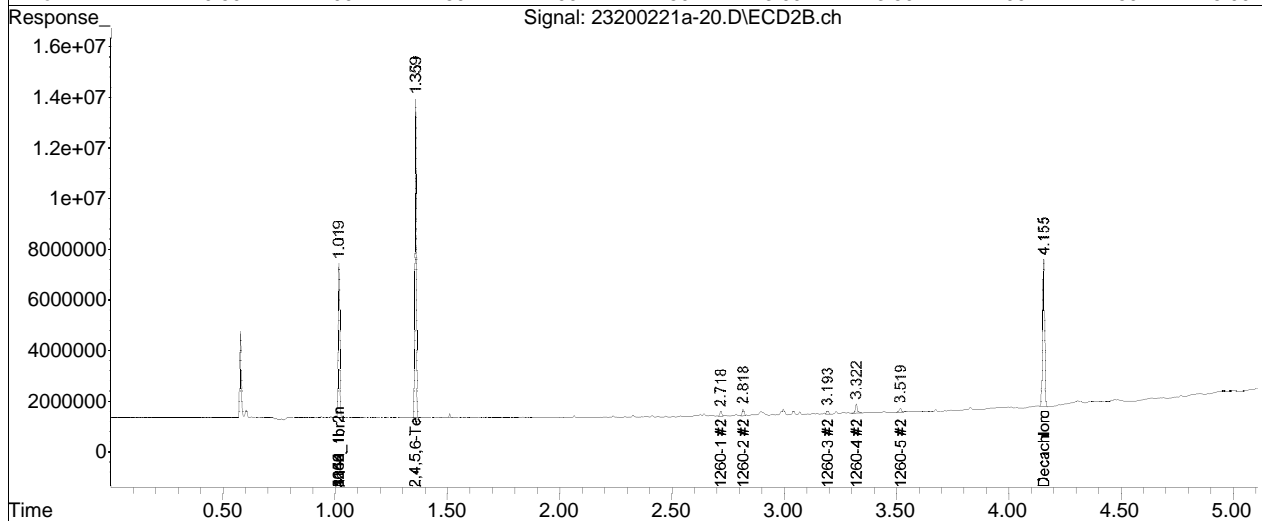
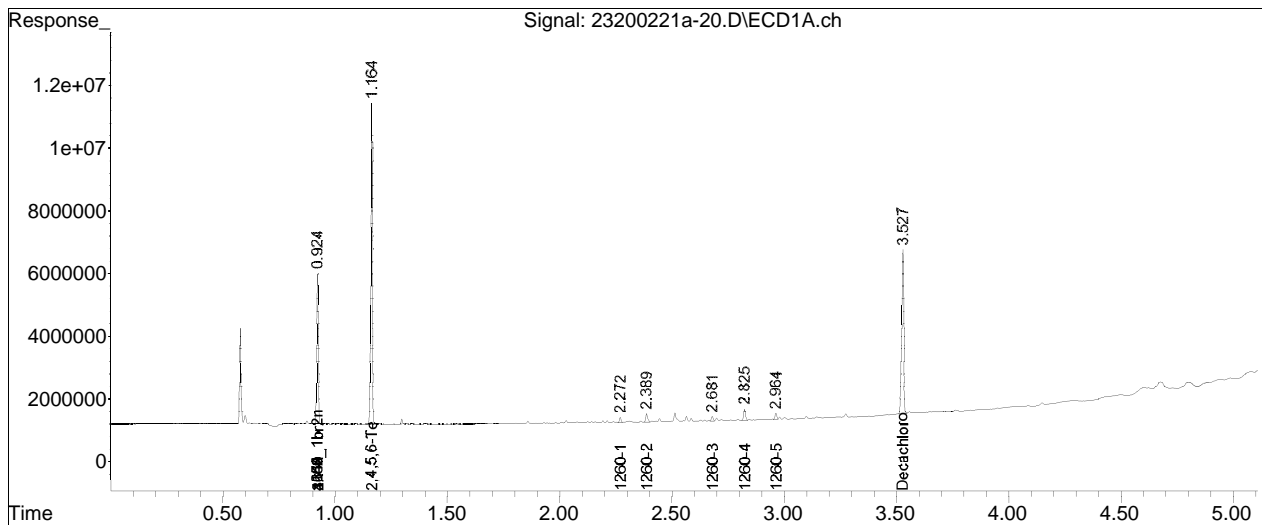
Sub List : Default - All compounds listed21a\23200221a-02.D**

Data Path : I:\Pest23\data\2020\23200221a\
Data File : 23200221a-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 01:55 pm
Operator : pest23:cw
Sample : 12007286-26,42e,,
Misc : wg1343129,wg1342270,ical16474
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 24 15:27:03 2020
Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Fri Feb 21 13:32:56 2020
Response via : Initial Calibration
Integrator: ChemStation

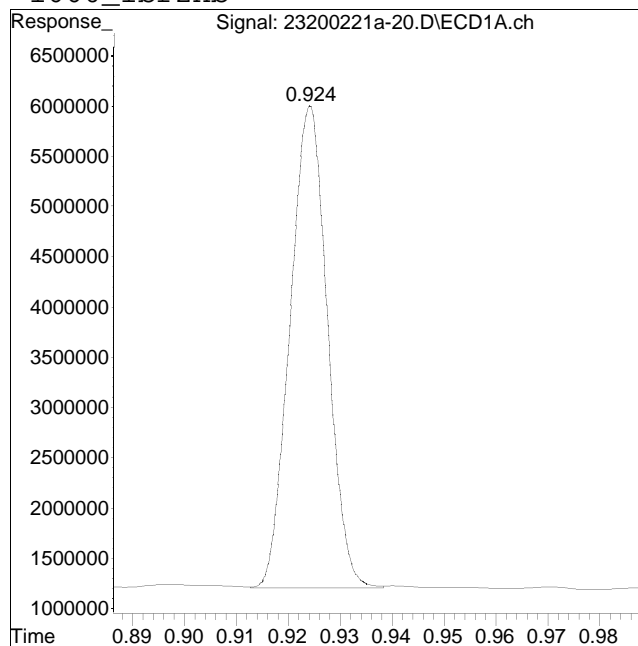
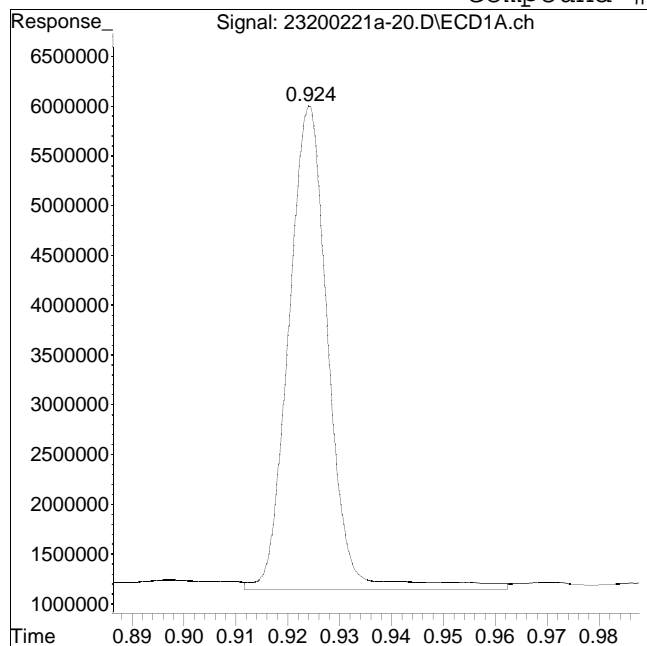
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-20.D Operator : pest23:cw
Date Inj'd : 2/21/2020 1:55 pm Instrument : Pest 23
Sample : 12007286-26,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #1: 1660_1br2nb



Original Peak Response = 26006129

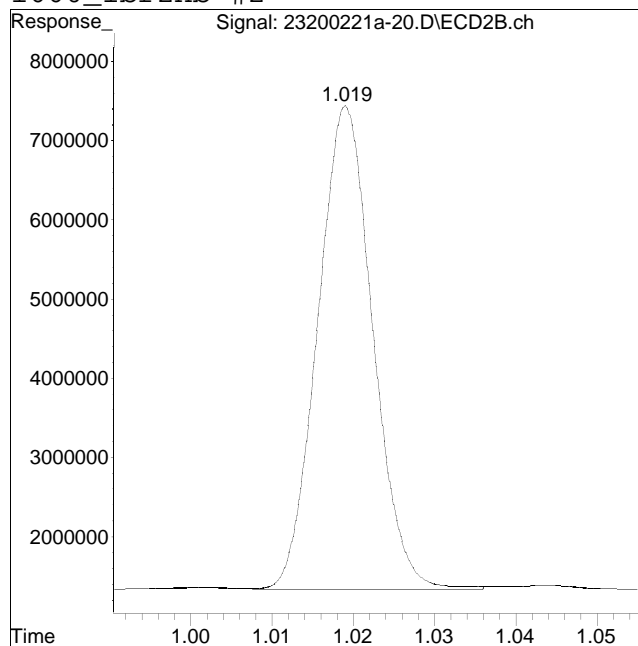
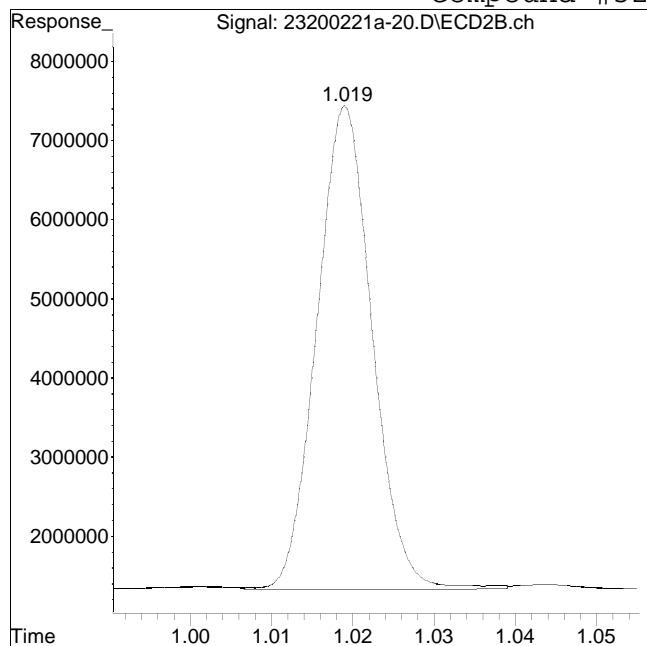
Manual Peak Response = 23999963 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-20.D Operator : pest23:cw
Date Inj'd : 2/21/2020 1:55 pm Instrument : Pest 23
Sample : 12007286-26,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 28986056

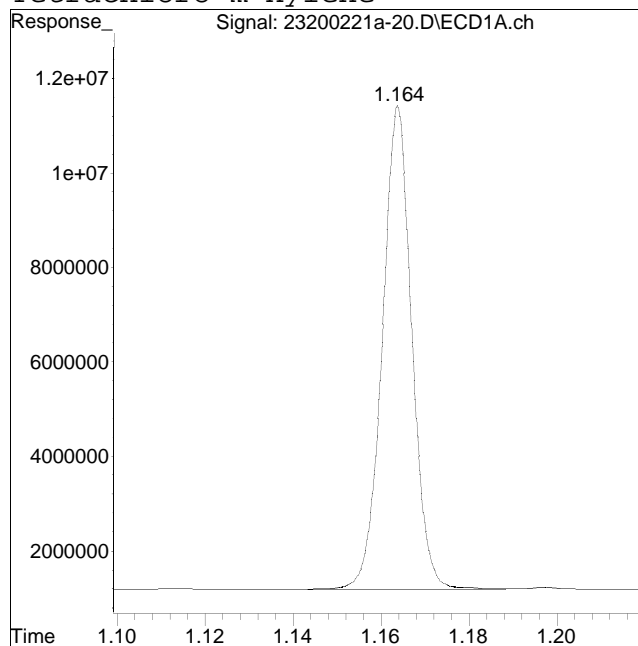
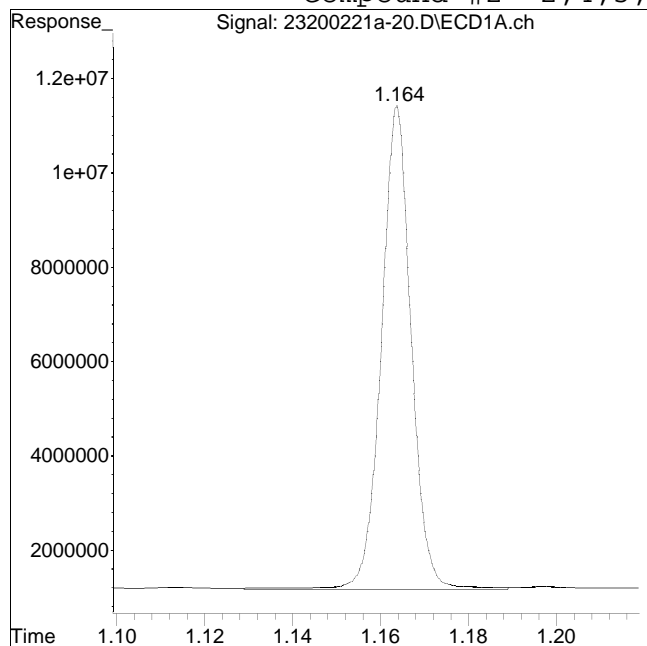
Manual Peak Response = 28809504 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-20.D Operator : pest23:cw
Date Inj'd : 2/21/2020 1:55 pm Instrument : Pest 23
Sample : 12007286-26,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 48716309

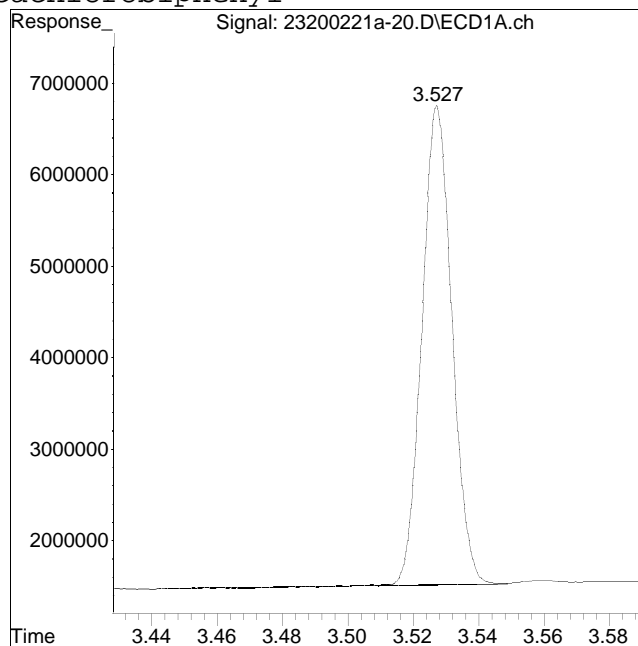
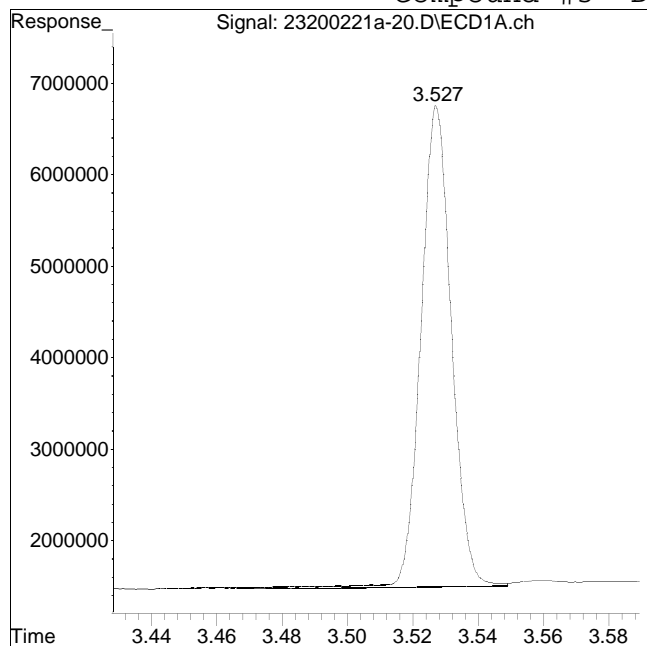
Manual Peak Response = 47794160 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-20.D Operator : pest23:cw
Date Inj'd : 2/21/2020 1:55 pm Instrument : Pest 23
Sample : 12007286-26,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 34283515

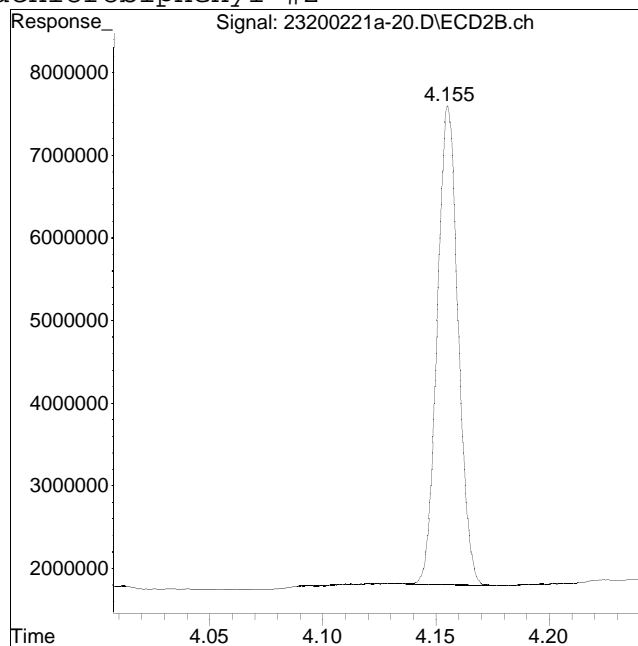
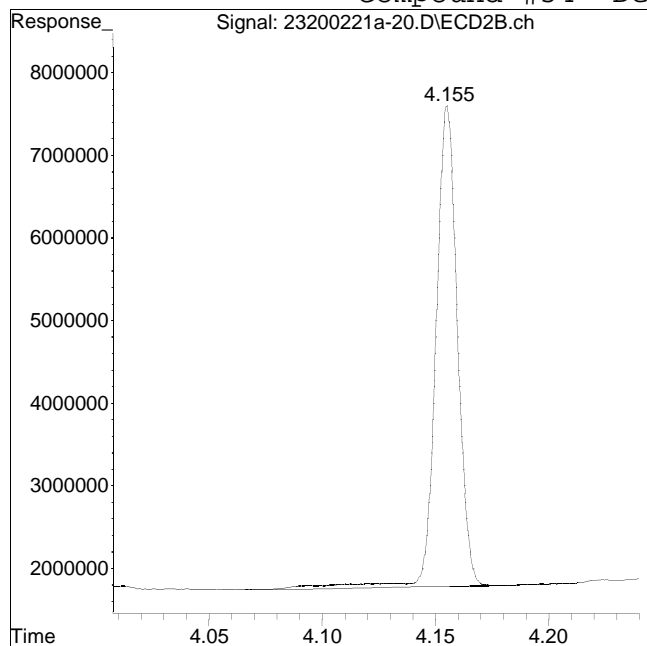
Manual Peak Response = 33316256 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-20.D Operator : pest23:cw
Date Inj'd : 2/21/2020 1:55 pm Instrument : Pest 23
Sample : 12007286-26,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 38990536

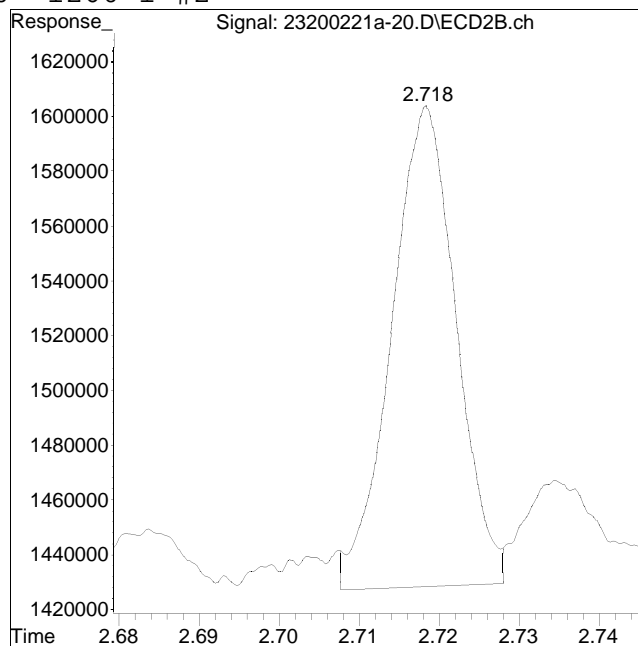
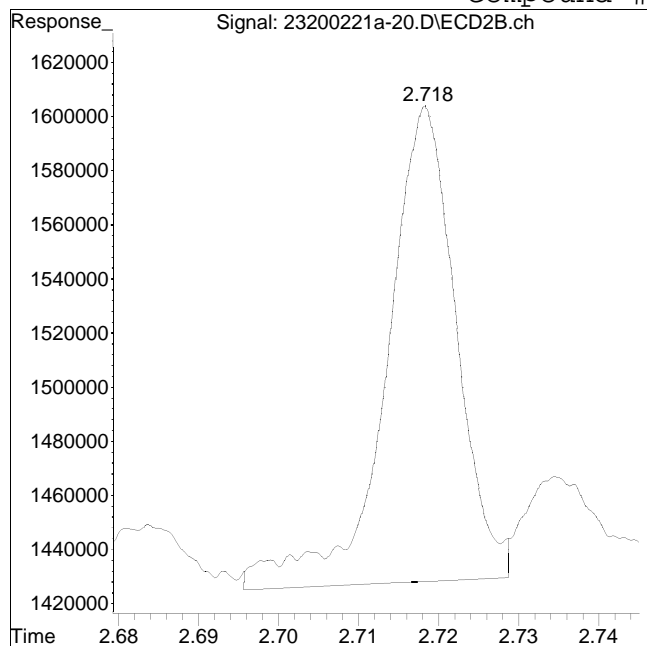
Manual Peak Response = 37183476 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-20.D Operator : pest23:cw
Date Inj'd : 2/21/2020 1:55 pm Instrument : Pest 23
Sample : 12007286-26,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #60: 1260-1 #2



Original Peak Response = 1067744

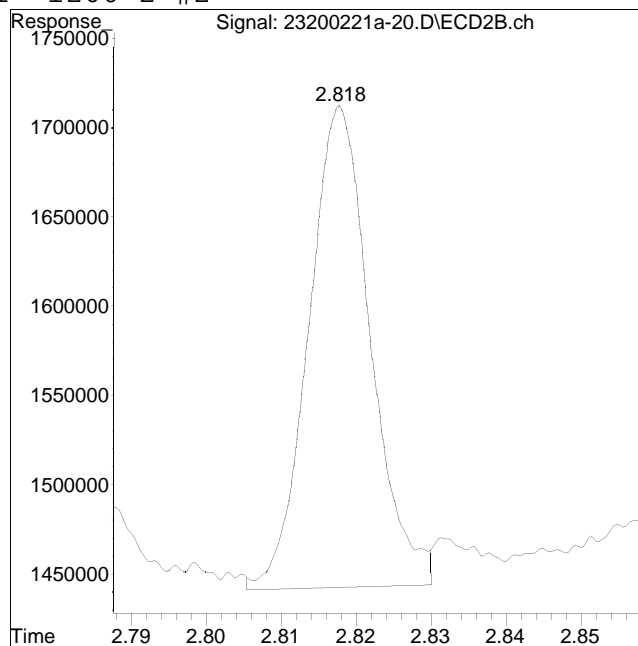
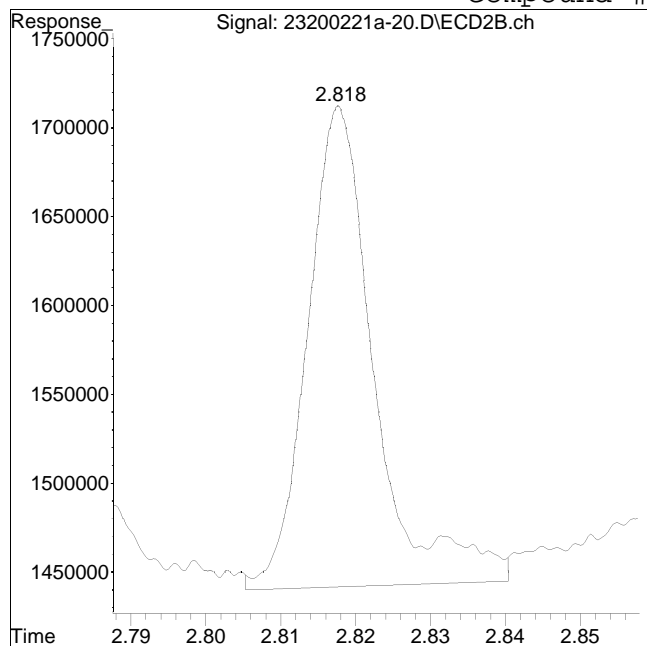
Manual Peak Response = 983624 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-20.D Operator : pest23:cw
Date Inj'd : 2/21/2020 1:55 pm Instrument : Pest 23
Sample : 12007286-26,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #61: 1260-2 #2



Original Peak Response = 1678850

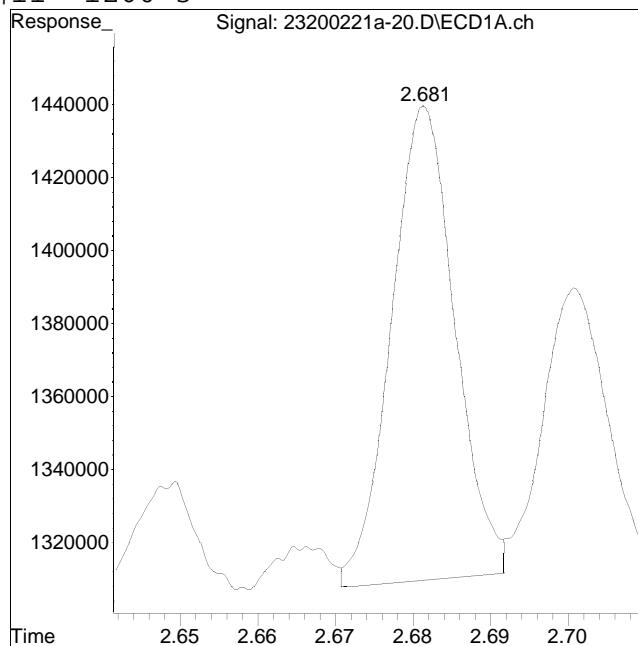
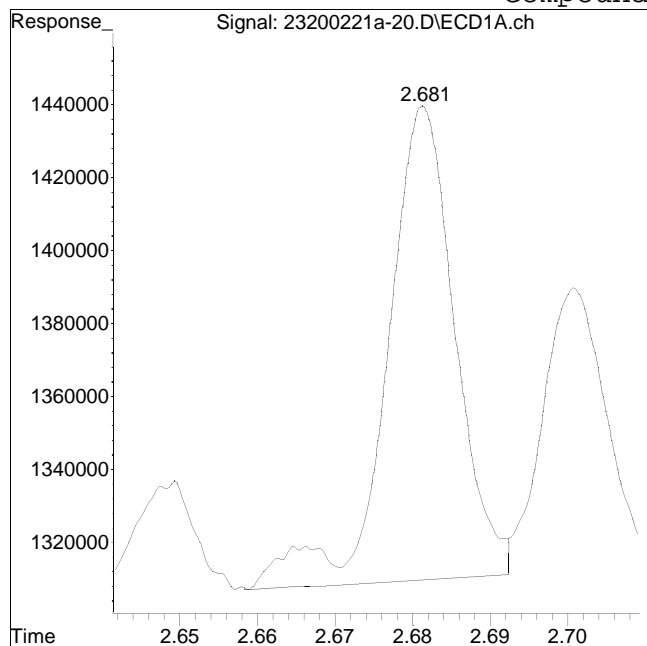
Manual Peak Response = 1541866 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-20.D Operator : pest23:cw
Date Inj'd : 2/21/2020 1:55 pm Instrument : Pest 23
Sample : 12007286-26,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #11: 1260-3



Original Peak Response = 792059

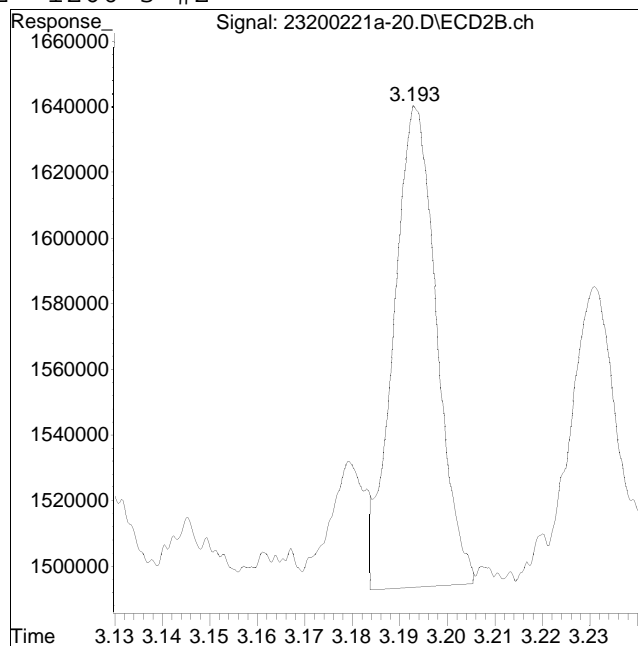
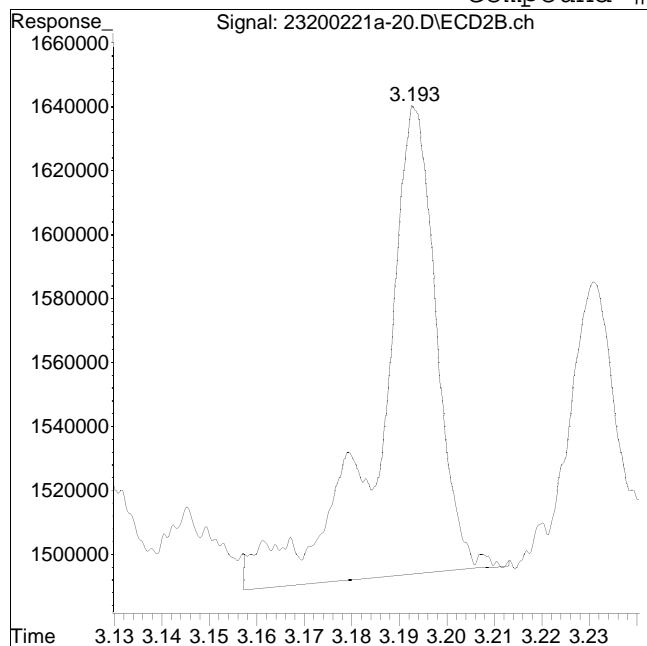
Manual Peak Response = 740761 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-20.D Operator : pest23:cw
Date Inj'd : 2/21/2020 1:55 pm Instrument : Pest 23
Sample : 12007286-26,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #62: 1260-3 #2



Original Peak Response = 1227609

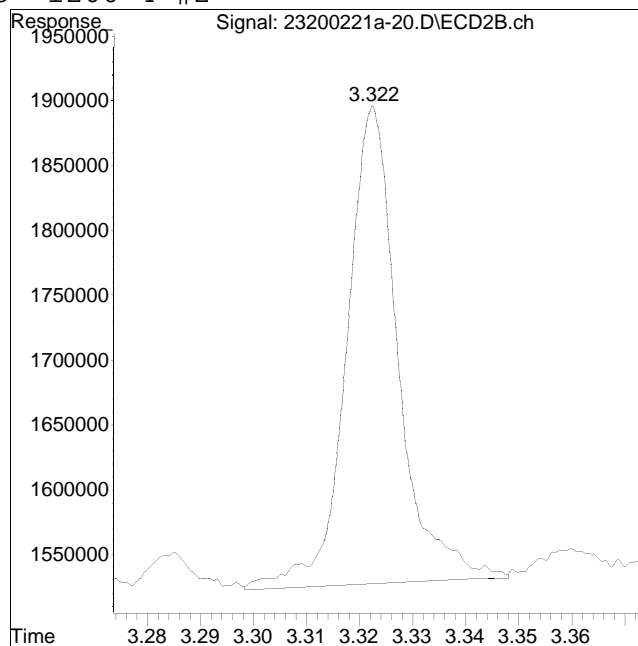
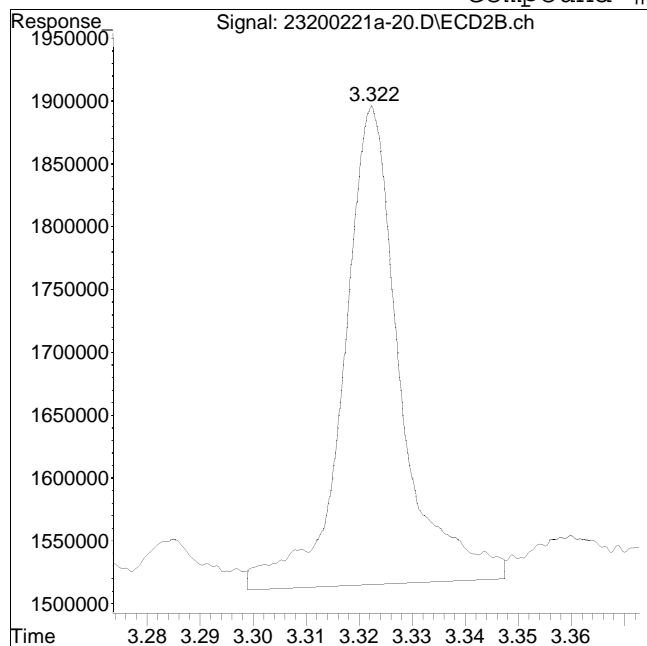
Manual Peak Response = 923214 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-20.D Operator : pest23:cw
Date Inj'd : 2/21/2020 1:55 pm Instrument : Pest 23
Sample : 12007286-26,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #63: 1260-4 #2



Original Peak Response = 2851018

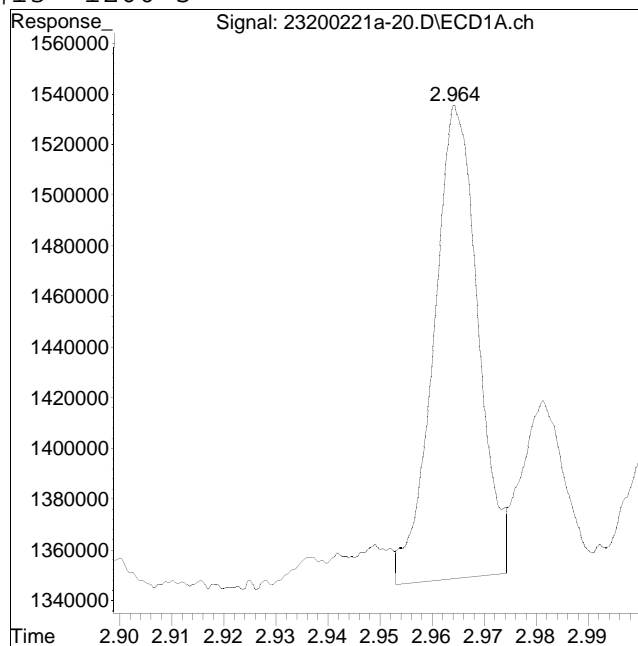
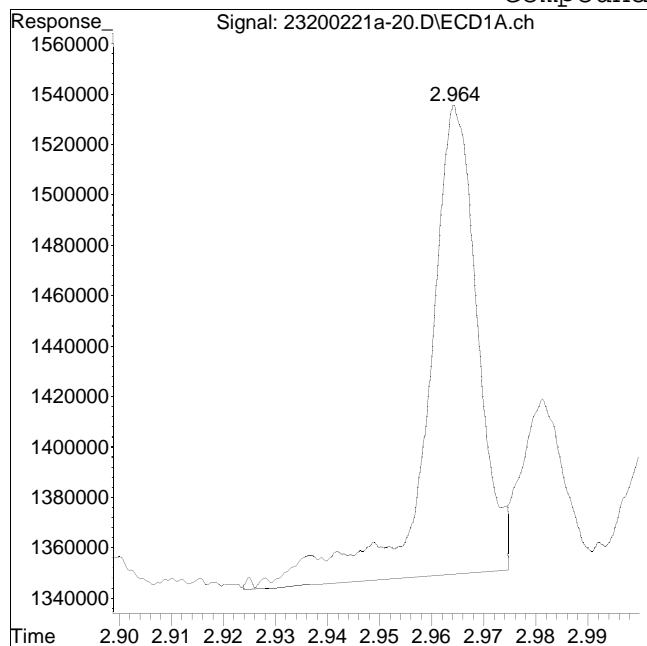
Manual Peak Response = 2504039 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-20.D Operator : pest23:cw
Date Inj'd : 2/21/2020 1:55 pm Instrument : Pest 23
Sample : 12007286-26,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #13: 1260-5



Original Peak Response = 1242581

Manual Peak Response = 1099086 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200221a\
 Data File : 23200221a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 02:02 pm
 Operator : pest23:cw
 Sample : 12007286-27,42e,,
 Misc : wgl1343129,wgl1342270,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 15:28:45 2020
 Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 13:32:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200221a\23200221a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	0.923	1.018	22640373	26852443	250.000M1	250.000M4
	Standard Area 1 : #1 = 22528566				Recovery = 100.50%		
	Standard Area 1 : #2 = 26507143				Recovery = 101.30%		
14) i	2154_1br2nb	0.923	1.018	22640373	26852443	250.000M1	250.000M4
23) i	4268_1br2nb	0.923	1.018	22640373	26852443	250.000M1	250.000M4
34) i	1248_1br2nb	0.923	1.018	22640373	26852443	250.000M1	250.000M4
40) i	3262_1br2nb	0.923	1.018	22640373	26852443	250.000M1	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.163	1.359	43266087	49697401	312.624M4	334.862
	Spiked Amount 500.000 Range 30 - 150			Recovery = 62.52%			66.97%
3) s	Decachlorobi	3.526	4.155	32017993	34277805	338.629M4	255.919M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 67.73%			51.18%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	2.271	2.718	4796194	5788768	700.150M1	702.697

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200221a\
 Data File : 23200221a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 02:02 pm
 Operator : pest23:cw
 Sample : l2007286-27,42e,,
 Misc : wgl1343129,wgl1342270,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 15:28:45 2020
 Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 13:32:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200221a\23200221a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10)	12 1260-2	2.388	2.817	9146929	8576018	874.576	882.033
11)	12 1260-3	2.680	3.193	4986722	5771836	769.952	698.323
12)	12 1260-4	2.825	3.322	11843093	14089385	854.886	828.566
13)	12 1260-5	2.963	3.518	6924414	9932182	937.652	824.443
	Sum 1260-1			37697352	44158189	4137.216	3936.062
	Average 1260-1					827.443	787.212
15)	13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D.
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200221a\
 Data File : 23200221a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 02:02 pm
 Operator : pest23:cw
 Sample : 12007286-27,42e,,
 Misc : wgl1343129,wgl1342270,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 15:28:45 2020
 Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 13:32:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200221a\23200221a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D.
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200221a\
 Data File : 23200221a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 02:02 pm
 Operator : pest23:cw
 Sample : 12007286-27,42e,,
 Misc : wgl1343129,wgl1342270,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 24 15:28:45 2020
 Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 13:32:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200221a\23200221a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

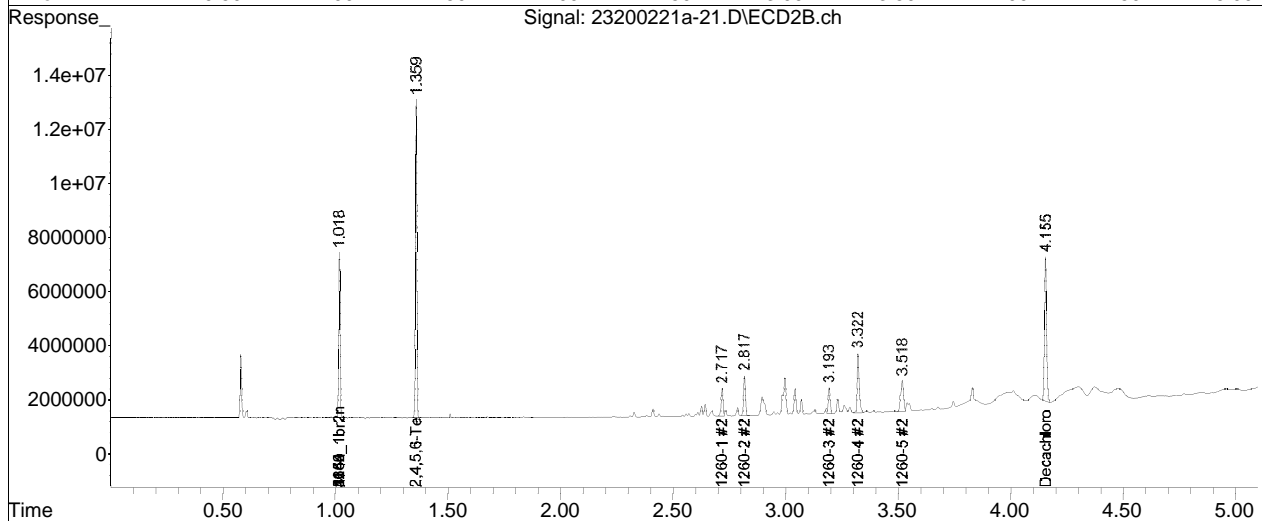
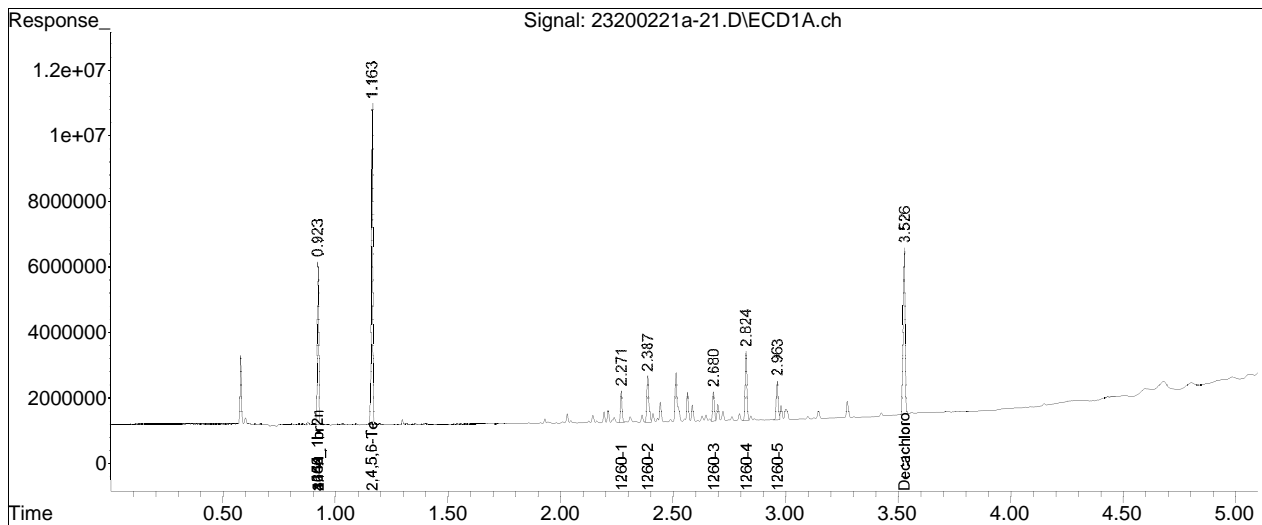
Sub List : Default - All compounds listed21a\23200221a-02.D**

Data Path : I:\Pest23\data\2020\23200221a\
Data File : 23200221a-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 02:02 pm
Operator : pest23:cw
Sample : 12007286-27,42e,,
Misc : wg1343129,wg1342270,ical16474
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 24 15:28:45 2020
Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Fri Feb 21 13:32:56 2020
Response via : Initial Calibration
Integrator: ChemStation

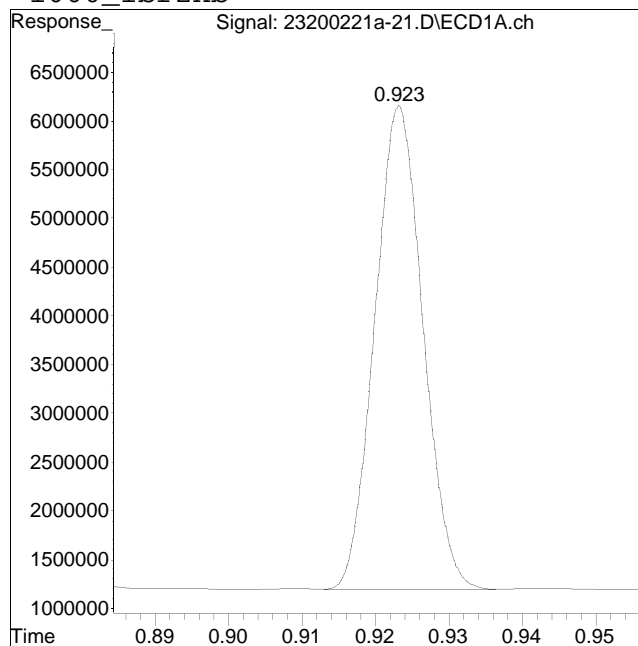
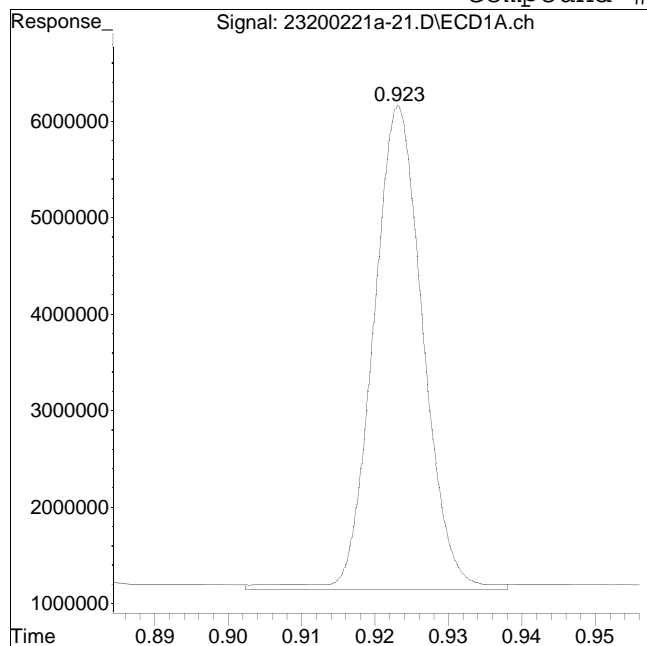
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-21.D Operator : pest23:cw
Date Inj'd : 2/21/2020 2:02 pm Instrument : Pest 23
Sample : 12007286-27,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #1: 1660_1br2nb



Original Peak Response = 23628751

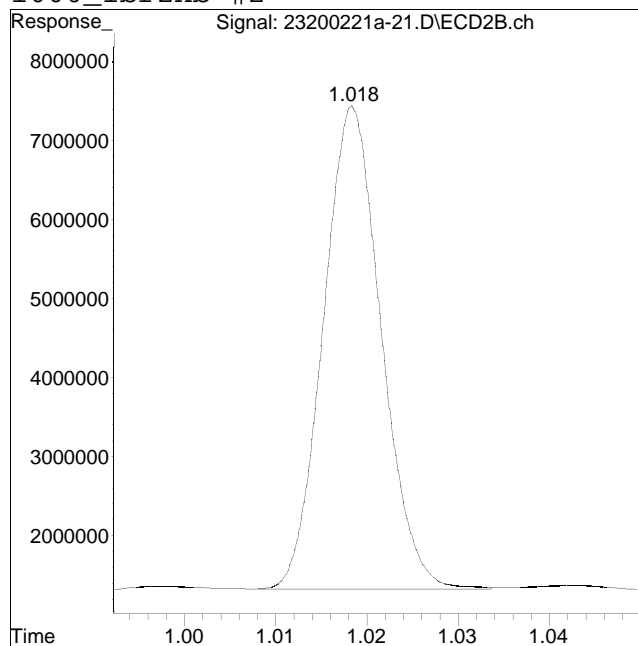
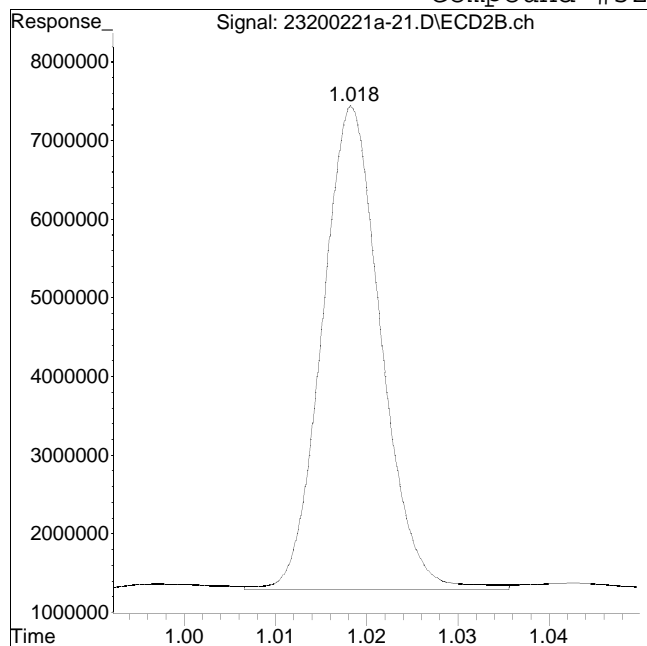
Manual Peak Response = 22640373 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-21.D Operator : pest23:cw
Date Inj'd : 2/21/2020 2:02 pm Instrument : Pest 23
Sample : 12007286-27,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 27551506

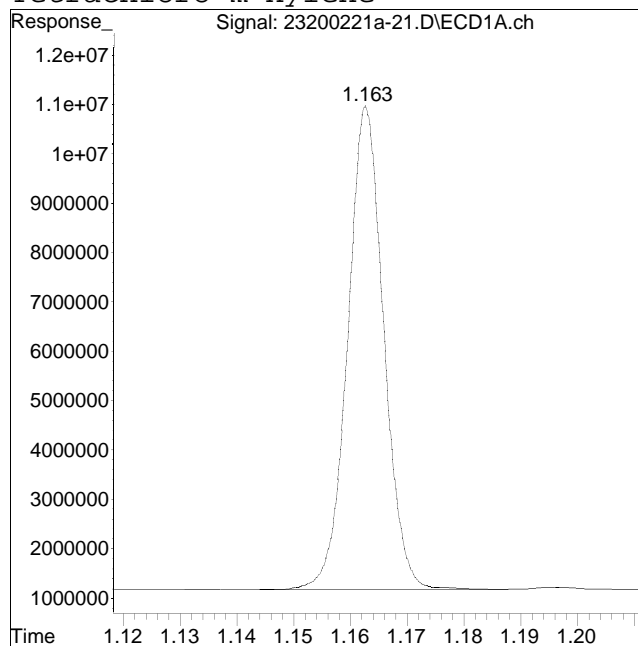
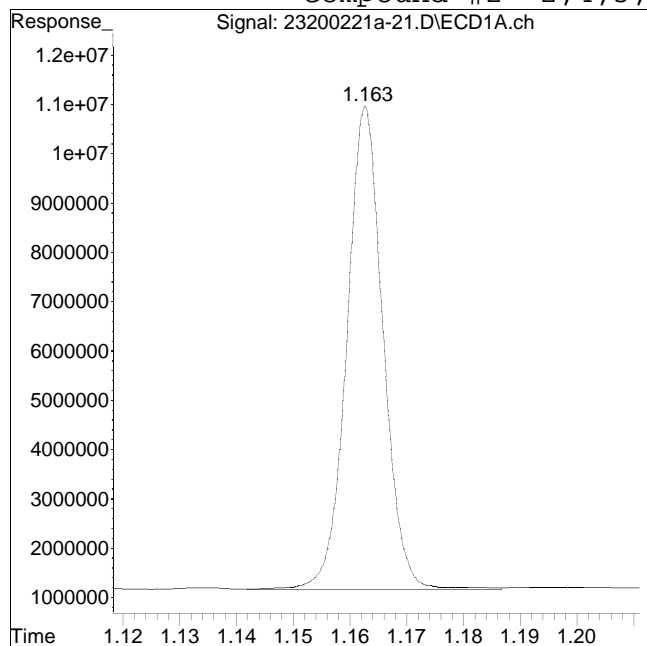
Manual Peak Response = 26852443 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-21.D Operator : pest23:cw
Date Inj'd : 2/21/2020 2:02 pm Instrument : Pest 23
Sample : 12007286-27,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 43718109

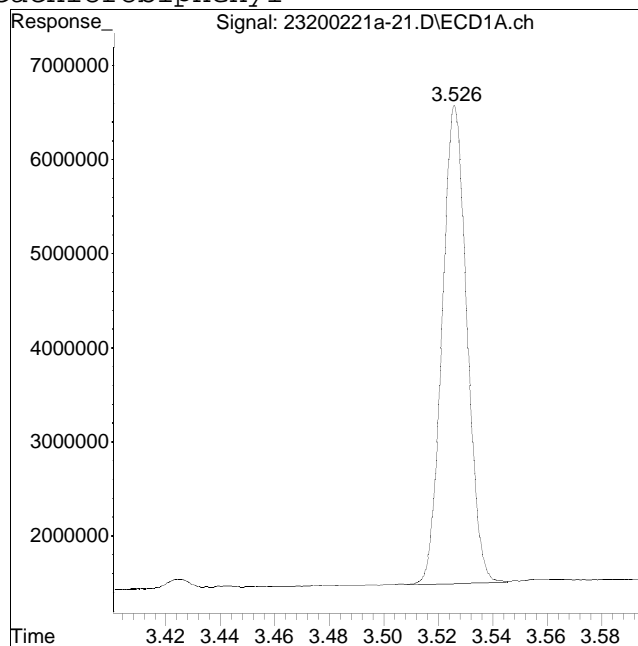
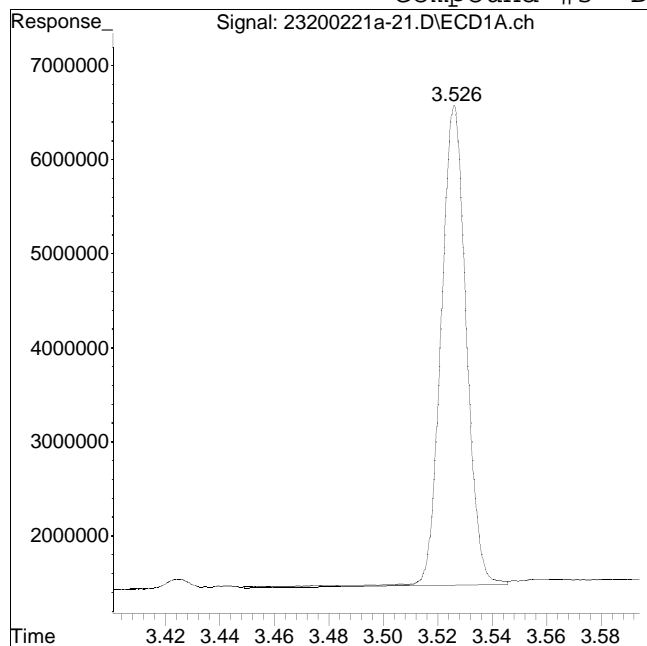
Manual Peak Response = 43266087 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-21.D Operator : pest23:cw
Date Inj'd : 2/21/2020 2:02 pm Instrument : Pest 23
Sample : 12007286-27,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 32830773

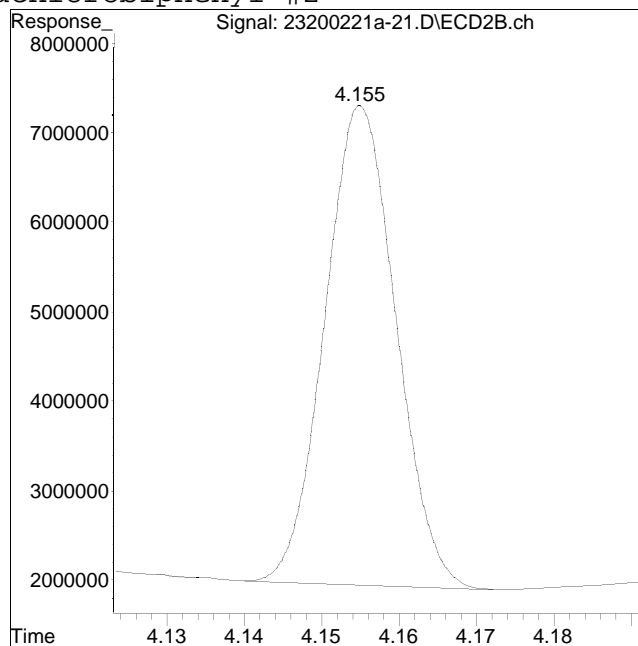
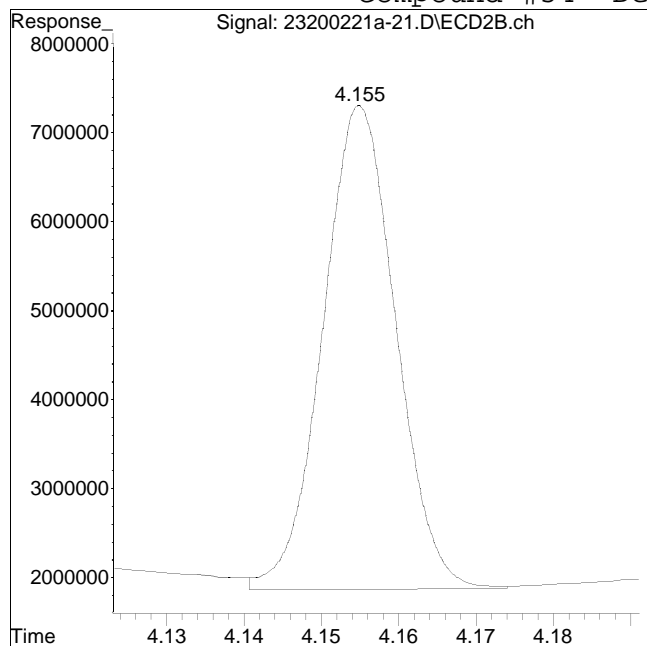
Manual Peak Response = 32017993 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-21.D Operator : pest23:cw
Date Inj'd : 2/21/2020 2:02 pm Instrument : Pest 23
Sample : 12007286-27,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 35648545

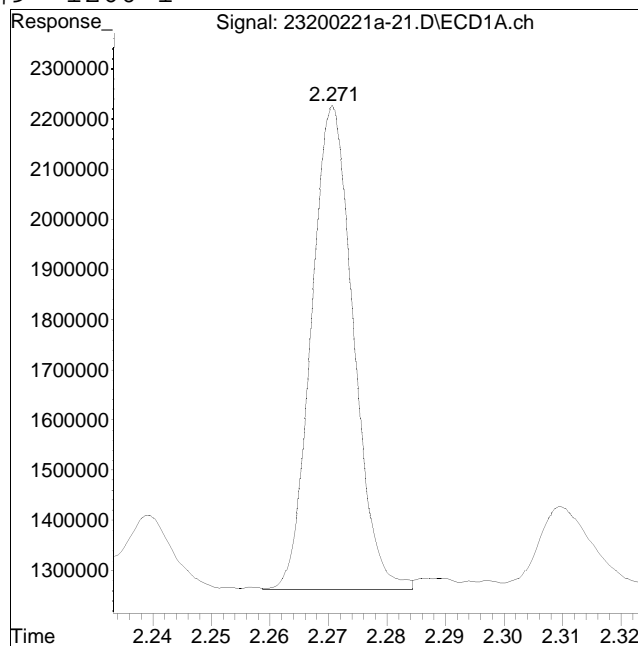
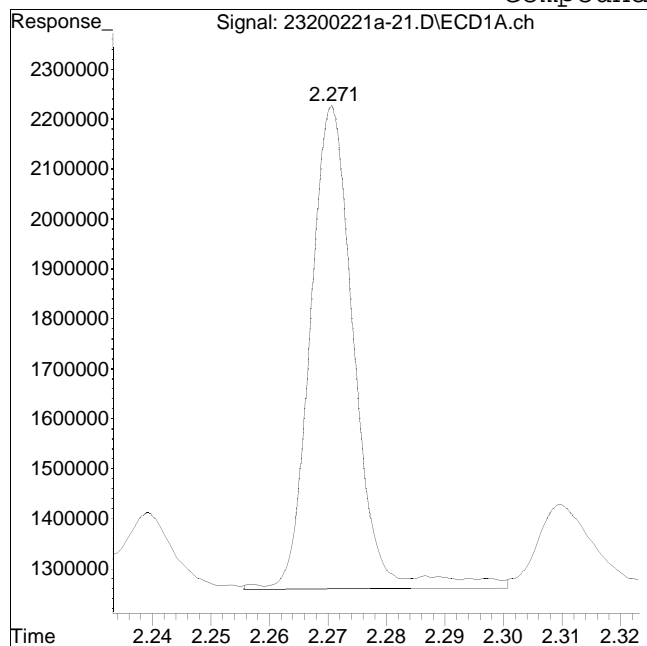
Manual Peak Response = 34277805 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-21.D Operator : pest23:cw
Date Inj'd : 2/21/2020 2:02 pm Instrument : Pest 23
Sample : 12007286-27,42e,, Quant Date : 2/24/2020 3:24 pm

Compound #9: 1260-1



Original Peak Response = 5049932

Manual Peak Response = 4796194 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-40.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 09:15 pm
 Operator : pest23:aws
 Sample : wg1342440-1,42e,,
 Misc : wg1342660,wg1342440,ical16474
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:46:33 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.018	25105210	28567889	250.000	250.000
Standard Area 1 : #1 = 18411280					Recovery =	136.36%
Standard Area 1 : #2 = 21641225					Recovery =	132.01%
14) i 2154_1br2nb	0.923	1.018	25105210	28567889	250.000	250.000
23) i 4268_1br2nb	0.923	1.018	25105210	28567889	250.000	250.000
34) i 1248_1br2nb	0.923	1.018	25105210	28567889	250.000	250.000
40) i 3262_1br2nb	0.923	1.018	25105210	28567889	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.358	50572222	57115165	329.539	361.734
Spiked Amount 500.000	Range 30 - 150				Recovery =	65.91%
72.35%						
3) s Decachlorobi	3.527	4.155	44897804	45011430	431.370	315.877M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	86.27%
63.18%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-40.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 09:15 pm
 Operator : pest23:aws
 Sample : wg1342440-1,42e,,
 Misc : wg1342660,wg1342440,ical16474
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:46:33 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-40.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 09:15 pm
 Operator : pest23:aws
 Sample : wg1342440-1,42e,,
 Misc : wg1342660,wg1342440,ical16474
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:46:33 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200220a\
 Data File : 23200220a-40.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Feb 2020 09:15 pm
 Operator : pest23:aws
 Sample : wg1342440-1,42e,,
 Misc : wg1342660,wg1342440,ical16474
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 21 16:46:33 2020
 Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 16:40:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200220a\23200220a-22.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

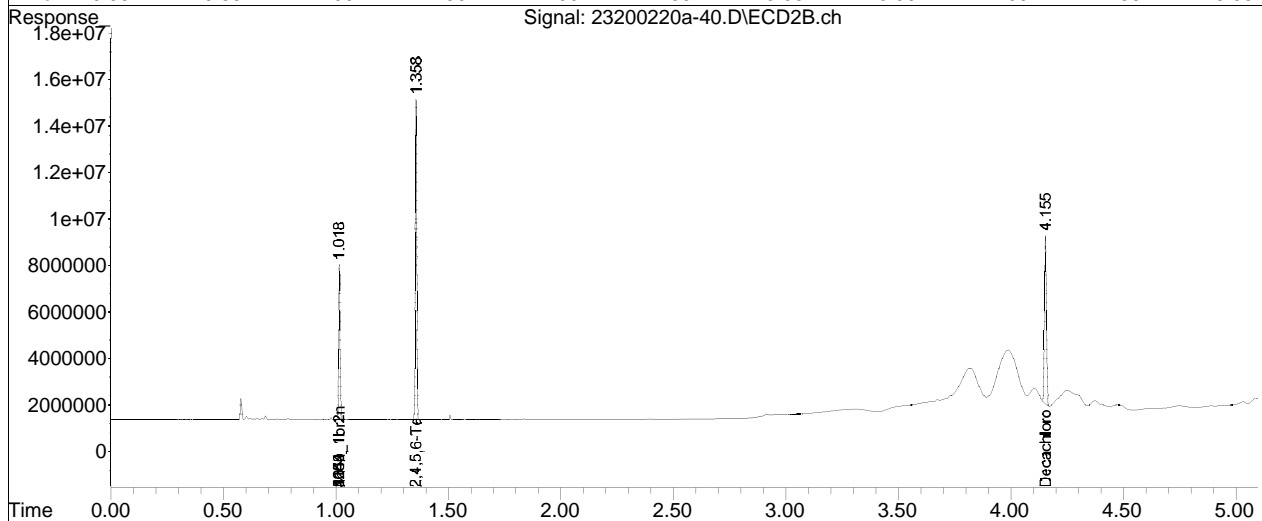
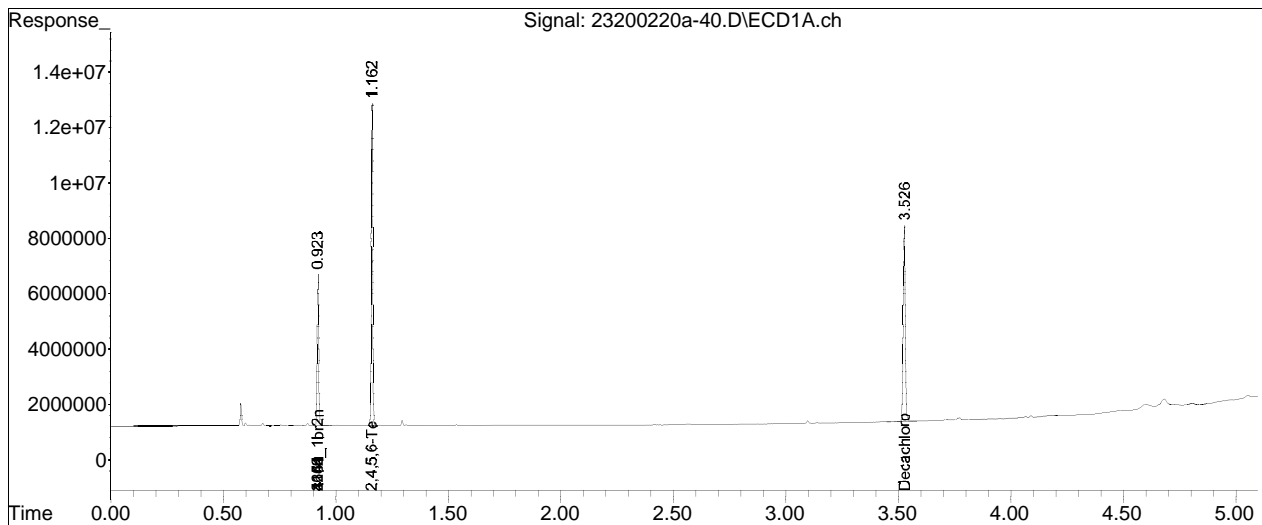
Sub List : Default - All compounds listed20a\23200220a-22.D••

Data Path : I:\Pest23\data\2020\23200220a\
Data File : 23200220a-40.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2020 09:15 pm
Operator : pest23:aws
Sample : wg1342440-1,42e,,
Misc : wg1342660,wg1342440,ical16474
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 21 16:46:33 2020
Quant Method : I:\Pest23\data\2020\23200220a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Fri Feb 21 16:40:10 2020
Response via : Initial Calibration
Integrator: ChemStation

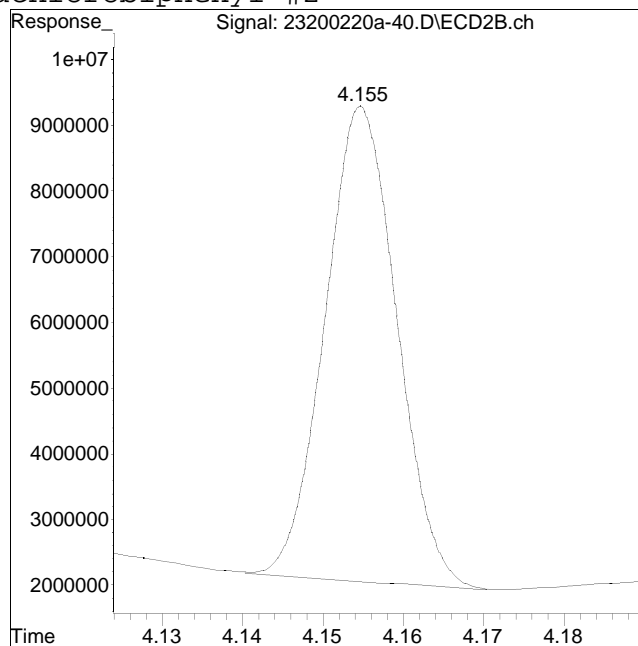
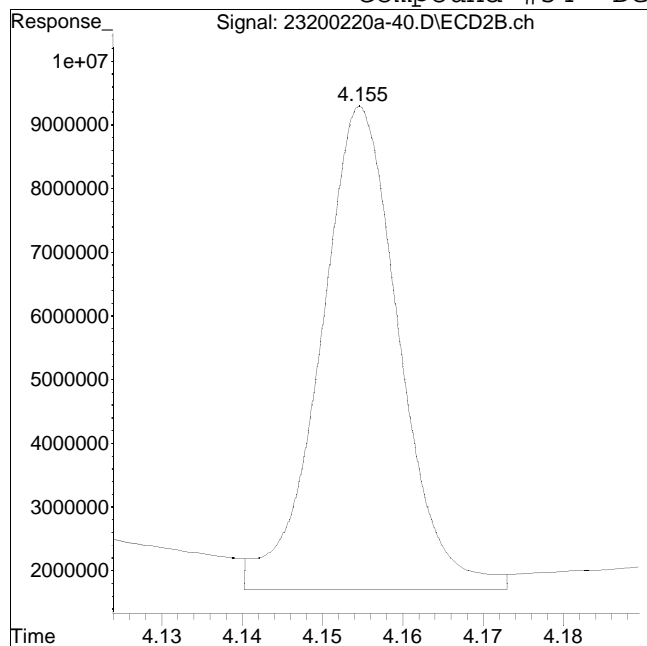
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200220a-40.D Operator : pest23:aws
Date Inj'd : 2/20/2020 9:15 pm Instrument : Pest 23
Sample : wg1342440-1,42e,, Quant Date : 2/21/2020 4:41 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 51722691

Manual Peak Response = 45011430 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200221a\
 Data File : 23200221a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 12:28 pm
 Operator : pest23:cw
 Sample : wg1342270-1,42e,,
 Misc : wg1343129,wg1342270,ical16474
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 22 12:01:03 2020
 Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Fri Feb 21 13:32:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200221a\23200221a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.925	1.015	19349585	22999958	250.000	250.000
Standard Area 1 : #1 = 22528566					Recovery =	85.89%
Standard Area 1 : #2 = 26507143					Recovery =	86.77%
14) i 2154_1br2nb	0.925	1.015	19349585	22999958	250.000	250.000
23) i 4268_1br2nb	0.925	1.015	19349585	22999958	250.000	250.000
34) i 1248_1br2nb	0.925	1.015	19349585	22999958	250.000	250.000
40) i 3262_1br2nb	0.925	1.015	19349585	22999958	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.167	1.357	48975504	55555756	414.062	437.036
Spiked Amount 500.000	Range 30 - 150				Recovery =	82.81%
3) s Decachlorobi	3.553	4.174	44901833	51275386	563.267M4	446.946M3
Spiked Amount 500.000	Range 30 - 150				Recovery =	112.65%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200221a\
 Data File : 23200221a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 12:28 pm
 Operator : pest23:cw
 Sample : wg1342270-1,42e,,
 Misc : wg1343129,wg1342270,ical16474
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 22 12:01:03 2020
 Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 13:32:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200221a\23200221a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					0.000	0.000
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200221a\
 Data File : 23200221a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 12:28 pm
 Operator : pest23:cw
 Sample : wg1342270-1,42e,,
 Misc : wg1343129,wg1342270,ical16474
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 22 12:01:03 2020
 Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 13:32:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200221a\23200221a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200221a\
 Data File : 23200221a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Feb 2020 12:28 pm
 Operator : pest23:cw
 Sample : wg1342270-1,42e,,
 Misc : wg1343129,wg1342270,ical16474
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 22 12:01:03 2020
 Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Fri Feb 21 13:32:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200221a\23200221a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

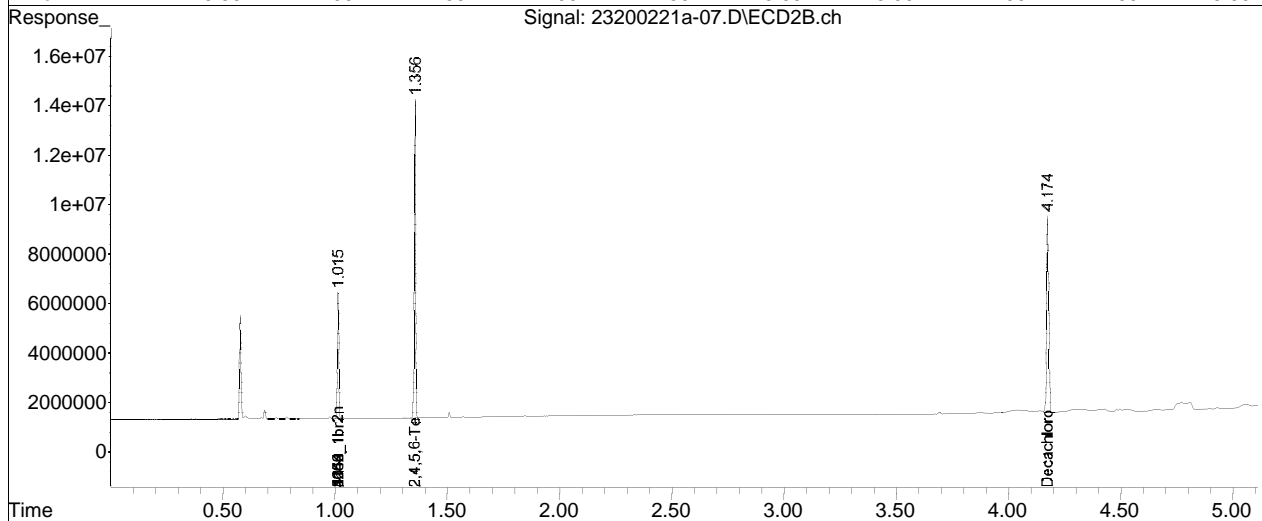
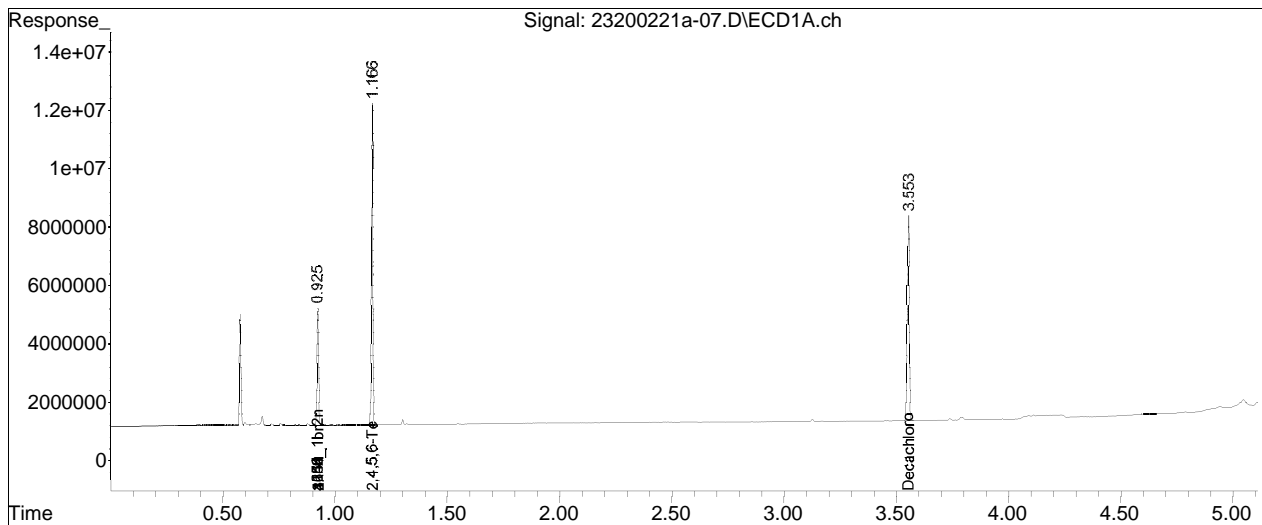
Sub List : Default - All compounds listed21a\23200221a-02.D**

Data Path : I:\Pest23\data\2020\23200221a\
Data File : 23200221a-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2020 12:28 pm
Operator : pest23:cw
Sample : wg1342270-1,42e,,
Misc : wg1343129,wg1342270,ical16474
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 22 12:01:03 2020
Quant Method : I:\Pest23\data\2020\23200221a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Fri Feb 21 13:32:56 2020
Response via : Initial Calibration
Integrator: ChemStation

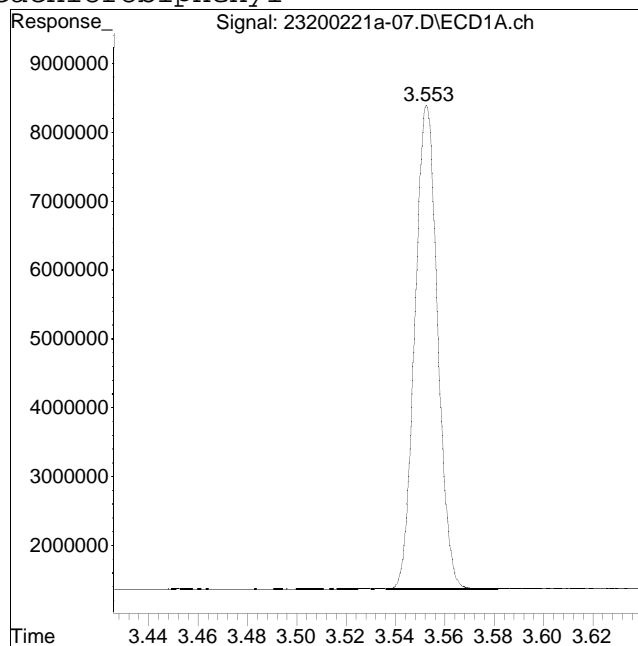
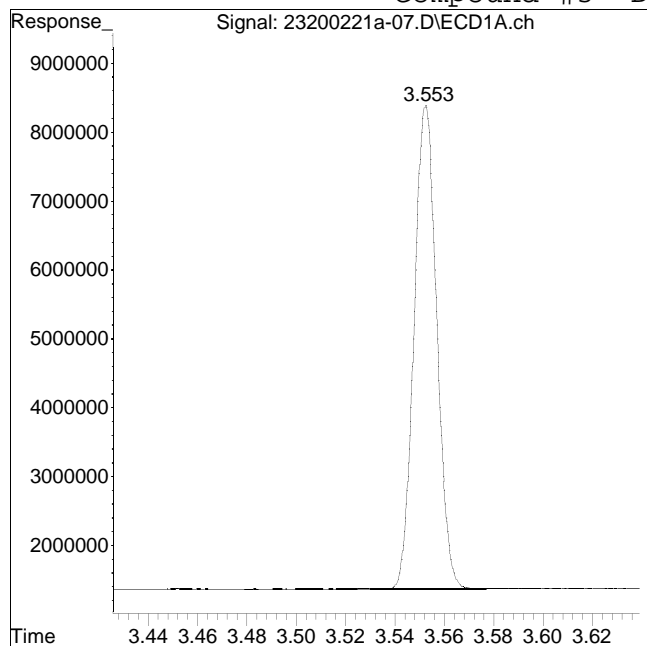
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-07.D Operator : pest23:cw
Date Inj'd : 2/21/2020 12:28 pm Instrument : Pest 23
Sample : wg1342270-1,42e,, Quant Date : 2/22/2020 11:59 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 45026482

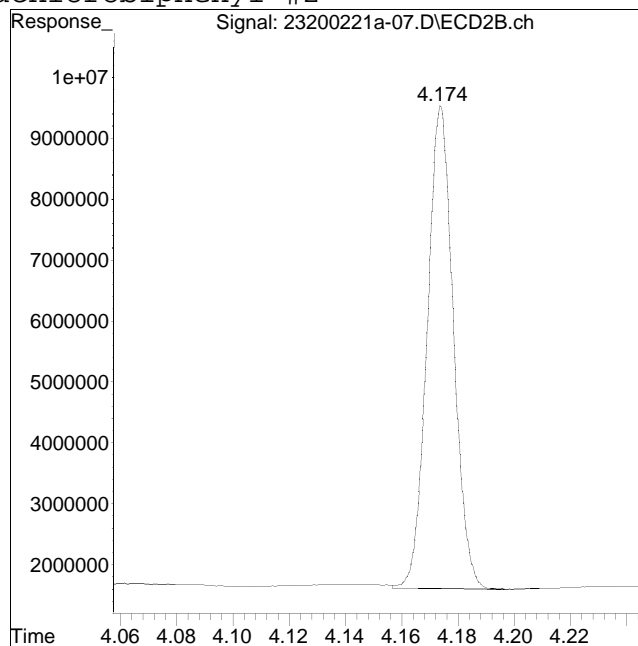
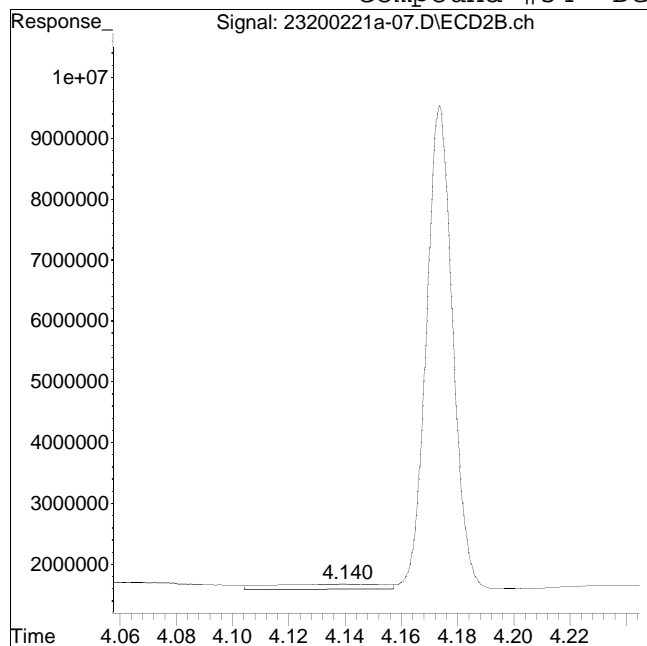
Manual Peak Response = 44901833 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200221a-07.D Operator : pest23:cw
Date Inj'd : 2/21/2020 12:28 pm Instrument : Pest 23
Sample : wg1342270-1,42e,, Quant Date : 2/22/2020 11:59 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 2701879

Manual Peak Response = 51275386 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 01:16 pm
 Operator : pest21:jm
 Sample : wg1344813-1,42e,,
 Misc : wg1344944,wg1344813,ical16334
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 28 11:36:31 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	2.099	2.201	205.8E6	362.0E6	250.000M4	250.000M4
	Standard Area 1 : #1 = 177902492					Recovery = 115.67%	
	Standard Area 1 : #2 = 314112134					Recovery = 115.24%	
14) i	2154_1br2nb	2.099	2.201	205.8E6	362.0E6	250.000M4	250.000M4
23) i	4268_1br2nb	2.099	2.201	205.8E6	362.0E6	250.000M4	250.000M4
34) i	1248_1br2nb	2.099	2.201	205.8E6	362.0E6	250.000M4	250.000M4
40) i	3262_1br2nb	2.099	2.201	205.8E6	362.0E6	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.590	2.836	306.2E6	551.9E6	357.986M4	366.448
	Spiked Amount 500.000 Range 30 - 150					Recovery = 71.60%	73.29%
3) s	Decachlorobi	6.632f	7.268f	220.1E6	326.8E6	314.018	315.955M2
	Spiked Amount 500.000 Range 30 - 150					Recovery = 62.80%	63.19%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 01:16 pm
 Operator : pest21:jm
 Sample : wg1344813-1,42e,,
 Misc : wg1344944,wg1344813,ical16334
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 28 11:36:31 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) 12	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) 12	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) 12	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) 13	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 01:16 pm
 Operator : pest21:jm
 Sample : wg1344813-1,42e,,
 Misc : wg1344944,wg1344813,ical16334
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 28 11:36:31 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D.	N.D.
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18	1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18	1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200227a\
 Data File : 21200227a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 01:16 pm
 Operator : pest21:jm
 Sample : wg1344813-1,42e,,
 Misc : wg1344944,wg1344813,ical16334
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 28 11:36:31 2020
 Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200227a\21200227a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

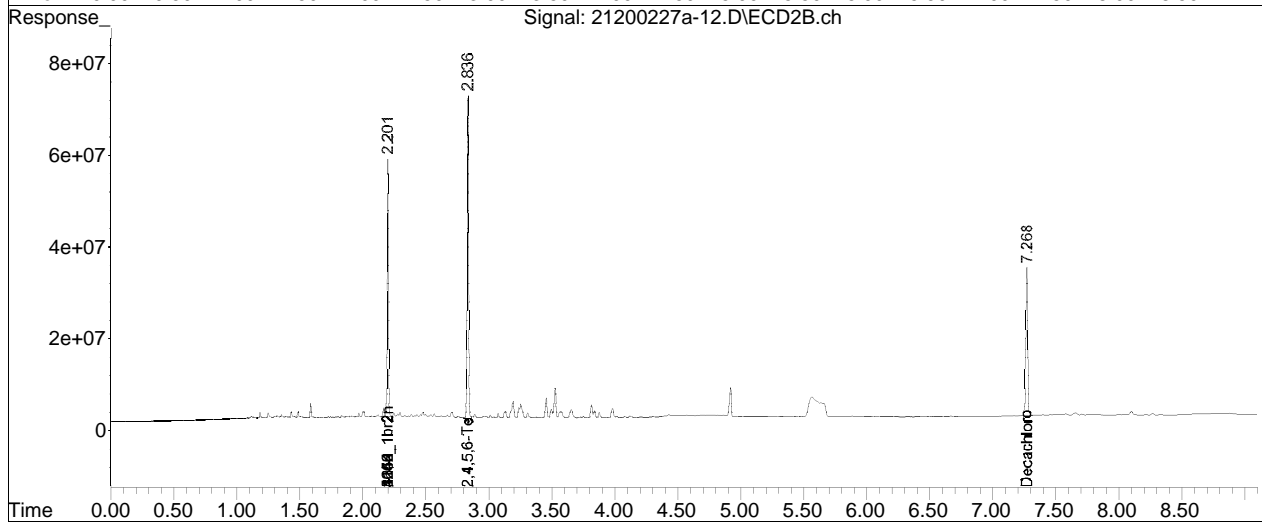
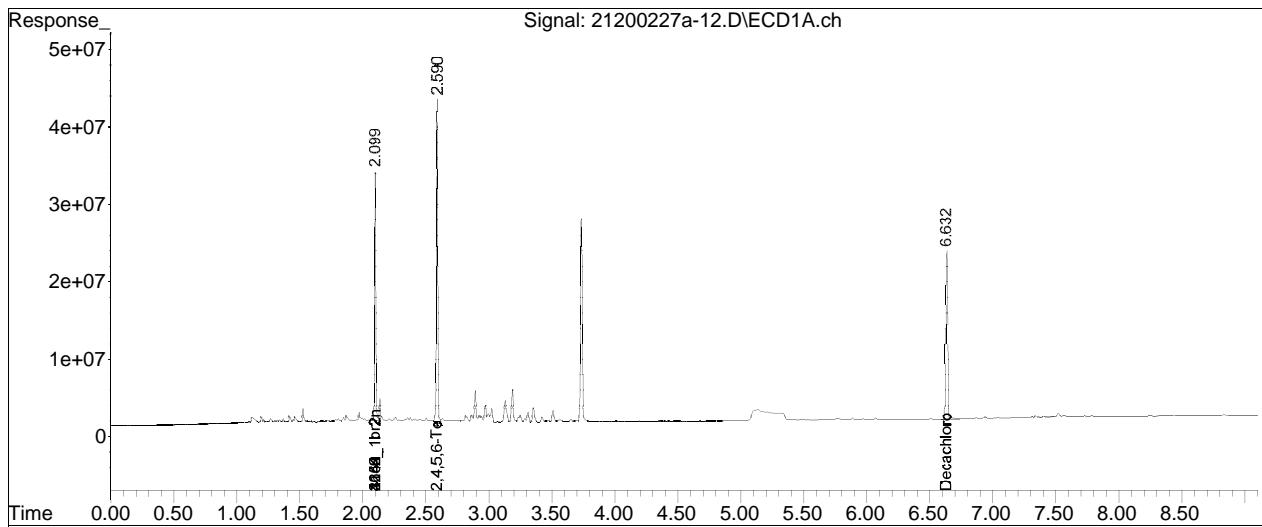
Sub List : Default - All compounds listed 27a\21200227a-02.D**

Data Path : I:\Pest21\data\2020\21200227a\
Data File : 21200227a-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2020 01:16 pm
Operator : pest21:jm
Sample : wg1344813-1,42e,,
Misc : wg1344944,wg1344813,ical16334
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 28 11:36:31 2020
Quant Method : I:\Pest21\data\2020\21200227a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

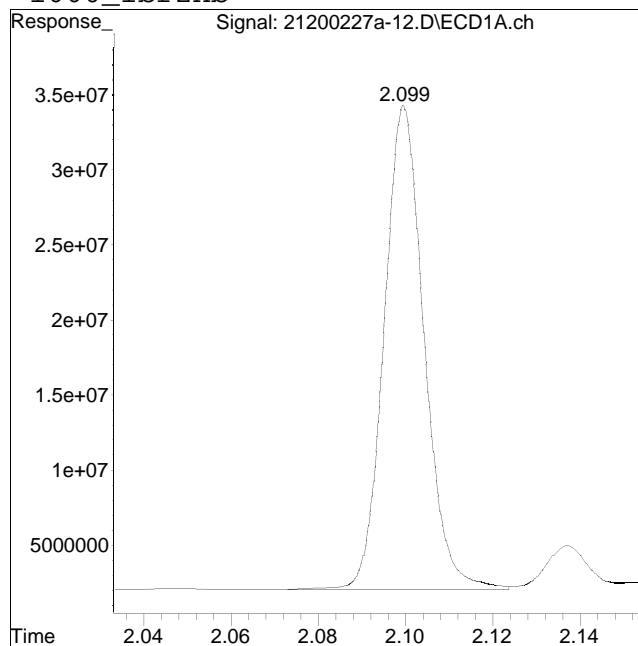
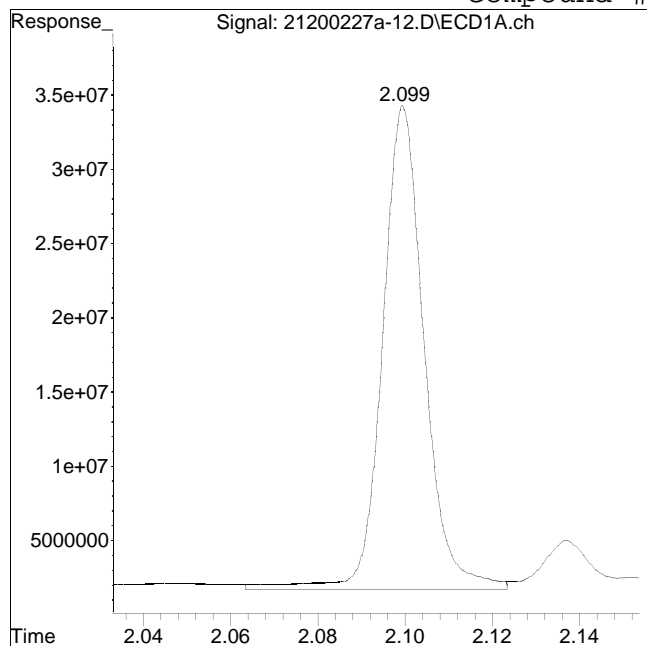
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-12.D Operator : pest21:jm
Date Inj'd : 2/27/2020 1:16 pm Instrument : Pest 21
Sample : wg1344813-1,42e,, Quant Date : 2/27/2020 4:20 pm

Compound #1: 1660_1br2nb



Original Peak Response = 218339885

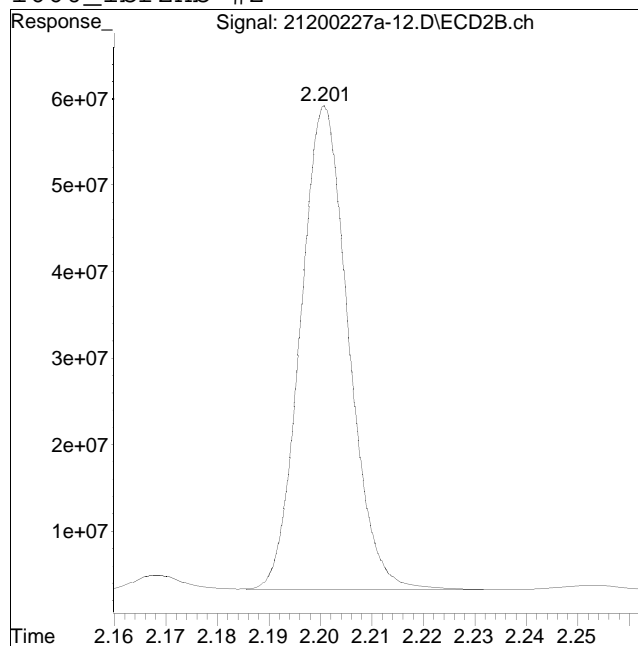
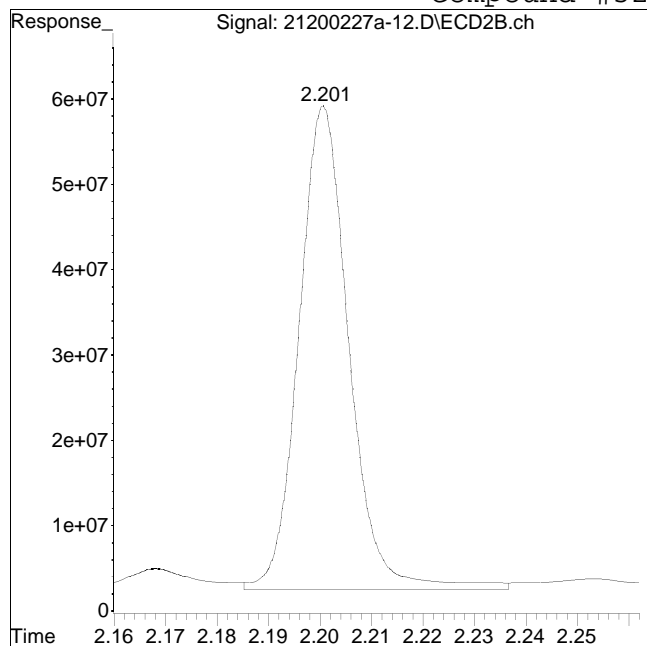
Manual Peak Response = 205783453 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-12.D Operator : pest21:jm
Date Inj'd : 2/27/2020 1:16 pm Instrument : Pest 21
Sample : wg1344813-1,42e,, Quant Date : 2/27/2020 4:20 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 384923679

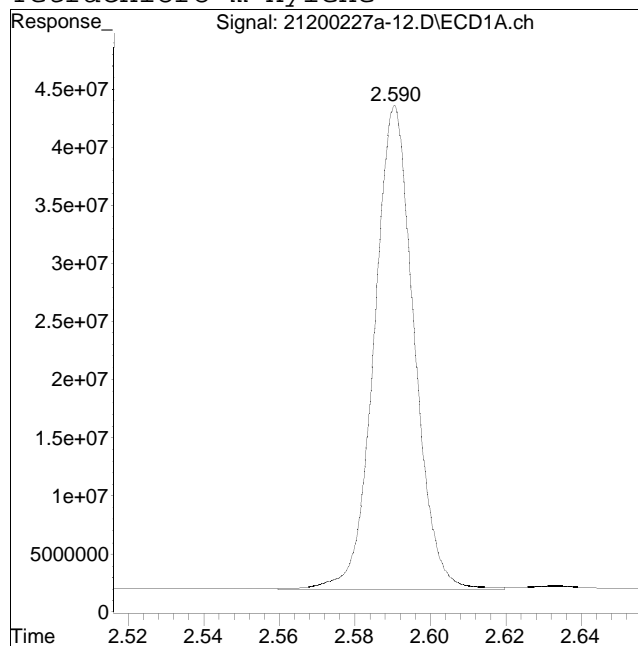
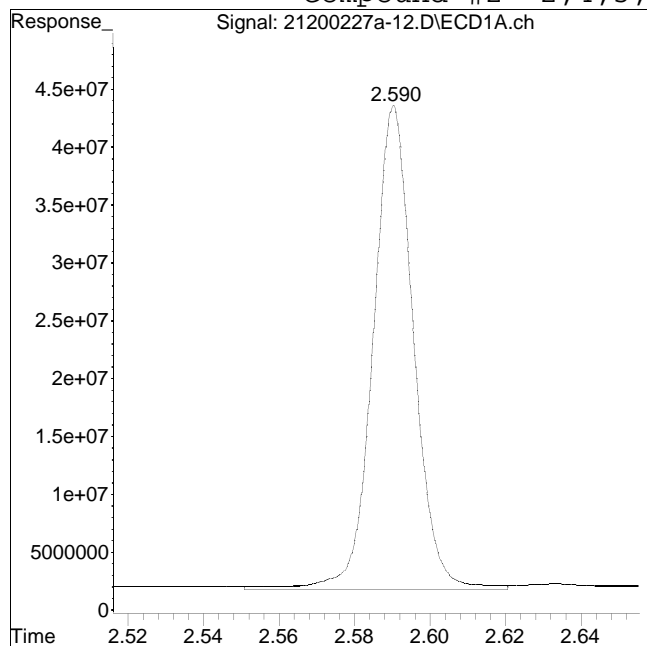
Manual Peak Response = 361967409 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-12.D Operator : pest21:jm
Date Inj'd : 2/27/2020 1:16 pm Instrument : Pest 21
Sample : wg1344813-1,42e,, Quant Date : 2/27/2020 4:20 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 314152833

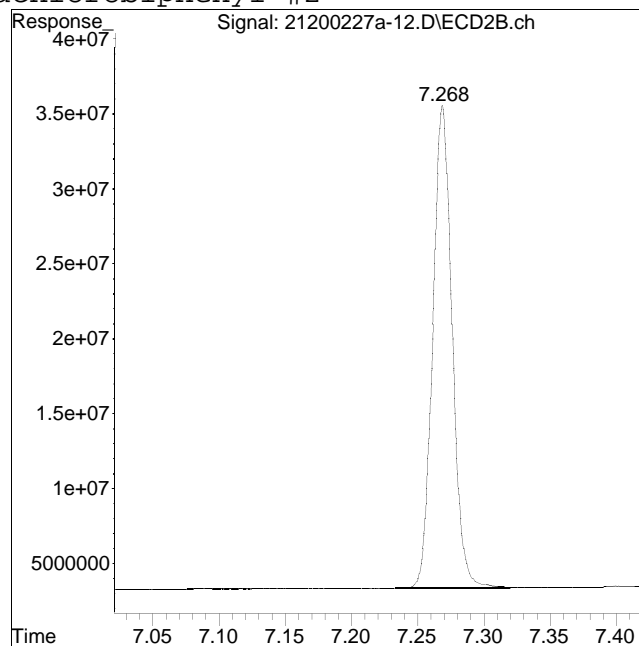
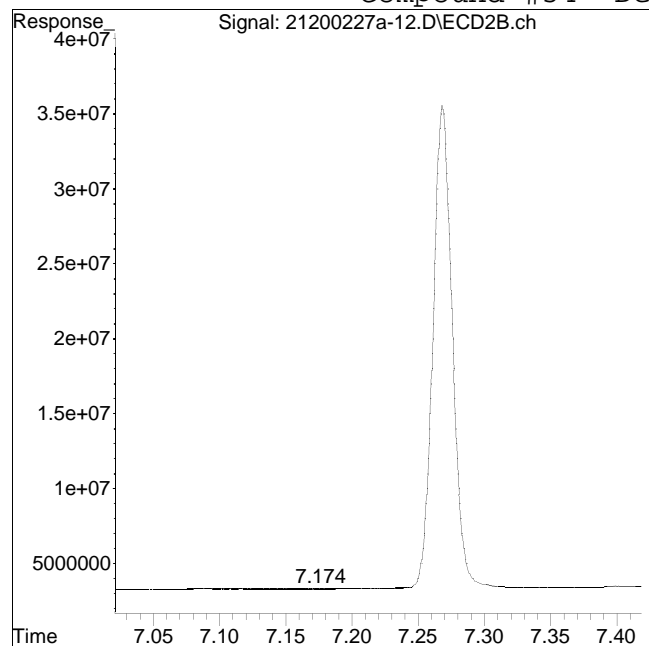
Manual Peak Response = 306215038 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212002QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200227a-12.D Operator : pest21:jm
Date Inj'd : 2/27/2020 1:16 pm Instrument : Pest 21
Sample : wg1344813-1,42e,, Quant Date : 2/27/2020 4:20 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 2884340

Manual Peak Response = 326816299 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200219A\
 Data File : P2200219a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 19 Feb 2020 12:01 pm
 Operator : pest2:aws
 Sample : wg1341993-1,42e,,986 (Sig #1); wg1341989-1,42e,,933 (Sig #2)
 Misc : wg1342194,wg1341993,icall16010
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 15:13:44 2020
 Quant Method : I:\Pest2\200219A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200219A\P2200219a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.100	2.284	132.5E6	88011103	25.000	25.000
Standard Area 1 : #1 = 104874820					Recovery =	126.36%
Standard Area 1 : #2 = 72284488					Recovery =	121.76%
14) i 2154_1br2nb	2.100	2.284	132.5E6	88011103	25.000	25.000
23) i 4268_1br2nb	2.100	2.284	132.5E6	88011103	25.000	25.000
34) i 1248_1br2nb	2.100	2.284	132.5E6	88011103	25.000	25.000
40) i 3262_1br2nb	2.100	2.284	132.5E6	88011103	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.581	2.926	62548252	43210373	11.503	11.652
Spiked Amount 20.000	Range 30 - 150		Recovery =		57.52%	58.26%
3) s Decachlorobi	6.585	7.286f	55903456	38578624	10.710	13.308
Spiked Amount 20.000	Range 30 - 150		Recovery =		53.55%	66.54%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200219A\
 Data File : P2200219a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 19 Feb 2020 12:01 pm
 Operator : pest2:aws
 Sample : wg1341993-1,42e,,986 (Sig #1); wg1341989-1,42e,,933 (Sig #2)
 Misc : wg1342194,wg1341993,icall16010
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 15:13:44 2020
 Quant Method : I:\Pest2\200219A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200219A\P2200219a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200219A\
 Data File : P2200219a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 19 Feb 2020 12:01 pm
 Operator : pest2:aws
 Sample : wg1341993-1,42e,,986 (Sig #1); wg1341989-1,42e,,933 (Sig #2)
 Misc : wg1342194,wg1341993,icall16010
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 19 15:13:44 2020
 Quant Method : I:\Pest2\200219A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200219A\P2200219a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

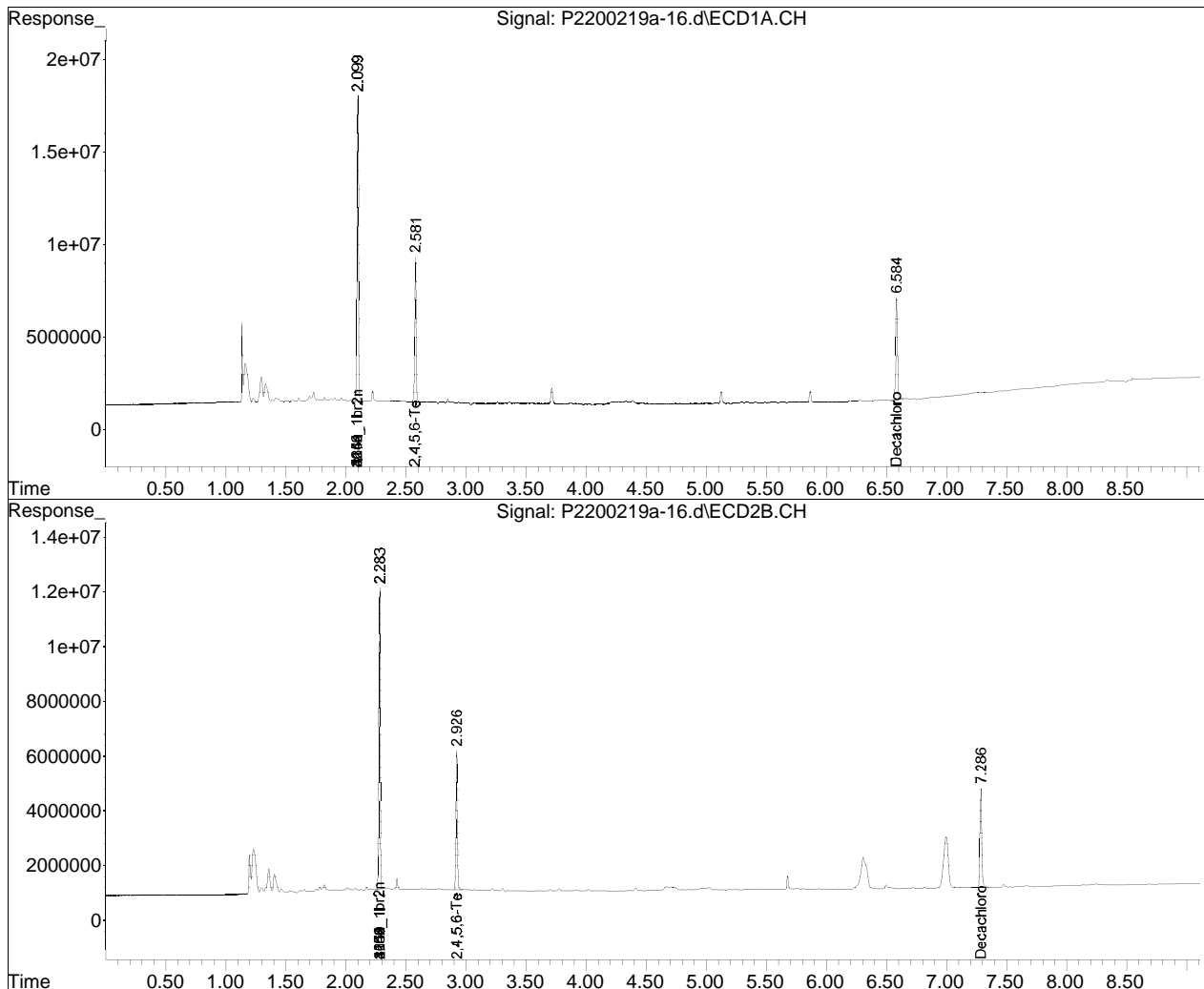
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200219A\
Data File : P2200219a-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2020 12:01 pm
Operator : pest2:aws
Sample : wg1341993-1,42e,,986 (Sig #1); wg1341989-1,42e,,933 (Sig #2)
Misc : wg1342194,wg1341993,ical16010
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 19 15:13:44 2020
Quant Method : I:\Pest2\200219A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 13 20:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest2\200219A\ Data File	: P200219a-16.d	QMethod	: P2_pcb_08_06_19_LVI_ugL_
Date Inj'd	: 2/19/2020 12:01 pm		Operator	: pest2:aws
Sample	: wg1341993-1,42e,,986		Instrument	: PEST 2
			Quant Date	: 2/19/2020 2:53 pm

There are no manual integrations or false positives in this file.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-01	Date Collected : 02/18/20 09:18
Client ID : E-204-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-02	Date Collected : 02/18/20 09:38
Client ID : E-204-2.0-2.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-05	Date Collected : 02/18/20 10:44
Client ID : E-138-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	84.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-06	Date Collected : 02/18/20 11:45
Client ID : E-138-2.0-2.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-07	Date Collected : 02/18/20 11:06
Client ID : E-146-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-08	Date Collected : 02/18/20 12:10
Client ID : E-146-2.0-2.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-11	Date Collected : 02/18/20 12:41
Client ID : E-148-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-12	Date Collected : 02/18/20 13:01
Client ID : E-148-2.0-2.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-14	Date Collected : 02/18/20 13:39
Client ID : E-190-1.5-2.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-15	Date Collected : 02/18/20 13:58
Client ID : E-191-1.5-2.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-16	Date Collected : 02/18/20 14:10
Client ID : E-192-1.5-2.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 89
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-17	Date Collected : 02/18/20 14:26
Client ID : E-193-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 79
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	79.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-18	Date Collected : 02/18/20 14:32
Client ID : E-193-2.0-2.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-19	Date Collected : 02/18/20 14:46
Client ID : E-193-3.0-3.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-20	Date Collected : 02/18/20 14:58
Client ID : E-195-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-21	Date Collected : 02/18/20 15:02
Client ID : E-195-2.0-2.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 89
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-22	Date Collected : 02/18/20 15:13
Client ID : E-195-3.0-3.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-23	Date Collected : 02/18/20 15:33
Client ID : E-194-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-24	Date Collected : 02/18/20 15:40
Client ID : E-194-2.0-2.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 89
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-25	Date Collected : 02/18/20 15:47
Client ID : E-194-3.0-3.5	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-26	Date Collected : 02/18/20 16:03
Client ID : E-188-0.5-1.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 11:58
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342260.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-27	Date Collected : 02/18/20 16:14
Client ID : E-188-1.5-2.0	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 11:58
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342260.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007286-28	Date Collected : 02/18/20 00:00
Client ID : X-8-02182020	Date Received : 02/18/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/19/20 11:58
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342260.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 79
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1342286-1	Date Collected : 02/18/20 09:18
Client ID : E-204-0.5-1.0DUP	Date Received : 02/18/20
Sample Location :	Date Analyzed : 02/19/20 13:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342286.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.1	0.100	NA	



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client : Wood Env & Infrastructure Solutions Lab Number : L2007286
Project Name : AMTRAK- EAST BARRACKS Project Number : 277710568.0008.06
Client Sample ID : E-204-0.5-1.0 Matrix : SOIL
Lab Sample ID : L2007286-01 Analysis Date : 02/19/20 13:20
Dup Sample ID : WG1342286-1 DUP Analysis Date : 02/19/20 13:20

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	83.1	83.1	0	20





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Lab Number: L2007485

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

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**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0008.06		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2007485		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/19/2020		Date of Last Sample Receipt: 02/19/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-189-0.5-1.0	L2007485-01	AMTRAK-EAST BARRACKS	02/19/2020 09:05
E-189-1.5-2.0	L2007485-02	AMTRAK-EAST BARRACKS	02/19/2020 09:10
E-196-0.5-1.0	L2007485-03	AMTRAK-EAST BARRACKS	02/19/2020 09:44
E-196-2.0-2.5	L2007485-04	AMTRAK-EAST BARRACKS	02/19/2020 09:50
E-196-3.0-3.5	L2007485-05	AMTRAK-EAST BARRACKS	02/19/2020 10:11
E-185-0.5-1.0	L2007485-06	AMTRAK-EAST BARRACKS	02/19/2020 10:39
E-185-1.5-2.0	L2007485-07	AMTRAK-EAST BARRACKS	02/19/2020 10:42
E-183-0.5-1.0	L2007485-08	AMTRAK-EAST BARRACKS	02/19/2020 10:59
E-183-1.5-2.0	L2007485-09	AMTRAK-EAST BARRACKS	02/19/2020 11:10
E-184-0.5-1.0	L2007485-10	AMTRAK-EAST BARRACKS	02/19/2020 11:20
E-184-1.5-2.0	L2007485-11	AMTRAK-EAST BARRACKS	02/19/2020 11:27
E-182-0.5-1.0	L2007485-12	AMTRAK-EAST BARRACKS	02/19/2020 12:18
E-182-1.5-2.0	L2007485-13	AMTRAK-EAST BARRACKS	02/19/2020 12:26
E-181-0.5-1.0	L2007485-14	AMTRAK-EAST BARRACKS	02/19/2020 12:47
E-181-1.5-2.0	L2007485-15	AMTRAK-EAST BARRACKS	02/19/2020 13:05
E-175-0.5-1.0	L2007485-16	AMTRAK-EAST BARRACKS	02/19/2020 13:25
E-175-2.0-2.5	L2007485-17	AMTRAK-EAST BARRACKS	02/19/2020 13:37
E-175-3.5-4.0	L2007485-18	AMTRAK-EAST BARRACKS	02/19/2020 13:53
E-180-0.5-1.0	L2007485-19	AMTRAK-EAST BARRACKS	02/19/2020 14:05
E-180-1.5-2.0	L2007485-20	AMTRAK-EAST BARRACKS	02/19/2020 14:15
E-173-0.5-1.0	L2007485-21	AMTRAK-EAST BARRACKS	02/19/2020 14:45

Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0008.06	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2007485	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/19/2020	Date of Last Sample Receipt: 02/19/2020

E-173-2.0-2.5	L2007485-22	AMTRAK-EAST BARRACKS	02/19/2020 14:57
E-173-3.5-4.0	L2007485-23	AMTRAK-EAST BARRACKS	02/19/2020 15:12
E-169-0.5-1.0	L2007485-24	AMTRAK-EAST BARRACKS	02/19/2020 15:20
E-169-2.0-2.5	L2007485-25	AMTRAK-EAST BARRACKS	02/19/2020 15:39
E-169-3.5-4.0	L2007485-26	AMTRAK-EAST BARRACKS	02/19/2020 15:51
EB-9-02192020	L2007485-27	AMTRAK-EAST BARRACKS	02/19/2020 15:07
X-9-02192020	L2007485-28	AMTRAK-EAST BARRACKS	02/19/2020 00:00

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.

Technical Director/Representative (Typed) Tiffani Morrissey	02/26/20
Technical Director/Representative (Signature) <i>Tiffani Morrissey</i>	

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Chain of Custody





**NEW JERSEY
CHAIN OF
CUSTODY**

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-896-8193

Mansfield, MA 02048
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TEL: 508-822-9300
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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

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of 3

Date Rec'd
in Lab 2/20/20

ALPHA Job #
L2007485

Client Information		Project Information		Deliverables		Billing Information	
Client: <u>WOOD E IIS</u>		Project Name: <u>AMTRAK - EAST BARRACKS</u>		<input checked="" type="checkbox"/> NJ Full / Reduced		<input type="checkbox"/> Same as Client Info	
Address: <u>SEE PAGE 1</u>		Project Location: <u>SEE PAGE 1</u>		<input type="checkbox"/> EQULS (1 File) <input type="checkbox"/> EQULS (4 File)		PO #	
Phone: <u>SEE PAGE 1</u>		Project #		<input type="checkbox"/> Other			
Fax:		(Use Project name as Project #) <input type="checkbox"/>		Regulatory Requirement		Site Information	
Email:		Project Manager: <u>SEE PAGE 1</u>		<input checked="" type="checkbox"/> SRS Residential/Non Residential		Is this site impacted by Petroleum? Yes <input type="checkbox"/>	
		ALPHAQuote #:		<input checked="" type="checkbox"/> SRS Impact to Groundwater		Petroleum Product:	
		Turn-Around Time		<input type="checkbox"/> NJ Ground Water Quality Standards			
		Standard <input checked="" type="checkbox"/>		<input type="checkbox"/> NJ IGW SPLP Leachate Criteria			
		Rush (only if pre approved) <input type="checkbox"/>		<input type="checkbox"/> Other			
		Due Date:					
		# of Days:					

These samples have been previously analyzed by Alpha <input type="checkbox"/>			ANALYSIS				Sample Filtration		
For EPH, selection is REQUIRED:	For VOC, selection is REQUIRED:	Other project specific requirements/comments:						<input type="checkbox"/> Done	Total Boilers
<input type="checkbox"/> Category 1	<input type="checkbox"/> 1,4-Dioxane	<u>H = HOLD</u> Please specify Metals or TAL.						<input type="checkbox"/> Lab to do	
<input type="checkbox"/> Category 2	<input type="checkbox"/> 8011							<input type="checkbox"/> Lab to do	
							(Please Specify below)		

ALPHA Lab ID. (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	PCB (900-946 8052A)							Sample Specific Comments	
		Date	Time											
<u>07485-11</u>	<u>E-184-1.5-2.0</u>	<u>2-19-20</u>	<u>1127</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>								
<u>-12</u>	<u>E-182-0.5-1.0</u>	<u>2-19-20</u>	<u>1218</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>								
<u>-13</u>	<u>E-182-1.5-2.0</u>	<u>2-19-20</u>	<u>1226</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>								
<u>-14</u>	<u>E-181-0.5-1.0</u>	<u>2-19-20</u>	<u>1247</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>								
<u>-15</u>	<u>E-181-1.5-2.0</u>	<u>2-19-20</u>	<u>1305</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>								
<u>-16</u>	<u>E-175-0.5-1.0</u>	<u>2-19-20</u>	<u>1325</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>								
<u>-17</u>	<u>E-175-2.0-2.5</u>	<u>2-19-20</u>	<u>1337</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>								
<u>-18</u>	<u>E-175-3.5-4.0</u>	<u>2-19-20</u>	<u>1353</u>	<u>SOIL</u>	<u>NDF</u>	<u>H</u>								
<u>-19</u>	<u>E-180-0.5-1.0</u>	<u>2-19-20</u>	<u>1405</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>								
<u>-20</u>	<u>E-180-1.5-2.0</u>	<u>2-19-20</u>	<u>1415</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>								

Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type: <u>A</u>								Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)
						Preservative:								
				Relinquished By:		Date/Time:		Received By:		Date/Time:				
				<u>[Signature]</u>		<u>2-19-20 1645</u>		<u>[Signature]</u>		<u>2-19-20 1645</u>				
				<u>[Signature]</u>		<u>2-19-20 1645</u>		<u>[Signature]</u>		<u>2-19-20 1645</u>				
				<u>[Signature]</u>		<u>2/20/20 0005</u>		<u>[Signature]</u>		<u>2/20/20 0005</u>				

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 04:36 pm

Login Number: L2007485

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0008.06

Received: 19FEB20 Due Date: 27FEB20

Sample #	Client ID	Mat PR Collected
L2007485-01	E-189-0.5-1.0	3 S0 19FEB20 09:05
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 02/27/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2007485-02	E-189-1.5-2.0	3 S0 19FEB20 09:10
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007485-03	E-196-0.5-1.0	3 S0 19FEB20 09:44
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007485-04	E-196-2.0-2.5	3 S0 19FEB20 09:50
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007485-05	E-196-3.0-3.5	3 S0 19FEB20 10:11
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007485-06	E-185-0.5-1.0	3 S0 19FEB20 10:39
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 04:36 pm

Login Number: L2007485

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 19FEB20 Due Date: 27FEB20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2007485-07 E-185-1.5-2.0 3 S0 19FEB20 10:42

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2007485-08 E-183-0.5-1.0 3 S0 19FEB20 10:59

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2007485-09 E-183-1.5-2.0 3 S0 19FEB20 11:10

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2007485-10 E-184-0.5-1.0 3 S0 19FEB20 11:20

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2007485-11 E-184-1.5-2.0 3 S0 19FEB20 11:27

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 04:36 pm

Login Number: L2007485

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 19FEB20 Due Date: 27FEB20

Sample #	Client ID	Mat PR Collected
L2007485-12	E-182-0.5-1.0	3 S0 19FEB20 12:18
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007485-13	E-182-1.5-2.0	3 S0 19FEB20 12:26
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007485-14	E-181-0.5-1.0	3 S0 19FEB20 12:47
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007485-15	E-181-1.5-2.0	3 S0 19FEB20 13:05
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007485-16	E-175-0.5-1.0	3 S0 19FEB20 13:25
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007485-17	E-175-2.0-2.5	3 S0 19FEB20 13:37
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 04:36 pm

Login Number: L2007485

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 19FEB20 Due Date: 27FEB20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2007485-18 E-175-3.5-4.0 3 S0 19FEB20 13:53

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

HOLD-8082,HOLD-CONTINGENCY

L2007485-19 E-180-0.5-1.0 3 S0 19FEB20 14:05

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2007485-20 E-180-1.5-2.0 3 S0 19FEB20 14:15

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2007485-21 E-173-0.5-1.0 3 S0 19FEB20 14:45

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2007485-22 E-173-2.0-2.5 3 S0 19FEB20 14:57

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 04:36 pm

Login Number: L2007485

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 19FEB20 Due Date: 27FEB20

Sample #	Client ID	Mat PR Collected
L2007485-23	E-173-3.5-4.0	3 S0 19FEB20 15:12
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
HOLD-8082,HOLD-CONTINGENCY		
L2007485-24	E-169-0.5-1.0	3 S0 19FEB20 15:20
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007485-25	E-169-2.0-2.5	3 S0 19FEB20 15:39
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007485-26	E-169-3.5-4.0	3 S0 19FEB20 15:51
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
HOLD-8082,HOLD-CONTINGENCY		
L2007485-27	EB-9-02192020	1 S0 19FEB20 15:07
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082-LVI		
L2007485-28	X-9-02192020	3 S0 19FEB20 00:00
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 04:36 pm

Login Number: L2007485

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 19FEB20 Due Date: 27FEB20

Sample #	Client ID	Mat PR Collected
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NJ-8082,TS

**ALPHA ANALYTICAL LABORATORIES
Container Tracking Report**

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007485-01A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-01A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-01A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-01A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-01A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-01A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-01A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-02A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007485-02A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007485-02A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	W17-S3-D CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007485-02A	Glass-A.06	INTACT	22-FEB-20		WALK-IN	CUSTODY Sam Bardsley	W17-S3-D CUSTODY	W17-S3-D CUSTODY	Sam Bardsley
L2007485-02A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007485-02A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN	CUSTODY Michael Lamb	ORGPREP	ORGPREP	Michael Lamb
L2007485-02A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-02A	Glass-A.06	INTACT	22-FEB-20	CUSTODY	W15-S5-B CUSTODY	Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2007485-02A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-02A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-02A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-02A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-02A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-02A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-02A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-03A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-03A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-03A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007485-03A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W18-S3-D	CUSTODY	W18-S3-D CUSTODY Sam Bardsley
L2007485-03A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007485-03A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-03A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-04A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W15-S5-B	CUSTODY	W15-S5-B CUSTODY Brittney Kelley
L2007485-04A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Emmanuel Toro
L2007485-04A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D	CUSTODY Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-04A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W18-S3-D	CUSTODY	W18-S3-D CUSTODY Sam Bardsley
L2007485-04A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007485-04A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-04A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-05A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W15-S5-B	CUSTODY	W15-S5-B CUSTODY Brittney Kelley
L2007485-05A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Emmanuel Toro
L2007485-05A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D	CUSTODY Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-05A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W18-S3-D	CUSTODY	W18-S3-D CUSTODY Sam Bardsley
L2007485-05A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007485-05A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-05A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-06A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W15-S5-B	CUSTODY	W15-S5-B CUSTODY Brittney Kelley
L2007485-06A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Emmanuel Toro
L2007485-06A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D	CUSTODY Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-06A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W18-S3-D	CUSTODY	W18-S3-D CUSTODY Sam Bardsley
L2007485-06A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007485-06A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-06A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007485-07A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W15-S5-B	CUSTODY	W15-S5-B CUSTODY Brittney Kelley
L2007485-07A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Emmanuel Toro
L2007485-07A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D	CUSTODY Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-07A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W18-S3-D	CUSTODY	W18-S3-D CUSTODY Sam Bardsley
L2007485-07A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007485-07A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-07A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-08A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W15-S5-B	CUSTODY	W15-S5-B CUSTODY Brittney Kelley
L2007485-08A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Emmanuel Toro
L2007485-08A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D	CUSTODY Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-08A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W18-S3-D	CUSTODY	W18-S3-D CUSTODY Sam Bardsley
L2007485-08A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007485-08A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-08A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-09A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W15-S5-B	CUSTODY	W15-S5-B CUSTODY Brittney Kelley
L2007485-09A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Emmanuel Toro
L2007485-09A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D	CUSTODY Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-09A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W18-S3-D	CUSTODY	W18-S3-D CUSTODY Sam Bardsley
L2007485-09A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007485-09A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-09A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-10A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W1-S3-B	CUSTODY	W1-S3-B CUSTODY Phillip Renaud
L2007485-10A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Tian-long Chheou
L2007485-10A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	W17-S3-D	CUSTODY Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007485-10A	Glass-A.06	INTACT	22-FEB-20		WALK-IN	CUSTODY Sam Bardsley	W17-S3-D	CUSTODY	W17-S3-D CUSTODY Sam Bardsley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007485-10A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007485-10A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Michael Lamb	ORGPREP	ORGPREP	Michael Lamb
L2007485-10A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-10A	Glass-A.06	INTACT	22-FEB-20	CUSTODY	W15-S5-B CUSTODY	Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2007485-10A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-10A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-10A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-10A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-10A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-10A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-10A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-11A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007485-11A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007485-11A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	W17-S3-D CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007485-11A	Glass-A.06	INTACT	22-FEB-20		WALK-IN CUSTODY	Sam Bardsley	W17-S3-D CUSTODY	W17-S3-D CUSTODY	Sam Bardsley
L2007485-11A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007485-11A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Michael Lamb	ORGPREP	ORGPREP	Michael Lamb
L2007485-11A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-11A	Glass-A.06	INTACT	22-FEB-20	CUSTODY	W15-S5-B CUSTODY	Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2007485-11A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-11A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-11A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-11A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-11A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-11A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007485-11A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-12A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007485-12A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007485-12A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	W17-S3-D CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007485-12A	Glass-A.06	INTACT	22-FEB-20		WALK-IN CUSTODY	Sam Bardsley	W17-S3-D CUSTODY	W17-S3-D CUSTODY	Sam Bardsley
L2007485-12A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007485-12A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Michael Lamb	ORGPREP	ORGPREP	Michael Lamb
L2007485-12A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-12A	Glass-A.06	INTACT	22-FEB-20	CUSTODY	W15-S5-B CUSTODY	Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2007485-12A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-12A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-12A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-12A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-12A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-12A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-12A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-13A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-13A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-13A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-13A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-13A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-13A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-13A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-14A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007485-14A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007485-14A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	W17-S3-D	CUSTODY Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007485-14A	Glass-A.06	INTACT	22-FEB-20		WALK-IN	CUSTODY Sam Bardsley	W17-S3-D	CUSTODY W17-S3-D	CUSTODY Sam Bardsley
L2007485-14A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Ilan Grossman	WALK-IN	CUSTODY WALK-IN	CUSTODY Ilan Grossman
L2007485-14A	Glass-A.06	INTACT	22-FEB-20		RETURN	WALK-IN CUSTODY Michael Lamb	ORGPREP	ORGPREP	Michael Lamb
L2007485-14A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Emmanuel Toro	RETURN	WALK-IN CUSTODY RETURN	WALK-IN CUSTODY Emmanuel Toro
L2007485-14A	Glass-A.06	INTACT	22-FEB-20	CUSTODY	W15-S5-B	CUSTODY Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2007485-14A	Glass-A.06	INTACT	21-FEB-20		RETURN	WALK-IN CUSTODY Brittney Kelley	W15-S5-B	CUSTODY W15-S5-B	CUSTODY Brittney Kelley
L2007485-14A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN	WALK-IN CUSTODY RETURN	WALK-IN CUSTODY Emmanuel Toro
L2007485-14A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D	CUSTODY Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-14A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN	WALK-IN CUSTODY Sam Bardsley	W18-S3-D	CUSTODY W18-S3-D	CUSTODY Sam Bardsley
L2007485-14A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN	WALK-IN CUSTODY RETURN	WALK-IN CUSTODY Romany Ibrahim
L2007485-14A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-14A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-15A	Glass-A.06	INTACT	21-FEB-20		RETURN	WALK-IN CUSTODY Brittney Kelley	W15-S5-B	CUSTODY W15-S5-B	CUSTODY Brittney Kelley
L2007485-15A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN	WALK-IN CUSTODY RETURN	WALK-IN CUSTODY Emmanuel Toro
L2007485-15A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D	CUSTODY Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-15A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN	WALK-IN CUSTODY Sam Bardsley	W18-S3-D	CUSTODY W18-S3-D	CUSTODY Sam Bardsley
L2007485-15A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN	WALK-IN CUSTODY RETURN	WALK-IN CUSTODY Romany Ibrahim
L2007485-15A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-15A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-16A	Glass-A.06	INTACT	21-FEB-20		RETURN	WALK-IN CUSTODY Brittney Kelley	W15-S5-B	CUSTODY W15-S5-B	CUSTODY Brittney Kelley
L2007485-16A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN	WALK-IN CUSTODY RETURN	WALK-IN CUSTODY Emmanuel Toro
L2007485-16A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D	CUSTODY Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-16A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN	WALK-IN CUSTODY Sam Bardsley	W18-S3-D	CUSTODY W18-S3-D	CUSTODY Sam Bardsley
L2007485-16A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN	WALK-IN CUSTODY RETURN	WALK-IN CUSTODY Romany Ibrahim

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007485-16A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-16A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-17A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007485-17A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007485-17A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	W17-S3-D CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007485-17A	Glass-A.06	INTACT	22-FEB-20		WALK-IN CUSTODY	Sam Bardsley	W17-S3-D CUSTODY	W17-S3-D CUSTODY	Sam Bardsley
L2007485-17A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007485-17A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Michael Lamb	ORGPREP	ORGPREP	Michael Lamb
L2007485-17A	Glass-A.06	INTACT	22-FEB-20		ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-17A	Glass-A.06	INTACT	22-FEB-20	CUSTODY	W15-S5-B CUSTODY	Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2007485-17A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-17A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-17A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-17A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-17A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-17A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-17A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-18A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-18A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-18A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-18A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-18A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-18A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-18A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-19A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007485-19A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-19A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-19A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-19A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-19A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-19A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-20A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-20A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-20A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-20A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-20A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-20A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-20A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-21A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-21A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-21A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-21A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-21A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-21A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-21A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-22A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-22A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-22A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-22A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-22A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007485-22A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-22A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-23A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-23A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-23A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-23A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-23A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-23A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-23A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-24A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-24A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-24A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-24A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-24A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-24A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-24A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-25A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-25A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2007485-25A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D CUSTODY	Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-25A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Sam Bardsley	W18-S3-D CUSTODY	W18-S3-D CUSTODY	Sam Bardsley
L2007485-25A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007485-25A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-25A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-26A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W15-S5-B CUSTODY	W15-S5-B CUSTODY	Brittney Kelley
L2007485-26A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007485-26A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D	CUSTODY Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-26A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W18-S3-D	CUSTODY W18-S3-D	CUSTODY Sam Bardsley
L2007485-26A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2007485-26A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-26A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-27A	Amber-A.120	INTACT	20-FEB-20		CUSTODY	Geoffry Grace	R60-08	CUSTODY R60-08	CUSTODY Geoffry Grace
L2007485-27A	Amber-A.120	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-27B	Amber-A.120	EMPTY	20-FEB-20		ORGPREP	Shaun Bailes	CUSTODY	CUSTODY	Shaun Bailes
L2007485-27B	Amber-A.120	INTACT	20-FEB-20		R60-08	CUSTODY Yaw Adu	ORGPREP	ORGPREP	Yaw Adu
L2007485-27B	Amber-A.120	INTACT	20-FEB-20		CUSTODY	Geoffry Grace	R60-08	CUSTODY R60-08	CUSTODY Geoffry Grace
L2007485-27B	Amber-A.120	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2007485-28A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W15-S5-B	CUSTODY W15-S5-B	CUSTODY Brittney Kelley
L2007485-28A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Emmanuel Toro
L2007485-28A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W18-S3-D	CUSTODY Sam Boateng	ORGPREP	ORGPREP	Sam Boateng
L2007485-28A	Glass-A.06	INTACT	20-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Sam Bardsley	W18-S3-D	CUSTODY W18-S3-D	CUSTODY Sam Bardsley
L2007485-28A	Glass-A.06	INTACT	20-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2007485-28A	Glass-A.06	INTACT	20-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007485-28A	Glass-A.06	INTACT	20-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal

Methodology Review

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007485
Report Date: 02/26/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler **Custody Seal**
 A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2007485-01A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-02A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-03A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-04A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-05A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-06A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-07A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-08A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-09A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-10A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-11A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-12A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-13A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-14A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-15A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-16A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-17A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-18A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14),HOLD-8082(14)
L2007485-19A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-20A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-21A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-22A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-23A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14),HOLD-8082(14)

*Values in parentheses indicate holding time in days

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2007485

Report Date: 02/26/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2007485-24A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-25A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)
L2007485-26A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-CONTINGENCY(14),HOLD-8082(14)
L2007485-27A	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NJ-8082-LVI(7)
L2007485-27B	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NJ-8082-LVI(7)
L2007485-28A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NJ-8082(14),TS(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007485
Report Date: 02/26/20

**NJ DEP Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^{\circ} \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007485
Report Date: 02/26/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007485
Report Date: 02/26/20

Case Narrative (continued)

Report Submission

February 26, 2020: This final report includes the results of all requested analyses.

February 26, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

L2007485-06 and -07: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

L2007485-06 and -07: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

WG1343014-4: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Please refer to the QC section of the report for specific details.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Report Date: 02/26/20

Title: Technical Director/Representative

Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007485
Report Date: 02/26/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007485
Report Date: 02/26/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Organics

**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-01	Date Collected : 02/19/20 09:05
Client ID : E-189-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:06
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200222a-03	Analyst : CW
Sample Amount : 15.7 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 80
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0398	0.00353	U
11104-28-2	Aroclor 1221	ND	0.0398	0.00398	U
11141-16-5	Aroclor 1232	ND	0.0398	0.00843	U
53469-21-9	Aroclor 1242	ND	0.0398	0.00536	U
12672-29-6	Aroclor 1248	ND	0.0398	0.00596	U
11097-69-1	Aroclor 1254	ND	0.0398	0.00435	U
37324-23-5	Aroclor 1262	ND	0.0398	0.00505	U
11100-14-4	Aroclor 1268	ND	0.0398	0.00412	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007485-01 Client ID : E-189-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200222a-03 Sample Amount : 15.7 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007485 Project Number : 277710568.0008.06 Date Collected : 02/19/20 09:05 Date Received : 02/19/20 Date Analyzed : 02/22/20 11:06 Date Extracted : 02/21/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 80 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.252	0.0398	0.00735	
1336-36-3	PCBs, Total	0.252	0.0398	0.00353	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007485-02 Client ID : E-189-1.5-2.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200224a-60 Sample Amount : 15.28 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007485 Project Number : 277710568.0008.06 Date Collected : 02/19/20 09:10 Date Received : 02/19/20 Date Analyzed : 02/24/20 23:31 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-Pesticide %Solids : 87 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0378	0.00336	U
11104-28-2	Aroclor 1221	ND	0.0378	0.00379	U
11141-16-5	Aroclor 1232	ND	0.0378	0.00801	U
53469-21-9	Aroclor 1242	ND	0.0378	0.00509	U
12672-29-6	Aroclor 1248	ND	0.0378	0.00567	U
11097-69-1	Aroclor 1254	ND	0.0378	0.00413	U
11096-82-5	Aroclor 1260	0.0986	0.0378	0.00698	
37324-23-5	Aroclor 1262	ND	0.0378	0.00480	U
11100-14-4	Aroclor 1268	ND	0.0378	0.00391	U
1336-36-3	PCBs, Total	0.0986	0.0378	0.00336	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-03	Date Collected : 02/19/20 09:44
Client ID : E-196-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:26
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200222a-06	Analyst : CW
Sample Amount : 15.19 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 78
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0421	0.00374	U
11104-28-2	Aroclor 1221	ND	0.0421	0.00422	U
11141-16-5	Aroclor 1232	ND	0.0421	0.00892	U
53469-21-9	Aroclor 1242	ND	0.0421	0.00567	U
12672-29-6	Aroclor 1248	ND	0.0421	0.00631	U
11097-69-1	Aroclor 1254	ND	0.0421	0.00460	U
11096-82-5	Aroclor 1260	0.100	0.0421	0.00778	
37324-23-5	Aroclor 1262	ND	0.0421	0.00534	U
11100-14-4	Aroclor 1268	ND	0.0421	0.00436	U
1336-36-3	PCBs, Total	0.100	0.0421	0.00374	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-04	Date Collected : 02/19/20 09:50
Client ID : E-196-2.0-2.5	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:33
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200222a-07	Analyst : CW
Sample Amount : 15.22 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 79
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0414	0.00367	U
11104-28-2	Aroclor 1221	ND	0.0414	0.00414	U
11141-16-5	Aroclor 1232	ND	0.0414	0.00877	U
53469-21-9	Aroclor 1242	ND	0.0414	0.00558	U
12672-29-6	Aroclor 1248	ND	0.0414	0.00621	U
11097-69-1	Aroclor 1254	ND	0.0414	0.00453	U
11096-82-5	Aroclor 1260	0.318	0.0414	0.00765	
37324-23-5	Aroclor 1262	ND	0.0414	0.00525	U
11100-14-4	Aroclor 1268	ND	0.0414	0.00429	U
1336-36-3	PCBs, Total	0.318	0.0414	0.00367	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2007485-05	Date Collected	: 02/19/20 10:11
Client ID	: E-196-3.0-3.5	Date Received	: 02/19/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/22/20 11:40
Sample Matrix	: SOIL	Date Extracted	: 02/21/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19200222a-08	Analyst	: CW
Sample Amount	: 15.83 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0376	0.00334	U
11104-28-2	Aroclor 1221	ND	0.0376	0.00377	U
11141-16-5	Aroclor 1232	ND	0.0376	0.00798	U
53469-21-9	Aroclor 1242	ND	0.0376	0.00507	U
12672-29-6	Aroclor 1248	ND	0.0376	0.00565	U
11097-69-1	Aroclor 1254	ND	0.0376	0.00412	U
11096-82-5	Aroclor 1260	0.185	0.0376	0.00696	
37324-23-5	Aroclor 1262	ND	0.0376	0.00478	U
11100-14-4	Aroclor 1268	ND	0.0376	0.00390	U
1336-36-3	PCBs, Total	0.185	0.0376	0.00334	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-06D	Date Collected : 02/19/20 10:39
Client ID : E-185-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 13:35
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 23200224a-20	Analyst : CW
Sample Amount : 15.87 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 78
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.808	0.0717	U
11104-28-2	Aroclor 1221	ND	0.808	0.0809	U
11141-16-5	Aroclor 1232	ND	0.808	0.171	U
53469-21-9	Aroclor 1242	ND	0.808	0.109	U
12672-29-6	Aroclor 1248	ND	0.808	0.121	U
11097-69-1	Aroclor 1254	ND	0.808	0.0884	U
11096-82-5	Aroclor 1260	3.22	0.808	0.149	
37324-23-5	Aroclor 1262	ND	0.808	0.102	U
11100-14-4	Aroclor 1268	ND	0.808	0.0837	U
1336-36-3	PCBs, Total	3.22	0.808	0.0717	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-07D	Date Collected : 02/19/20 10:42
Client ID : E-185-1.5-2.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 13:42
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 23200224a-21	Analyst : CW
Sample Amount : 15.92 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 78
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.807	0.0717	U
11104-28-2	Aroclor 1221	ND	0.807	0.0809	U
11141-16-5	Aroclor 1232	ND	0.807	0.171	U
53469-21-9	Aroclor 1242	ND	0.807	0.109	U
12672-29-6	Aroclor 1248	ND	0.807	0.121	U
11097-69-1	Aroclor 1254	ND	0.807	0.0883	U
11096-82-5	Aroclor 1260	7.40	0.807	0.149	
37324-23-5	Aroclor 1262	ND	0.807	0.102	U
11100-14-4	Aroclor 1268	ND	0.807	0.0836	U
1336-36-3	PCBs, Total	7.40	0.807	0.0717	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-08	Date Collected : 02/19/20 10:59
Client ID : E-183-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 12:01
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200222a-11	Analyst : CW
Sample Amount : 15.09 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0388	0.00345	U
11104-28-2	Aroclor 1221	ND	0.0388	0.00389	U
11141-16-5	Aroclor 1232	ND	0.0388	0.00824	U
53469-21-9	Aroclor 1242	ND	0.0388	0.00524	U
12672-29-6	Aroclor 1248	ND	0.0388	0.00583	U
11097-69-1	Aroclor 1254	ND	0.0388	0.00425	U
11096-82-5	Aroclor 1260	0.0776	0.0388	0.00718	
37324-23-5	Aroclor 1262	ND	0.0388	0.00493	U
11100-14-4	Aroclor 1268	ND	0.0388	0.00402	U
1336-36-3	PCBs, Total	0.0776	0.0388	0.00345	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-09	Date Collected : 02/19/20 11:10
Client ID : E-183-1.5-2.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 12:07
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200222a-12	Analyst : CW
Sample Amount : 15.42 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0370	0.00329	U
11104-28-2	Aroclor 1221	ND	0.0370	0.00371	U
11141-16-5	Aroclor 1232	ND	0.0370	0.00785	U
53469-21-9	Aroclor 1242	ND	0.0370	0.00499	U
12672-29-6	Aroclor 1248	ND	0.0370	0.00555	U
11097-69-1	Aroclor 1254	ND	0.0370	0.00405	U
11096-82-5	Aroclor 1260	0.410	0.0370	0.00684	
37324-23-5	Aroclor 1262	ND	0.0370	0.00470	U
11100-14-4	Aroclor 1268	ND	0.0370	0.00383	U
1336-36-3	PCBs, Total	0.410	0.0370	0.00329	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007485-10 Client ID : E-184-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200224a-61 Sample Amount : 15.31 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007485 Project Number : 277710568.0008.06 Date Collected : 02/19/20 11:20 Date Received : 02/19/20 Date Analyzed : 02/24/20 23:38 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-Pesticide %Solids : 92 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0357	0.00317	U
11104-28-2	Aroclor 1221	ND	0.0357	0.00358	U
11141-16-5	Aroclor 1232	ND	0.0357	0.00757	U
53469-21-9	Aroclor 1242	ND	0.0357	0.00481	U
12672-29-6	Aroclor 1248	ND	0.0357	0.00535	U
11097-69-1	Aroclor 1254	ND	0.0357	0.00390	U
37324-23-5	Aroclor 1262	ND	0.0357	0.00453	U
11100-14-4	Aroclor 1268	ND	0.0357	0.00370	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007485-10 Client ID : E-184-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200224a-61 Sample Amount : 15.31 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007485 Project Number : 277710568.0008.06 Date Collected : 02/19/20 11:20 Date Received : 02/19/20 Date Analyzed : 02/24/20 23:38 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 92 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.282	0.0357	0.00660	
1336-36-3	PCBs, Total	0.282	0.0357	0.00317	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-11	Date Collected : 02/19/20 11:27
Client ID : E-184-1.5-2.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 12:57
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200225a-21	Analyst : AD
Sample Amount : 15.26 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 90
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0364	0.00324	U
11104-28-2	Aroclor 1221	ND	0.0364	0.00365	U
11141-16-5	Aroclor 1232	ND	0.0364	0.00773	U
53469-21-9	Aroclor 1242	ND	0.0364	0.00491	U
12672-29-6	Aroclor 1248	ND	0.0364	0.00547	U
11097-69-1	Aroclor 1254	ND	0.0364	0.00399	U
11096-82-5	Aroclor 1260	0.0348	0.0364	0.00674	J
37324-23-5	Aroclor 1262	ND	0.0364	0.00463	U
11100-14-4	Aroclor 1268	ND	0.0364	0.00378	U
1336-36-3	PCBs, Total	0.0348	0.0364	0.00324	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-12	Date Collected : 02/19/20 12:18
Client ID : E-182-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 13:04
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200225a-22	Analyst : AD
Sample Amount : 15.18 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 90
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0366	0.00325	U
11104-28-2	Aroclor 1221	ND	0.0366	0.00367	U
11141-16-5	Aroclor 1232	ND	0.0366	0.00777	U
53469-21-9	Aroclor 1242	ND	0.0366	0.00494	U
12672-29-6	Aroclor 1248	ND	0.0366	0.00550	U
11097-69-1	Aroclor 1254	ND	0.0366	0.00401	U
11096-82-5	Aroclor 1260	0.0778	0.0366	0.00677	
37324-23-5	Aroclor 1262	ND	0.0366	0.00465	U
11100-14-4	Aroclor 1268	ND	0.0366	0.00380	U
1336-36-3	PCBs, Total	0.0778	0.0366	0.00325	



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-13	Date Collected : 02/19/20 12:26
Client ID : E-182-1.5-2.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 12:14
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200222a-13	Analyst : CW
Sample Amount : 15.04 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 82
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0404	0.00359	U
11104-28-2	Aroclor 1221	ND	0.0404	0.00405	U
11141-16-5	Aroclor 1232	ND	0.0404	0.00856	U
53469-21-9	Aroclor 1242	ND	0.0404	0.00544	U
12672-29-6	Aroclor 1248	ND	0.0404	0.00606	U
11097-69-1	Aroclor 1254	ND	0.0404	0.00442	U
11096-82-5	Aroclor 1260	ND	0.0404	0.00746	U
37324-23-5	Aroclor 1262	ND	0.0404	0.00513	U
11100-14-4	Aroclor 1268	ND	0.0404	0.00418	U
1336-36-3	PCBs, Total	ND	0.0404	0.00359	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007485-14 Client ID : E-181-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200225a-24 Sample Amount : 15.4 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007485 Project Number : 277710568.0008.06 Date Collected : 02/19/20 12:47 Date Received : 02/19/20 Date Analyzed : 02/25/20 13:18 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AD Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 83 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0394	0.00349	U
11104-28-2	Aroclor 1221	ND	0.0394	0.00394	U
11141-16-5	Aroclor 1232	ND	0.0394	0.00834	U
53469-21-9	Aroclor 1242	ND	0.0394	0.00530	U
12672-29-6	Aroclor 1248	ND	0.0394	0.00590	U
11097-69-1	Aroclor 1254	ND	0.0394	0.00430	U
37324-23-5	Aroclor 1262	ND	0.0394	0.00500	U
11100-14-4	Aroclor 1268	ND	0.0394	0.00408	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007485-14 Client ID : E-181-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200225a-24 Sample Amount : 15.4 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007485 Project Number : 277710568.0008.06 Date Collected : 02/19/20 12:47 Date Received : 02/19/20 Date Analyzed : 02/25/20 13:18 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AD Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 83 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0128	0.0394	0.00727	J
1336-36-3	PCBs, Total	0.0128	0.0394	0.00349	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-15	Date Collected : 02/19/20 13:05
Client ID : E-181-1.5-2.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 12:21
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200222a-14	Analyst : CW
Sample Amount : 15.15 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0389	0.00346	U
11104-28-2	Aroclor 1221	ND	0.0389	0.00390	U
11141-16-5	Aroclor 1232	ND	0.0389	0.00825	U
53469-21-9	Aroclor 1242	ND	0.0389	0.00525	U
12672-29-6	Aroclor 1248	ND	0.0389	0.00584	U
11096-82-5	Aroclor 1260	0.0159	0.0389	0.00719	J
37324-23-5	Aroclor 1262	ND	0.0389	0.00494	U
11100-14-4	Aroclor 1268	ND	0.0389	0.00403	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007485-15 Client ID : E-181-1.5-2.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200222a-14 Sample Amount : 15.15 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007485 Project Number : 277710568.0008.06 Date Collected : 02/19/20 13:05 Date Received : 02/19/20 Date Analyzed : 02/22/20 12:21 Date Extracted : 02/21/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 85 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.0139	0.0389	0.00426	J
1336-36-3	PCBs, Total	0.0298	0.0389	0.00346	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2007485-16D	Date Collected	: 02/19/20 13:25
Client ID	: E-175-0.5-1.0	Date Received	: 02/19/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/24/20 13:49
Sample Matrix	: SOIL	Date Extracted	: 02/21/20
Analytical Method	: 1,8082A	Dilution Factor	: 5
Lab File ID	: 23200224a-22	Analyst	: CW
Sample Amount	: 15.77 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: 82
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.193	0.0171	U
11104-28-2	Aroclor 1221	ND	0.193	0.0193	U
11141-16-5	Aroclor 1232	ND	0.193	0.0409	U
53469-21-9	Aroclor 1242	ND	0.193	0.0260	U
12672-29-6	Aroclor 1248	ND	0.193	0.0289	U
11097-69-1	Aroclor 1254	ND	0.193	0.0211	U
11096-82-5	Aroclor 1260	1.04	0.193	0.0356	
37324-23-5	Aroclor 1262	ND	0.193	0.0245	U
11100-14-4	Aroclor 1268	ND	0.193	0.0200	U
1336-36-3	PCBs, Total	1.04	0.193	0.0171	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-17	Date Collected : 02/19/20 13:37
Client ID : E-175-2.0-2.5	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 13:25
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200225a-25	Analyst : AD
Sample Amount : 15.3 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0372	0.00330	U
11104-28-2	Aroclor 1221	ND	0.0372	0.00373	U
11141-16-5	Aroclor 1232	ND	0.0372	0.00789	U
53469-21-9	Aroclor 1242	ND	0.0372	0.00502	U
12672-29-6	Aroclor 1248	ND	0.0372	0.00558	U
11097-69-1	Aroclor 1254	ND	0.0372	0.00407	U
11096-82-5	Aroclor 1260	0.00789	0.0372	0.00688	J
37324-23-5	Aroclor 1262	ND	0.0372	0.00473	U
11100-14-4	Aroclor 1268	ND	0.0372	0.00386	U
1336-36-3	PCBs, Total	0.00789	0.0372	0.00330	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007485-19 Client ID : E-180-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200224a-17 Sample Amount : 15.73 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007485 Project Number : 277710568.0008.06 Date Collected : 02/19/20 14:05 Date Received : 02/19/20 Date Analyzed : 02/24/20 13:15 Date Extracted : 02/21/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-Pesticide %Solids : 84 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0380	0.00338	U
11104-28-2	Aroclor 1221	ND	0.0380	0.00381	U
11141-16-5	Aroclor 1232	ND	0.0380	0.00806	U
53469-21-9	Aroclor 1242	ND	0.0380	0.00512	U
12672-29-6	Aroclor 1248	ND	0.0380	0.00570	U
11097-69-1	Aroclor 1254	ND	0.0380	0.00416	U
37324-23-5	Aroclor 1262	ND	0.0380	0.00483	U
11100-14-4	Aroclor 1268	ND	0.0380	0.00394	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007485-19 Client ID : E-180-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200224a-17 Sample Amount : 15.73 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007485 Project Number : 277710568.0008.06 Date Collected : 02/19/20 14:05 Date Received : 02/19/20 Date Analyzed : 02/24/20 13:15 Date Extracted : 02/21/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-PesticideII %Solids : 84 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	ND	0.0380	0.00703	U
1336-36-3	PCBs, Total	ND	0.0380	0.00338	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007485-20 Client ID : E-180-1.5-2.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200224a-18 Sample Amount : 15.95 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007485 Project Number : 277710568.0008.06 Date Collected : 02/19/20 14:15 Date Received : 02/19/20 Date Analyzed : 02/24/20 13:22 Date Extracted : 02/21/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-Pesticide %Solids : 91 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0346	0.00307	U
11104-28-2	Aroclor 1221	ND	0.0346	0.00347	U
11141-16-5	Aroclor 1232	ND	0.0346	0.00734	U
53469-21-9	Aroclor 1242	ND	0.0346	0.00466	U
12672-29-6	Aroclor 1248	ND	0.0346	0.00519	U
11097-69-1	Aroclor 1254	ND	0.0346	0.00378	U
37324-23-5	Aroclor 1262	ND	0.0346	0.00439	U
11100-14-4	Aroclor 1268	ND	0.0346	0.00358	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2007485-20	Date Collected	: 02/19/20 14:15
Client ID	: E-180-1.5-2.0	Date Received	: 02/19/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/24/20 13:22
Sample Matrix	: SOIL	Date Extracted	: 02/21/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 23200224a-18	Analyst	: CW
Sample Amount	: 15.95 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-PesticideII
Extract Volume	: 5000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	ND	0.0346	0.00639	U
1336-36-3	PCBs, Total	ND	0.0346	0.00307	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

<p>Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007485-21 Client ID : E-173-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200222a-18 Sample Amount : 15.03 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y</p>	<p>Lab Number : L2007485 Project Number : 277710568.0008.06 Date Collected : 02/19/20 14:45 Date Received : 02/19/20 Date Analyzed : 02/22/20 12:49 Date Extracted : 02/21/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 84 Injection Volume : 1 uL</p>
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0395	0.00350	U
11104-28-2	Aroclor 1221	ND	0.0395	0.00395	U
11141-16-5	Aroclor 1232	ND	0.0395	0.00837	U
53469-21-9	Aroclor 1242	ND	0.0395	0.00532	U
12672-29-6	Aroclor 1248	ND	0.0395	0.00592	U
11097-69-1	Aroclor 1254	ND	0.0395	0.00432	U
11096-82-5	Aroclor 1260	0.261	0.0395	0.00729	
37324-23-5	Aroclor 1262	ND	0.0395	0.00501	U
11100-14-4	Aroclor 1268	ND	0.0395	0.00409	U
1336-36-3	PCBs, Total	0.261	0.0395	0.00350	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-22	Date Collected : 02/19/20 14:57
Client ID : E-173-2.0-2.5	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 12:56
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200222a-19	Analyst : CW
Sample Amount : 15.01 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0373	0.00331	U
11104-28-2	Aroclor 1221	ND	0.0373	0.00373	U
11141-16-5	Aroclor 1232	ND	0.0373	0.00790	U
53469-21-9	Aroclor 1242	ND	0.0373	0.00502	U
12672-29-6	Aroclor 1248	ND	0.0373	0.00559	U
11097-69-1	Aroclor 1254	ND	0.0373	0.00408	U
11096-82-5	Aroclor 1260	0.0612	0.0373	0.00688	
37324-23-5	Aroclor 1262	ND	0.0373	0.00473	U
11100-14-4	Aroclor 1268	ND	0.0373	0.00386	U
1336-36-3	PCBs, Total	0.0612	0.0373	0.00331	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-24	Date Collected : 02/19/20 15:20
Client ID : E-169-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 15:04
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200222a-36	Analyst : CW
Sample Amount : 15.54 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 80
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0404	0.00358	U
11104-28-2	Aroclor 1221	ND	0.0404	0.00404	U
11141-16-5	Aroclor 1232	ND	0.0404	0.00856	U
53469-21-9	Aroclor 1242	ND	0.0404	0.00544	U
12672-29-6	Aroclor 1248	ND	0.0404	0.00606	U
11097-69-1	Aroclor 1254	ND	0.0404	0.00442	U
11096-82-5	Aroclor 1260	0.0993	0.0404	0.00746	
37324-23-5	Aroclor 1262	ND	0.0404	0.00513	U
11100-14-4	Aroclor 1268	ND	0.0404	0.00418	U
1336-36-3	PCBs, Total	0.0993	0.0404	0.00358	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-25	Date Collected : 02/19/20 15:39
Client ID : E-169-2.0-2.5	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 15:11
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200222a-37	Analyst : CW
Sample Amount : 15.75 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0369	0.00327	U
11104-28-2	Aroclor 1221	ND	0.0369	0.00369	U
11141-16-5	Aroclor 1232	ND	0.0369	0.00782	U
53469-21-9	Aroclor 1242	ND	0.0369	0.00497	U
12672-29-6	Aroclor 1248	ND	0.0369	0.00553	U
11097-69-1	Aroclor 1254	ND	0.0369	0.00403	U
11096-82-5	Aroclor 1260	ND	0.0369	0.00681	U
37324-23-5	Aroclor 1262	ND	0.0369	0.00468	U
11100-14-4	Aroclor 1268	ND	0.0369	0.00382	U
1336-36-3	PCBs, Total	ND	0.0369	0.00327	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2007485-27	Date Collected	: 02/19/20 15:07
Client ID	: EB-9-02192020	Date Received	: 02/19/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/21/20 17:17
Sample Matrix	: WATER	Date Extracted	: 02/20/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: P2200221a-18	Analyst	: CW
Sample Amount	: 140 ml	Instrument ID	: PEST2
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-28D	Date Collected : 02/19/20 00:00
Client ID : X-9-02192020	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 13:28
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 23200224a-19	Analyst : CW
Sample Amount : 15.68 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.196	0.0174	U
11104-28-2	Aroclor 1221	ND	0.196	0.0196	U
11141-16-5	Aroclor 1232	ND	0.196	0.0416	U
53469-21-9	Aroclor 1242	ND	0.196	0.0264	U
12672-29-6	Aroclor 1248	ND	0.196	0.0294	U
11097-69-1	Aroclor 1254	ND	0.196	0.0214	U
11096-82-5	Aroclor 1260	0.905	0.196	0.0362	
37324-23-5	Aroclor 1262	ND	0.196	0.0249	U
11100-14-4	Aroclor 1268	ND	0.196	0.0203	U
1336-36-3	PCBs, Total	0.905	0.196	0.0174	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: WG1342485-1	Date Collected	: NA
Client ID	: WG1342485-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/20/20 11:00
Sample Matrix	: WATER	Date Extracted	: 02/20/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: P2200220a-06	Analyst	: AWS
Sample Amount	: 140 ml	Instrument ID	: PEST2
Extraction Method	: EPA 3510C	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1343014-1	Date Collected : NA
Client ID : WG1343014-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/22/20 13:02
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200222a-20	Analyst : CW
Sample Amount : 15.24 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0328	0.00291	U
11104-28-2	Aroclor 1221	ND	0.0328	0.00329	U
11141-16-5	Aroclor 1232	ND	0.0328	0.00696	U
53469-21-9	Aroclor 1242	ND	0.0328	0.00442	U
12672-29-6	Aroclor 1248	ND	0.0328	0.00492	U
11097-69-1	Aroclor 1254	ND	0.0328	0.00359	U
11096-82-5	Aroclor 1260	ND	0.0328	0.00606	U
37324-23-5	Aroclor 1262	ND	0.0328	0.00417	U
11100-14-4	Aroclor 1268	ND	0.0328	0.00340	U
1336-36-3	PCBs, Total	ND	0.0328	0.00291	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1343014-5	Date Collected : 02/19/20 09:05
Client ID : E-189-0.5-1.0DUP	Date Received : 02/19/20
Sample Location :	Date Analyzed : 02/22/20 11:19
Sample Matrix : SOIL	Date Extracted : 02/21/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200222a-05	Analyst : CW
Sample Amount : 15.55 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 80
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0401	0.004	U
11104-28-2	Aroclor 1221	ND	0.0401	0.004	U
11141-16-5	Aroclor 1232	ND	0.0401	0.009	U
53469-21-9	Aroclor 1242	ND	0.0401	0.005	U
12672-29-6	Aroclor 1248	ND	0.0401	0.006	U
11097-69-1	Aroclor 1254	ND	0.0401	0.004	U
37324-23-5	Aroclor 1262	ND	0.0401	0.005	U
11100-14-4	Aroclor 1268	ND	0.0401	0.004	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : WG1343014-5 Client ID : E-189-0.5-1.0DUP Sample Location : Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200222a-05 Sample Amount : 15.55 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007485 Project Number : 277710568.0008.06 Date Collected : 02/19/20 09:05 Date Received : 02/19/20 Date Analyzed : 02/22/20 11:19 Date Extracted : 02/21/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 80 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.208	0.0401	0.007	
1336-36-3	PCBs, Total	0.208	0.0401	0.004	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: WG1343647-1	Date Collected	: NA
Client ID	: WG1343647-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/24/20 23:45
Sample Matrix	: SOIL	Date Extracted	: 02/24/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 23200224a-62	Analyst	: AWS
Sample Amount	: 15.32 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 5000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0326	0.00290	U
11104-28-2	Aroclor 1221	ND	0.0326	0.00327	U
11141-16-5	Aroclor 1232	ND	0.0326	0.00692	U
53469-21-9	Aroclor 1242	ND	0.0326	0.00440	U
12672-29-6	Aroclor 1248	ND	0.0326	0.00490	U
11097-69-1	Aroclor 1254	ND	0.0326	0.00357	U
11096-82-5	Aroclor 1260	ND	0.0326	0.00603	U
37324-23-5	Aroclor 1262	ND	0.0326	0.00414	U
11100-14-4	Aroclor 1268	ND	0.0326	0.00338	U
1336-36-3	PCBs, Total	ND	0.0326	0.00290	U



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1342485-1	Lab File ID : P2200220a-06
Matrix : WATER	Extraction Date : 02/20/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/20/20 11:00	Analysis Date (2) : 02/20/20 11:00
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1342485-2LCS	WG1342485-2	02/20/20 11:14	02/20/20 11:14
WG1342485-3LCSD	WG1342485-3	02/20/20 11:27	02/20/20 11:27
EB-9-02192020	L2007485-27	02/21/20 17:17	02/21/20 17:17



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1343014-1	Lab File ID : 19200222a-20
Matrix : SOIL	Extraction Date : 02/21/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/22/20 13:02	Analysis Date (2) : 02/22/20 13:02
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
E-189-0.5-1.0	L2007485-01	02/22/20 11:06	02/22/20 11:06
E-189-0.5-1.0MS	WG1343014-4	02/22/20 11:12	02/22/20 11:12
E-189-0.5-1.0DUP	WG1343014-5	02/22/20 11:19	02/22/20 11:19
E-196-0.5-1.0	L2007485-03	02/22/20 11:26	02/22/20 11:26
E-196-2.0-2.5	L2007485-04	02/22/20 11:33	02/22/20 11:33
E-196-3.0-3.5	L2007485-05	02/22/20 11:40	02/22/20 11:40
E-183-0.5-1.0	L2007485-08	02/22/20 12:01	02/22/20 12:01
E-183-1.5-2.0	L2007485-09	02/22/20 12:07	02/22/20 12:07
E-182-1.5-2.0	L2007485-13	02/22/20 12:14	02/22/20 12:14
E-181-1.5-2.0	L2007485-15	02/22/20 12:21	02/22/20 12:21
E-173-0.5-1.0	L2007485-21	02/22/20 12:49	02/22/20 12:49
E-173-2.0-2.5	L2007485-22	02/22/20 12:56	02/22/20 12:56
WG1343014-2LCS	WG1343014-2	02/22/20 13:09	02/22/20 13:09
WG1343014-3LCSD	WG1343014-3	02/22/20 13:16	02/22/20 13:16
E-169-0.5-1.0	L2007485-24	02/22/20 15:04	02/22/20 15:04
E-169-2.0-2.5	L2007485-25	02/22/20 15:11	02/22/20 15:11
E-180-0.5-1.0	L2007485-19	02/24/20 13:15	02/24/20 13:15
E-180-1.5-2.0	L2007485-20	02/24/20 13:22	02/24/20 13:22
X-9-02192020	L2007485-28D	02/24/20 13:28	02/24/20 13:28
E-185-0.5-1.0	L2007485-06D	02/24/20 13:35	02/24/20 13:35
E-185-1.5-2.0	L2007485-07D	02/24/20 13:42	02/24/20 13:42
E-175-0.5-1.0	L2007485-16D	02/24/20 13:49	02/24/20 13:49



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1343647-1	Lab File ID : 23200224a-62
Matrix : SOIL	Extraction Date : 02/24/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/24/20 23:45	Analysis Date (2) : 02/24/20 23:45
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
E-189-1.5-2.0	L2007485-02	02/24/20 23:31	02/24/20 23:31
E-184-0.5-1.0	L2007485-10	02/24/20 23:38	02/24/20 23:38
WG1343647-2LCS	WG1343647-2	02/24/20 23:51	02/24/20 23:51
WG1343647-3LCSD	WG1343647-3	02/24/20 23:58	02/24/20 23:58
E-184-1.5-2.0	L2007485-11	02/25/20 12:57	02/25/20 12:57
E-182-0.5-1.0	L2007485-12	02/25/20 13:04	02/25/20 13:04
E-181-0.5-1.0	L2007485-14	02/25/20 13:18	02/25/20 13:18
E-175-2.0-2.5	L2007485-17	02/25/20 13:25	02/25/20 13:25



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST2	Ical Ref	: ICAL16010
Calibration dates	: 08/06/19 03:29 08/06/19 07:39		

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVIIi-17.d 2 =P2190806LVIIi-03.d 3 =P2190806LVIIi-04.d 4 =P2190806LVIIi-08.d
 5 =P2190806LVIIi-06.d 6 =P2190806LVIIi-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007485
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Ical Ref** : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.580	1.358	1.329	1.239	1.126	1.195	1.305	12.25
3) s Decachlorobiphenyl	1.366	1.092	1.055	0.972	0.874	0.920	1.047	16.84
4) 11 1016-1	0.030	0.027	0.026	0.023	0.020	0.021	0.025	15.05
5) 11 1016-2	0.063	0.058	0.056	0.049	0.043	0.045	0.052	14.74
6) 11 1016-3	0.132	0.115	0.110	0.100	0.090	0.094	0.107	14.46
7) 11 1016-4	0.058	0.050	0.047	0.042	0.037	0.038	0.045	17.00
8) 11 1016-5	0.057	0.052	0.050	0.045	0.039	0.040	0.047	14.50
9) 12 1260-1	0.082	0.071	0.068	0.061	0.055	0.057	0.066	15.59
10) 12 1260-2	0.123	0.106	0.102	0.092	0.084	0.087	0.099	14.62
11) 12 1260-3	0.078	0.071	0.066	0.060	0.054	0.058	0.064	14.14
12) 12 1260-4	0.160	0.144	0.139	0.128	0.118	0.124	0.136	11.47
13) 12 1260-5	0.093	0.111	0.107	0.097	0.089	0.091	0.098	9.07
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.020	0.017	0.015	0.015	0.013	0.012	0.015	17.65
16) 13 1221-3	0.011	0.011	0.010	0.010	0.008	0.008	0.010	13.69
17) 13 1221-4	0.042	0.038	0.034	0.033	0.029	0.027	0.034	16.48
18) 14 1254-1	0.062	0.055	0.049	0.047	0.042	0.040	0.049	16.73
19) 14 1254-2	0.106	0.096	0.086	0.083	0.073	0.071	0.086	15.76
20) 14 1254-3	0.110	0.090	0.082	0.080	0.072	0.070	0.084	17.30
21) 14 1254-4	0.083	0.072	0.065	0.063	0.057	0.055	0.066	15.49
22) 14 1254-5	0.118	0.101	0.092	0.089	0.079	0.077	0.093	16.35
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.025	0.022	0.021	0.018	0.017	0.015	0.020	18.24
25) 16 1242-2	0.055	0.048	0.044	0.039	0.036	0.033	0.042	18.86
26) 16 1242-3	0.111	0.093	0.087	0.077	0.075	0.070	0.086	17.57
27) 16 1242-4	0.050	0.043	0.041	0.037	0.035	0.031	0.039	16.54
28) 16 1242-5	0.037	0.031	0.030	0.026	0.025	0.023	0.029	17.46
29) 19 1268-1	0.229	0.190	0.181	0.166	0.163	0.151	0.180	15.35
30) 19 1268-2	0.231	0.194	0.186	0.168	0.166	0.153	0.183	15.09
31) 19 1268-3	0.160	0.133	0.126	0.115	0.113	0.105	0.125	15.67
32) 19 1268-4	0.089	0.068	0.065	0.059	0.057	0.053	0.065	19.71
33) 19 1268-5	0.421	0.356	0.348	0.321	0.319	0.290	0.343	13.13
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.043	0.039	0.036	0.033	0.030	0.029	0.035	16.12
36) 17 1248-2	0.049	0.048	0.044	0.039	0.036	0.034	0.042	14.96



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.078	0.073	0.065	0.060	0.058	0.070	16.34
38) 17 1248-4	0.071	0.067	0.061	0.057	0.052	0.050	0.060	13.60
39) 17 1248-5	0.062	0.061	0.055	0.049	0.046	0.044	0.053	14.64
40) i 3262_1br2nb	----- ISTD -----							
41) 15 1232-1	0.030	0.029	0.027	0.024	0.022	0.021	0.025	15.00
42) 15 1232-2	0.028	0.028	0.026	0.023	0.021	0.020	0.024	13.93
43) 15 1232-3	0.059	0.055	0.052	0.046	0.044	0.043	0.050	12.96
44) 15 1232-4	0.024	0.024	0.022	0.020	0.019	0.018	0.021	11.43
45) 15 1232-5	0.016	0.018	0.016	0.014	0.014	0.013	0.015	12.09
46) 18 1262-1	0.081	0.072	0.069	0.061	0.059	0.056	0.066	14.22
47) 18 1262-2	0.107	0.090	0.084	0.074	0.072	0.068	0.083	17.55
48) 18 1262-3	0.087	0.080	0.077	0.069	0.068	0.064	0.074	11.54
49) 18 1262-4	0.169	0.150	0.144	0.133	0.131	0.125	0.142	11.28
50) 18 1262-5	0.060	0.057	0.054	0.049	0.047	0.044	0.052	11.69



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.481	1.319	1.295	1.217	1.125	1.224	1.277	9.48
3) s Decachlorobip	1.275	1.122	1.094	1.019	0.936	1.017	1.077	10.84
4) 11 1016-1	0.028	0.025	0.025	0.022	0.020	0.021	0.023	13.02
5) 11 1016-2	0.056	0.057	0.056	0.048	0.043	0.045	0.051	11.93
6) 11 1016-3	0.116	0.106	0.108	0.098	0.089	0.096	0.102	9.45
7) 11 1016-4	0.046	0.044	0.045	0.039	0.034	0.036	0.041	11.95
8) 11 1016-5	0.036	0.036	0.035	0.032	0.028	0.030	0.033	10.17
9) 12 1260-1	0.075	0.071	0.070	0.065	0.059	0.063	0.067	9.23
10) 12 1260-2	0.090	0.082	0.082	0.076	0.069	0.074	0.079	9.36
11) 12 1260-3	0.075	0.074	0.072	0.066	0.061	0.065	0.069	8.28
12) 12 1260-4	0.167	0.150	0.147	0.138	0.128	0.139	0.145	9.27
13) 12 1260-5	0.113	0.106	0.104	0.097	0.088	0.095	0.101	8.80
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.016	0.014	0.014	0.012	0.011	0.014	11.49
16) 13 1221-3	0.009	0.010	0.009	0.009	0.008	0.007	0.009	11.04
17) 13 1221-4	0.034	0.035	0.032	0.033	0.029	0.027	0.031	10.09
18) 14 1254-1	0.064	0.056	0.053	0.052	0.047	0.045	0.053	12.85
19) 14 1254-2	0.071	0.066	0.062	0.060	0.054	0.051	0.061	12.28
20) 14 1254-3	0.103	0.088	0.081	0.082	0.074	0.072	0.083	13.26
21) 14 1254-4	0.074	0.065	0.060	0.060	0.054	0.052	0.061	12.82
22) 14 1254-5	0.116	0.099	0.091	0.092	0.082	0.079	0.093	14.34
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.021	0.019	0.017	0.016	0.015	0.018	12.72
25) 16 1242-2	0.048	0.044	0.042	0.039	0.035	0.033	0.040	13.60
26) 16 1242-3	0.098	0.087	0.083	0.076	0.072	0.069	0.081	13.09
27) 16 1242-4	0.031	0.029	0.028	0.026	0.024	0.023	0.027	11.68
28) 16 1242-5	0.032	0.031	0.029	0.026	0.024	0.023	0.028	13.65
29) 19 1268-1	0.223	0.199	0.188	0.180	0.173	0.166	0.188	10.92
30) 19 1268-2	0.221	0.216	0.191	0.181	0.175	0.167	0.192	11.50
31) 19 1268-3	0.155	0.135	0.129	0.123	0.119	0.114	0.129	11.34
32) 19 1268-4	0.076	0.071	0.067	0.063	0.059	0.057	0.065	10.84
33) 19 1268-5	0.427	0.373	0.365	0.355	0.344	0.324	0.365	9.61
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.034	0.032	0.029	0.029	0.033	12.92
36) 17 1248-2	0.047	0.044	0.041	0.038	0.036	0.034	0.040	12.71



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.056	0.052	0.049	0.045	0.044	0.051	10.97
38) 17 1248-4	0.061	0.063	0.058	0.054	0.051	0.050	0.056	9.27
39) 17 1248-5	0.069	0.070	0.064	0.060	0.057	0.056	0.063	9.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.027	0.025	0.023	0.021	0.021	0.024	13.92
42) 15 1232-2	0.030	0.026	0.026	0.023	0.022	0.021	0.024	13.66
43) 15 1232-3	0.052	0.051	0.048	0.044	0.042	0.041	0.046	10.00
44) 15 1232-4	0.015	0.015	0.015	0.014	0.014	0.013	0.014	7.89
45) 15 1232-5	0.016	0.015	0.015	0.014	0.014	0.013	0.014	8.16
46) 18 1262-1	0.060	0.060	0.058	0.053	0.053	0.050	0.055	7.71
47) 18 1262-2	0.090	0.087	0.082	0.075	0.074	0.071	0.080	9.98
48) 18 1262-3	0.082	0.080	0.080	0.072	0.072	0.068	0.076	7.32
49) 18 1262-4	0.160	0.150	0.149	0.138	0.138	0.132	0.144	6.99
50) 18 1262-5	0.058	0.059	0.054	0.050	0.048	0.047	0.053	10.11



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.840	1.624	1.528	1.377	1.453	1.347	1.528	11.98
3) s Decachlorobiphenyl	1.781	1.325	1.193	1.042	1.073	0.983	*L	0.9974
4) 11 1016-1	0.036	0.031	0.030	0.026	0.026	0.023	0.029	16.24
5) 11 1016-2	0.082	0.069	0.065	0.055	0.055	0.049	0.062	19.00
6) 11 1016-3	0.149	0.129	0.121	0.107	0.110	0.100	0.119	15.01
7) 11 1016-4	0.061	0.057	0.054	0.046	0.048	0.043	0.052	13.27
8) 11 1016-5	0.068	0.058	0.056	0.049	0.050	0.044	0.054	15.63
9) 12 1260-1	0.102	0.082	0.076	0.066	0.067	0.061	0.076	19.85
10) 12 1260-2	0.154	0.126	0.116	0.101	0.103	0.093	0.115	19.31
11) 12 1260-3	0.090	0.078	0.073	0.064	0.065	0.059	0.072	15.91
12) 12 1260-4	0.200	0.162	0.150	0.135	0.141	0.131	0.153	16.62
13) 12 1260-5	0.104	0.088	0.082	0.072	0.074	0.068	0.082	16.17
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.023	0.018	0.017	0.015		0.019	15.21
16) 13 1221-2	0.010	0.014	0.011	0.010	0.010		0.011	17.65
17) 13 1221-3	0.047	0.053	0.043	0.037	0.034		0.043	18.02
18) 14 1254-1	0.074	0.078	0.060	0.051	0.048	0.041	*Q	0.9949
19) 14 1254-2	0.137	0.134	0.103	0.088	0.083	0.071	*Q	0.9953
20) 14 1254-3	0.121	0.125	0.097	0.085	0.081	0.070	*Q	0.9960
21) 14 1254-4	0.096	0.101	0.079	0.069	0.065	0.056	*Q	0.9960
22) 14 1254-5	0.140	0.139	0.109	0.095	0.090	0.078	*Q	0.9963
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.030	0.025	0.025	0.023	0.020	0.018	0.024	17.63
25) 16 1242-2	0.133	0.107	0.105	0.094	0.084	0.079	0.100	19.34
26) 16 1242-3	0.042	0.046	0.046	0.043	0.037	0.035	0.042	11.40
27) 16 1242-4	0.063	0.050	0.050	0.046	0.040	0.037	0.048	19.65
28) 16 1242-5	0.042	0.035	0.035	0.032	0.028	0.026	0.033	17.07
29) 19 1268-1	0.321	0.224	0.215	0.197	0.180	0.172	*L	0.9970
30) 19 1268-2	0.313	0.225	0.216	0.198	0.180	0.172	*L	0.9969
31) 19 1268-3	0.215	0.156	0.149	0.136	0.123	0.117	*L	0.9964
32) 19 1268-4	0.108	0.082	0.079	0.071	0.064	0.060	*L	0.9950
33) 19 1268-5	0.618	0.415	0.402	0.377	0.347	0.333	*L	0.9980
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.041	0.039	0.036	0.029	0.033	0.027	0.034	16.16
36) 17 1248-2	0.057	0.056	0.049	0.041	0.044	0.038	0.048	16.77



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.082	0.072	0.062	0.066	0.058	0.071	16.56
38) 17 1248-4	0.068	0.069	0.060	0.051	0.055	0.049	0.059	14.86
39) 17 1248-5	0.061	0.066	0.057	0.047	0.051	0.045	0.055	14.70
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.040	0.036	0.036	0.030	0.027	0.025	0.032	18.07
42) 15 1232-2	0.041	0.035	0.035	0.030	0.027	0.024	0.032	19.55
43) 15 1232-3	0.077	0.067	0.066	0.056	0.052	0.048	0.061	17.45
44) 15 1232-4	0.034	0.029	0.029	0.026	0.023	0.021	0.027	16.56
45) 15 1232-5	0.024	0.020	0.020	0.018	0.016	0.015	0.019	17.06
46) 18 1262-1	0.112	0.096	0.090	0.076	0.070		*L	0.9920
47) 18 1262-2	0.173	0.126	0.113	0.093	0.087		*L	0.9923
48) 18 1262-3	0.127	0.104	0.098	0.082	0.077		*L	0.9932
49) 18 1262-4	0.241	0.191	0.180	0.156	0.150		*L	0.9966
50) 18 1262-5	0.086	0.073	0.069	0.059	0.055		*L	0.9931



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST23	Ical Ref	: ICAL16474
Calibration dates	: 01/29/20 18:49 01/30/20 22:53		

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.593	1.421	1.332	1.261	1.378	1.307	1.382	8.51
3) s Decachlorobip	1.681	1.312	1.188	1.080	1.145	1.076	1.247	18.42
4) 11 1016-1	0.031	0.028	0.027	0.024	0.025	0.022	0.026	11.60
5) 11 1016-2	0.072	0.064	0.059	0.053	0.055	0.050	0.059	13.55
6) 11 1016-3	0.138	0.118	0.114	0.104	0.111	0.103	0.115	11.12
7) 11 1016-4	0.055	0.047	0.045	0.041	0.043	0.039	0.045	12.58
8) 11 1016-5	0.045	0.038	0.038	0.035	0.036	0.033	0.038	11.16
9) 12 1260-1	0.099	0.079	0.076	0.068	0.071	0.066	0.077	15.38
10) 12 1260-2	0.117	0.095	0.088	0.080	0.084	0.079	0.091	15.45
11) 12 1260-3	0.096	0.080	0.076	0.069	0.073	0.068	0.077	13.68
12) 12 1260-4	0.193	0.162	0.153	0.142	0.154	0.147	0.158	11.41
13) 12 1260-5	0.137	0.116	0.111	0.101	0.107	0.101	0.112	12.25
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.021	0.016	0.015	0.014		0.017	16.92
16) 13 1221-2	0.013	0.013	0.011	0.010	0.009		0.011	15.13
17) 13 1221-3	0.047	0.048	0.039	0.035	0.033		0.040	17.44
18) 14 1254-1	0.074	0.079	0.063	0.056	0.054	0.050	*L	0.9924
19) 14 1254-2	0.092	0.094	0.072	0.064	0.062	0.057	*L	0.9920
20) 14 1254-3	0.114	0.120	0.096	0.085	0.084	0.079	*L	0.9945
21) 14 1254-4	0.087	0.092	0.072	0.065	0.064	0.060	*L	0.9940
22) 14 1254-5	0.124	0.132	0.105	0.094	0.092	0.086	*L	0.9940
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.027	0.022	0.023	0.021	0.019	0.017	0.022	16.41
25) 16 1242-2	0.063	0.051	0.051	0.048	0.042	0.039	0.049	17.68
26) 16 1242-3	0.123	0.095	0.096	0.090	0.082	0.079	0.094	16.48
27) 16 1242-4	0.042	0.033	0.033	0.033	0.028	0.026	0.033	16.88
28) 16 1242-5	0.039	0.032	0.033	0.031	0.028	0.026	0.031	13.91
29) 19 1268-1	0.301	0.217	0.218	0.205	0.193	0.190	*L	0.9992
30) 19 1268-2	0.287	0.215	0.217	0.203	0.190	0.187	*L	0.9989
31) 19 1268-3	0.200	0.149	0.147	0.138	0.129	0.127	*L	0.9989
32) 19 1268-4	0.110	0.077	0.077	0.073	0.066	0.064	*L	0.9978
33) 19 1268-5	0.589	0.413	0.413	0.403	0.382	0.382	*L	0.9997
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.032	0.029	0.031	0.028	0.033	13.55
36) 17 1248-2	0.050	0.048	0.043	0.037	0.040	0.035	0.042	13.89



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.061	0.059	0.053	0.045	0.049	0.044	0.052	13.69
38) 17 1248-4	0.065	0.064	0.058	0.050	0.056	0.050	0.057	11.36
39) 17 1248-5	0.072	0.072	0.064	0.056	0.061	0.056	0.063	11.30
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.039	0.033	0.032	0.028	0.026	0.024	0.030	18.61
42) 15 1232-2	0.039	0.034	0.034	0.029	0.027	0.025	0.031	17.27
43) 15 1232-3	0.071	0.059	0.060	0.053	0.050	0.047	0.057	15.18
44) 15 1232-4	0.023	0.020	0.019	0.017	0.016	0.015	0.018	15.25
45) 15 1232-5	0.021	0.019	0.018	0.017	0.016	0.015	0.017	13.01
46) 18 1262-1	0.090	0.077	0.074	0.064	0.060		0.073	16.26
47) 18 1262-2	0.127	0.106	0.102	0.088	0.085		0.102	16.62
48) 18 1262-3	0.121	0.101	0.097	0.085	0.081		0.097	16.30
49) 18 1262-4	0.219	0.185	0.178	0.159	0.156		0.179	14.09
50) 18 1262-5	0.079	0.068	0.068	0.058	0.056		0.066	14.02



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/20/20 09:29
Lab File ID : P2200220a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1342673-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	127	.01
2,4,5,6-Tetrachloro-m-xylene	16	15.633	-	2.3	20	125	.02
Decachlorobiphenyl	32	28.286	-	11.6	20	118	.02
1016-1	250	249.811	-	0.1	20	131	.02
1016-2	250	229.591	-	8.2	20	117	.02
1016-3	250	218.515	-	12.6	20	118	.02
1016-4	250	240.149	-	3.9	20	123	.02
1016-5	250	252.001	-	-0.8	20	129	.02
1260-1	250	201.632	-	19.3	20	107	.02
1260-2	250	213.992	-	14.4	20	112	.01
1260-3	250	223.795	-	10.5	20	118	.01
1260-4	250	229.106	-	8.4	20	121	.01
1260-5	250	205.898	-	17.6	20	115	.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/20/20 09:29
Lab File ID : P2200220a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1342673-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	103	.01
2,4,5,6-Tetrachloro-m-xylene	16	16.232	-	-1.4	20	109	.02
Decachlorobiphenyl #2	32	33.448	-	-4.5	20	118	.03
1016-1 #2	250	253.482	-	-1.4	20	111	.02
1016-2 #2	250	261.435	-	-4.6	20	113	.02
1016-3 #2	250	248.44	-	0.6	20	108	.02
1016-4 #2	250	259.207	-	-3.7	20	109	.02
1016-5 #2	250	251.159	-	-0.5	20	109	.02
1260-1 #2	250	246.545	-	1.4	20	114	.01
1260-2 #2	250	255.619	-	-2.2	20	116	.01
1260-3 #2	250	254.574	-	-1.8	20	114	.01
1260-4 #2	250	251.126	-	-0.5	20	111	.01
1260-5 #2	250	236.428	-	5.4	20	111	.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/21/20 14:17
Lab File ID : P2200221a-06	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1343223-4	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	111	0
2,4,5,6-Tetrachloro-m-xylene	16	15.207	-	5	20	107	0
Decachlorobiphenyl	32	28.419	-	11.2	20	104	.02
1016-1	250	234.062	-	6.4	20	108	.01
1016-2	250	244.591	-	2.2	20	110	.01
1016-3	250	233.355	-	6.7	20	111	.01
1016-4	250	250.053	-	-0	20	113	.01
1016-5	250	249.377	-	0.2	20	112	.01
1260-1	250	232.445	-	7	20	108	.01
1260-2	250	238.004	-	4.8	20	109	.01
1260-3	250	228.109	-	8.8	20	106	.01
1260-4	250	234.847	-	6.1	20	108	.01
1260-5	250	214.989	-	14	20	106	.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/21/20 14:17
Lab File ID : P2200221a-06	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1343223-4	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	88	0
2,4,5,6-Tetrachloro-m-xylene	16	15.437	-	3.5	20	89	0
Decachlorobiphenyl #2	32	31.943	-	0.2	20	97	.02
1016-1 #2	250	244.889	-	2	20	92	0
1016-2 #2	250	245.969	-	1.6	20	91	0
1016-3 #2	250	232.649	-	6.9	20	87	0
1016-4 #2	250	238.459	-	4.6	20	86	0
1016-5 #2	250	244.699	-	2.1	20	91	0
1260-1 #2	250	259.989	-	-4	20	103	0
1260-2 #2	250	264.415	-	-5.8	20	103	0
1260-3 #2	250	262.615	-	-5	20	101	0
1260-4 #2	250	260.968	-	-4.4	20	99	0
1260-5 #2	250	242.231	-	3.1	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/22/20 09:40
Lab File ID : 19200222a-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1343434-1	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	57	0
2,4,5,6-Tetrachloro-m-xylene	160	200.518	-	-25.3*	20	76	0
Decachlorobiphenyl	320	340.551	-	-6.4	20	66	.01
1016-1	2500	2977.443	-	-19.1	20	72	0
1016-2	2500	2980.504	-	-19.2	20	73	0
1016-3	2500	3033.67	-	-21.3*	20	75	0
1016-4	2500	2931.576	-	-17.3	20	72	0
1016-5	2500	2947.659	-	-17.9	20	71	0
1260-1	2500	2900.467	-	-16	20	72	0
1260-2	2500	2929.403	-	-17.2	20	72	0
1260-3	2500	2881.887	-	-15.3	20	72	.01
1260-4	2500	2997.077	-	-19.9	20	73	.01
1260-5	2500	2942.786	-	-17.7	20	68	.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/22/20 09:40
Lab File ID : 19200222a-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1343434-1	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	93	0
2,4,5,6-Tetrachloro-m-xylene	160	189.776	-	-18.6	20	115	0
Decachlorobiphenyl #2	320	313.056	-	2.2	20	96	0
1016-1 #2	2500	2972.442	-	-18.9	20	116	0
1016-2 #2	2500	2935.963	-	-17.4	20	116	0
1016-3 #2	2500	2992.899	-	-19.7	20	116	0
1016-4 #2	2500	2900.758	-	-16	20	113	0
1016-5 #2	2500	2899.061	-	-16	20	111	0
1260-1 #2	2500	2691.151	-	-7.6	20	104	0
1260-2 #2	2500	2770.216	-	-10.8	20	107	0
1260-3 #2	2500	2778.961	-	-11.2	20	107	0
1260-4 #2	2500	2734.961	-	-9.4	20	107	0
1260-5 #2	2500	2691.652	-	-7.7	20	104	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/22/20 13:23
Lab File ID : 19200222a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1343434-2	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	68	0
2,4,5,6-Tetrachloro-m-xylene	160	156.087	-	2.4	20	70	0
Decachlorobiphenyl	320	268.769	-	16	20	62	0
1016-1	2500	2321.751	-	7.1	20	67	0
1016-2	2500	2308.477	-	7.7	20	67	0
1016-3	2500	2349.424	-	6	20	69	0
1016-4	2500	2352.919	-	5.9	20	69	0
1016-5	2500	2286.251	-	8.5	20	65	0
1260-1	2500	2206.203	-	11.8	20	65	0
1260-2	2500	2244.175	-	10.2	20	66	0
1260-3	2500	2243.853	-	10.2	20	66	0
1260-4	2500	2335.694	-	6.6	20	68	0
1260-5	2500	2309.86	-	7.6	20	64	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/22/20 13:23
Lab File ID : 19200222a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1343434-2	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	109	0
2,4,5,6-Tetrachloro-m-xylene	160	149.77	-	6.4	20	107	0
Decachlorobiphenyl #2	320	245.148	-	23.4*	20	88	0
1016-1 #2	2500	2337.681	-	6.5	20	107	0
1016-2 #2	2500	2313.892	-	7.4	20	107	0
1016-3 #2	2500	2338.343	-	6.5	20	106	0
1016-4 #2	2500	2284.265	-	8.6	20	104	0
1016-5 #2	2500	2262.817	-	9.5	20	101	0
1260-1 #2	2500	2081.127	-	16.8	20	94	0
1260-2 #2	2500	2175.641	-	13	20	99	0
1260-3 #2	2500	2143.801	-	14.2	20	97	0
1260-4 #2	2500	2130.341	-	14.8	20	97	0
1260-5 #2	2500	2068.769	-	17.2	20	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/24/20 08:52
Lab File ID : 23200224a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1343753-1	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	76	0
2,4,5,6-Tetrachloro-m-xylene	160	160.627	-	-0.4	15	84	0
Decachlorobiphenyl	320	369.766	-	-15.6*	15	87	0
1016-1	2500	2751.354	-	-10.1	15	91	0
1016-2	2500	2542.374	-	-1.7	15	87	0
1016-3	2500	2563.049	-	-2.5	15	87	0
1016-4	2500	2538.547	-	-1.5	15	86	0
1016-5	2500	2777.768	-	-11.1	15	92	0
1260-1	2500	2536.868	-	-1.5	15	88	0
1260-2	2500	2540.223	-	-1.6	15	88	0
1260-3	2500	2609.82	-	-4.4	15	89	0
1260-4	2500	2588.405	-	-3.5	15	89	0
1260-5	2500	2604.198	-	-4.2	15	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/24/20 08:52
Lab File ID : 23200224a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1343753-1	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	96	0
2,4,5,6-Tetrachloro-m-xylene	160	163.804	-	-2.4	15	107	0
Decachlorobiphenyl #2	320	276.908	-	13.5	15	96	0
1016-1 #2	2500	2755.796	-	-10.2	15	114	0
1016-2 #2	2500	2650.868	-	-6	15	112	0
1016-3 #2	2500	2576.268	-	-3.1	15	109	0
1016-4 #2	2500	2650.015	-	-6	15	111	0
1016-5 #2	2500	2648.766	-	-6	15	109	0
1260-1 #2	2500	2513.309	-	-0.5	15	108	0
1260-2 #2	2500	2492.389	-	0.3	15	107	0
1260-3 #2	2500	2627.215	-	-5.1	15	112	0
1260-4 #2	2500	2501.911	-	-0.1	15	106	0
1260-5 #2	2500	2484.763	-	0.6	15	106	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/24/20 20:26
Lab File ID : 23200224a-44	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1343753-3	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	86	0
2,4,5,6-Tetrachloro-m-xylene	160	148.622	-	7.1	15	88	0
Decachlorobiphenyl	320	346.06	-	-8.1	15	93	0
1016-1	2500	2478.223	-	0.9	15	93	0
1016-2	2500	2337.62	-	6.5	15	91	0
1016-3	2500	2356.907	-	5.7	15	91	0
1016-4	2500	2363.074	-	5.5	15	91	0
1016-5	2500	2381.39	-	4.7	15	90	0
1260-1	2500	2337.991	-	6.5	15	92	0
1260-2	2500	2337.019	-	6.5	15	92	0
1260-3	2500	2394.024	-	4.2	15	92	0
1260-4	2500	2386.035	-	4.6	15	93	0
1260-5	2500	2373.62	-	5.1	15	92	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/24/20 20:26
Lab File ID : 23200224a-44	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1343753-3	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	104	0
2,4,5,6-Tetrachloro-m-xylene	160	155.81	-	2.6	15	111	0
Decachlorobiphenyl #2	320	263.703	-	17.6*	15	99	0
1016-1 #2	2500	2609.105	-	-4.4	15	117	0
1016-2 #2	2500	2459.003	-	1.6	15	112	0
1016-3 #2	2500	2459.173	-	1.6	15	112	0
1016-4 #2	2500	2506.749	-	-0.3	15	114	0
1016-5 #2	2500	2534.343	-	-1.4	15	113	0
1260-1 #2	2500	2357.221	-	5.7	15	110	0
1260-2 #2	2500	2329.45	-	6.8	15	109	0
1260-3 #2	2500	2366.862	-	5.3	15	110	0
1260-4 #2	2500	2338.567	-	6.5	15	108	0
1260-5 #2	2500	2332.403	-	6.7	15	107	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/25/20 08:49
Lab File ID : 19200225a-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1344121-1	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	67	0
2,4,5,6-Tetrachloro-m-xylene	160	155.286	-	2.9	20	69	0
Decachlorobiphenyl	320	277.062	-	13.4	20	63	0
1016-1	2500	2274.438	-	9	20	65	0
1016-2	2500	2286.238	-	8.6	20	65	0
1016-3	2500	2354.625	-	5.8	20	68	0
1016-4	2500	2244.55	-	10.2	20	65	0
1016-5	2500	2362.274	-	5.5	20	66	0
1260-1	2500	2240.503	-	10.4	20	65	0
1260-2	2500	2279.457	-	8.8	20	66	0
1260-3	2500	2243.503	-	10.3	20	65	0
1260-4	2500	2320.195	-	7.2	20	66	0
1260-5	2500	2318.335	-	7.3	20	63	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/25/20 08:49
Lab File ID : 19200225a-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1344121-1	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	111	0
2,4,5,6-Tetrachloro-m-xylene	160	147.151	-	8	20	107	0
Decachlorobiphenyl #2	320	271.423	-	15.2	20	100	0
1016-1 #2	2500	2325.042	-	7	20	109	0
1016-2 #2	2500	2358.89	-	5.6	20	112	0
1016-3 #2	2500	2363.031	-	5.5	20	109	0
1016-4 #2	2500	2305.513	-	7.8	20	108	0
1016-5 #2	2500	2286.795	-	8.5	20	105	0
1260-1 #2	2500	2210.833	-	11.6	20	102	0
1260-2 #2	2500	2226.078	-	11	20	103	0
1260-3 #2	2500	2177.537	-	12.9	20	101	0
1260-4 #2	2500	2170.752	-	13.2	20	102	0
1260-5 #2	2500	2160.241	-	13.6	20	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/25/20 13:11
Lab File ID : 19200225a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1344121-2	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
i 1660_1br2nb	250	250	-	0	20	72	0
s 2,4,5,6-Tetrachloro-m-x	160	146.609	-	8.4	20	69	0
s Decachlorobiphenyl	320	263.908	-	17.5	20	64	0
I1 1016-1	2500	2162.185	-	13.5	20	66	0
I1 1016-2	2500	2188.247	-	12.5	20	67	0
I1 1016-3	2500	2232.092	-	10.7	20	69	0
I1 1016-4	2500	2212.67	-	11.5	20	68	0
I1 1016-5	2500	2181.66	-	12.7	20	65	0
I2 1260-1	2500	2143.03	-	14.3	20	66	0
1260-2	2500	2182.387	-	12.7	20	67	0
1260-3	2500	2178.452	-	12.9	20	68	0
1260-4	2500	2247.239	-	10.1	20	68	0
1260-5	2500	2248.708	-	10.1	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/25/20 13:11
Lab File ID : 19200225a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1344121-2	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	117	0
2,4,5,6-Tetrachloro-m-xylene	160	141.301	-	11.7	20	108	0
Decachlorobiphenyl #2	320	256.825	-	19.7	20	99	0
1016-1 #2	2500	2261.133	-	9.6	20	111	0
1016-2 #2	2500	2206.737	-	11.7	20	110	0
1016-3 #2	2500	2254.121	-	9.8	20	110	0
1016-4 #2	2500	2197.278	-	12.1	20	108	0
1016-5 #2	2500	2192.962	-	12.3	20	106	0
1260-1 #2	2500	2128.252	-	14.9	20	104	0
1260-2 #2	2500	2157.233	-	13.7	20	105	0
1260-3 #2	2500	2142.733	-	14.3	20	104	0
1260-4 #2	2500	2088.758	-	16.4	20	103	0
1260-5 #2	2500	2109.363	-	15.6	20	103	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007485
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279800-1	01/29/20 18:49
1242/1268 L2	R1279800-2	01/29/20 18:56
1242/1268 L3	R1279800-4	01/29/20 19:02
1242/1268 L4	R1279800-3	01/29/20 19:09
1242/1268 L5	R1279800-6	01/29/20 19:16
1242/1268 L6	R1279800-5	01/29/20 19:23
1232/1262 L1	R1279800-7	01/29/20 19:30
1232/1262 L2	R1279800-8	01/29/20 19:37
1232/1262 L3	R1279800-9	01/29/20 19:43
1232/1262 L4	R1279800-10	01/29/20 19:50
1232/1262 L5	R1279800-12	01/29/20 19:57
1232 L6	R1279800-11	01/29/20 20:04
1248 L1	R1279800-14	01/29/20 20:10
1248 L2	R1279800-13	01/29/20 20:17
1248 L3	R1279800-16	01/29/20 20:24
1248 L4	R1279800-15	01/29/20 20:31
1248 L5	R1279800-18	01/29/20 20:37
1248 L6	R1279800-17	01/29/20 20:44
1221/1254 L1	R1279800-19	01/29/20 20:51
1221/1254 L2	R1279800-20	01/29/20 20:58
1221/1254 L4	R1279800-22	01/29/20 21:11
1221/1254 L5	R1279800-23	01/29/20 21:18
1254 L6	R1279800-21	01/29/20 21:25
1016/1260 L1	R1279800-24	01/29/20 21:32
1016/1260 L2	R1279800-25	01/29/20 21:38
1016/1260 L3	R1279800-27	01/29/20 21:45
1016/1260 L4	R1279800-26	01/29/20 21:52
1016/1260 L5	R1279800-28	01/29/20 21:58
1016/1260 L6	R1279800-29	01/29/20 22:05
R1279800-30 ICV	R1279800-30	01/29/20 22:12
R1279800-31 ICV	R1279800-31	01/29/20 22:19
R1279800-33 ICV	R1279800-33	01/29/20 22:25
R1279800-32 ICV	R1279800-32	01/29/20 22:39
1221/1254 L3	R1279800-35	01/30/20 22:53
R1279800-34 ICV	R1279800-34	01/30/20 23:00
WG1343753-1 CCAL	WG1343753-1	02/24/20 08:52
E-180-0.5-1.0	L2007485-19	02/24/20 13:15
E-180-1.5-2.0	L2007485-20	02/24/20 13:22
X-9-02192020	L2007485-28 D	02/24/20 13:28
E-185-0.5-1.0	L2007485-06 D	02/24/20 13:35
E-185-1.5-2.0	L2007485-07 D	02/24/20 13:42
E-175-0.5-1.0	L2007485-16 D	02/24/20 13:49



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007485
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
WG1343753-3 CCAL	WG1343753-3	02/24/20 20:26
E-189-1.5-2.0	L2007485-02	02/24/20 23:31
E-184-0.5-1.0	L2007485-10	02/24/20 23:38
WG1343647-1 BLANK	WG1343647-1	02/24/20 23:45
WG1343647-2 LCS	WG1343647-2	02/24/20 23:51
WG1343647-3 LCSD	WG1343647-3	02/24/20 23:58



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2007485
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1342673-1 CCAL	WG1342673-1	02/20/20 09:29
WG1342485-1 BLANK	WG1342485-1	02/20/20 11:00
WG1342485-2 LCS	WG1342485-2	02/20/20 11:14
WG1342485-3 LCSD	WG1342485-3	02/20/20 11:27
WG1343223-4 CCAL	WG1343223-4	02/21/20 14:17
EB-9-02192020	L2007485-27	02/21/20 17:17



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007485
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1258780-12	11/20/19 11:11
1242/1268 L2	R1258780-13	11/20/19 11:18
1242/1268 L3	R1258780-14	11/20/19 11:25
1242/1268 L4	R1258780-15	11/20/19 11:32
1242/1268 L5	R1258780-16	11/20/19 11:39
1242/1268 L6	R1258780-17	11/20/19 11:46
1232/1262 L1	R1258780-18	11/20/19 11:53
1232/1262 L2	R1258780-21	11/20/19 12:00
1232/1262 L3	R1258780-19	11/20/19 12:07
1232/1262 L4	R1258780-20	11/20/19 12:13
1232/1262 L5	R1258780-22	11/20/19 12:20
1232/1262 L6	R1258780-23	11/20/19 12:27
1221/1254 L1	R1258780-24	11/20/19 12:34
1221/1254 L2	R1258780-25	11/20/19 12:41
1221/1254 L3	R1258780-28	11/20/19 12:48
1221/1254 L4	R1258780-27	11/20/19 12:55
1221/1254 L5	R1258780-26	11/20/19 13:02
1221/1254 L6	R1258780-30	11/20/19 13:08
1016/1260 L1	R1258780-29	11/20/19 13:15
1016/1260 L2	R1258780-31	11/20/19 13:22
1016/1260 L3	R1258780-33	11/20/19 13:29
1016/1260 L4	R1258780-32	11/20/19 13:36
1016/1260 L5	R1258780-34	11/20/19 13:43
1016/1260 L6	R1258780-35	11/20/19 13:50
1248 L1	R1258780-1	11/20/19 13:57
1248 L2	R1258780-2	11/20/19 14:04
1248 L3	R1258780-3	11/20/19 14:11
1248 L4	R1258780-4	11/20/19 14:17
1248 L5	R1258780-5	11/20/19 14:24
1248 L6	R1258780-8	11/20/19 14:31
R1258780-7 ICV	R1258780-7	11/20/19 14:38
R1258780-6 ICV	R1258780-6	11/20/19 14:45
R1258780-10 ICV	R1258780-10	11/20/19 14:52
R1258780-9 ICV	R1258780-9	11/20/19 14:59
R1258780-11 ICV	R1258780-11	11/22/19 16:02
WG1343434-1 CCAL	WG1343434-1	02/22/20 09:40
E-189-0.5-1.0	L2007485-01	02/22/20 11:06
E-189-0.5-1.0 MS	WG1343014-4	02/22/20 11:12
E-189-0.5-1.0 DUP	WG1343014-5	02/22/20 11:19
E-196-0.5-1.0	L2007485-03	02/22/20 11:26
E-196-2.0-2.5	L2007485-04	02/22/20 11:33
E-196-3.0-3.5	L2007485-05	02/22/20 11:40



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007485
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
E-183-0.5-1.0	L2007485-08	02/22/20 12:01
E-183-1.5-2.0	L2007485-09	02/22/20 12:07
E-182-1.5-2.0	L2007485-13	02/22/20 12:14
E-181-1.5-2.0	L2007485-15	02/22/20 12:21
E-173-0.5-1.0	L2007485-21	02/22/20 12:49
E-173-2.0-2.5	L2007485-22	02/22/20 12:56
WG1343014-1 BLANK	WG1343014-1	02/22/20 13:02
WG1343014-2 LCS	WG1343014-2	02/22/20 13:09
WG1343014-3 LCSD	WG1343014-3	02/22/20 13:16
WG1343434-2 CCAL	WG1343434-2	02/22/20 13:23
E-169-0.5-1.0	L2007485-24	02/22/20 15:04
E-169-2.0-2.5	L2007485-25	02/22/20 15:11
WG1344121-1 CCAL	WG1344121-1	02/25/20 08:49
E-184-1.5-2.0	L2007485-11	02/25/20 12:57
E-182-0.5-1.0	L2007485-12	02/25/20 13:04
WG1344121-2 CCAL	WG1344121-2	02/25/20 13:11
E-181-0.5-1.0	L2007485-14	02/25/20 13:18
E-175-2.0-2.5	L2007485-17	02/25/20 13:25



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2007485
 Project Number: 277710568.0008.06
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	DCB 1 %REC	DCB 2 %REC	TCX 1 %REC	TCX 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-9-02192020 (L2007485-27)	51	61	61	62			0
WG1342485-1BLANK	39	50	37	39			0
WG1342485-2LCS	50	58	50	50			0
WG1342485-3LCSD	56	68	60	59			0

QC LIMITS

(30-150) DCBP = DECACHLOROBIPHENYL

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2007485
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	DCB 1 %REC	DCB 2 %REC	TCX 1 %REC	TCX 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-189-0.5-1.0 (L2007485-01)	52	52	54	54			0
E-189-1.5-2.0 (L2007485-02)	56	45	47	52			0
E-196-0.5-1.0 (L2007485-03)	47	58	54	53			0
E-196-2.0-2.5 (L2007485-04)	41	53	46	44			0
E-196-3.0-3.5 (L2007485-05)	50	54	56	55			0
E-185-0.5-1.0 (L2007485-06D)	0*	0*	0*	0*			4
E-185-1.5-2.0 (L2007485-07D)	0*	0*	0*	0*			4
E-183-0.5-1.0 (L2007485-08)	59	63	62	62			0
E-183-1.5-2.0 (L2007485-09)	58	62	64	64			0
E-184-0.5-1.0 (L2007485-10)	77	61	63	69			0
E-184-1.5-2.0 (L2007485-11)	67	77	70	70			0
E-182-0.5-1.0 (L2007485-12)	71	71	66	65			0
E-182-1.5-2.0 (L2007485-13)	50	47	55	54			0
E-181-0.5-1.0 (L2007485-14)	67	62	71	69			0
E-181-1.5-2.0 (L2007485-15)	50	47	57	57			0
E-175-0.5-1.0 (L2007485-16D)	65	59	49	52			0
E-175-2.0-2.5 (L2007485-17)	65	59	64	63			0
E-180-0.5-1.0 (L2007485-19)	64	58	51	65			0
E-180-1.5-2.0 (L2007485-20)	69	55	52	59			0
E-173-0.5-1.0 (L2007485-21)	51	58	53	52			0
E-173-2.0-2.5 (L2007485-22)	56	54	61	61			0
E-169-0.5-1.0 (L2007485-24)	58	53	58	56			0
E-169-2.0-2.5 (L2007485-25)	63	58	63	62			0
X-9-02192020 (L2007485-28D)	60	32	47	51			0
WG1343014-1BLANK	62	57	64	64			0
WG1343014-2LCS	54	50	58	58			0
WG1343014-3LCSD	58	53	63	62			0
E-189-0.5-1.0MS	44	46	49	48			0

QC LIMITS

(30-150) DCBP = DECACHLOROBIPHENYL
 (30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2007485
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	DCB 1 %REC	DCB 2 %REC	TCX 1 %REC	TCX 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-189-0.5-1.0DUP	44	42	47	45			0
WG1343647-1BLANK	84	67	67	74			0
WG1343647-2LCS	77	59	63	68			0
WG1343647-3LCSD	77	59	62	67			0

QC LIMITS

(30-150) DCBP = DECACHLOROBIPHENYL

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Lab Duplicate Sample Summary

Form 3

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-189-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2007485-01	Analysis Date	: 02/22/20 11:06
Lab File ID	: 19200222a-03	DUP File ID	: 19200222a-05
Dup Sample ID	: WG1343014-5	DUP Analysis Date	: 02/22/20 11:19

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1260	0.252	0.208	19	30
PCBs, Total	0.252	0.208	19	30



Lab Duplicate Sample Summary

Form 3

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-189-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2007485-01	Analysis Date	: 02/22/20 11:06
Lab File ID	: 19200222a-03	DUP File ID	: 19200222a-05
Dup Sample ID	: WG1343014-5	DUP Analysis Date	: 02/22/20 11:19

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1016	ND	ND	NC	30
Aroclor 1221	ND	ND	NC	30
Aroclor 1232	ND	ND	NC	30
Aroclor 1242	ND	ND	NC	30
Aroclor 1248	ND	ND	NC	30
Aroclor 1254	ND	ND	NC	30
Aroclor 1262	ND	ND	NC	30
Aroclor 1268	ND	ND	NC	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007485
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : WATER
 LCS Sample ID : WG1342485-2 Analysis Date : 02/20/20 11:14 File ID : P2200220a-07
 LCSD Sample ID : WG1342485-3 Analysis Date : 02/20/20 11:27 File ID : P2200220a-08

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	0.914	51	1.78	1.08	61	17	40-140	20
Aroclor 1260	1.78	0.885	50	1.78	1.02	57	14	40-140	20



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007485
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1343014-2 Analysis Date : 02/22/20 13:09 File ID : 19200222a-21
 LCSD Sample ID : WG1343014-3 Analysis Date : 02/22/20 13:16 File ID : 19200222a-22

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.208	0.126	61	0.204	0.134	66	8	40-140	30
Aroclor 1260	0.208	0.118	57	0.204	0.125	61	7	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007485
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1343647-2 Analysis Date : 02/24/20 23:51 File ID : 23200224a-63
 LCSD Sample ID : WG1343647-3 Analysis Date : 02/24/20 23:58 File ID : 23200224a-64

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.201	0.177	88	0.204	0.180	88	0	40-140	30
Aroclor 1260	0.201	0.165	82	0.204	0.167	82	0	40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Client Sample ID : E-189-0.5-1.0	Matrix : SOIL
Lab Sample ID : L2007485-01	Analysis Date : 02/22/20 11:06
Matrix Spike : WG1343014-4	MS Analysis Date : 02/22/20 11:12
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1016	ND	0.249	0.133	53					40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Client Sample ID : E-189-0.5-1.0	Matrix : SOIL
Lab Sample ID : L2007485-01	Analysis Date : 02/22/20 11:06
Matrix Spike : WG1343014-4	MS Analysis Date : 02/22/20 11:12
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1260	0.252	0.249	0.316	26	Q			40-140	30	



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-01	
Client ID : E-189-0.5-1.0	
Date Analyzed (1) : 02/22/20 11:06	Date Analyzed (2) : 02/22/20 11:06
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.59	2.52	2.62	0.2		
	2	2.74	2.67	2.77	0.26		
COLUMN 1	3	3.08	3.01	3.11	0.228		
	4	3.25	3.18	3.28	0.27		
	5	3.41	3.34	3.44	0.285	0.248	
COLUMN 2	1	2.96	2.91	3.01	0.198		
	2	3.08	3.02	3.12	0.27		
	3	3.50	3.44	3.54	0.222		
	4	3.64	3.58	3.68	0.299		
	5	3.85	3.79	3.89	0.273	0.252	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-02	
Client ID : E-189-1.5-2.0	
Date Analyzed (1) : 02/24/20 23:31	Date Analyzed (2) : 02/24/20 23:31
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.27	2.22	2.32	0.0789			
	2	2.39	2.34	2.44	0.0998			
	COLUMN 1	3	2.68	2.63	2.73	0.0898		
		4	2.82	2.77	2.87	0.109		
		5	2.96	2.91	3.01	0.115	0.0986	
COLUMN 2	1	2.72	2.67	2.77	0.077			
	2	2.82	2.77	2.87	0.0987			
	3	3.19	3.14	3.24	0.0974			
	4	3.32	3.27	3.37	0.1			
	5	3.52	3.47	3.57	0.103	0.0953	3	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-03	
Client ID : E-196-0.5-1.0	
Date Analyzed (1) : 02/22/20 11:26	Date Analyzed (2) : 02/22/20 11:26
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.0892		
	2	2.72	2.67	2.77	0.12		
COLUMN 1	3	3.06	3.01	3.11	0.0786		
	4	3.23	3.18	3.28	0.0971		
	5	3.39	3.34	3.44	0.116	0.1	
COLUMN 2	1	2.95	2.91	3.01	0.0925		
	2	3.07	3.02	3.12	0.123		
	3	3.49	3.44	3.54	0.0837		
	4	3.63	3.58	3.68	0.0934		
	5	3.84	3.79	3.89	0.104	0.0993	1



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-04	
Client ID : E-196-2.0-2.5	
Date Analyzed (1) : 02/22/20 11:33	Date Analyzed (2) : 02/22/20 11:33
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.262		
	2	2.71	2.67	2.77	0.334		
COLUMN 1	3	3.06	3.01	3.11	0.294		
	4	3.23	3.18	3.28	0.32		
	5	3.39	3.34	3.44	0.38	0.318	
COLUMN 2	1	2.95	2.91	3.01	0.23		
	2	3.07	3.02	3.12	0.345		
	3	3.49	3.44	3.54	0.253		
	4	3.63	3.58	3.68	0.316		
	5	3.84	3.79	3.89	0.33	0.295	8



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2007485-05		
Client ID	: E-196-3.0-3.5		
Date Analyzed (1)	: 02/22/20 11:40	Date Analyzed (2)	: 02/22/20 11:40
Instrument ID (1)	: PEST19	Instrument ID (2)	: PEST19
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.133		
	2	2.71	2.67	2.77	0.208		
COLUMN 1	3	3.06	3.01	3.11	0.157		
	4	3.23	3.18	3.28	0.187		
	5	3.39	3.34	3.44	0.239	0.185	
COLUMN 2	1	2.95	2.91	3.01	0.131		
	2	3.07	3.02	3.12	0.211		
	3	3.48	3.44	3.54	0.144		
	4	3.63	3.58	3.68	0.206		
	5	3.84	3.79	3.89	0.199	0.178	4



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-06D	
Client ID : E-185-0.5-1.0	
Date Analyzed (1) : 02/24/20 13:35	Date Analyzed (2) : 02/24/20 13:35
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	2.93		
	2	2.39	2.34	2.44	3.21		
COLUMN 1	3	2.68	2.64	2.74	2.99		
	4	2.83	2.78	2.88	3.32		
	5	2.96	2.92	3.02	3.64	3.22	
COLUMN 2	1	2.72	2.67	2.77	2.65		
	2	2.82	2.77	2.87	3.01		
	3	3.19	3.15	3.25	3.2		
	4	3.32	3.28	3.38	3.24		
	5	3.52	3.47	3.57	3.32	3.08	4



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-07D	
Client ID : E-185-1.5-2.0	
Date Analyzed (1) : 02/24/20 13:42	Date Analyzed (2) : 02/24/20 13:42
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.27	2.23	2.33	6.41			
	2	2.39	2.34	2.44	7.58			
	COLUMN 1	3	2.68	2.64	2.74	6.76		
		4	2.83	2.78	2.88	7.82		
		5	2.97	2.92	3.02	8.42	7.4	
COLUMN 2	1	2.72	2.67	2.77	6.26			
	2	2.82	2.77	2.87	7.37			
	3	3.19	3.15	3.25	7.36			
	4	3.32	3.28	3.38	7.61			
	5	3.52	3.47	3.57	7.71	7.26	2	



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2007485-08		
Client ID	: E-183-0.5-1.0		
Date Analyzed (1)	: 02/22/20 12:01	Date Analyzed (2)	: 02/22/20 12:01
Instrument ID (1)	: PEST19	Instrument ID (2)	: PEST19
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.0585			
	2	2.71	2.67	2.77	0.0771			
COLUMN 1	3	3.06	3.01	3.11	0.0761			
	4	3.23	3.18	3.28	0.0904			
	5	3.39	3.34	3.44	0.0859	0.0776		
COLUMN 2	1	2.95	2.91	3.01	0.0681			
	2	3.07	3.02	3.12	0.0827			
	3	3.49	3.44	3.54	0.0639			
	4	3.63	3.58	3.68	0.0818			
	5	3.84	3.79	3.89	0.0842	0.0762		2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-09	
Client ID : E-183-1.5-2.0	
Date Analyzed (1) : 02/22/20 12:07	Date Analyzed (2) : 02/22/20 12:07
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.339		
	2	2.71	2.67	2.77	0.43		
COLUMN 1	3	3.06	3.01	3.11	0.385		
	4	3.23	3.18	3.28	0.441		
	5	3.39	3.34	3.44	0.456	0.41	
COLUMN 2	1	2.95	2.91	3.01	0.341		
	2	3.07	3.02	3.12	0.42		
	3	3.49	3.44	3.54	0.335		
	4	3.63	3.58	3.68	0.412		
	5	3.84	3.79	3.89	0.414	0.385	6



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-10	
Client ID : E-184-0.5-1.0	
Date Analyzed (1) : 02/24/20 23:38	Date Analyzed (2) : 02/24/20 23:38
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.27	2.22	2.32	0.213			
	2	2.39	2.34	2.44	0.28			
	COLUMN 1	3	2.68	2.63	2.73	0.264		
		4	2.82	2.77	2.87	0.302		
		5	2.96	2.91	3.01	0.342	0.28	
COLUMN 2	1	2.72	2.67	2.77	0.208			
	2	2.82	2.77	2.87	0.294			
	3	3.19	3.14	3.24	0.284			
	4	3.32	3.27	3.37	0.308			
	5	3.52	3.47	3.57	0.315	0.282	1	



Identification Summary

Form 10

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2007485-11		
Client ID	: E-184-1.5-2.0		
Date Analyzed (1)	: 02/25/20 12:57	Date Analyzed (2)	: 02/25/20 12:57
Instrument ID (1)	: PEST19	Instrument ID (2)	: PEST19
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean	%RPD
			From	To		Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.0216		
	2	2.71	2.67	2.77	0.0341		
COLUMN 1	3	3.06	3.01	3.11	0.0488		
	4	3.23	3.18	3.28	0.0336		
	5	3.38	3.34	3.44	0.0356	0.0348J	
COLUMN 2	1	2.95	2.90	3.00	0.0204		
	2	3.06	3.01	3.11	0.0315		
	3	3.48	3.43	3.53	0.0225		
	4	3.62	3.57	3.67	0.0329		
	5	3.83	3.79	3.89	0.0375	0.029J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-12	
Client ID : E-182-0.5-1.0	
Date Analyzed (1) : 02/25/20 13:04	Date Analyzed (2) : 02/25/20 13:04
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.0616			
	2	2.71	2.67	2.77	0.0789			
COLUMN 1	3	3.06	3.01	3.11	0.0697			
	4	3.23	3.18	3.28	0.0857			
	5	3.38	3.34	3.44	0.093	0.0778		
COLUMN 2	1	2.95	2.90	3.00	0.0481			
	2	3.06	3.01	3.11	0.079			
	3	3.48	3.43	3.53	0.0631			
	4	3.62	3.57	3.67	0.085			
	5	3.83	3.79	3.89	0.0906	0.0732		6



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-14	
Client ID : E-181-0.5-1.0	
Date Analyzed (1) : 02/25/20 13:18	Date Analyzed (2) : 02/25/20 13:18
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.00902		
	2	2.71	2.66	2.76	0.0161		
COLUMN 1	3	3.05	3.00	3.10	0.00975		
	4	3.22	3.17	3.27	0.0113		
	5	3.38	3.33	3.43	0.0155	0.0124J	
COLUMN 2	1	2.95	2.90	3.00	0.0111		
	2	3.06	3.01	3.11	0.0169		
	3	3.48	3.43	3.53	0.01		
	4	3.62	3.57	3.67	0.011		
	5	3.83	3.78	3.88	0.015	0.0128J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-15	
Client ID : E-181-1.5-2.0	
Date Analyzed (1) : 02/22/20 12:21	Date Analyzed (2) : 02/22/20 12:21
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean	%RPD	
			From	To		Concentration		
AROCOR 1254	1	2.15	-0.05	0.05	0.00999			
	2	2.28	-0.05	0.05	0.00993			
	COLUMN 1	3	2.48	-0.05	0.05	0.0135		
		4	2.62	-0.05	0.05	0.0116		
		5	0.00	-0.05	0.05	0.	0.0112J	
COLUMN 2	1	2.50	-0.05	0.05	0.0157			
	2	2.60	-0.05	0.05	0.0177			
	3	2.85	-0.05	0.05	0.0134			
	4	2.97	-0.05	0.05	0.00888			
	5	0.00	-0.05	0.05	0.	0.0139J	NC	
AROCOR 1260	1	0.00	2.52	2.62	0.			
	2	2.71	2.67	2.77	0.021			
	COLUMN 1	3	3.06	3.01	3.11	0.0113		
		4	3.23	3.18	3.28	0.014		
		5	3.38	3.34	3.44	0.0175	0.0159J	
COLUMN 2	1	0.00	2.91	3.01	0.			
	2	3.07	3.02	3.12	0.0201			
	3	3.48	3.44	3.54	0.0105			
	4	3.63	3.58	3.68	0.0126			
	5	3.84	3.79	3.89	0.0174	0.0151J	NC	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-16D	
Client ID : E-175-0.5-1.0	
Date Analyzed (1) : 02/24/20 13:49	Date Analyzed (2) : 02/24/20 13:49
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.776		
	2	2.39	2.34	2.44	0.969		
COLUMN 1	3	2.68	2.64	2.74	1.05		
	4	2.83	2.78	2.88	1.23		
	5	2.96	2.92	3.02	1.18	1.04	
COLUMN 2	1	2.72	2.67	2.77	0.718		
	2	2.82	2.77	2.87	0.959		
	3	3.19	3.15	3.25	1.1		
	4	3.32	3.28	3.38	1.17		
	5	3.52	3.47	3.57	1.26	1.04	0



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-17	
Client ID : E-175-2.0-2.5	
Date Analyzed (1) : 02/25/20 13:25	Date Analyzed (2) : 02/25/20 13:25
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.00719		
	2	2.71	2.66	2.76	0.00878		
COLUMN 1	3	3.05	3.00	3.10	0.00816		
	4	3.22	3.17	3.27	0.00886		
	5	3.38	3.33	3.43	0.00643	0.00789J	
COLUMN 2	1	2.95	2.90	3.00	0.00622		
	2	3.06	3.01	3.11	0.00771		
	3	3.48	3.43	3.53	0.00628		
	4	3.62	3.57	3.67	0.00812		
	5	3.83	3.78	3.88	0.00673	0.00701J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-21	
Client ID : E-173-0.5-1.0	
Date Analyzed (1) : 02/22/20 12:49	Date Analyzed (2) : 02/22/20 12:49
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.207		
	2	2.71	2.67	2.77	0.265		
COLUMN 1	3	3.06	3.01	3.11	0.261		
	4	3.23	3.18	3.28	0.271		
	5	3.38	3.34	3.44	0.302	0.261	
COLUMN 2	1	2.95	2.91	3.01	0.185		
	2	3.07	3.02	3.12	0.264		
	3	3.48	3.44	3.54	0.203		
	4	3.63	3.58	3.68	0.254		
	5	3.84	3.79	3.89	0.265	0.234	11



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2007485-22		
Client ID	: E-173-2.0-2.5		
Date Analyzed (1)	: 02/22/20 12:56	Date Analyzed (2)	: 02/22/20 12:56
Instrument ID (1)	: PEST19	Instrument ID (2)	: PEST19
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.0482			
	2	2.71	2.67	2.77	0.0646			
COLUMN 1	3	3.06	3.01	3.11	0.0569			
	4	3.23	3.18	3.28	0.0646			
	5	3.38	3.34	3.44	0.0718	0.0612		
COLUMN 2	1	2.95	2.91	3.01	0.0446			
	2	3.07	3.02	3.12	0.0612			
	3	3.48	3.44	3.54	0.0476			
	4	3.63	3.58	3.68	0.0572			
	5	3.84	3.79	3.89	0.0626	0.0546		11



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-24	
Client ID : E-169-0.5-1.0	
Date Analyzed (1) : 02/22/20 15:04	Date Analyzed (2) : 02/22/20 15:04
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.0796		
	2	2.71	2.66	2.76	0.103		
COLUMN 1	3	3.05	3.01	3.11	0.0932		
	4	3.22	3.18	3.28	0.104		
	5	3.38	3.33	3.43	0.117	0.0993	
COLUMN 2	1	2.95	2.90	3.00	0.071		
	2	3.07	3.02	3.12	0.101		
	3	3.48	3.43	3.53	0.0775		
	4	3.63	3.58	3.68	0.104		
	5	3.84	3.79	3.89	0.105	0.0918	8



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007485-28D	
Client ID : X-9-02192020	
Date Analyzed (1) : 02/24/20 13:28	Date Analyzed (2) : 02/24/20 13:28
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.23	2.33	0.698		
	2	2.39	2.34	2.44	0.898		
COLUMN 1	3	2.68	2.64	2.74	0.876		
	4	2.83	2.78	2.88	0.994		
	5	2.97	2.92	3.02	1.06	0.905	
COLUMN 2	1	2.72	2.67	2.77	0.666		
	2	2.82	2.77	2.87	0.849		
	3	3.19	3.15	3.25	0.909		
	4	3.32	3.28	3.38	0.942		
	5	3.52	3.47	3.57	0.954	0.864	5



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:06 am
 Operator : pest19:cw
 Sample : 12007485-01,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:32:26 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.997	1.032	31868037	44812323	250.000	250.000M1
Standard Area 1 : #1 = 23924273					Recovery =	133.20%
Standard Area 1 : #2 = 35432560					Recovery =	126.47%
14) i 2154_1br2nb	0.997	1.032	31868037	44812323	250.000	250.000M1
23) i 4268_1br2nb	0.997	1.032	31868037	44812323	250.000	250.000M1
34) i 1248_1br2nb	0.997	1.032	31868037	44812323	250.000	250.000M1
40) i 3262_1br2nb	0.997	1.032	31868037	44812323	250.000	250.000M1
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.258	1.379	45183161	61464923	271.691	268.548M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	54.34% 53.71%
3) s Decachlorobi	4.029	4.526	34566604	50660080	259.120	262.411
Spiked Amount 500.000	Range 30 - 150				Recovery =	51.82% 52.48%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.590f	2.962	21125350	30030093	2515.225	2491.150M1
10) l2 1260-2	2.735f	3.077	41230513	48086597	3264.832	3399.389M4
11) l2 1260-3	3.080f	3.495	23564847	34427190	2867.436	2792.233M1
12) l2 1260-4	3.251f	3.639	58601866	97673925	3391.245	3764.506
13) l2 1260-5	3.409f	3.850	44731145	61814223	3582.349M1	3429.543
Sum 1260-1			189.3E6	272.0E6	15621.086	15876.821
Average 1260-1					3124.217	3175.364

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:06 am
 Operator : pest19:cw
 Sample : 12007485-01,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:32:26 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:06 am
 Operator : pest19:cw
 Sample : 12007485-01,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:32:26 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

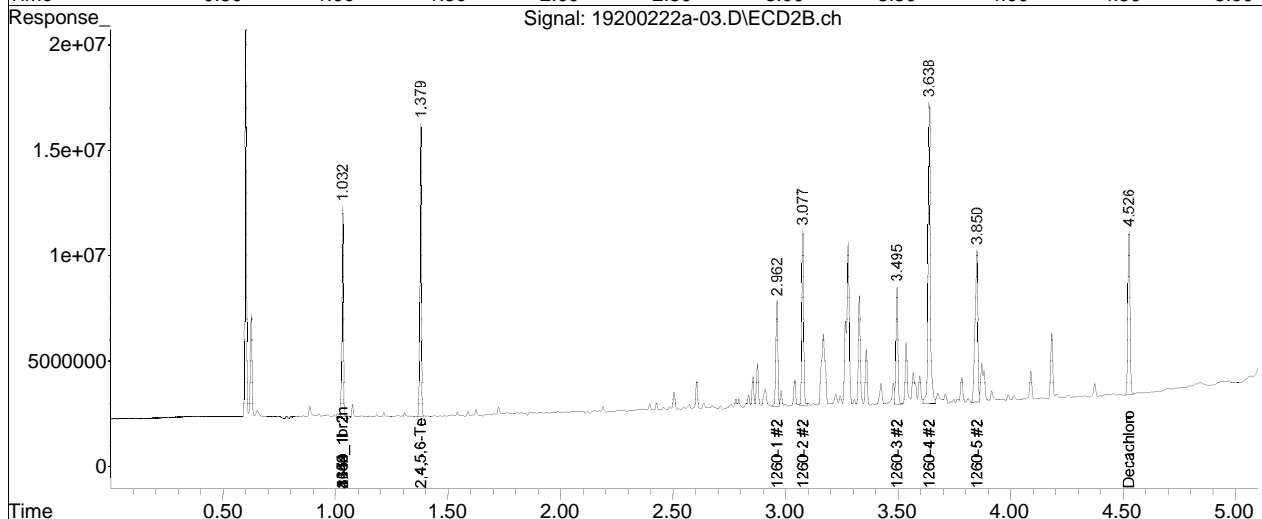
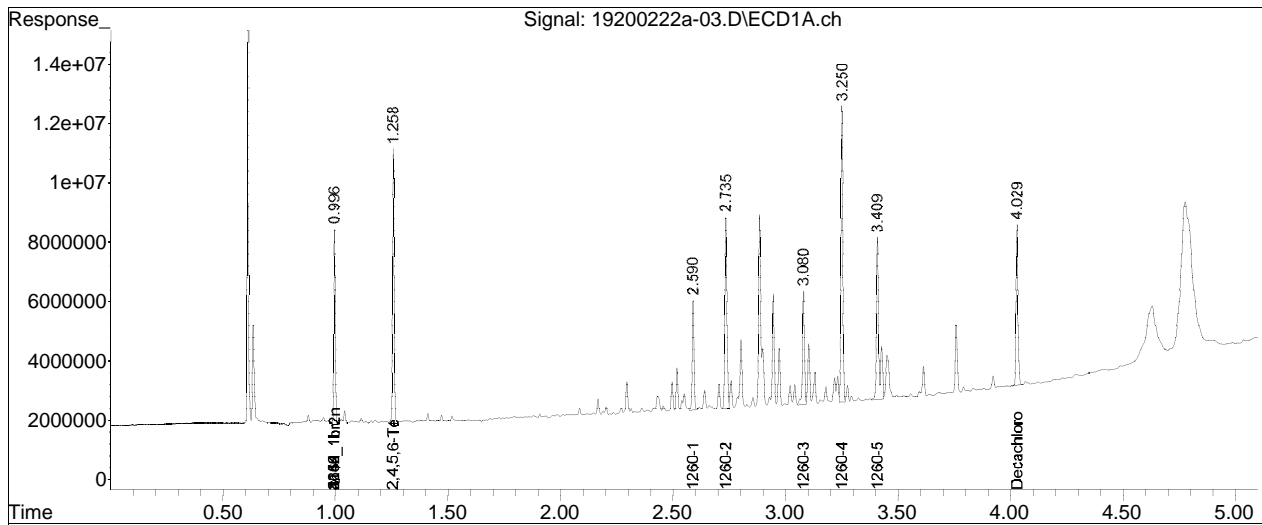
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 11:06 am
Operator : pest19:cw
Sample : 12007485-01,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 15:32:26 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

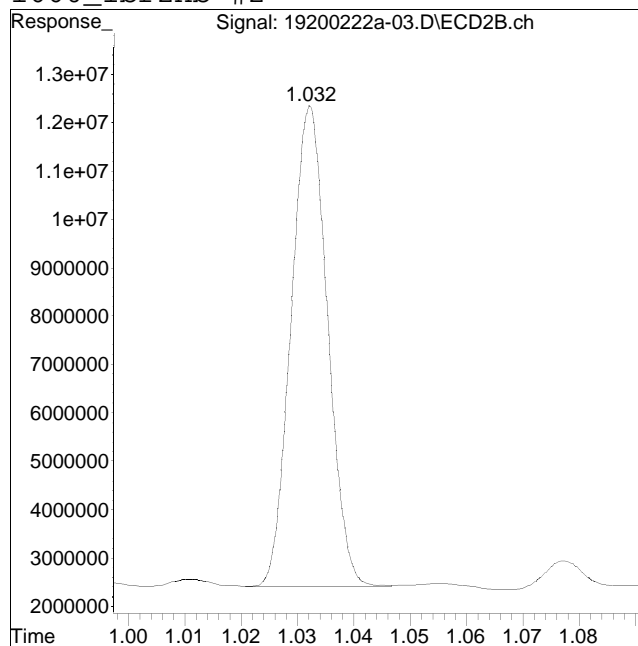
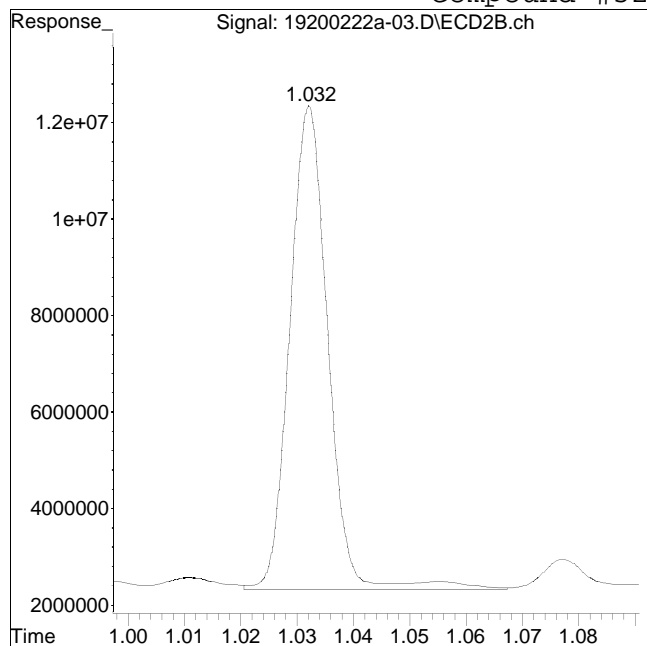


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-03.D
Date Inj'd : 2/22/2020 11:06 am
Sample : 12007485-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 47408492

Manual Peak Response = 44812323 M1

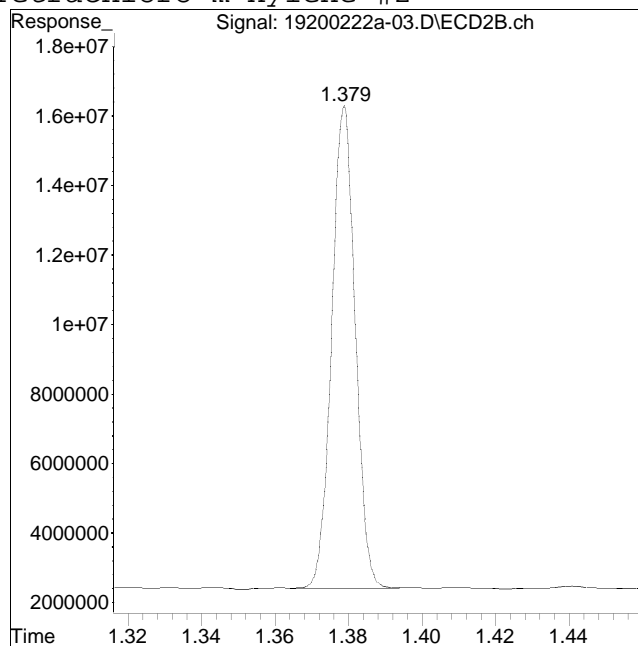
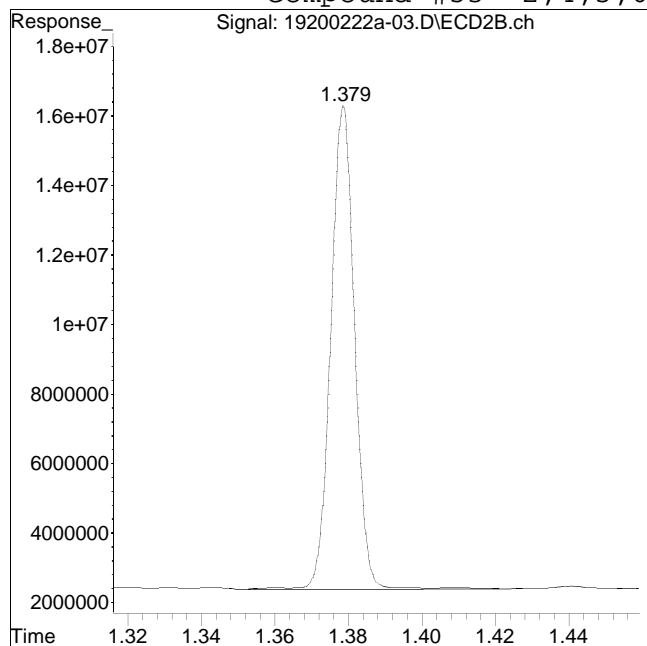
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-03.D
Date Inj'd : 2/22/2020 11:06 am
Sample : 12007485-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 63147586

Manual Peak Response = 61464923 M4

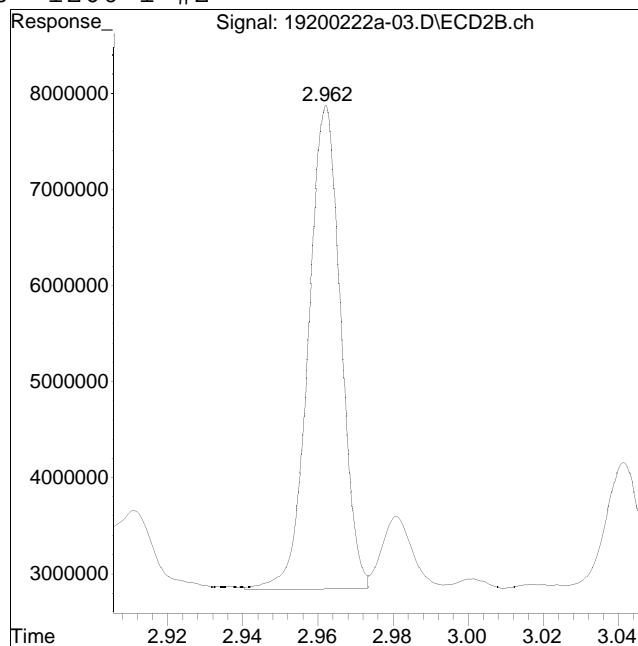
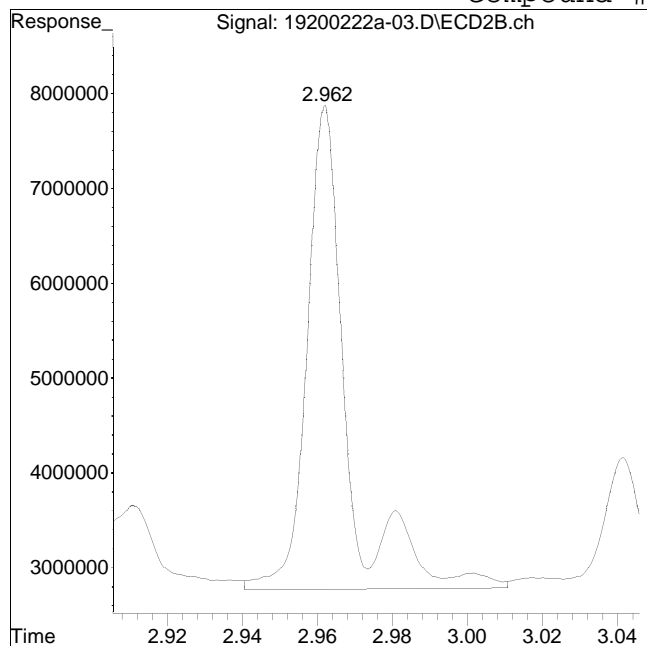
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-03.D
Date Inj'd : 2/22/2020 11:06 am
Sample : 12007485-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #60: 1260-1 #2



Original Peak Response = 37640143

Manual Peak Response = 30030093 M1

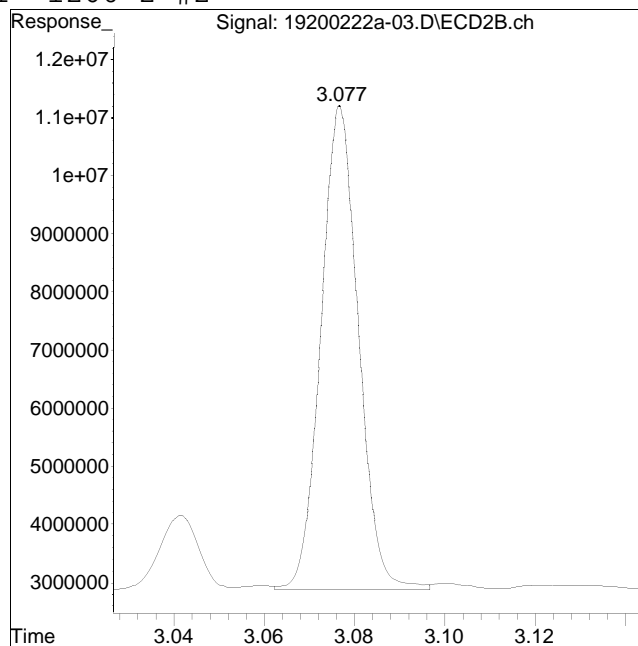
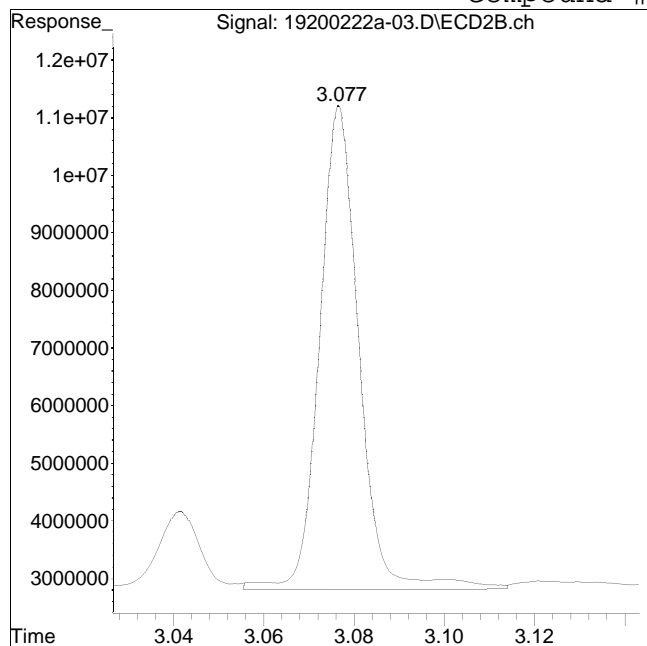
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-03.D
Date Inj'd : 2/22/2020 11:06 am
Sample : 12007485-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #61: 1260-2 #2



Original Peak Response = 51367097

Manual Peak Response = 48086597 M4

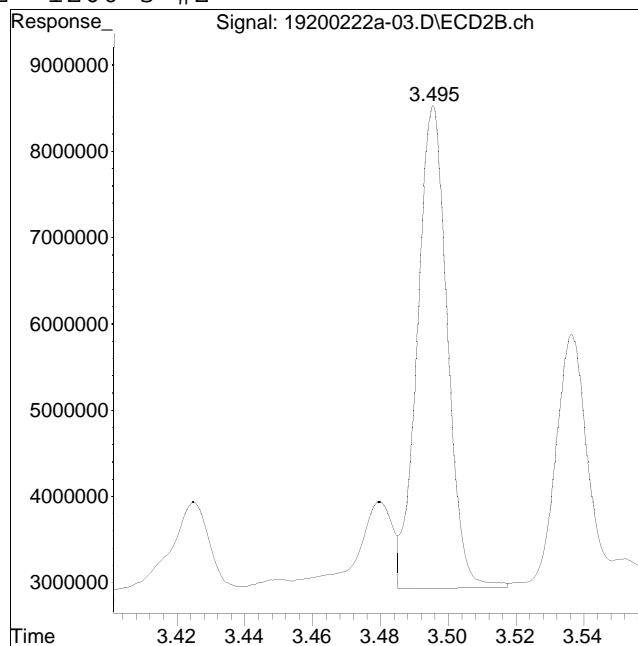
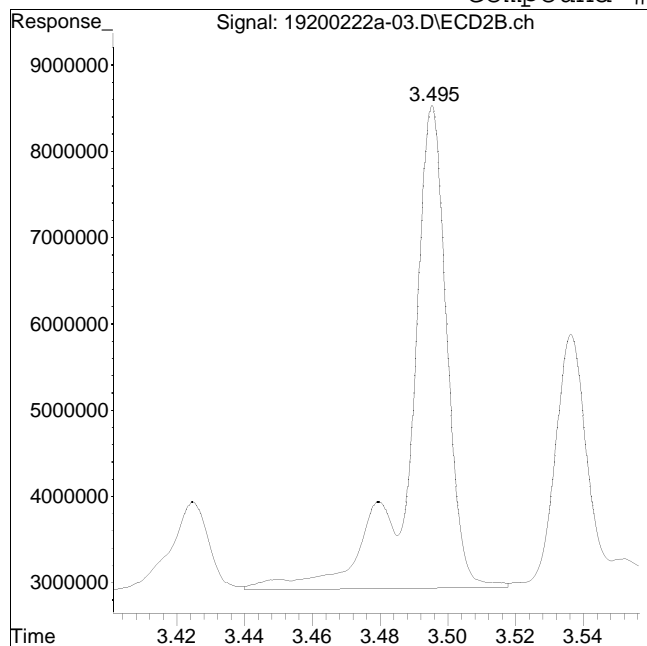
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-03.D
Date Inj'd : 2/22/2020 11:06 am
Sample : 12007485-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #62: 1260-3 #2



Original Peak Response = 42653844

Manual Peak Response = 34427190 M1

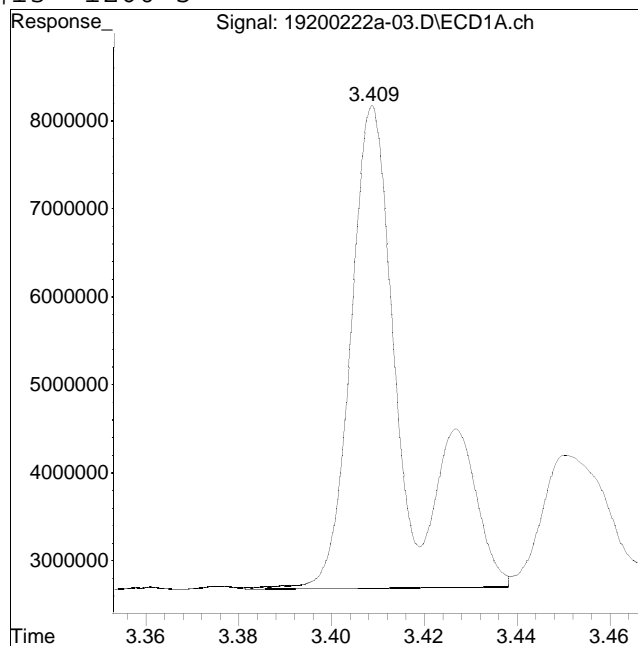
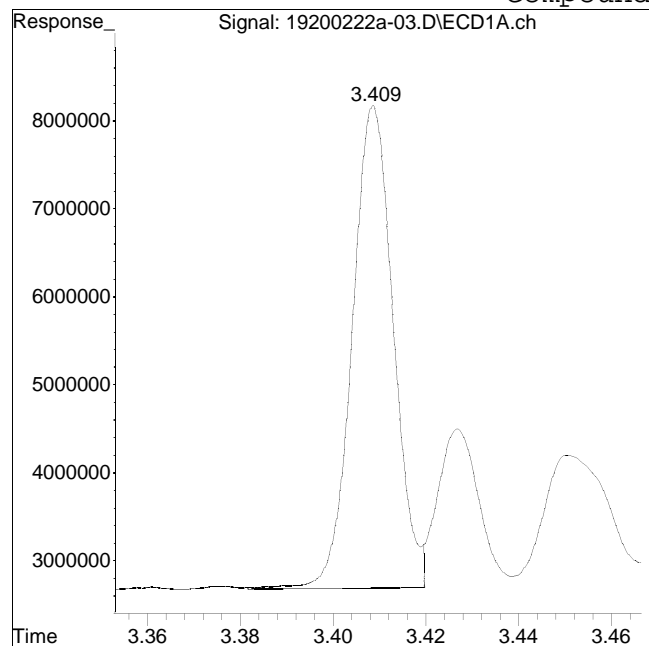
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-03.D
Date Inj'd : 2/22/2020 11:06 am
Sample : 12007485-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #13: 1260-5



Original Peak Response = 33541736

Manual Peak Response = 44731145 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-06.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:26 am
 Operator : pest19:cw
 Sample : 12007485-03,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:41:53 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.033	34994283	50767067	250.000	250.000
Standard Area 1 : #1 = 23924273					Recovery =	146.27%
Standard Area 1 : #2 = 35432560					Recovery =	143.28%
14) i 2154_1br2nb	0.991	1.033	34994283	50767067	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	34994283	50767067	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	34994283	50767067	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	34994283	50767067	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.378	49725372	69239336	272.292	267.032
Spiked Amount 500.000	Range 30 - 150		Recovery =		54.46%	53.41%
3) s Decachlorobi	4.006	4.511	34475906	63862988	235.352	291.998
Spiked Amount 500.000	Range 30 - 150		Recovery =		47.07%	58.40%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.571	2.954	9774814	14999624	1059.839M4	1098.345M4
10) l2 1260-2	2.715	3.068	19728252	23478162	1422.620M4	1465.063M4
11) l2 1260-3	3.059	3.486	8425005	13882825	933.593M4	993.902
12) l2 1260-4	3.229	3.627	21883744	32604273	1153.261M4	1109.224M1
13) l2 1260-5	3.386	3.839	18959602	25122096	1382.755M1	1230.323

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-06.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:26 am
 Operator : pest19:cw
 Sample : 12007485-03,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:41:53 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1			78771417	110.1E6	5952.067	5896.857
Average 1260-1					1190.413	1179.371
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-06.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:26 am
 Operator : pest19:cw
 Sample : 12007485-03,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:41:53 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-06.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:26 am
 Operator : pest19:cw
 Sample : 12007485-03,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:41:53 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

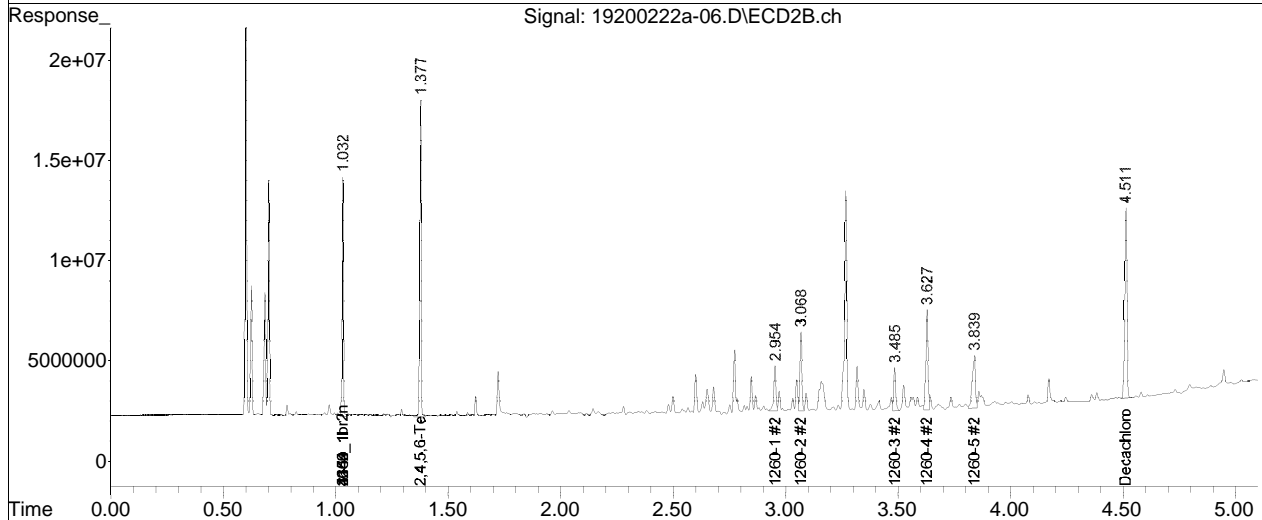
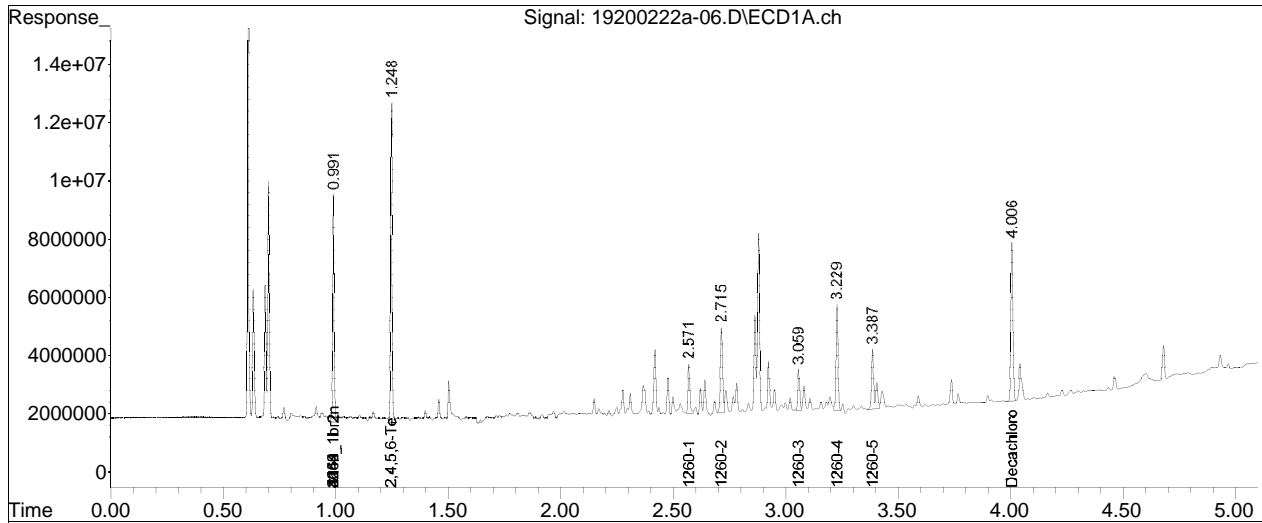
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 11:26 am
Operator : pest19:cw
Sample : 12007485-03,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 15:41:53 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

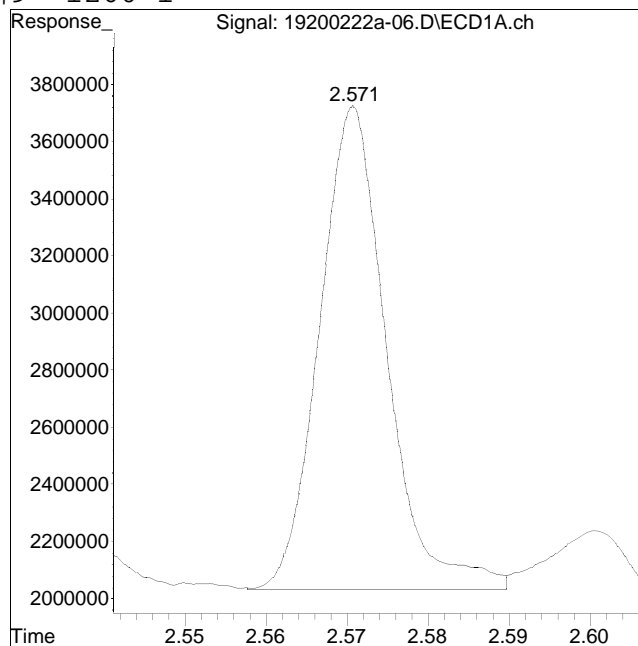
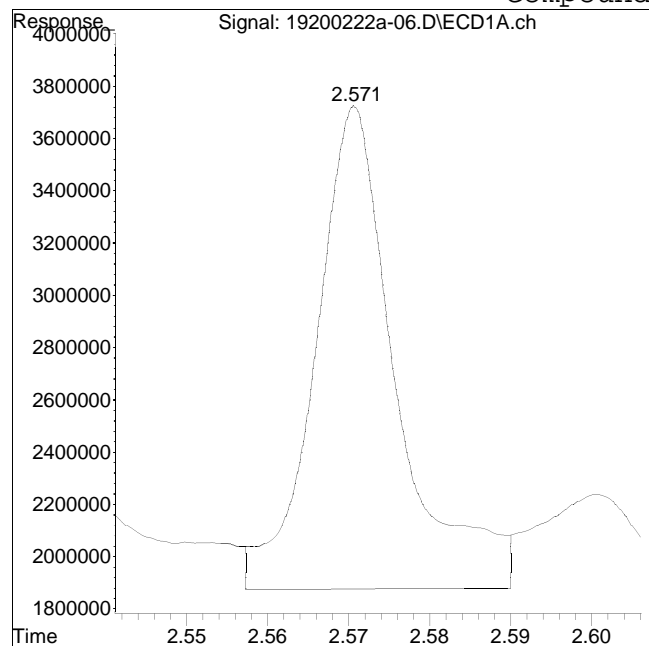


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-06.D
Date Inj'd : 2/22/2020 11:26 am
Sample : 12007485-03,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #9: 1260-1



Original Peak Response = 12780598

Manual Peak Response = 9774814 M4

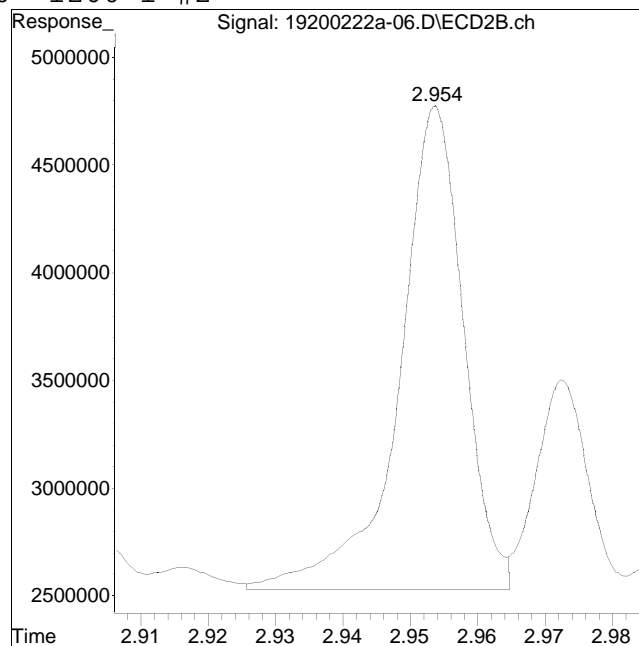
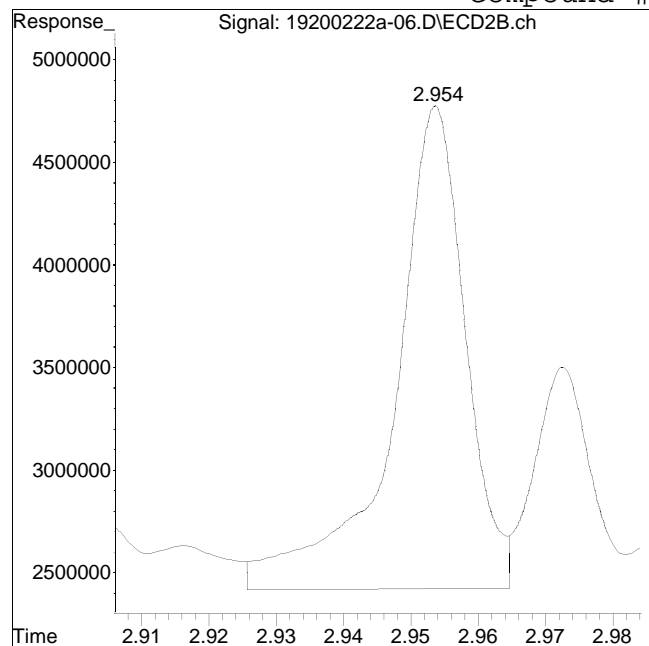
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-06.D
Date Inj'd : 2/22/2020 11:26 am
Sample : 12007485-03,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #60: 1260-1 #2



Original Peak Response = 17463745

Manual Peak Response = 14999624 M4

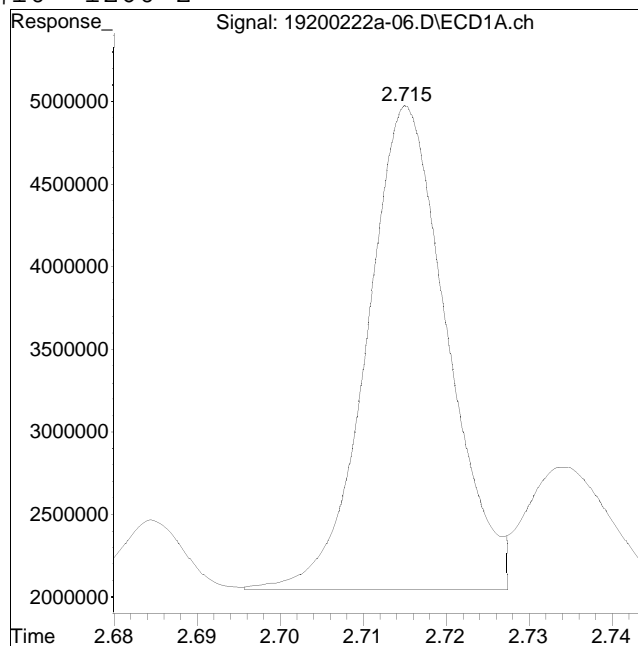
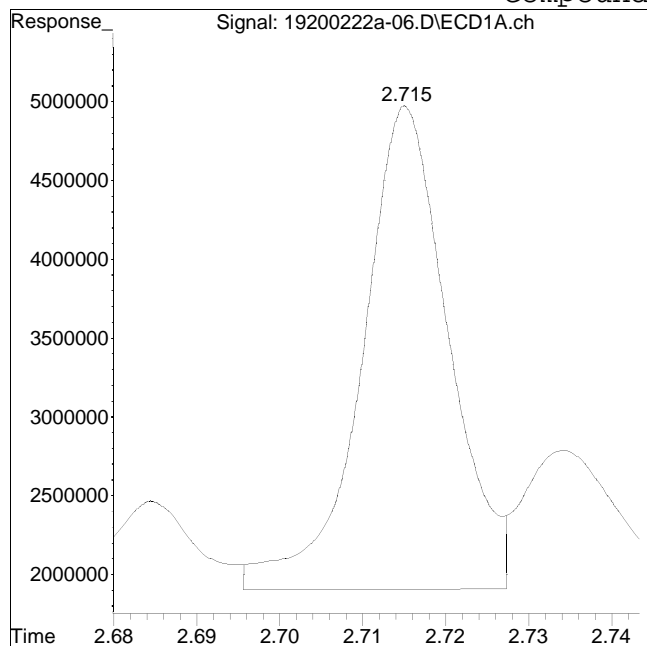
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-06.D
Date Inj'd : 2/22/2020 11:26 am
Sample : 12007485-03,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #10: 1260-2



Original Peak Response = 22237216

Manual Peak Response = 19728252 M4

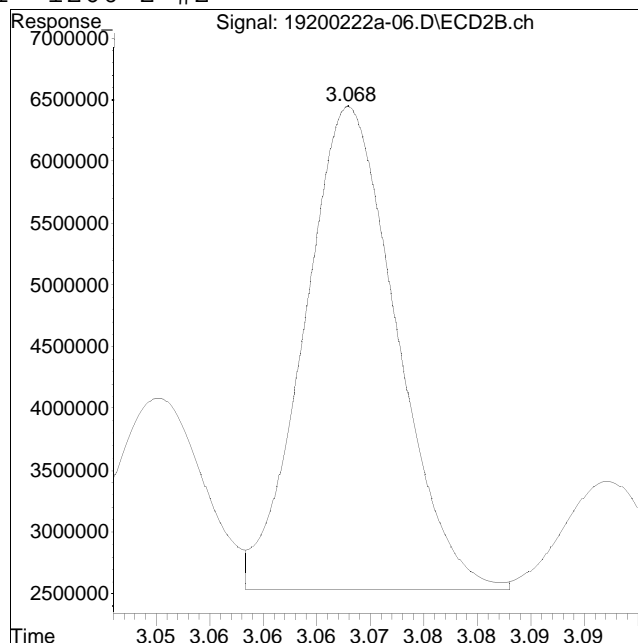
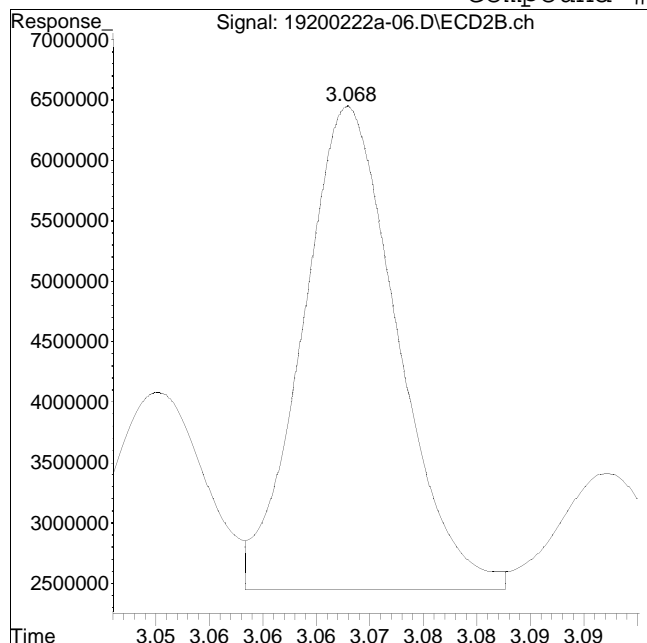
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-06.D
Date Inj'd : 2/22/2020 11:26 am
Sample : 12007485-03,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #61: 1260-2 #2



Original Peak Response = 24690918

Manual Peak Response = 23478162 M4

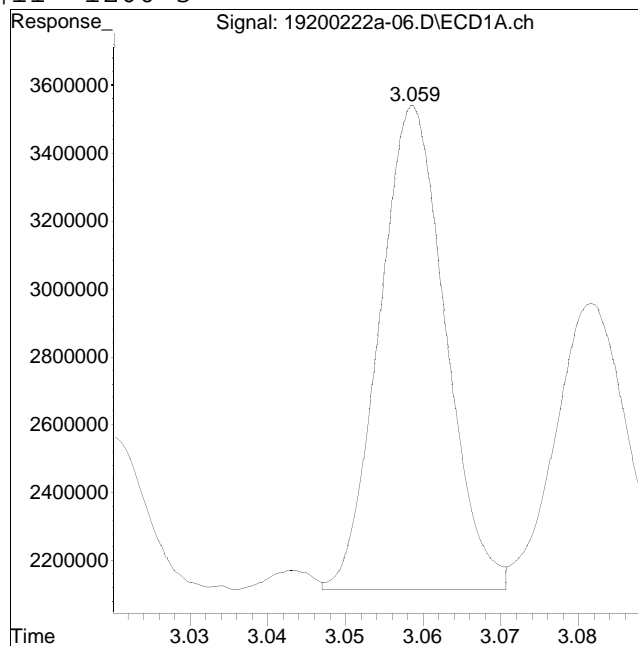
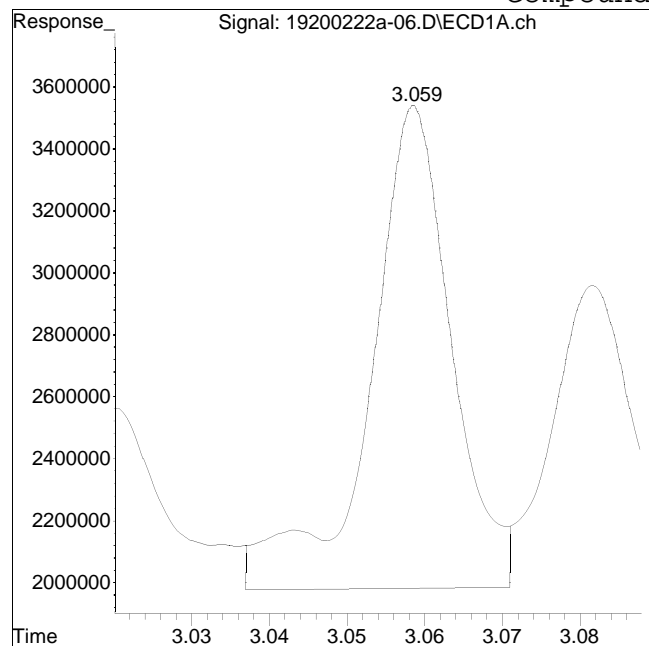
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-06.D
Date Inj'd : 2/22/2020 11:26 am
Sample : 12007485-03,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #11: 1260-3



Original Peak Response = 11355857

Manual Peak Response = 8425005 M4

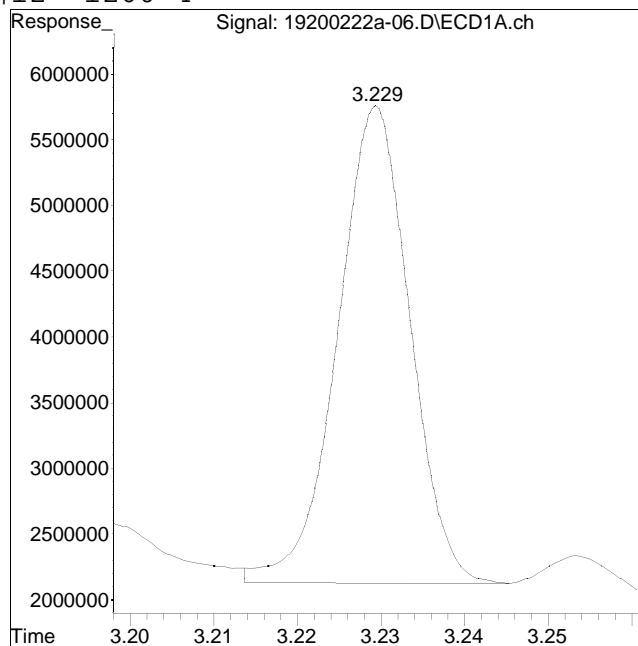
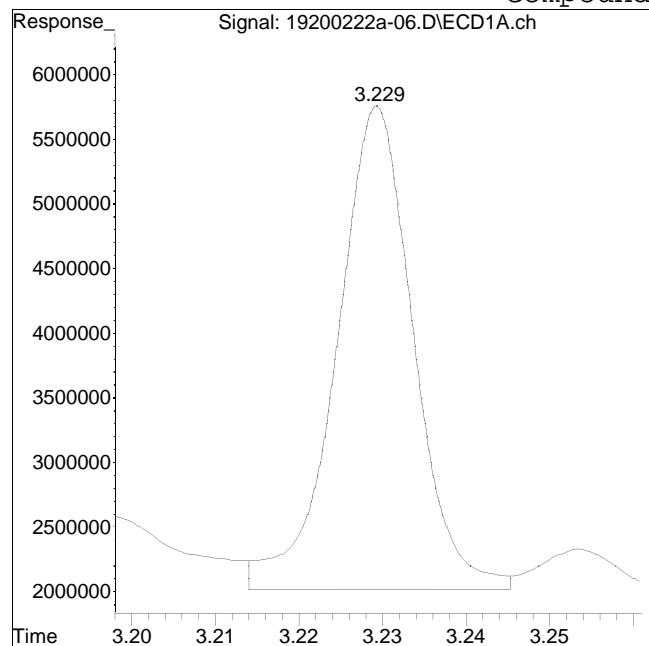
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-06.D
Date Inj'd : 2/22/2020 11:26 am
Sample : 12007485-03,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #12: 1260-4



Original Peak Response = 23877202

Manual Peak Response = 21883744 M4

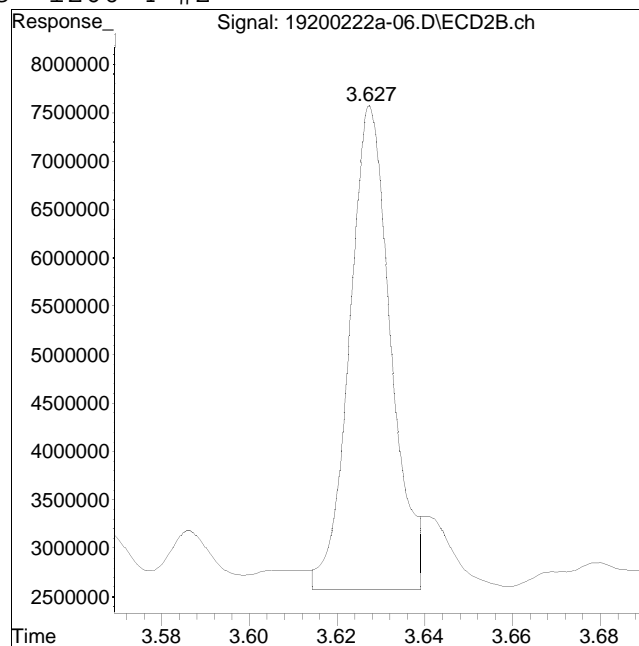
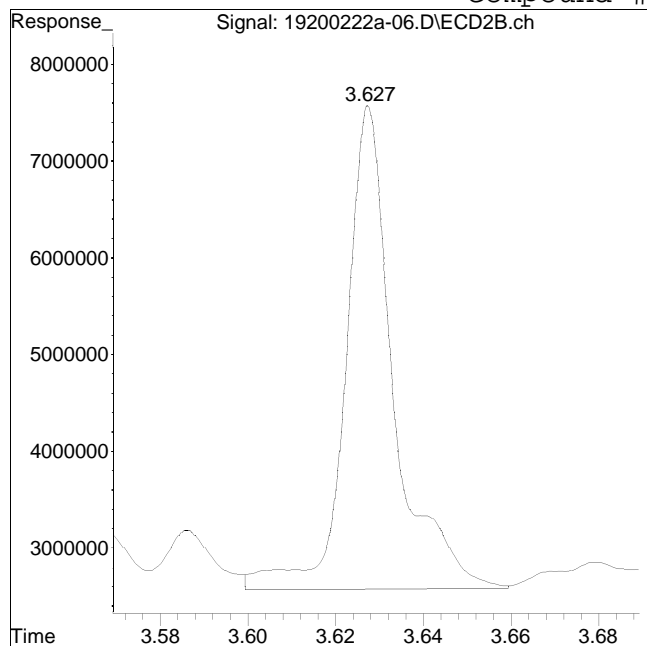
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-06.D
Date Inj'd : 2/22/2020 11:26 am
Sample : 12007485-03,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #63: 1260-4 #2



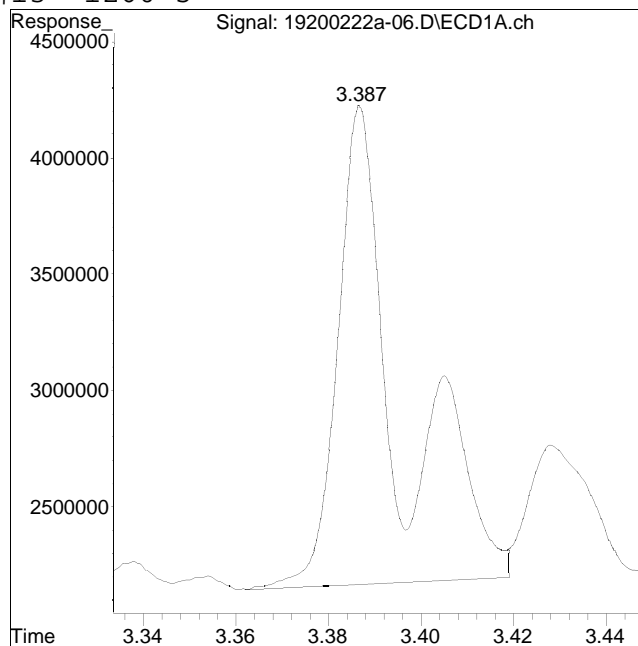
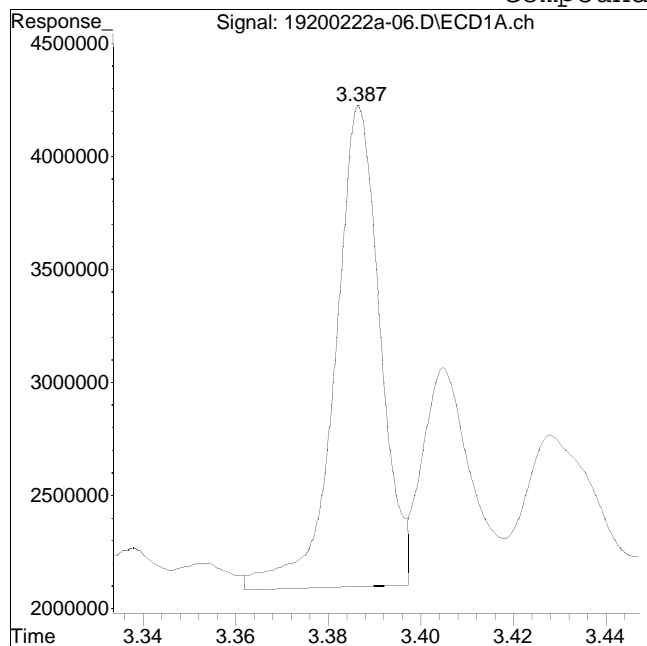
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-06.D
Date Inj'd : 2/22/2020 11:26 am
Sample : 12007485-03,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #13: 1260-5



Original Peak Response = 14342707

Manual Peak Response = 18959602 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:33 am
 Operator : pest19:cw
 Sample : 12007485-04,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:45:18 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.991	1.032	33698773	48936742	250.000M4	250.000M1
Standard Area 1 : #1 = 23924273			Recovery = 140.86%			
Standard Area 1 : #2 = 35432560			Recovery = 138.11%			
14) i 2154_1br2nb	0.991	1.032	33698773	48936742	250.000M4	250.000M1
23) i 4268_1br2nb	0.991	1.032	33698773	48936742	250.000M4	250.000M1
34) i 1248_1br2nb	0.991	1.032	33698773	48936742	250.000M4	250.000M1
40) i 3262_1br2nb	0.991	1.032	33698773	48936742	250.000M4	250.000M1
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.377	40140950	55219838	228.259M4	220.929M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 45.65% 44.19%			
3) s Decachlorobi	4.005	4.511	29077561	55869106	206.131	265.002
Spiked Amount 500.000 Range 30 - 150			Recovery = 41.23% 53.00%			
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.570	2.953	28076541	36627029	3161.243	2782.321M1
10) l2 1260-2	2.715	3.068	53907239	64440287	4036.736	4171.543M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:33 am
 Operator : pest19:cw
 Sample : 12007485-04,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:45:18 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) 12 1260-3	3.058	3.485	30892069	41162175	3554.817	3057.108
12) 12 1260-4	3.229	3.628	70643524	108.1E6	3865.995	3815.553
13) 12 1260-5	3.386	3.839	60564993	78478399	4586.915M1	3987.129
Sum 1260-1			244.1E6	328.8E6	19205.705	17813.655
Average 1260-1					3841.141	3562.731
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:33 am
 Operator : pest19:cw
 Sample : 12007485-04,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:45:18 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:33 am
 Operator : pest19:cw
 Sample : l2007485-04,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:45:18 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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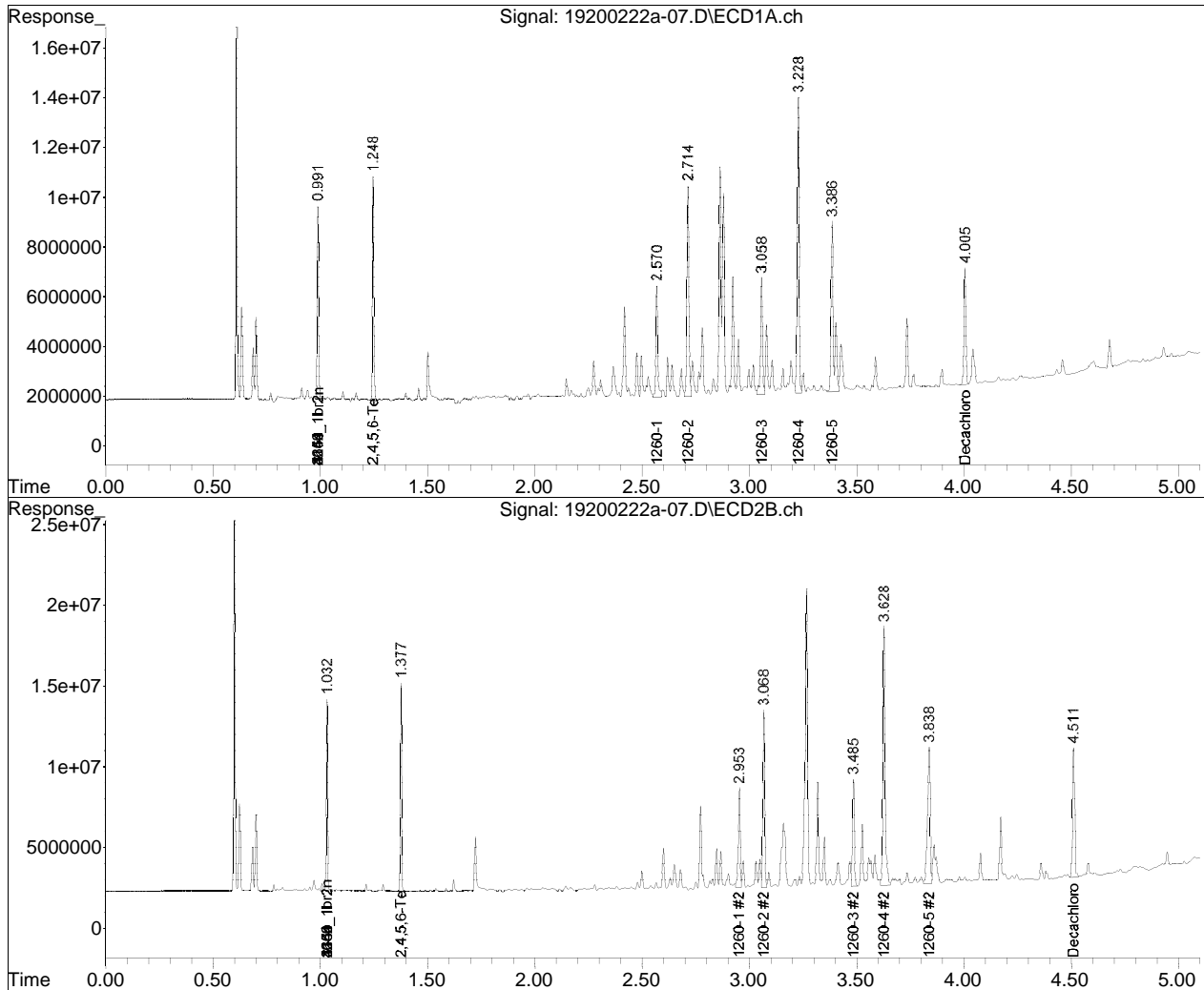
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 11:33 am
Operator : pest19:cw
Sample : 12007485-04,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 15:45:18 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

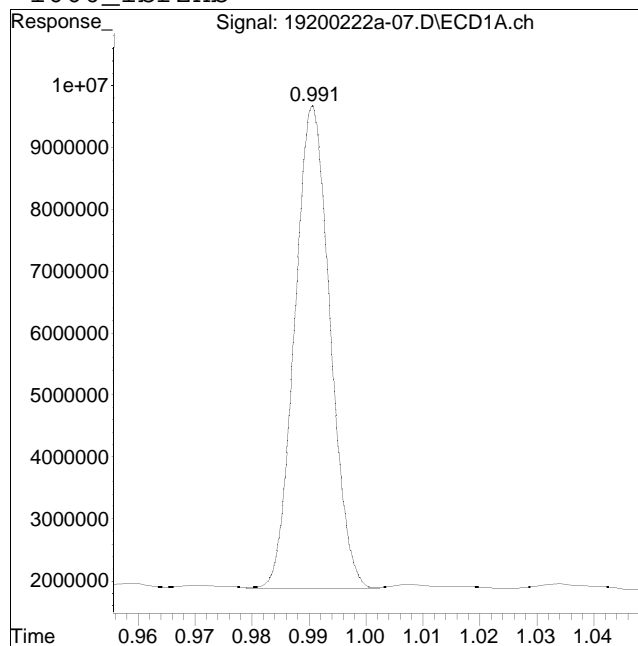
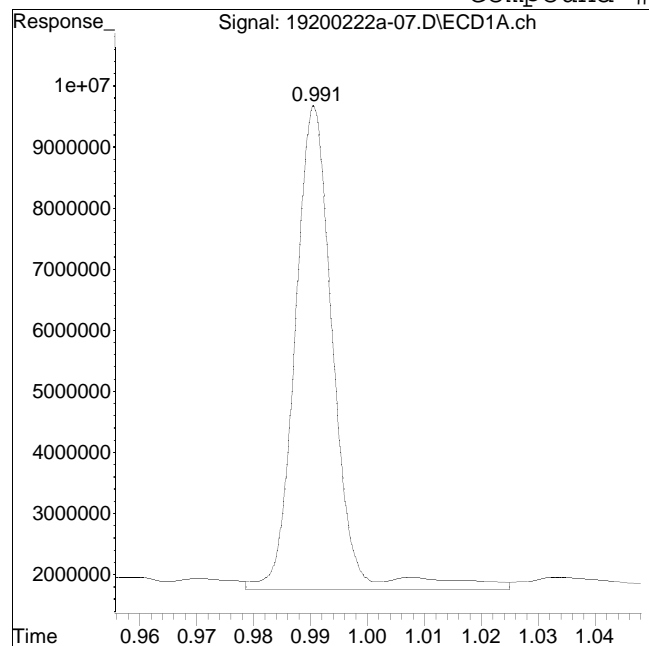


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-07.D
Date Inj'd : 2/22/2020 11:33 am
Sample : 12007485-04,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #1: 1660_1br2nb



Original Peak Response = 37522405

Manual Peak Response = 33698773 M4

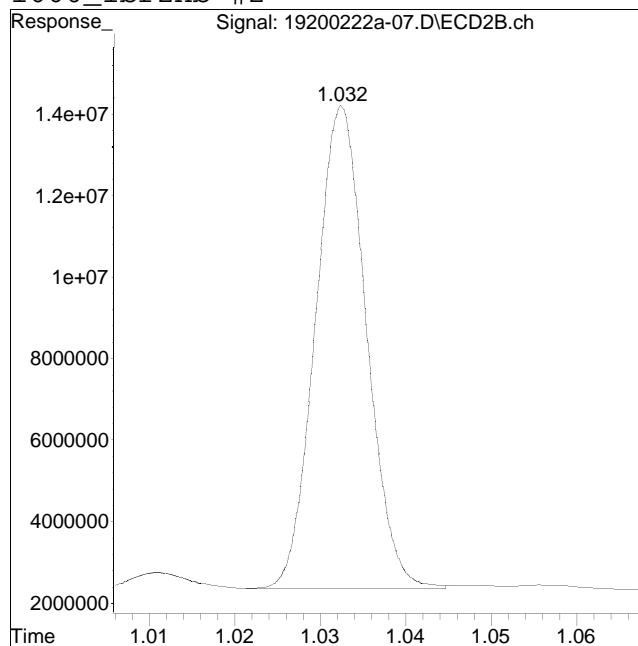
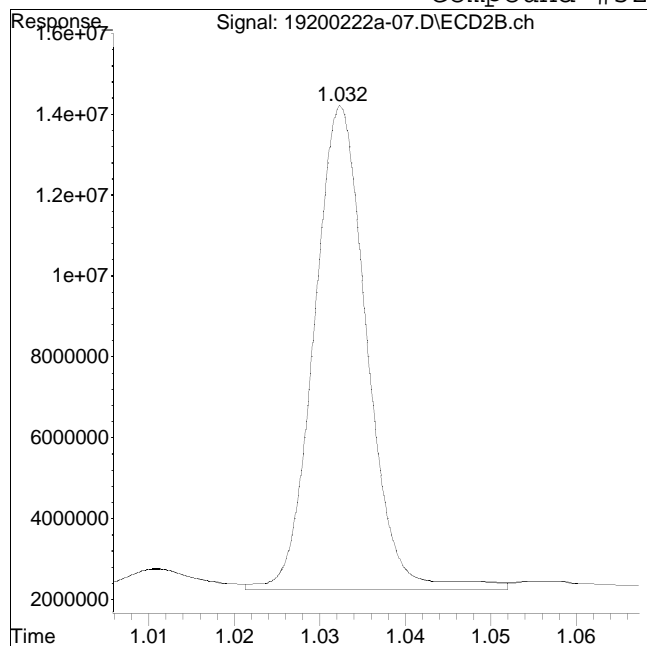
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-07.D
Date Inj'd : 2/22/2020 11:33 am
Sample : 12007485-04,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 51394787

Manual Peak Response = 48936742 M1

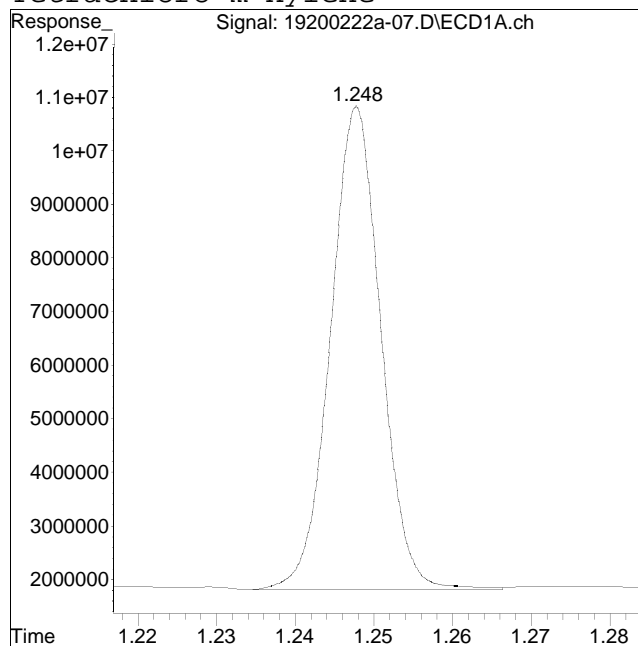
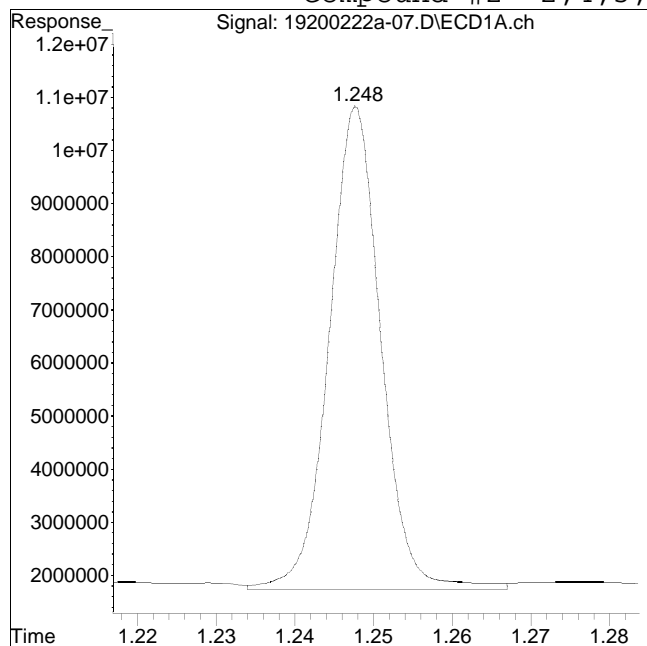
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-07.D
Date Inj'd : 2/22/2020 11:33 am
Sample : 12007485-04,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 41705995

Manual Peak Response = 40140950 M4

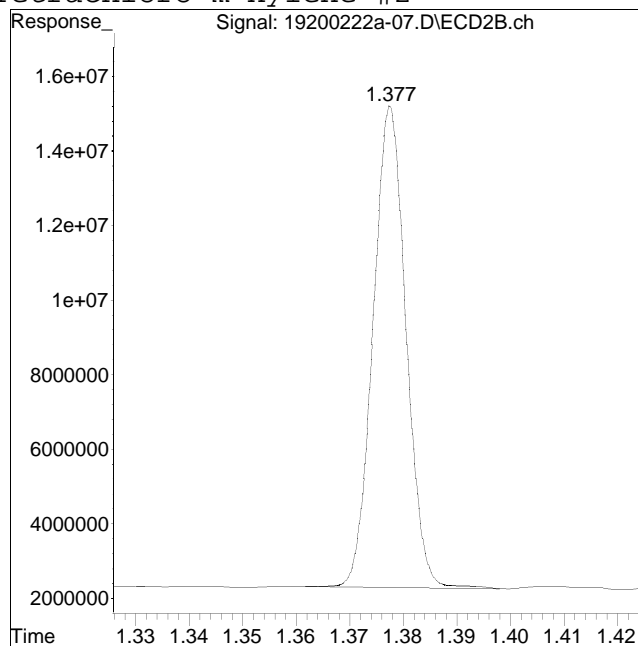
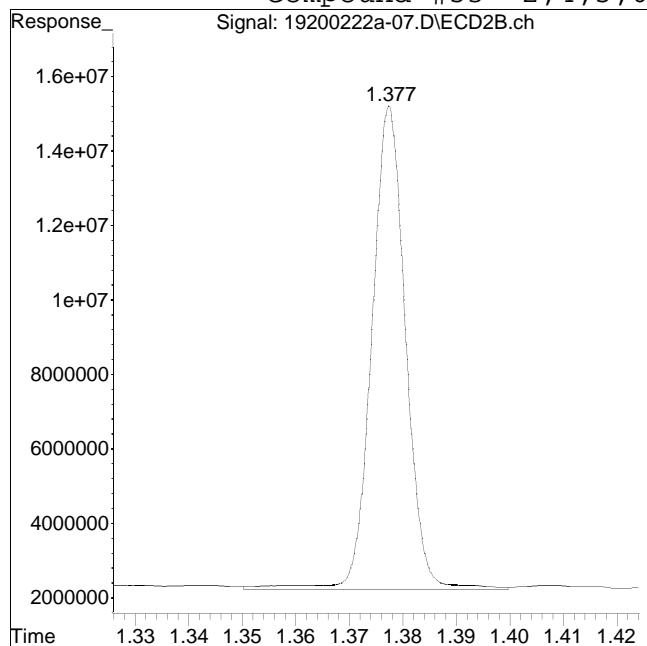
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-07.D
Date Inj'd : 2/22/2020 11:33 am
Sample : 12007485-04,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 57474101

Manual Peak Response = 55219838 M4

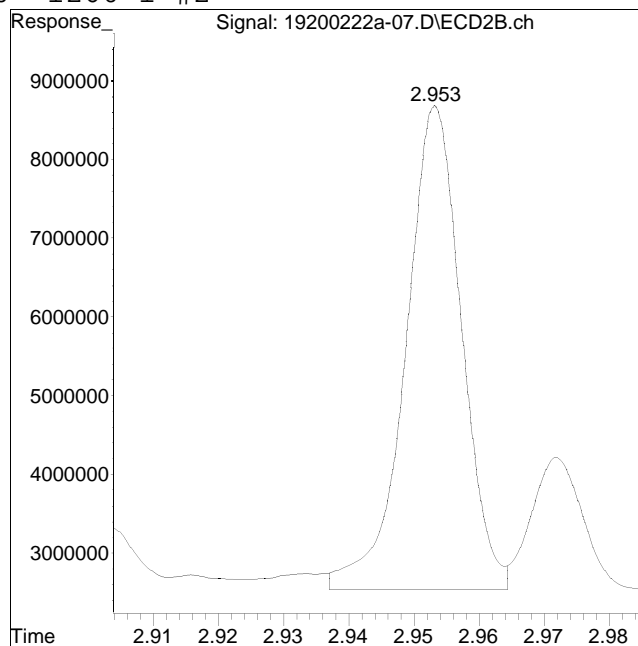
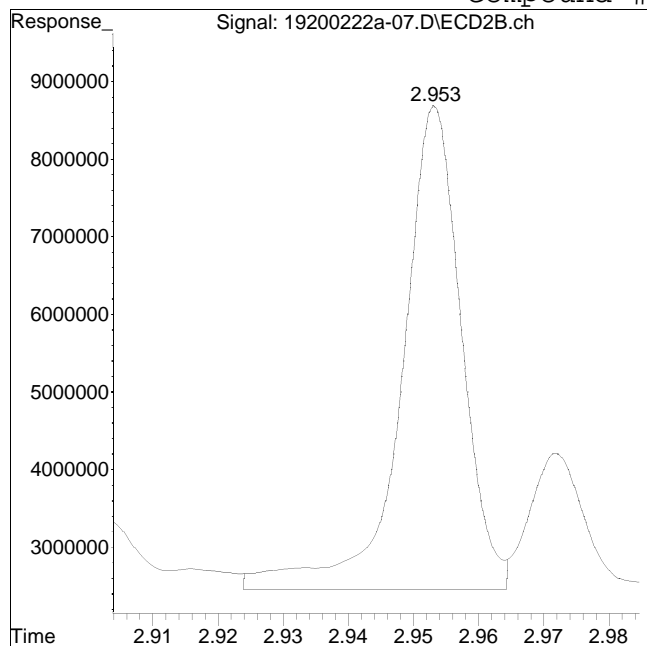
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-07.D
Date Inj'd : 2/22/2020 11:33 am
Sample : 12007485-04,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #60: 1260-1 #2



Original Peak Response = 39898228

Manual Peak Response = 36627029 M1

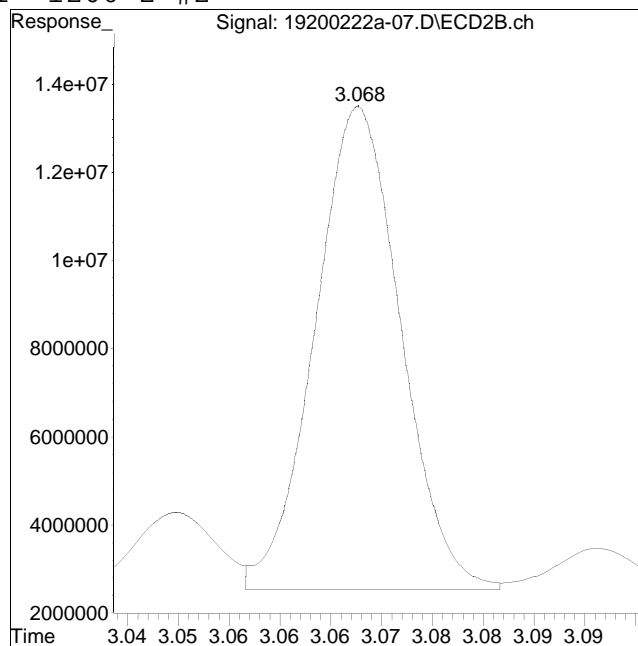
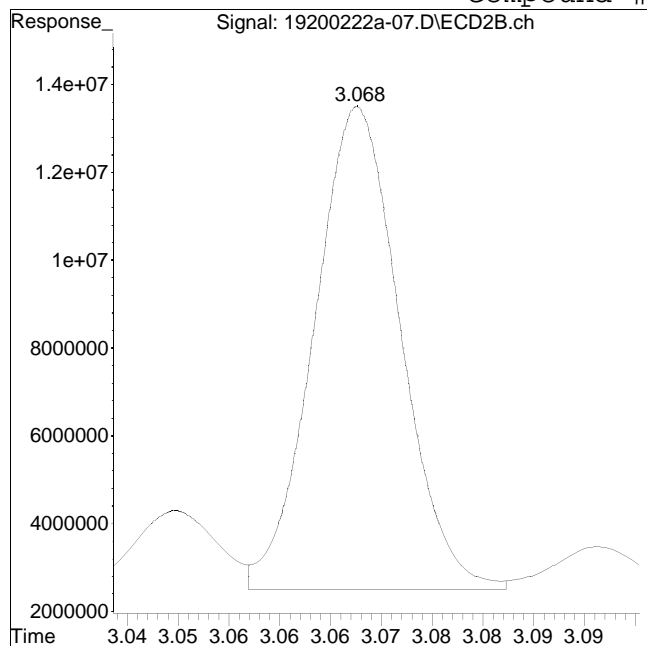
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-07.D
Date Inj'd : 2/22/2020 11:33 am
Sample : 12007485-04,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #61: 1260-2 #2



Original Peak Response = 65116975

Manual Peak Response = 64440287 M4

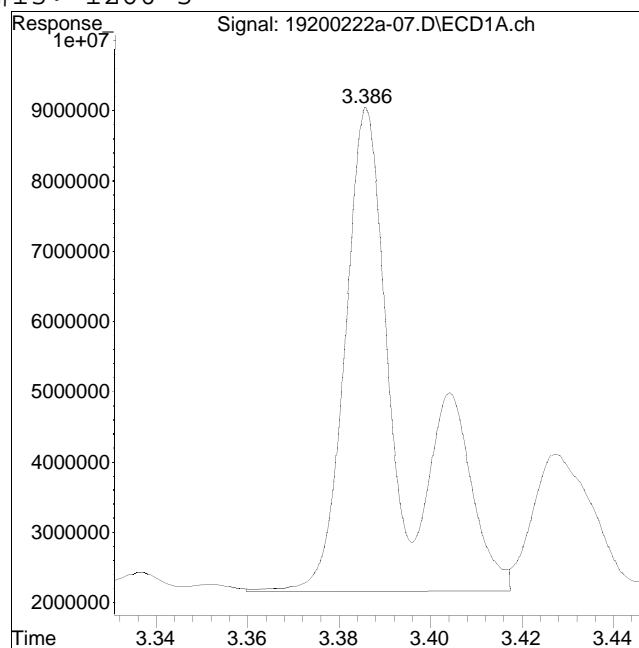
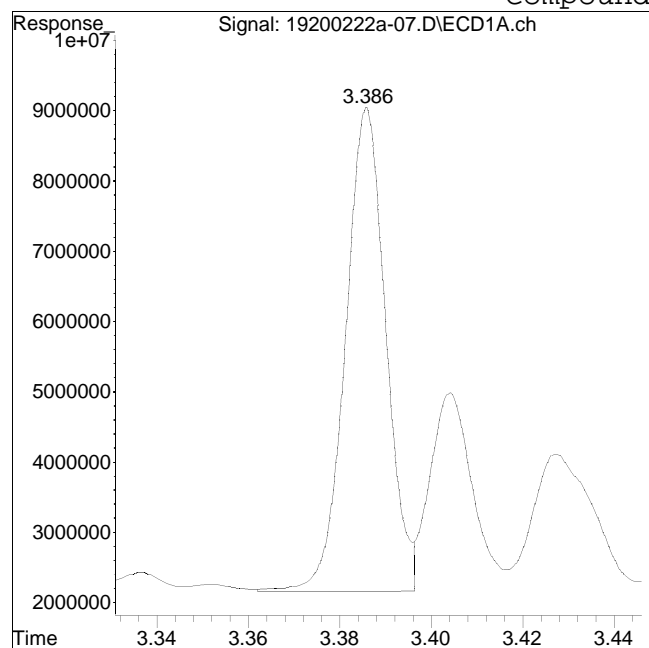
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-07.D
Date Inj'd : 2/22/2020 11:33 am
Sample : 12007485-04,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #13: 1260-5



Original Peak Response = 42100610

Manual Peak Response = 60564993 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:40 am
 Operator : pest19:cw
 Sample : l2007485-05,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:49:00 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	0.990	1.032	33247085	48452134	250.000M4	250.000M4
	Standard Area 1 : #1 = 23924273				Recovery = 138.97%		
	Standard Area 1 : #2 = 35432560				Recovery = 136.74%		
14) i	2154_1br2nb	0.990	1.032	33247085	48452134	250.000M4	250.000M4
23) i	4268_1br2nb	0.990	1.032	33247085	48452134	250.000M4	250.000M4
34) i	1248_1br2nb	0.990	1.032	33247085	48452134	250.000M4	250.000M4
40) i	3262_1br2nb	0.990	1.032	33247085	48452134	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.248	1.377	48295231	67922438	278.358M4	274.468M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 55.67%		54.89%	
3) s	Decachlorobi	4.006	4.510	34456046	55899921	247.577	267.800M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 49.52%		53.56%	
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	2.570	2.954	15482162	22617720	1766.877M4	1735.308M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:40 am
 Operator : pest19:cw
 Sample : 12007485-05,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:49:00 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12	1260-2	2.714	3.068	36317870	42864187	2756.539M4	2802.567M4
11) 12	1260-3	3.058	3.485	17833537	25497073	2080.024M4	1912.604M4
12) 12	1260-4	3.228	3.627	44824444	76589825	2486.362M4	2730.141M4
13) 12	1260-5	3.386	3.839	41396599	51528259	3177.783M1	2644.100M4
	Sum 1260-1			155.9E6	219.1E6	12267.584	11824.719
	Average 1260-1					2453.517	2364.944
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:40 am
 Operator : pest19:cw
 Sample : 12007485-05,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:49:00 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 11:40 am
 Operator : pest19:cw
 Sample : 12007485-05,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:49:00 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

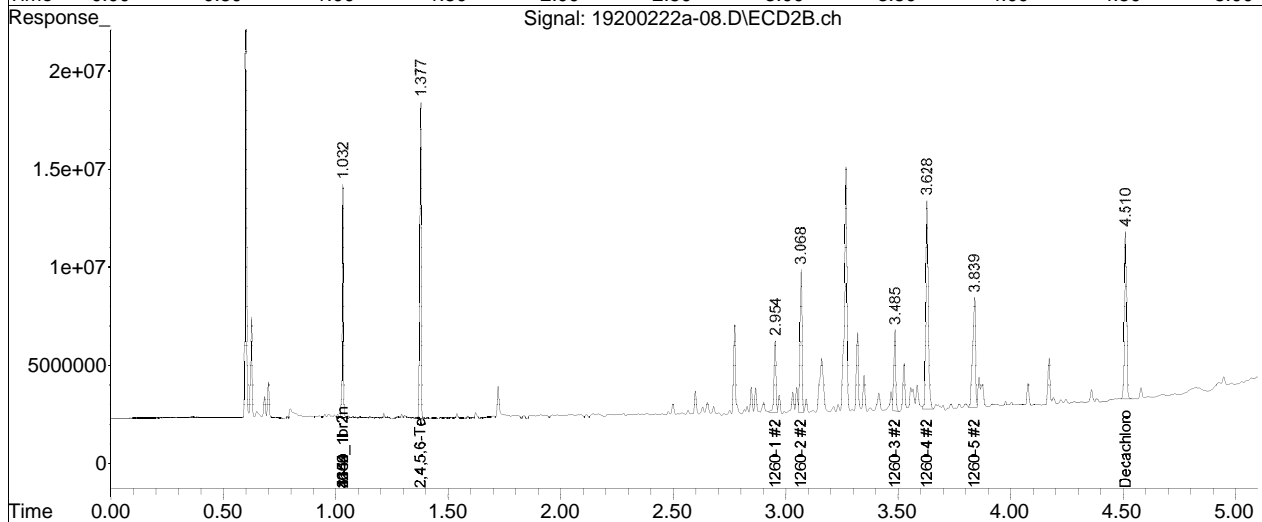
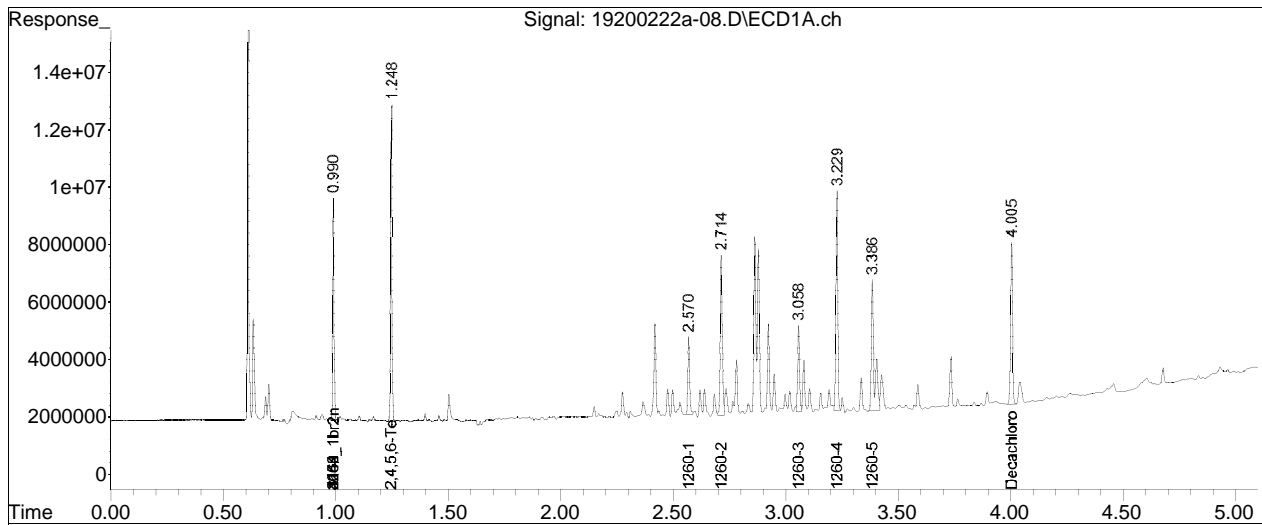
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 11:40 am
Operator : pest19:cw
Sample : 12007485-05,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 15:49:00 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

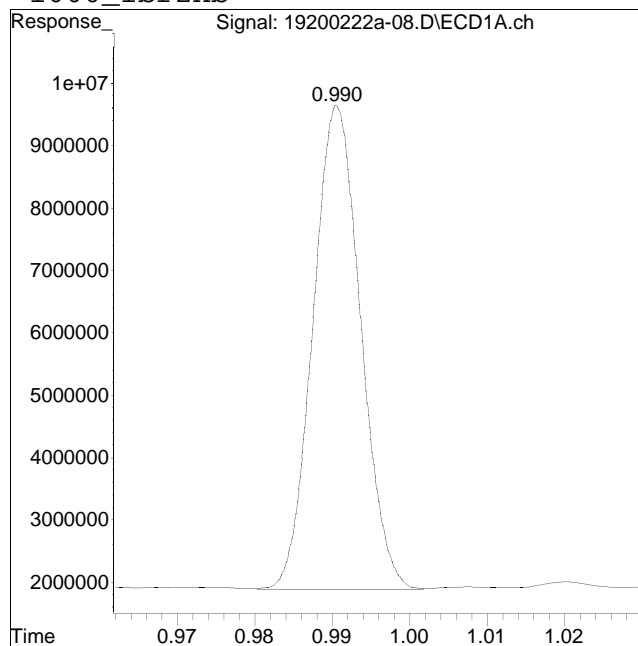
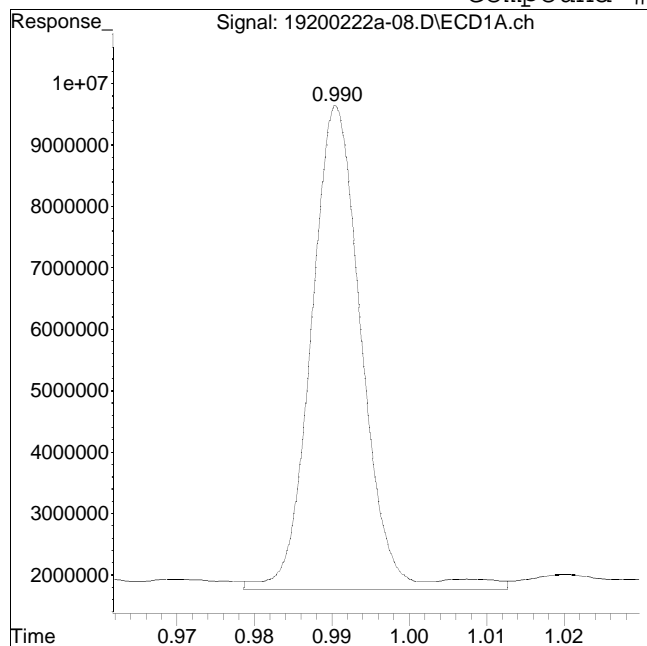


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #1: 1660_1br2nb



Original Peak Response = 35923696

Manual Peak Response = 33247085 M4

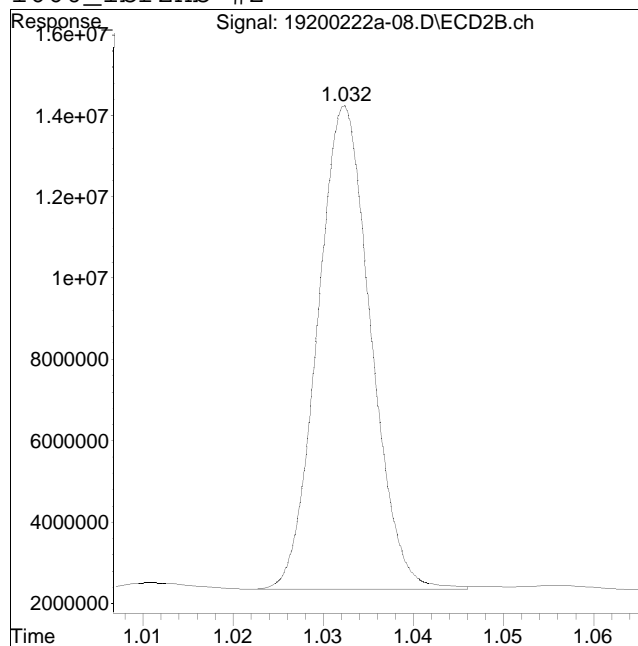
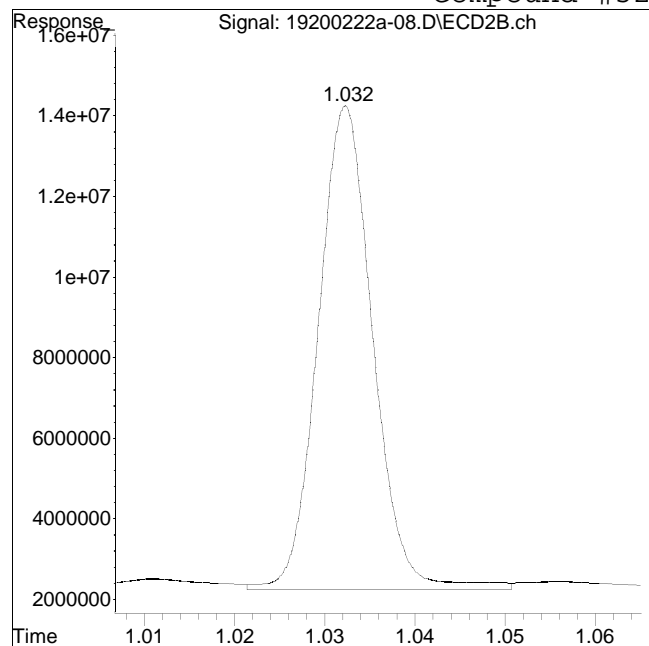
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 50623409

Manual Peak Response = 48452134 M4

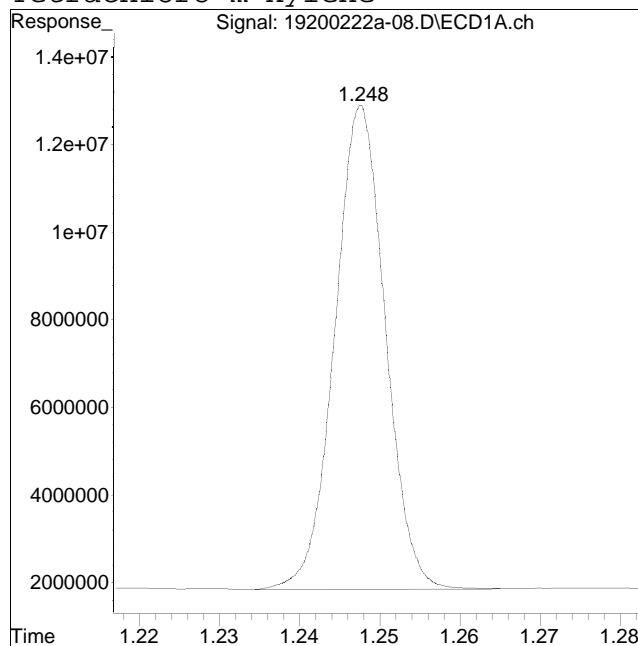
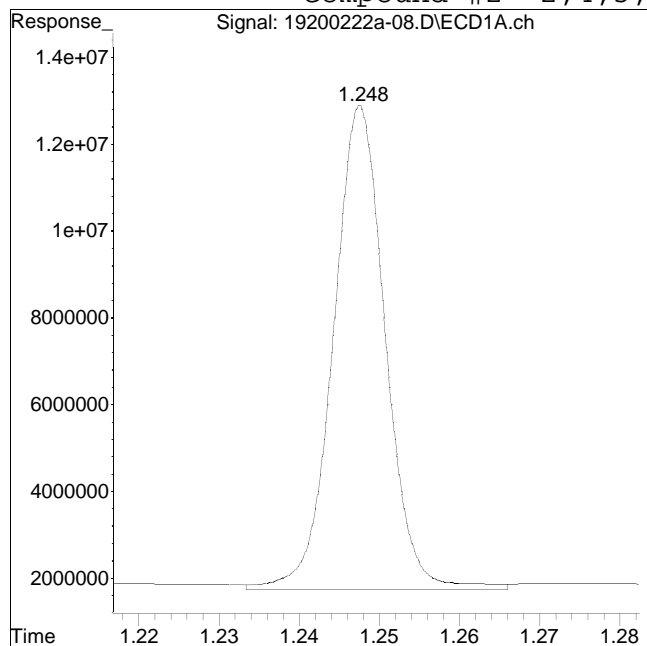
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 50459379

Manual Peak Response = 48295231 M4

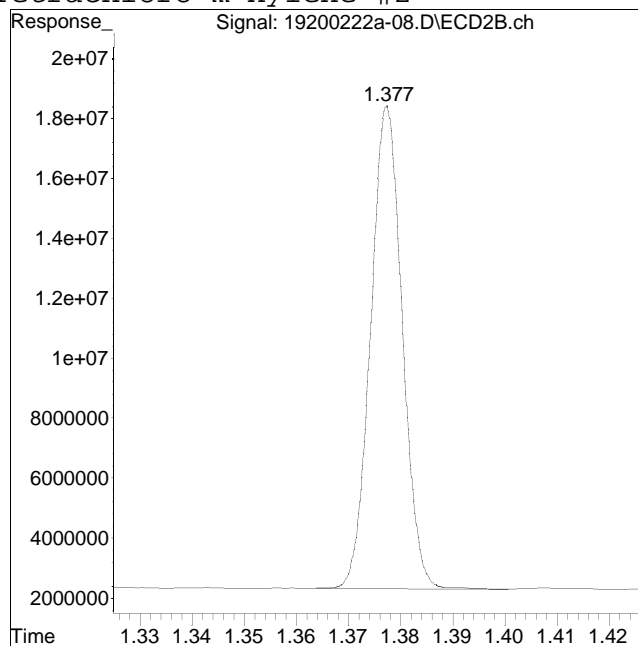
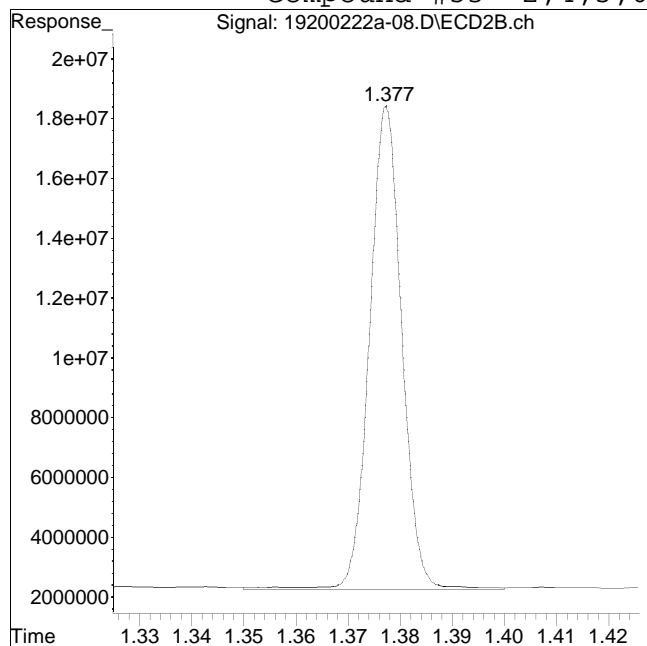
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 70087241

Manual Peak Response = 67922438 M4

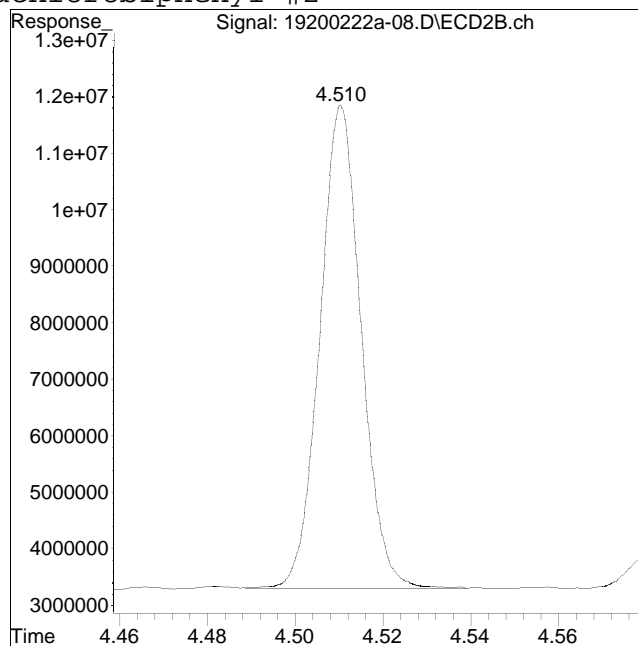
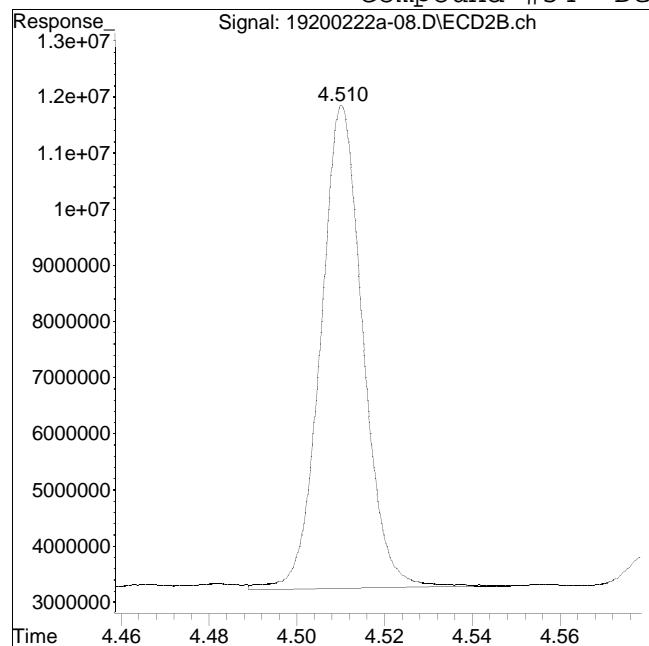
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 57586217

Manual Peak Response = 55899921 M4

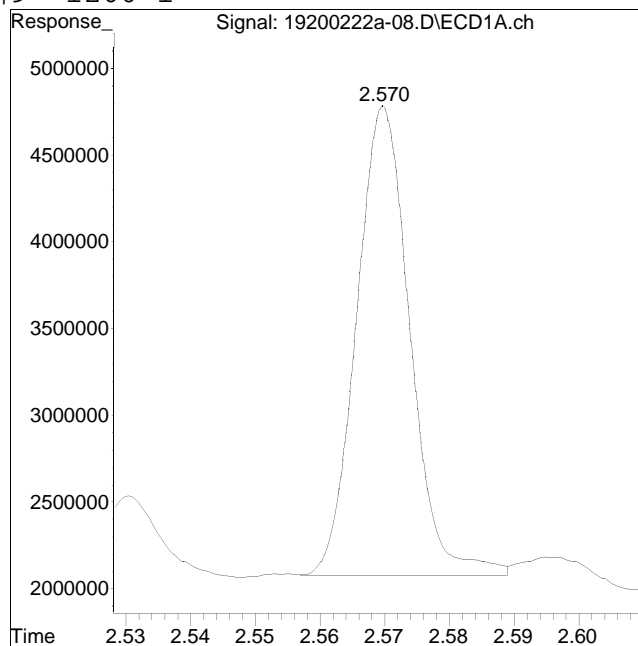
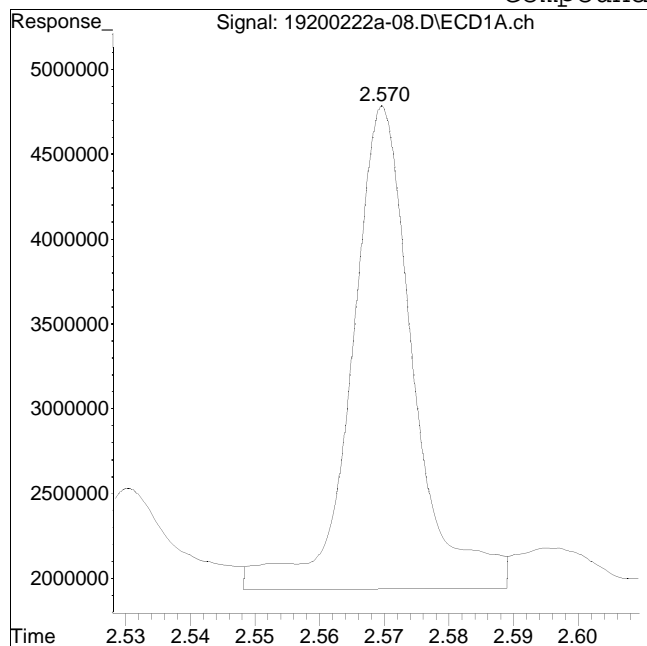
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #9: 1260-1



Original Peak Response = 18894780

Manual Peak Response = 15482162 M4

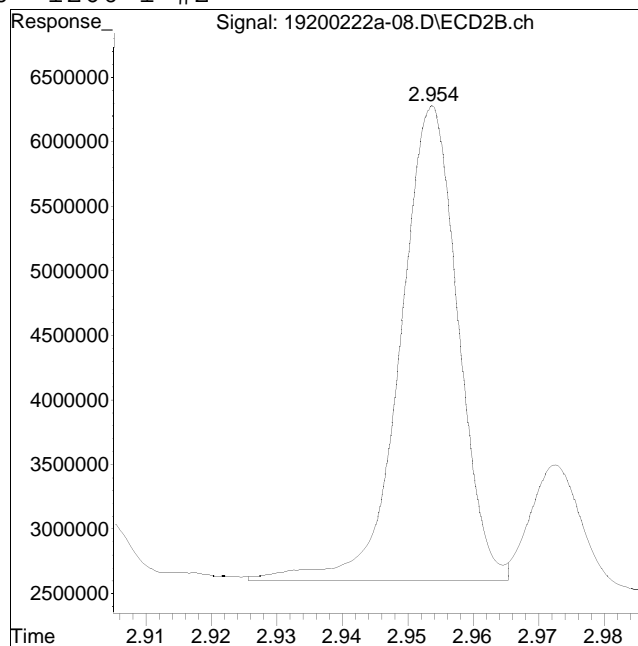
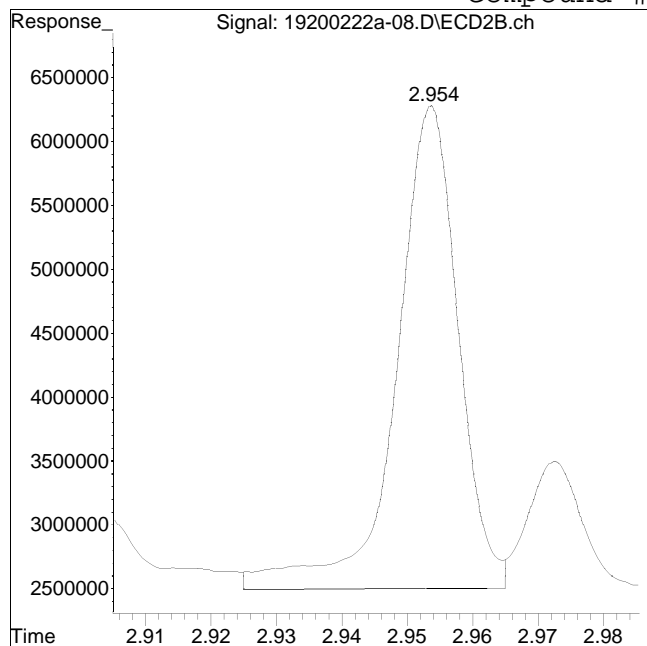
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #60: 1260-1 #2



Original Peak Response = 25074539

Manual Peak Response = 22617720 M4

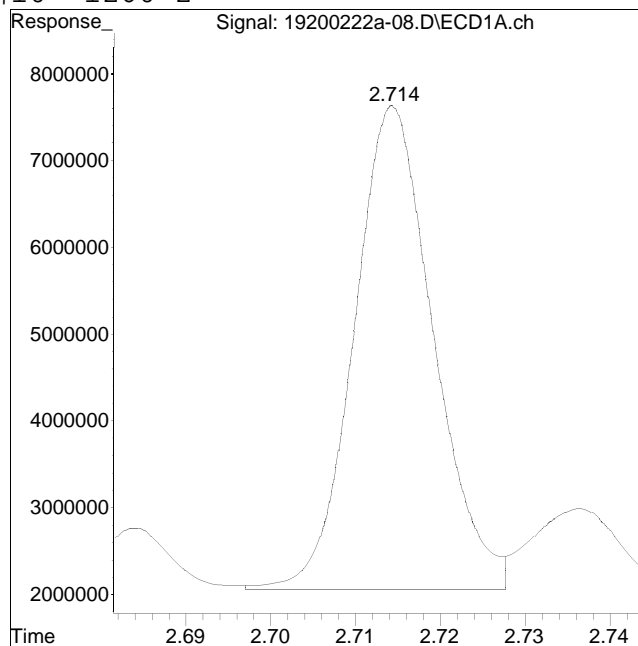
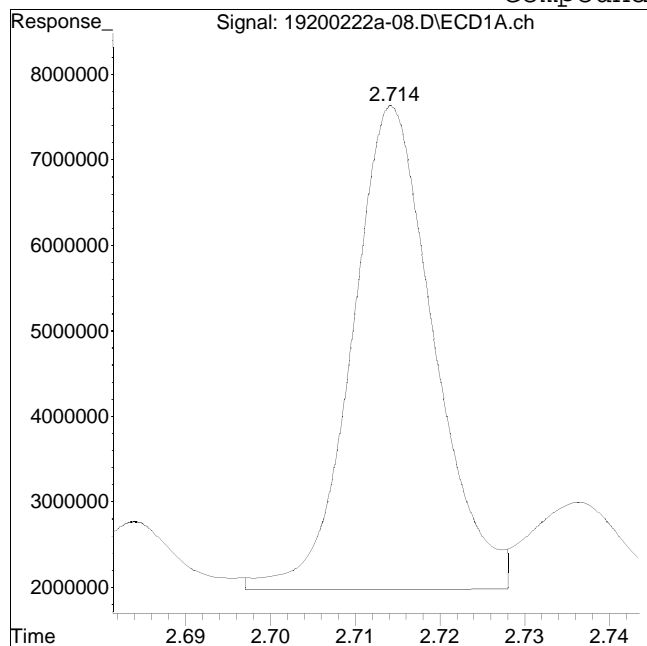
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #10: 1260-2



Original Peak Response = 37744384

Manual Peak Response = 36317870 M4

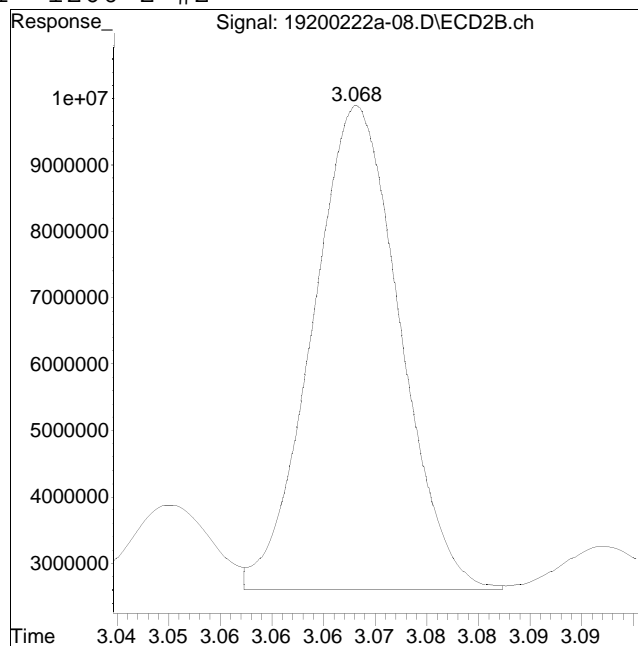
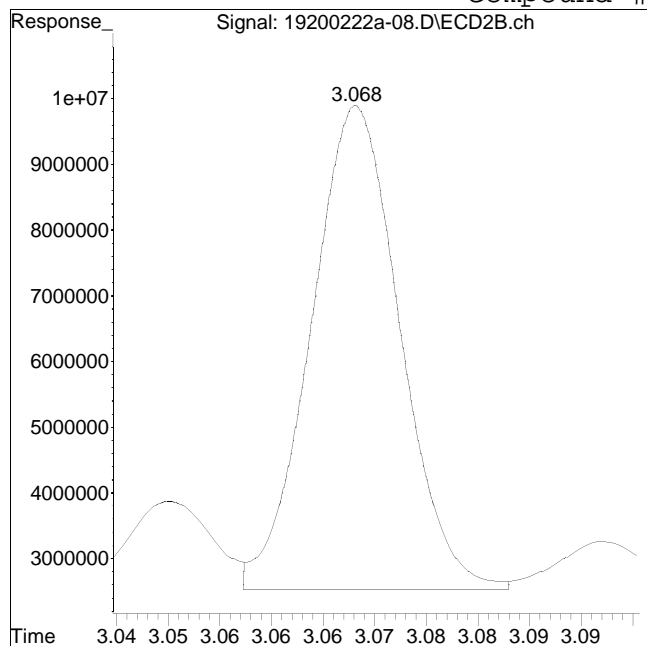
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #61: 1260-2 #2



Original Peak Response = 44125389

Manual Peak Response = 42864187 M4

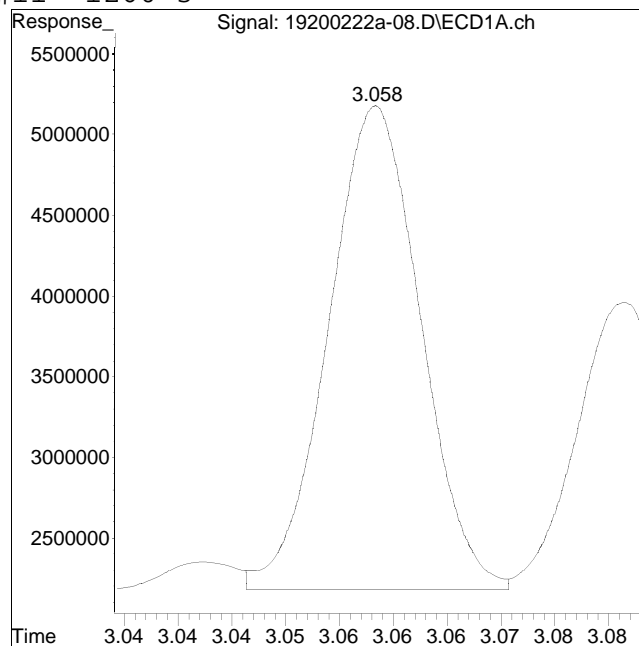
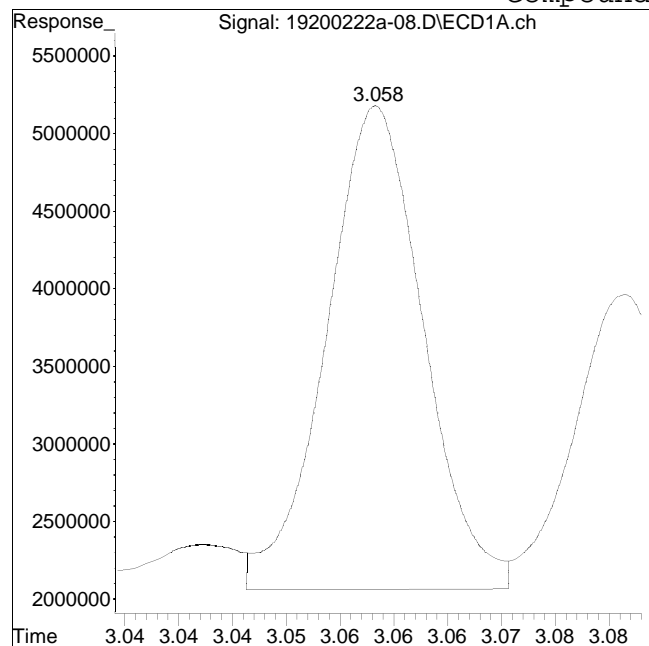
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #11: 1260-3



Original Peak Response = 19535600

Manual Peak Response = 17833537 M4

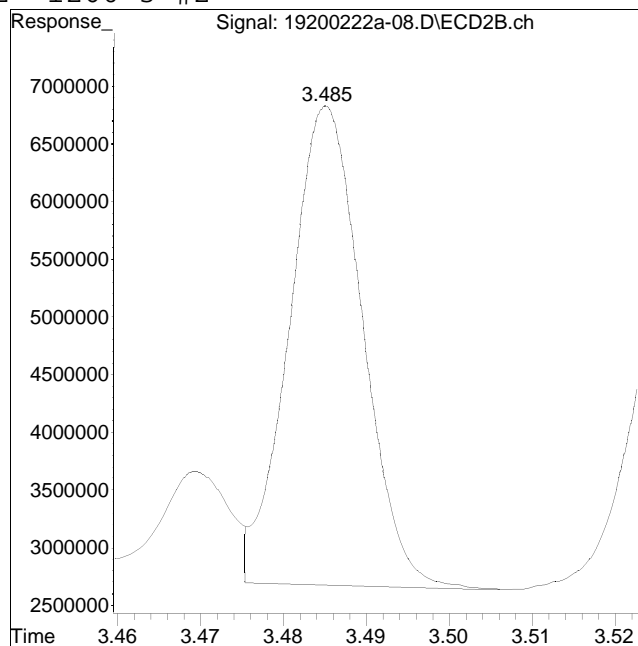
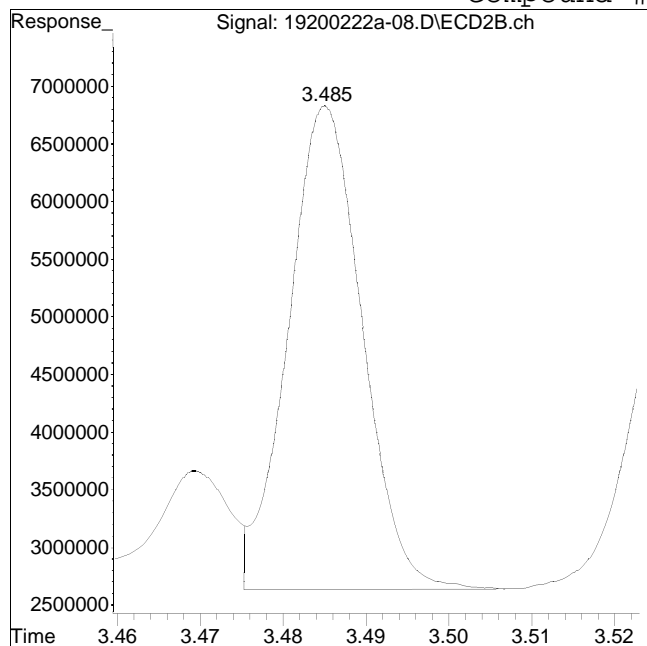
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #62: 1260-3 #2



Original Peak Response = 26165657

Manual Peak Response = 25497073 M4

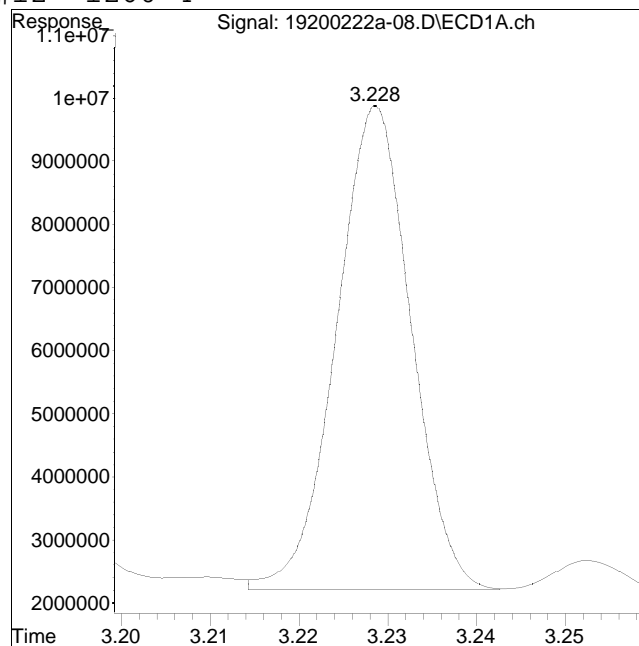
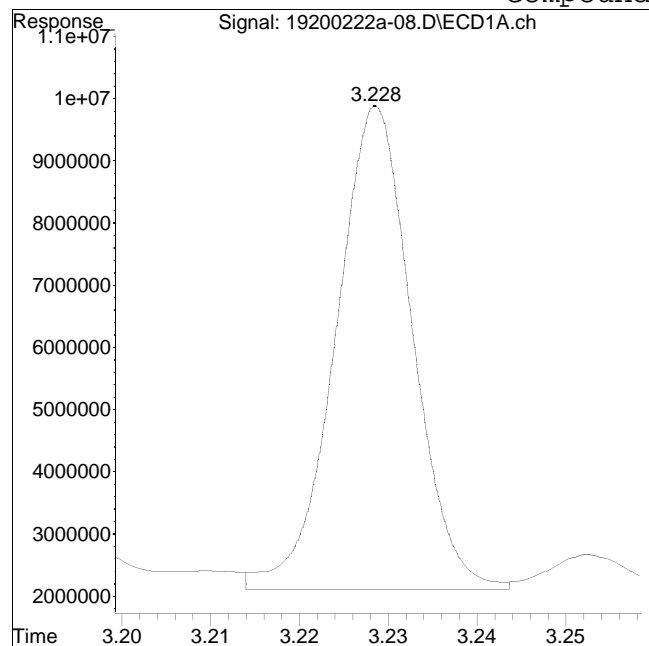
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #12: 1260-4



Original Peak Response = 46716137

Manual Peak Response = 44824444 M4

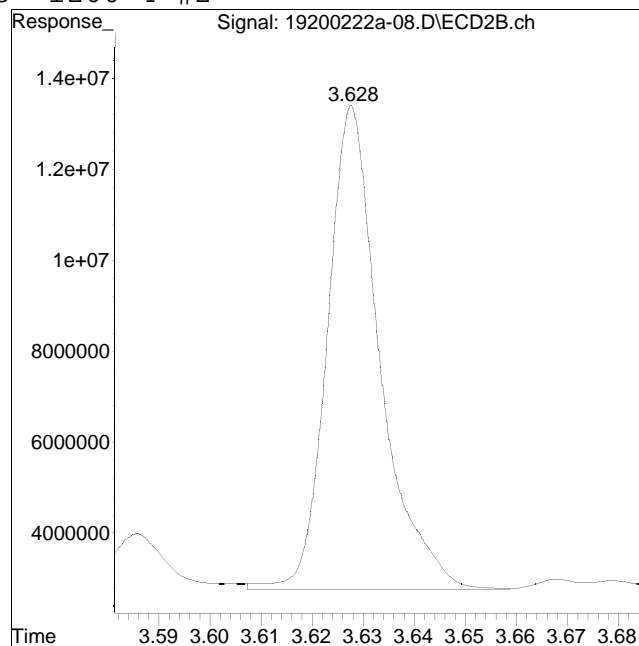
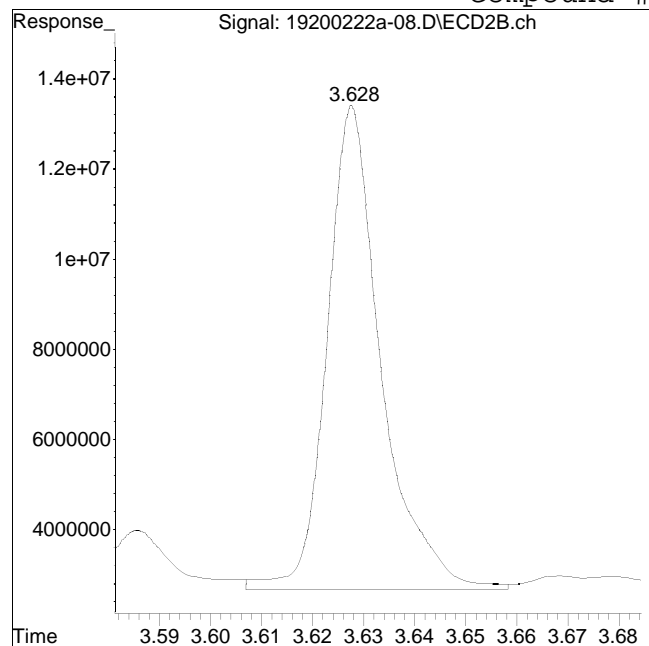
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #63: 1260-4 #2



Original Peak Response = 79257881

Manual Peak Response = 76589825 M4

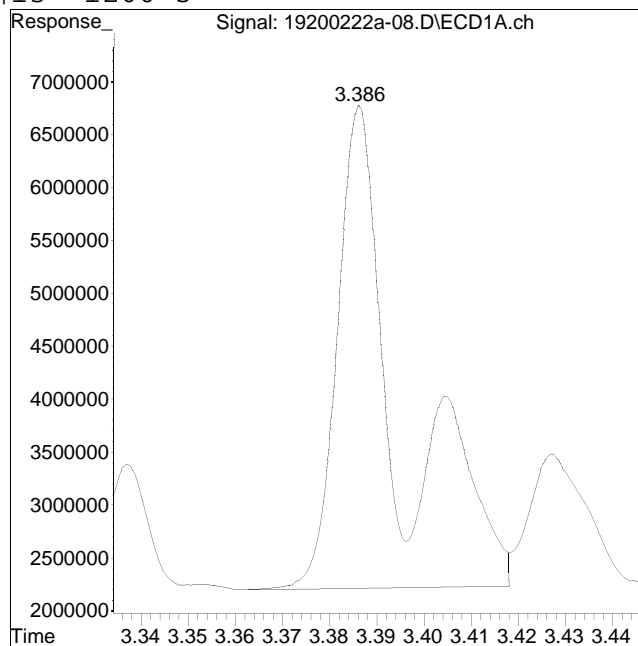
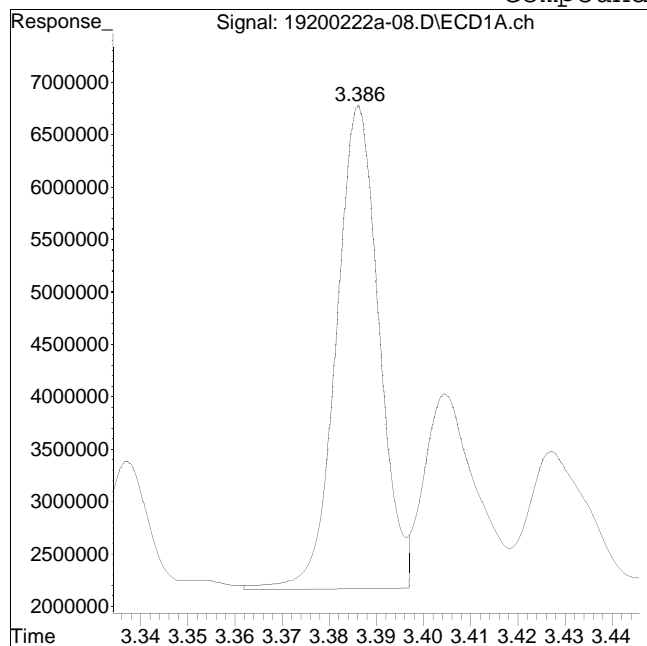
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #13: 1260-5



Original Peak Response = 28969103

Manual Peak Response = 41396599 M1

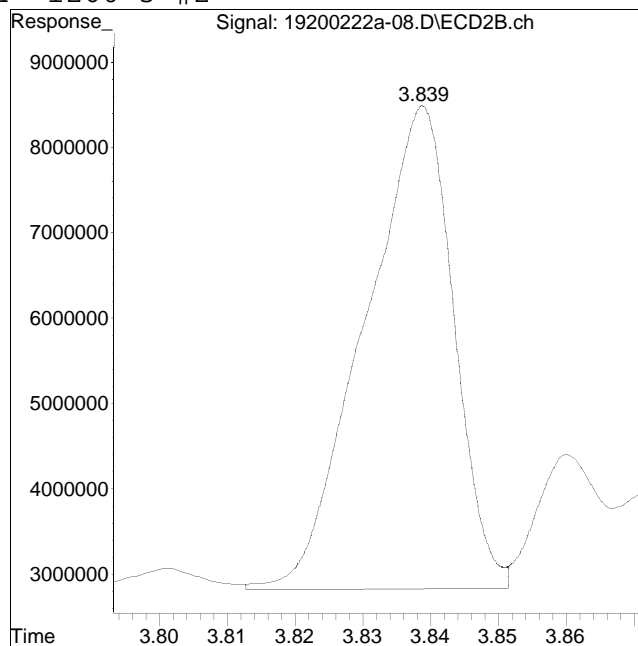
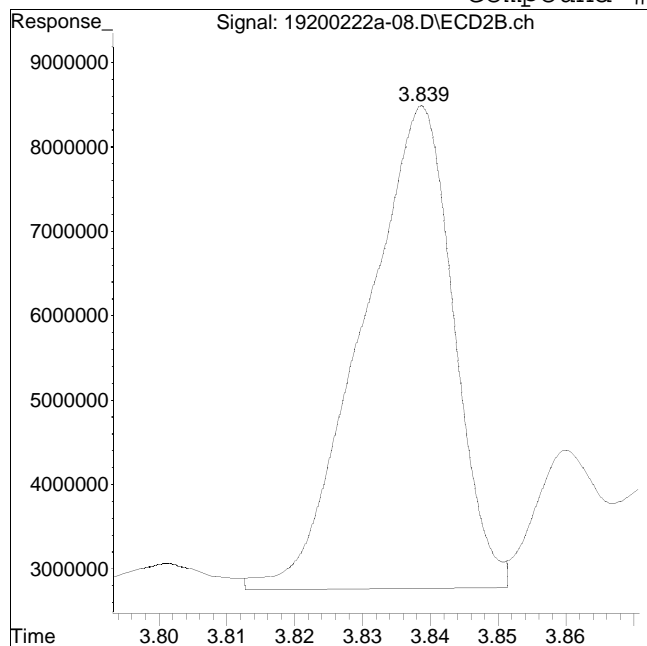
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-08.D
Date Inj'd : 2/22/2020 11:40 am
Sample : 12007485-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #64: 1260-5 #2



Original Peak Response = 52919663

Manual Peak Response = 51528259 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:01 pm
 Operator : pest19:cw
 Sample : 12007485-08,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:50:02 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.033	32862269	48052089	250.000	250.000
Standard Area 1 : #1 = 23924273					Recovery =	137.36%
Standard Area 1 : #2 = 35432560					Recovery =	135.62%
14) i 2154_1br2nb	0.991	1.033	32862269	48052089	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	32862269	48052089	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	32862269	48052089	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	32862269	48052089	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.247	1.377	53190207	76006573	310.161	309.693
Spiked Amount 500.000	Range 30 - 150				Recovery =	62.03%
3) s Decachlorobi	4.005	4.511	40476410	64907553	294.241	313.542M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	58.85%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.570	2.953	6525464	11328684	753.429	876.411
10) l2 1260-2	2.714	3.068	12929517	16152151	992.846	1064.860
11) l2 1260-3	3.058	3.485	8303023	10871368	979.768	822.280
12) l2 1260-4	3.228	3.627	20741152	29294308	1163.961	1052.926
13) l2 1260-5	3.386	3.838	14230938	20960712	1105.221M1	1084.524
Sum 1260-1			62730094	88607224	4995.224	4901.000
Average 1260-1					999.045	980.200

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:01 pm
 Operator : pest19:cw
 Sample : 12007485-08,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:50:02 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:01 pm
 Operator : pest19:cw
 Sample : 12007485-08,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:50:02 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

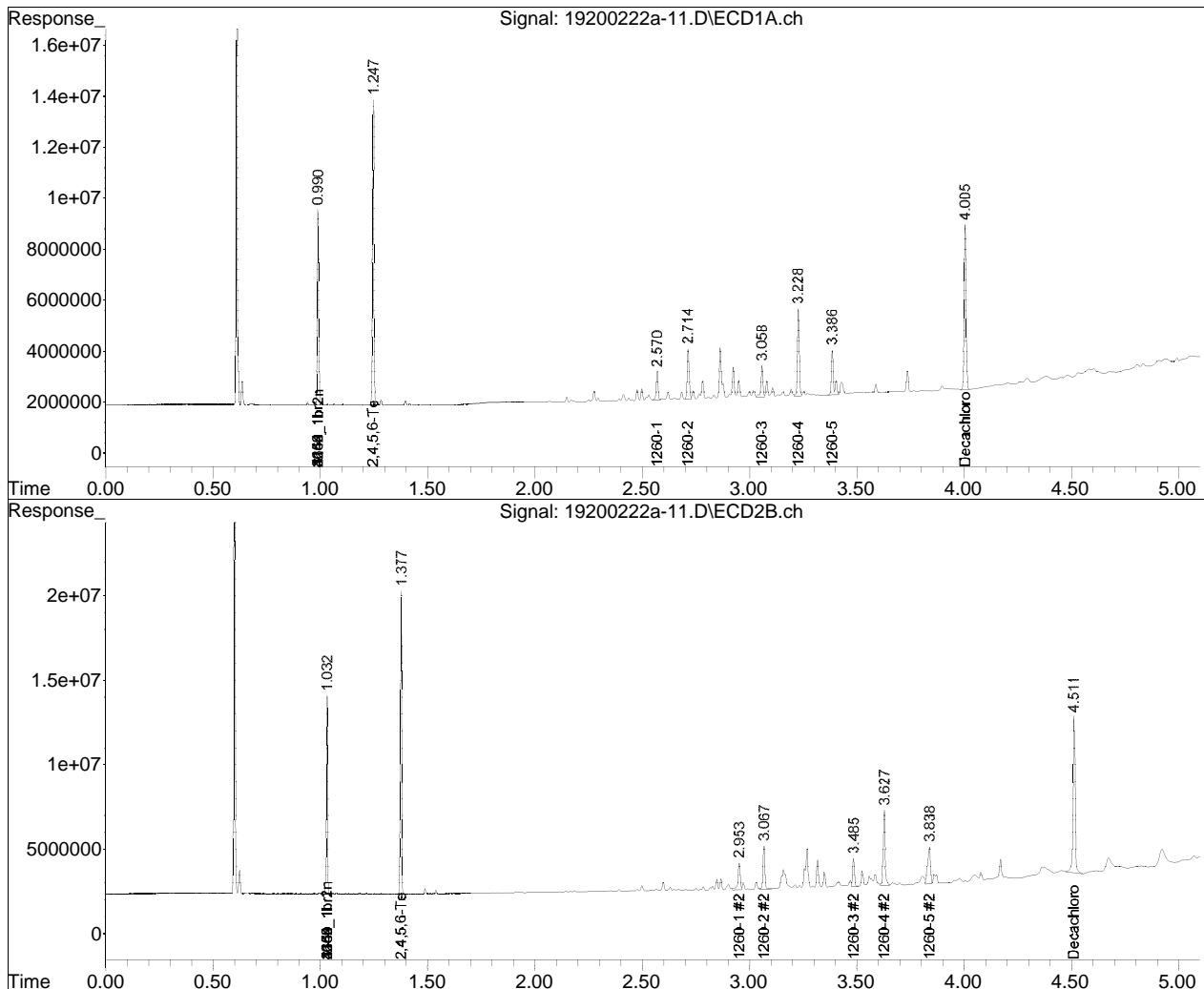
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 12:01 pm
Operator : pest19:cw
Sample : 12007485-08,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 15:50:02 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

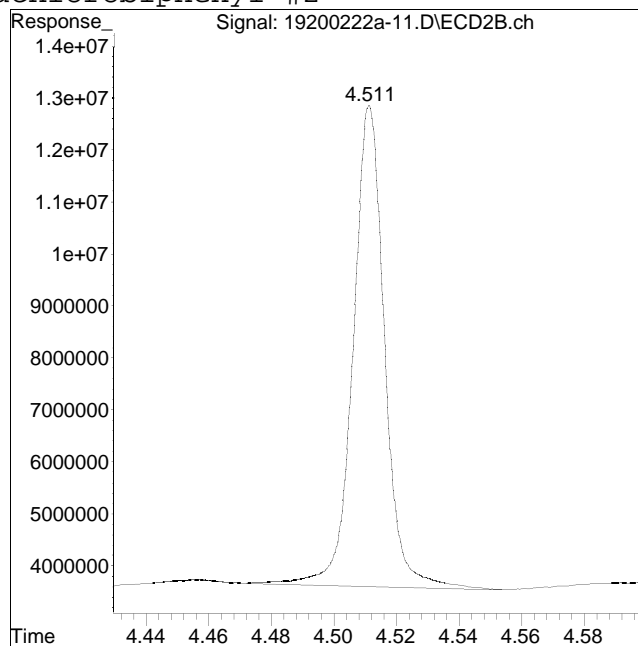
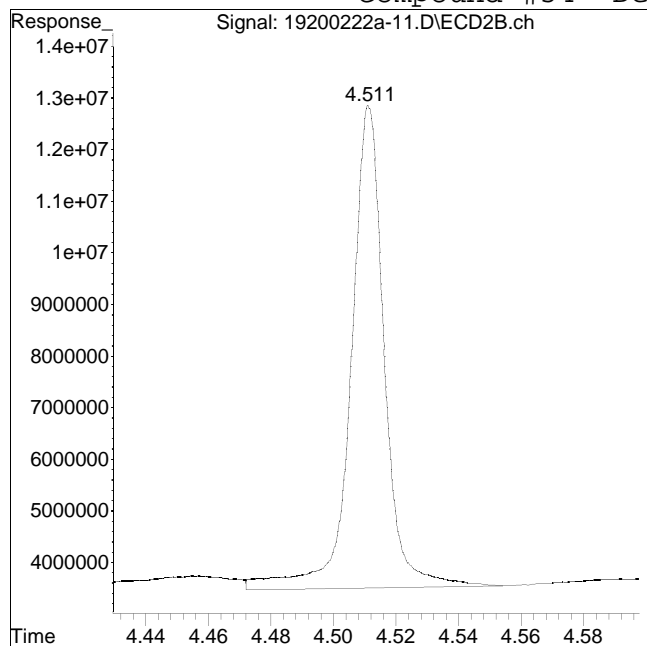


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-11.D
Date Inj'd : 2/22/2020 12:01 pm
Sample : 12007485-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 69571613

Manual Peak Response = 64907553 M4

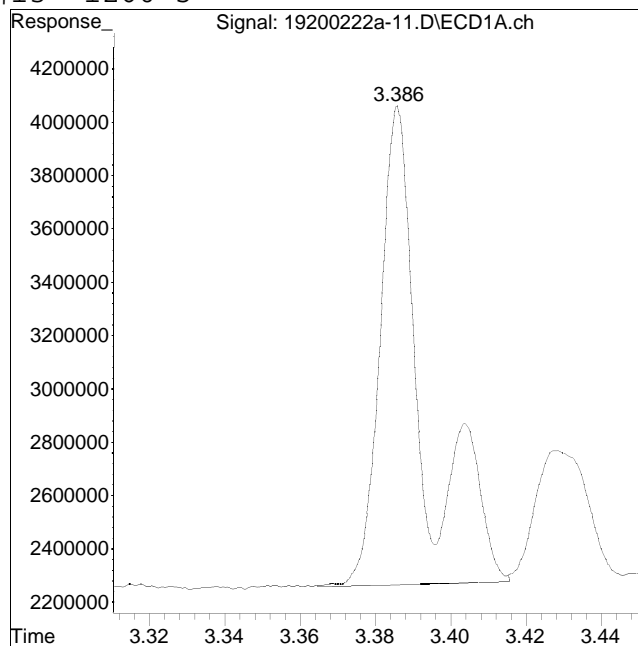
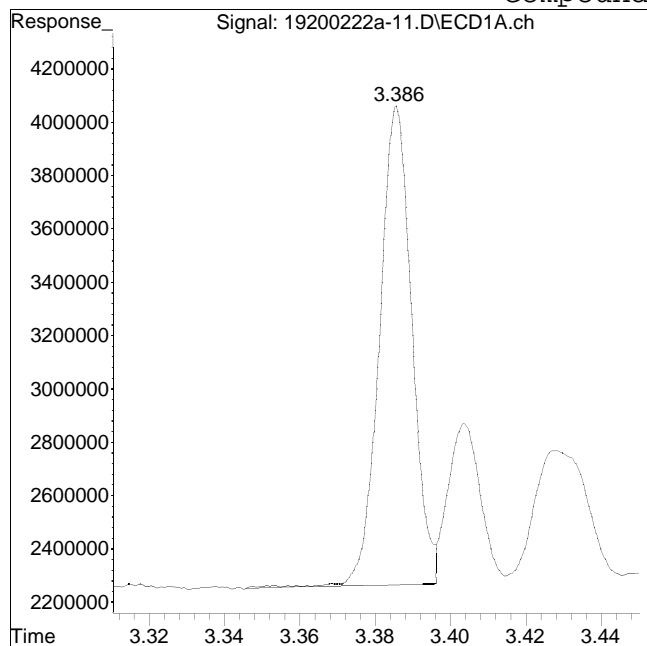
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-11.D
Date Inj'd : 2/22/2020 12:01 pm
Sample : 12007485-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #13: 1260-5



Original Peak Response = 10687442

Manual Peak Response = 14230938 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:07 pm
 Operator : pest19:cw
 Sample : 12007485-09,42e,,
 Misc : wgl343434,wgl343014,ical16321
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 08:28:33 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.032	33117036	47983386	250.000	250.000
Standard Area 1 : #1 = 23924273					Recovery =	138.42%
Standard Area 1 : #2 = 35432560					Recovery =	135.42%
14) i 2154_1br2nb	0.991	1.032	33117036	47983386	250.000	250.000
23) i 4268_1br2nb	0.991	1.032	33117036	47983386	250.000	250.000
34) i 1248_1br2nb	0.991	1.032	33117036	47983386	250.000	250.000
40) i 3262_1br2nb	0.991	1.032	33117036	47983386	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.377	55090182	78434896	318.769	320.045
Spiked Amount 500.000	Range 30 - 150				Recovery =	63.75%
3) s Decachlorobi	4.004	4.511	40321861	64161107	290.863	310.380
Spiked Amount 500.000	Range 30 - 150				Recovery =	58.17%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.569	2.953	39998217	59446589	4582.658M2	4605.499M2
10) l2 1260-2	2.713	3.067	76157288	86036623	5803.064M4	5680.241M4
11) l2 1260-3	3.058	3.485	44394132	59739074	5198.266	4524.964
12) l2 1260-4	3.228	3.627	107.0E6	154.7E6	5958.299	5567.682
13) l2 1260-5	3.386	3.838	80011619	108.0E6	6166.159M1	5598.257
Sum 1260-1			347.6E6	467.9E6	27708.446	25976.643

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:07 pm
 Operator : pest19:cw
 Sample : 12007485-09,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 08:28:33 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					5541.689	5195.329
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:07 pm
 Operator : pest19:cw
 Sample : 12007485-09,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 08:28:33 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:07 pm
 Operator : pest19:cw
 Sample : 12007485-09,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 08:28:33 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

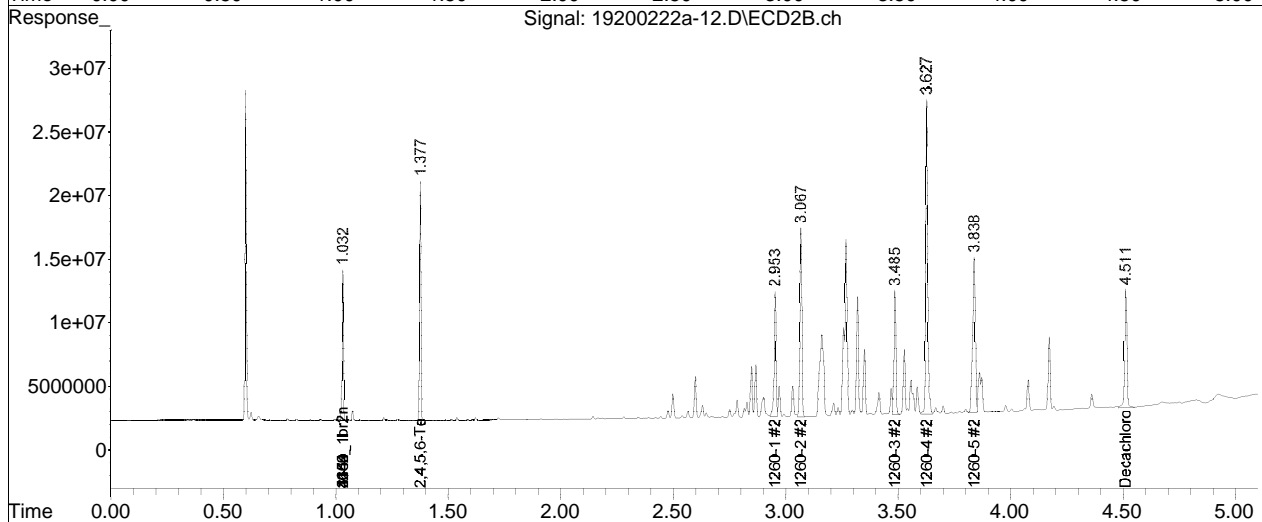
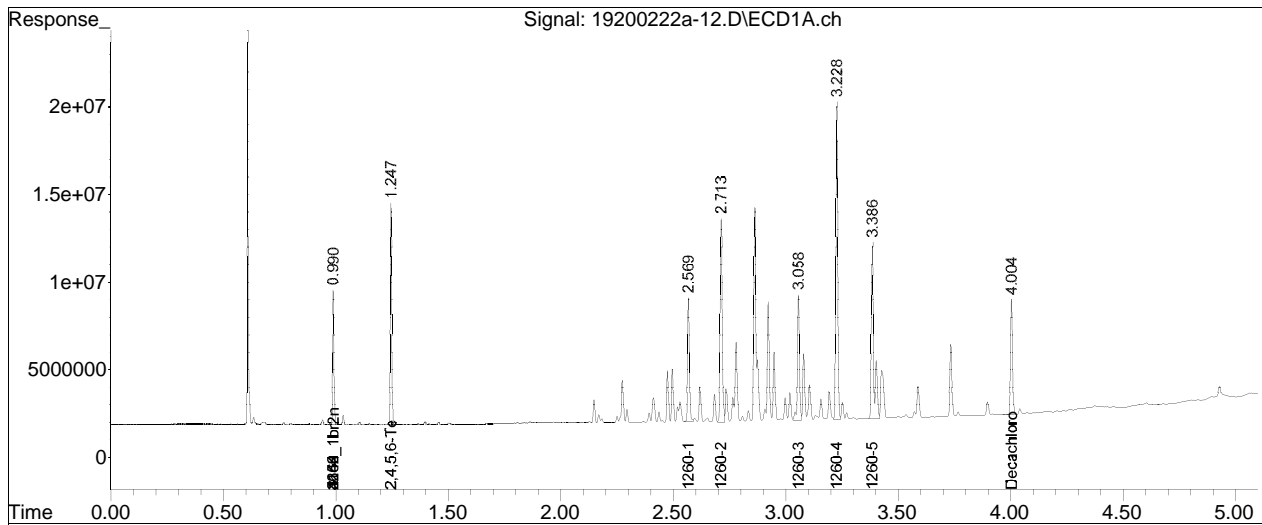
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 12:07 pm
Operator : pest19:cw
Sample : 12007485-09,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 08:28:33 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

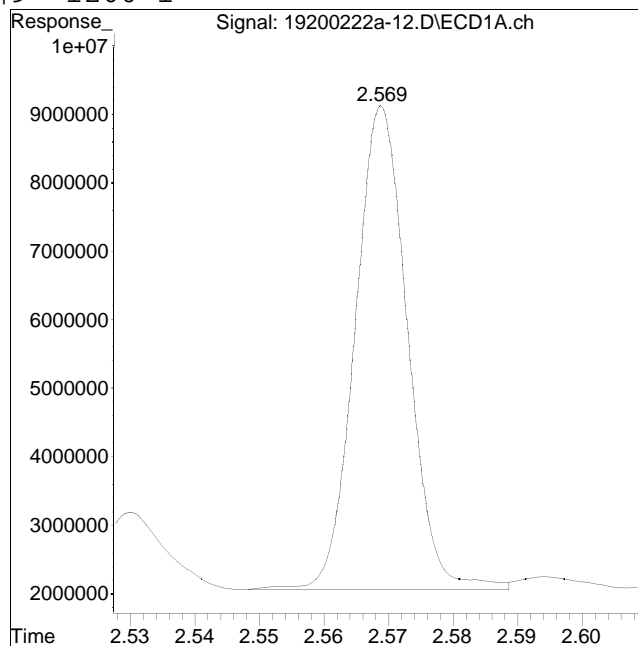
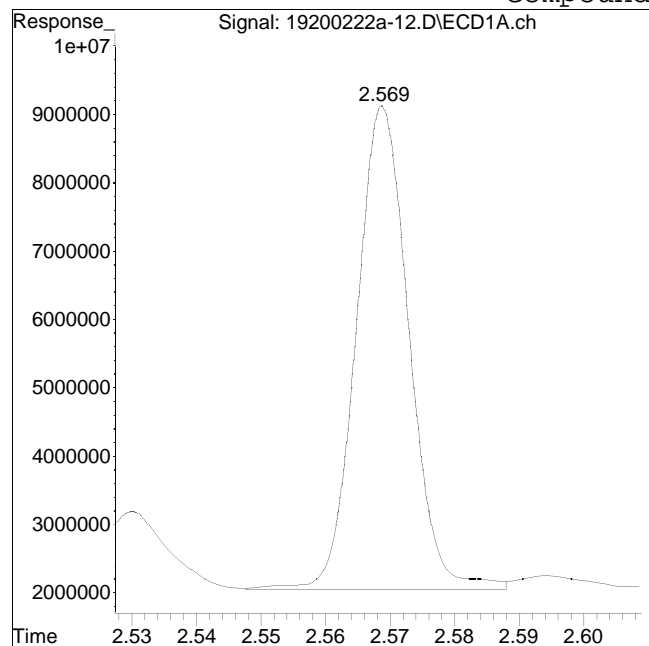


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-12.D
Date Inj'd : 2/22/2020 12:07 pm
Sample : 12007485-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #9: 1260-1



Original Peak Response = 40249809

Manual Peak Response = 39998217 M2

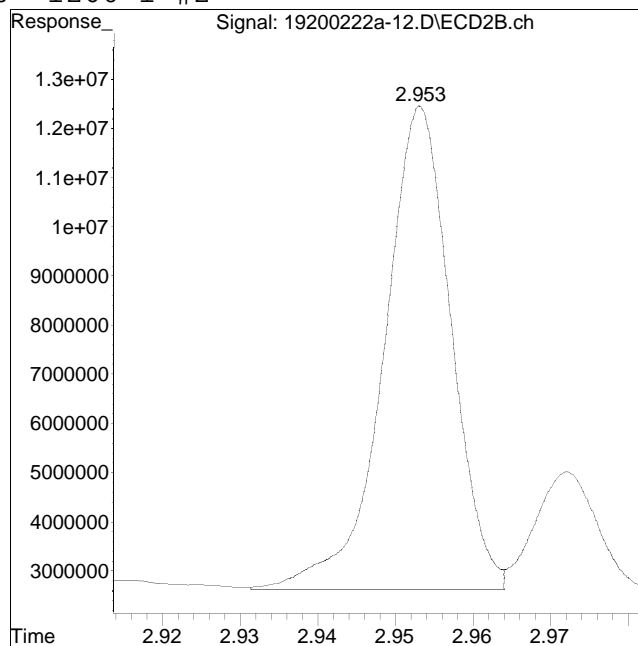
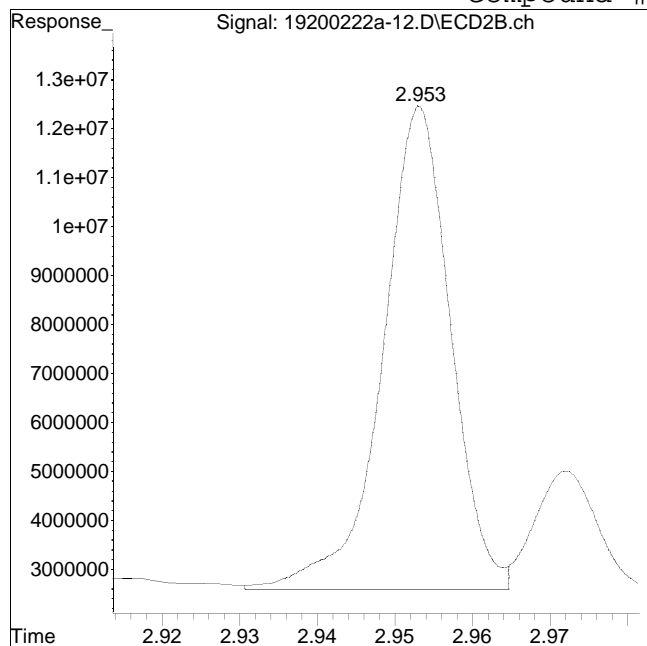
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-12.D
Date Inj'd : 2/22/2020 12:07 pm
Sample : 12007485-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #60: 1260-1 #2



Original Peak Response = 60171861

Manual Peak Response = 59446589 M2

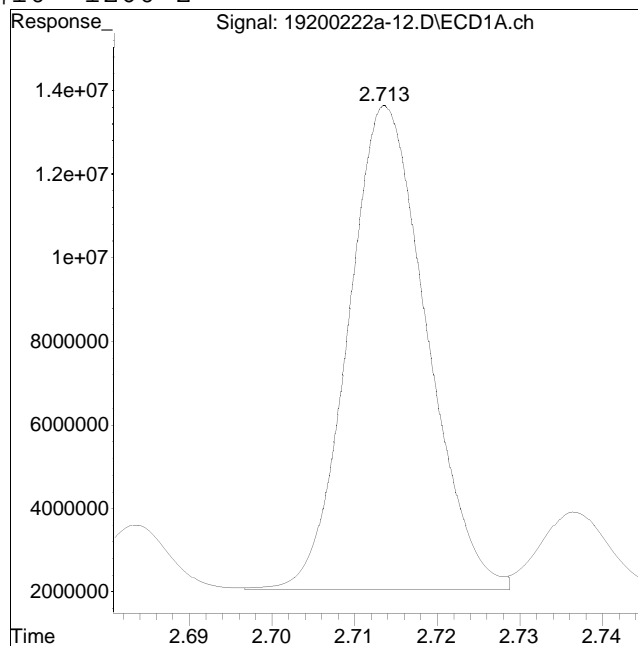
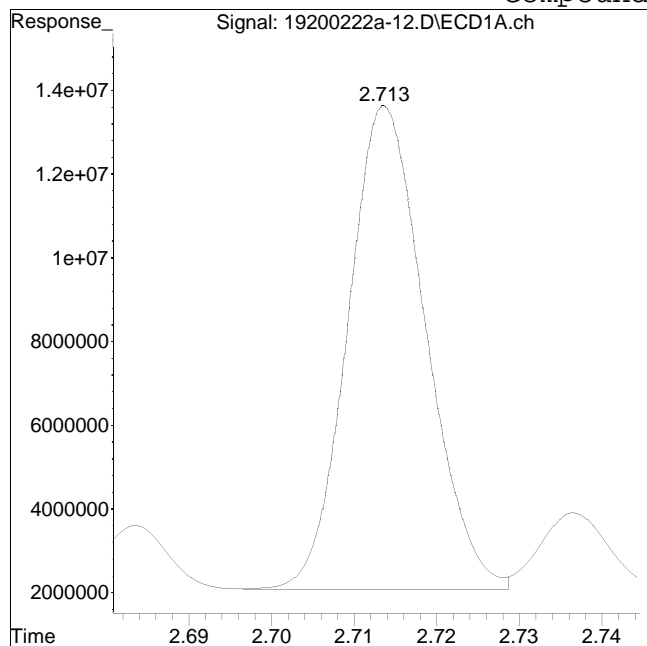
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-12.D
Date Inj'd : 2/22/2020 12:07 pm
Sample : 12007485-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #10: 1260-2



Original Peak Response = 75660397

Manual Peak Response = 76157288 M4

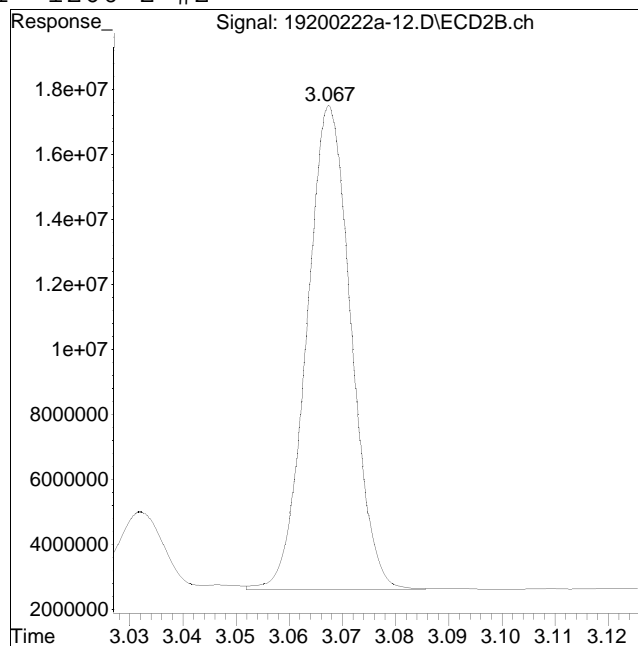
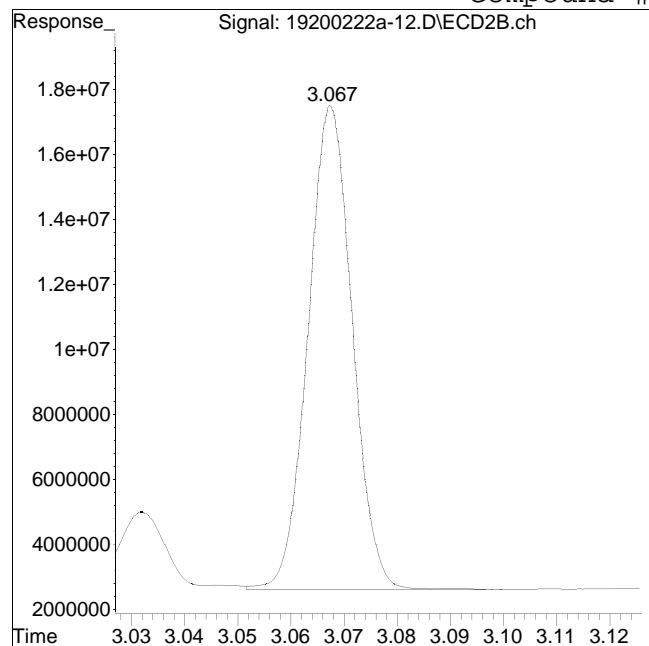
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-12.D
Date Inj'd : 2/22/2020 12:07 pm
Sample : 12007485-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #61: 1260-2 #2



Original Peak Response = 86129535

Manual Peak Response = 86036623 M4

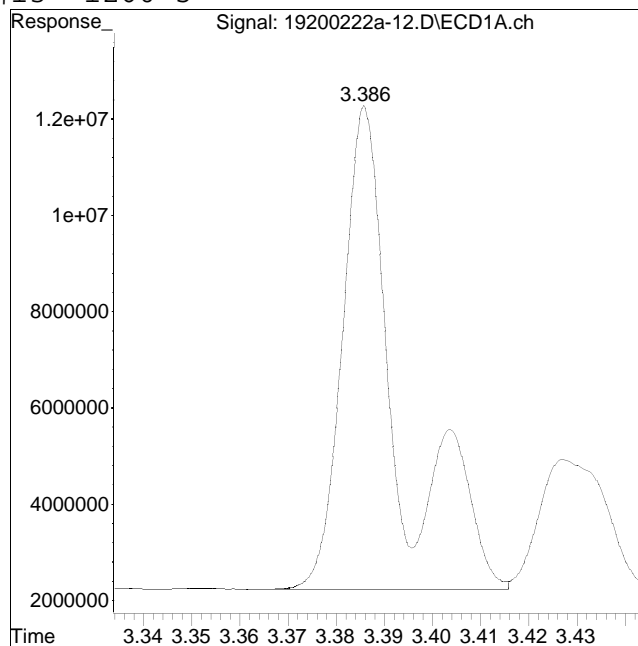
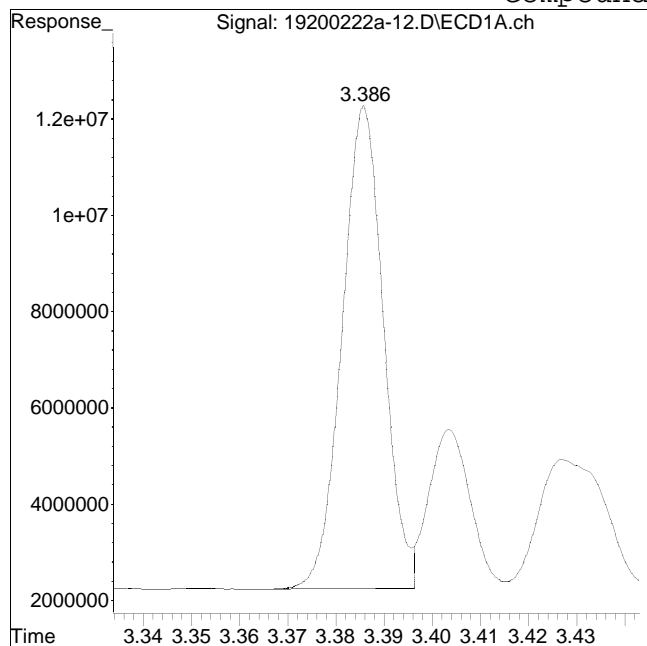
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-12.D
Date Inj'd : 2/22/2020 12:07 pm
Sample : 12007485-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #13: 1260-5



Original Peak Response = 59637353

Manual Peak Response = 80011619 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:14 pm
 Operator : pest19:cw
 Sample : 12007485-13,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:58:38 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.990	1.032	33482424	48820605	250.000M4	250.000M4
Standard Area 1 : #1 = 23924273					Recovery = 139.95%	
Standard Area 1 : #2 = 35432560					Recovery = 137.78%	
14) i 2154_1br2nb	0.990	1.032	33482424	48820605	250.000M4	250.000M4
23) i 4268_1br2nb	0.990	1.032	33482424	48820605	250.000M4	250.000M4
34) i 1248_1br2nb	0.990	1.032	33482424	48820605	250.000M4	250.000M4
40) i 3262_1br2nb	0.990	1.032	33482424	48820605	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.247	1.377	47761039	67547078	273.345	270.892
Spiked Amount 500.000	Range 30 - 150				Recovery = 54.67%	54.18%
3) s Decachlorobi	4.004	4.512	34748334	49080289	247.923	233.355
Spiked Amount 500.000	Range 30 - 150				Recovery = 49.58%	46.67%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.569	2.954	559925	1043445	63.451M4	79.452
10) l2 1260-2	2.714	3.068	1224180	1359287	92.263	88.203M1
11) l2 1260-3	3.058	3.485	706962	750799	81.877	55.894M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:14 pm
 Operator : pest19:cw
 Sample : 12007485-13,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:58:38 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	12 1260-4	3.228	3.626	1733603	1878472	95.485	66.455M4
13)	12 1260-5	3.385	3.839	1241811	1454313	94.657M1	74.063M4
	Sum 1260-1			5466482	6486315	427.733	364.067
	Average 1260-1					85.547	72.813
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:14 pm
 Operator : pest19:cw
 Sample : 12007485-13,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:58:38 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:14 pm
 Operator : pest19:cw
 Sample : 12007485-13,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:58:38 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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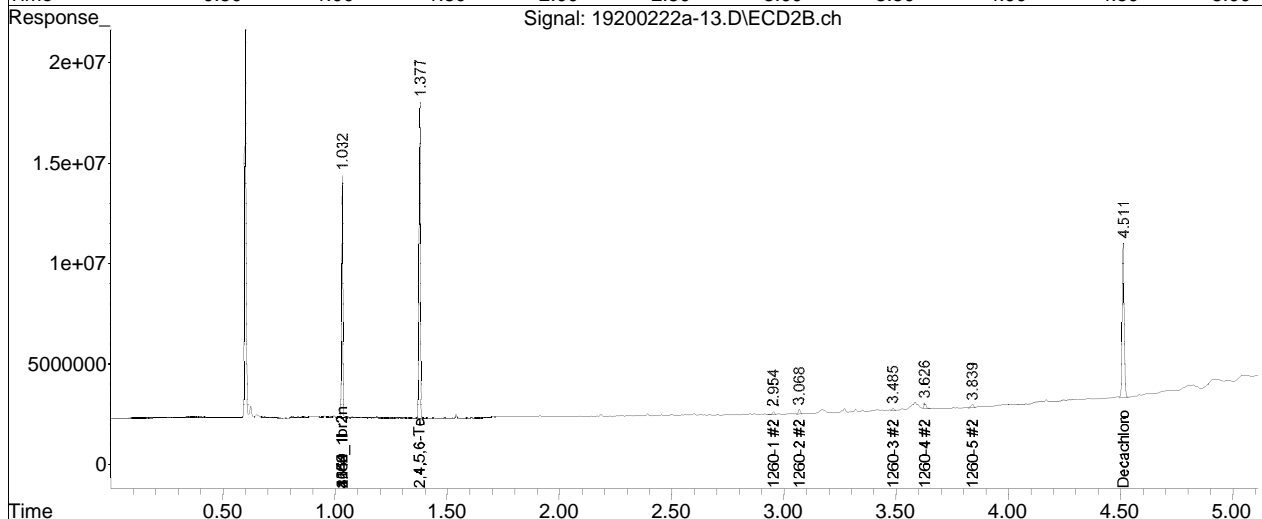
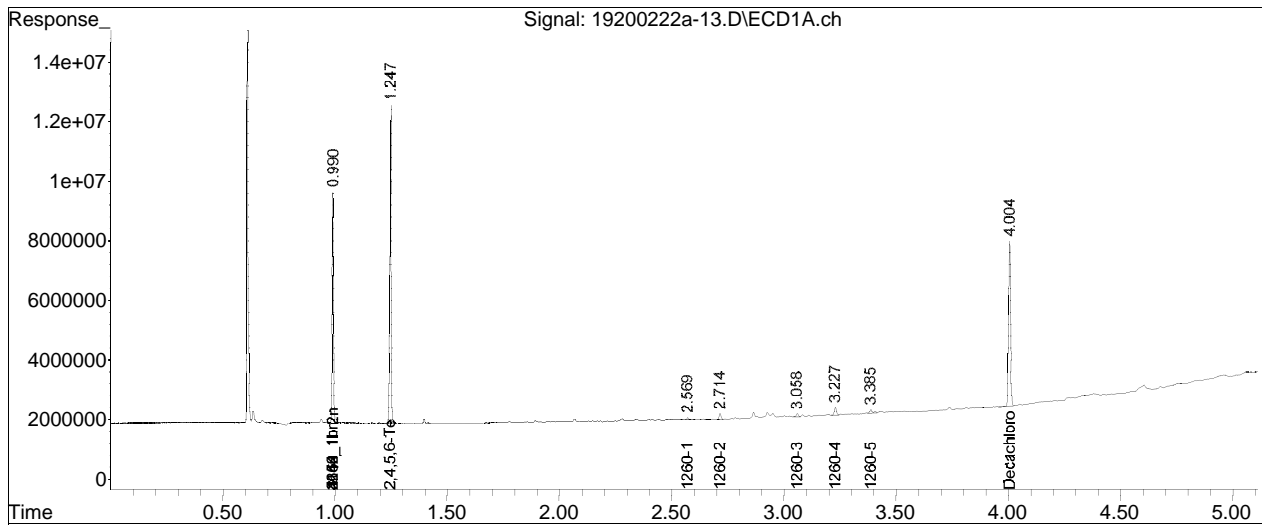
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 12:14 pm
Operator : pest19:cw
Sample : 12007485-13,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 15:58:38 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

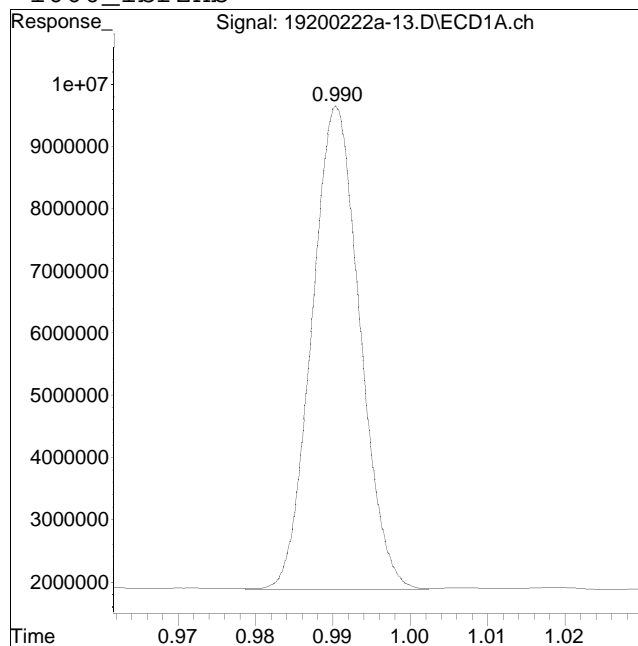
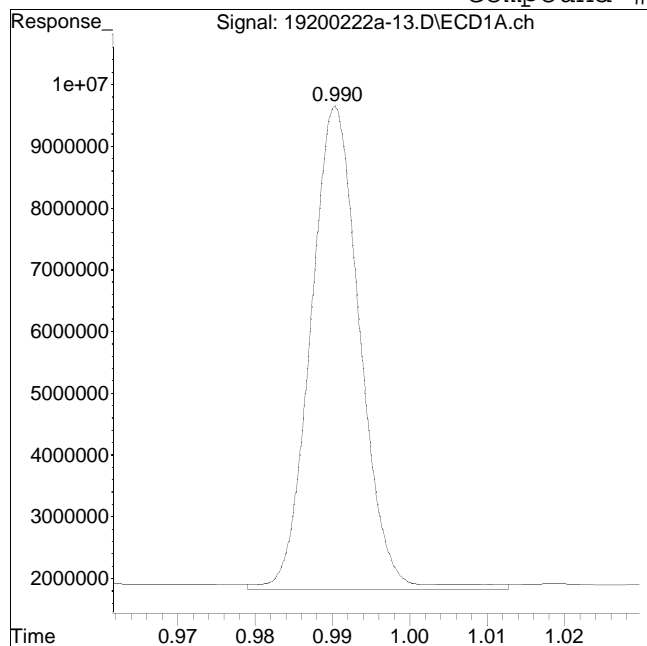


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-13.D
Date Inj'd : 2/22/2020 12:14 pm
Sample : 12007485-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #1: 1660_1br2nb



Original Peak Response = 34778285

Manual Peak Response = 33482424 M4

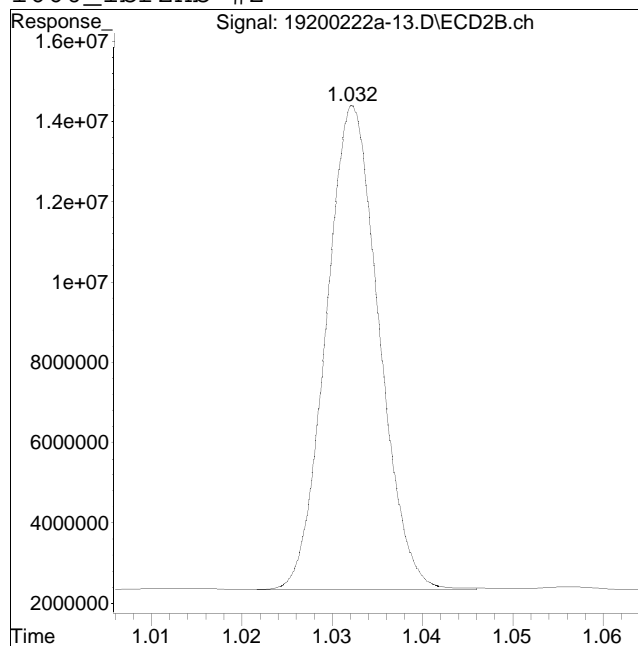
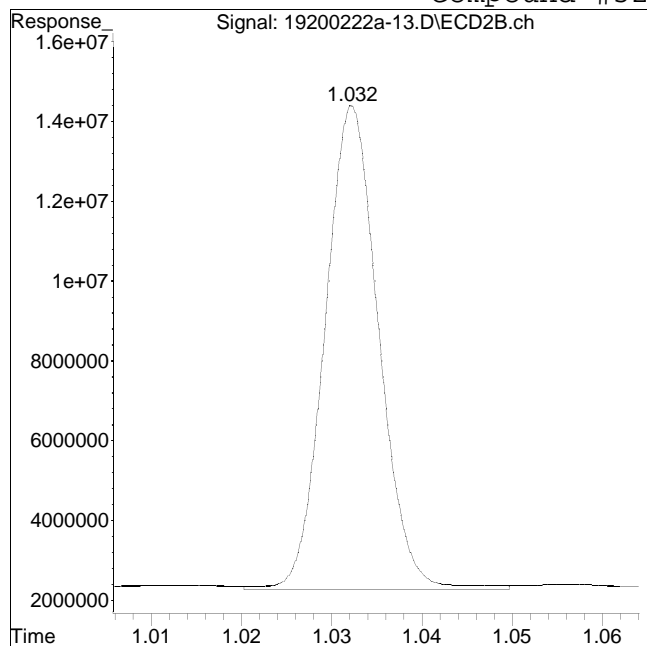
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-13.D
Date Inj'd : 2/22/2020 12:14 pm
Sample : 12007485-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 50255445

Manual Peak Response = 48820605 M4

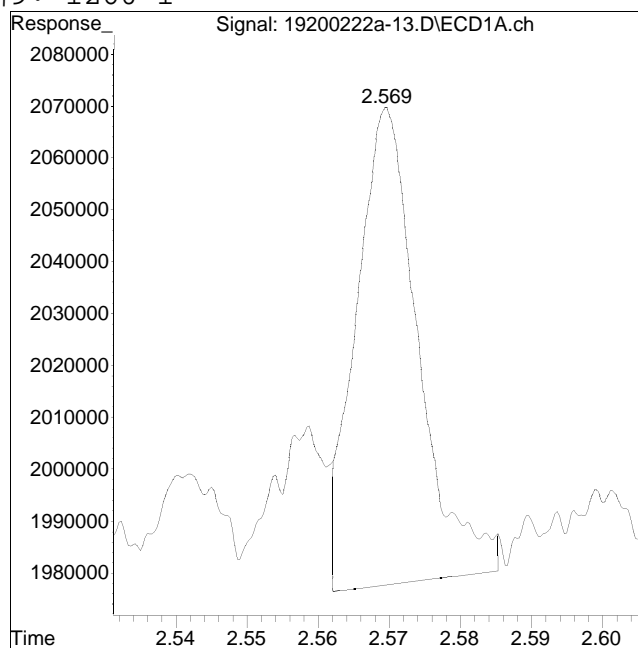
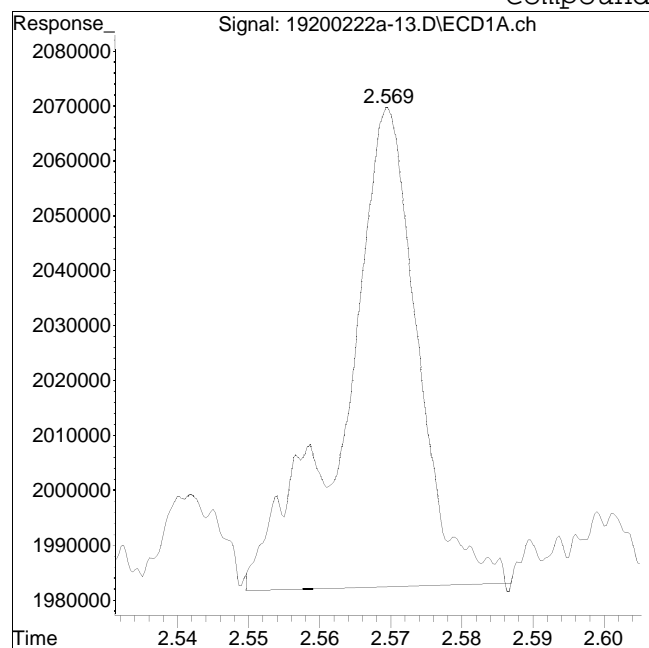
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-13.D
Date Inj'd : 2/22/2020 12:14 pm
Sample : 12007485-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #9: 1260-1



Original Peak Response = 629230

Manual Peak Response = 559925 M4

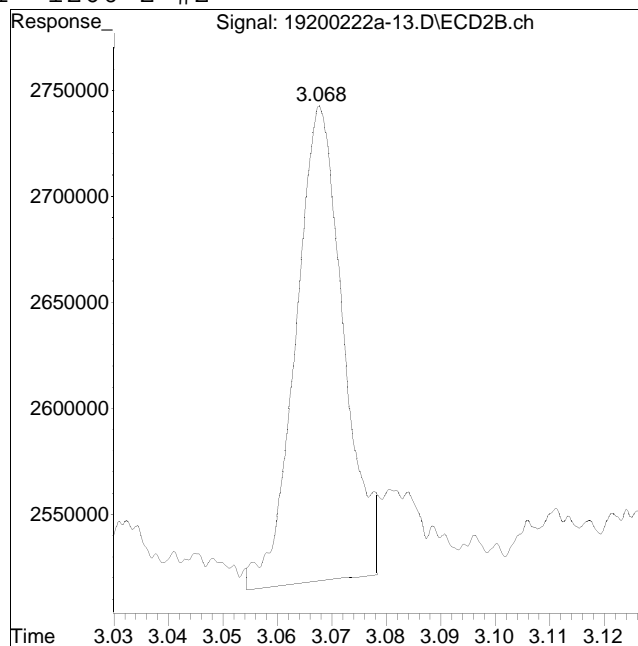
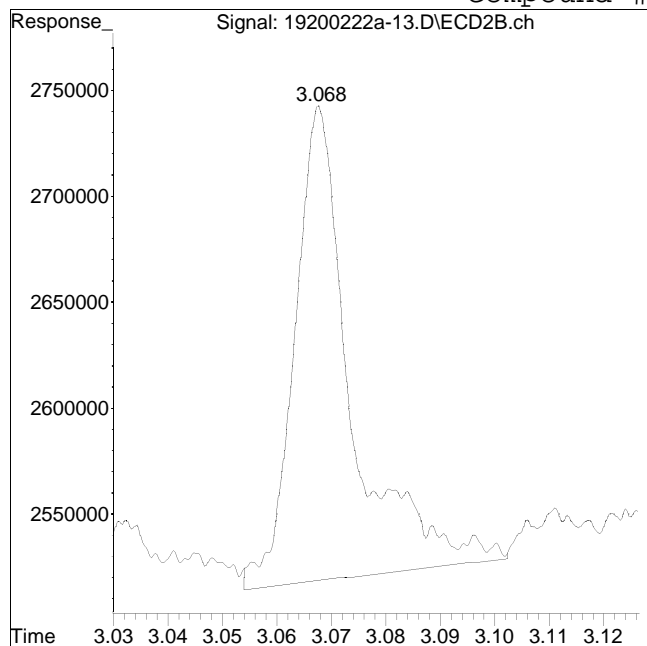
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-13.D
Date Inj'd : 2/22/2020 12:14 pm
Sample : 12007485-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #61: 1260-2 #2



Original Peak Response = 1634138

Manual Peak Response = 1359287 M1

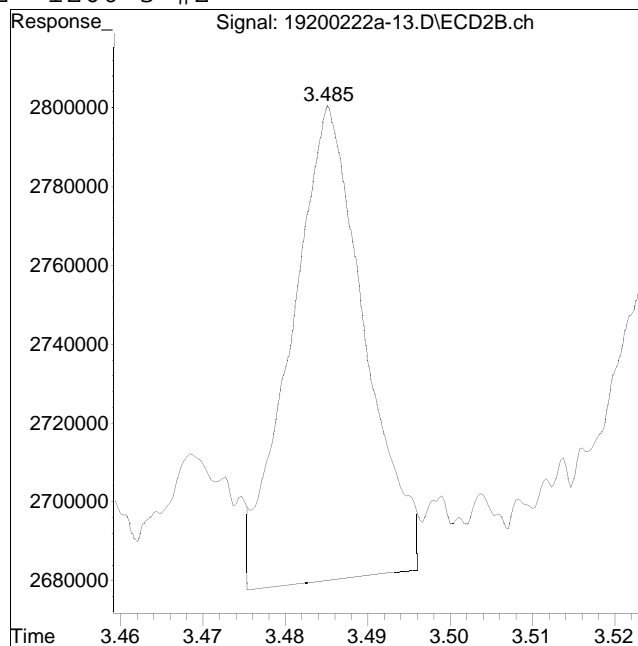
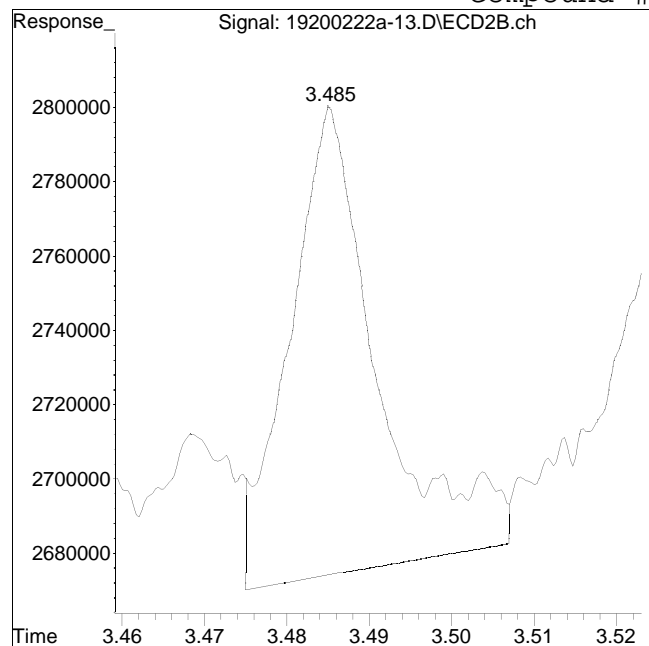
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-13.D
Date Inj'd : 2/22/2020 12:14 pm
Sample : 12007485-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #62: 1260-3 #2



Original Peak Response = 938586

Manual Peak Response = 750799 M4

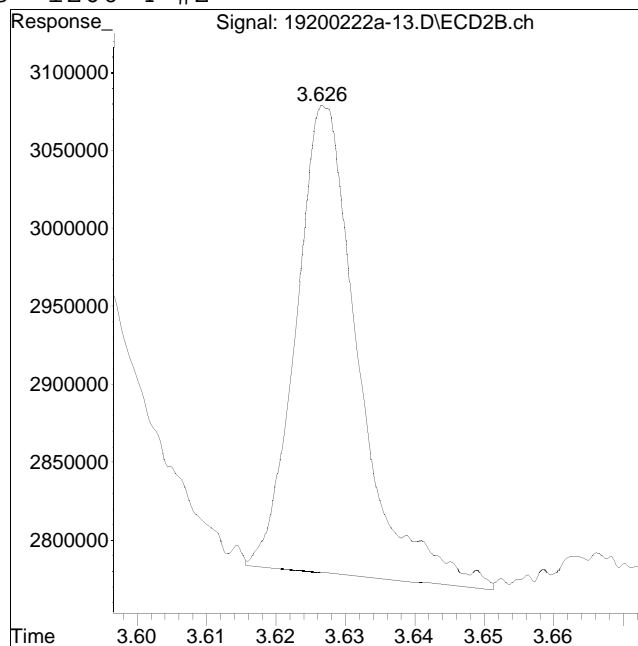
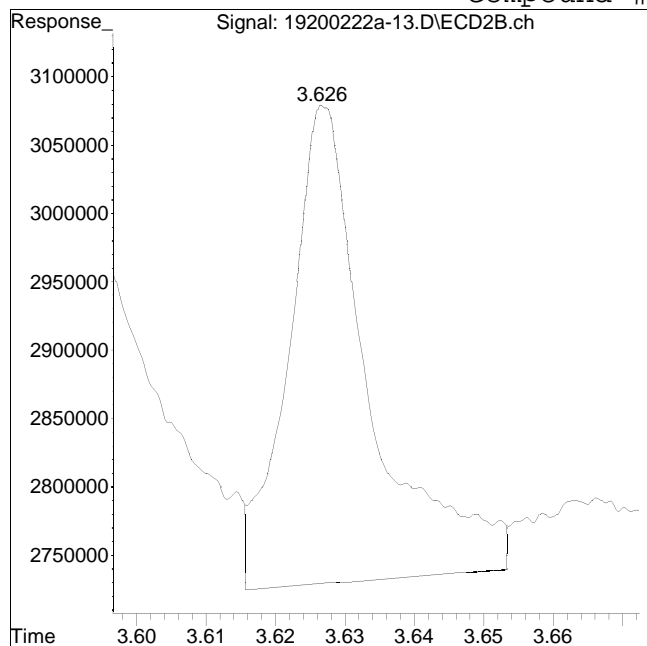
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-13.D
Date Inj'd : 2/22/2020 12:14 pm
Sample : 12007485-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #63: 1260-4 #2



Original Peak Response = 2880787

Manual Peak Response = 1878472 M4

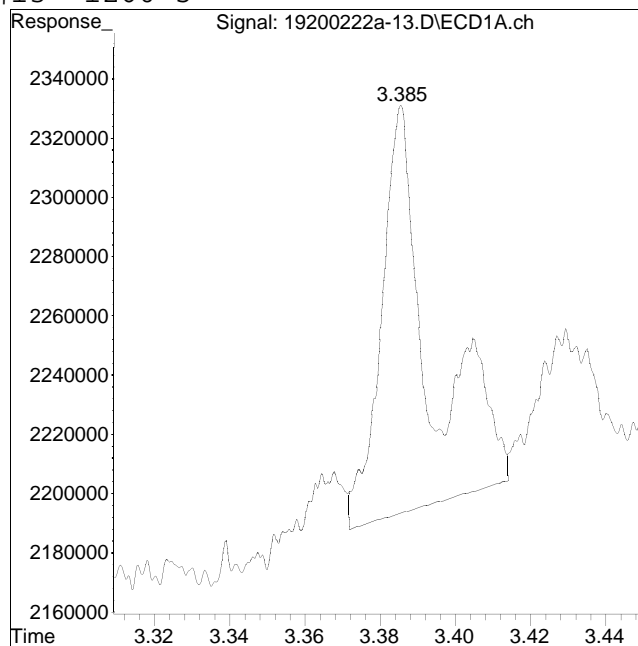
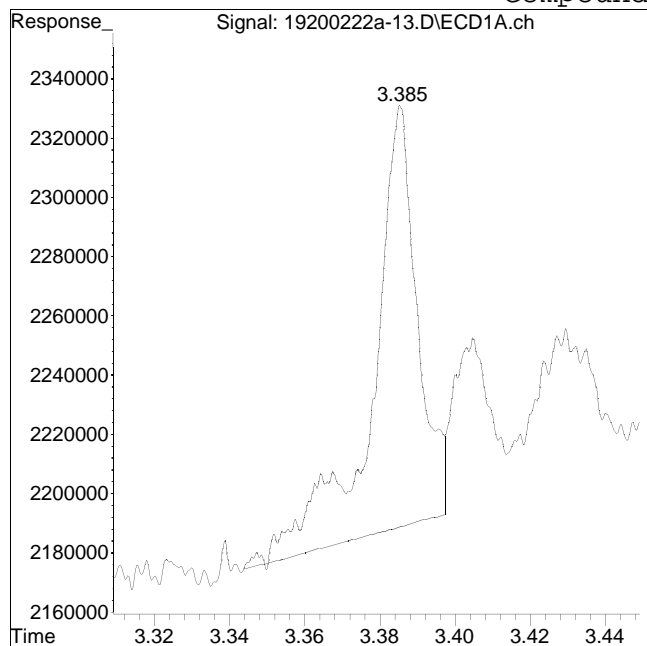
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-13.D
Date Inj'd : 2/22/2020 12:14 pm
Sample : 12007485-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #13: 1260-5



Original Peak Response = 1168589

Manual Peak Response = 1241811 M1

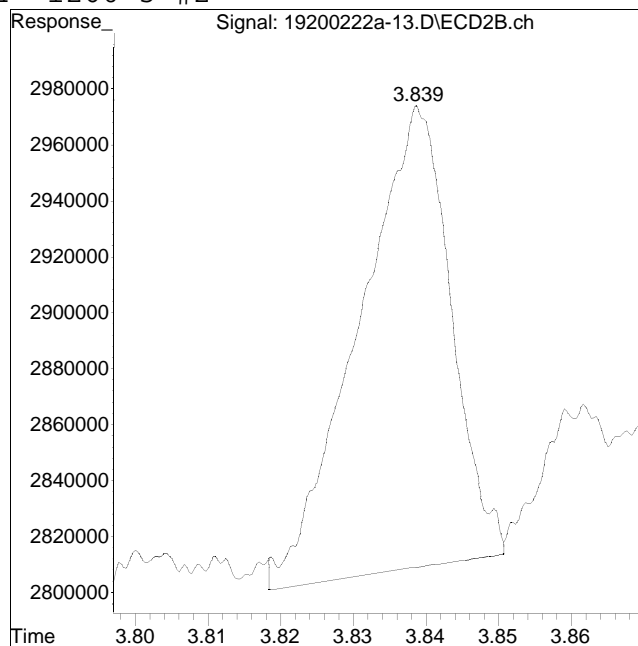
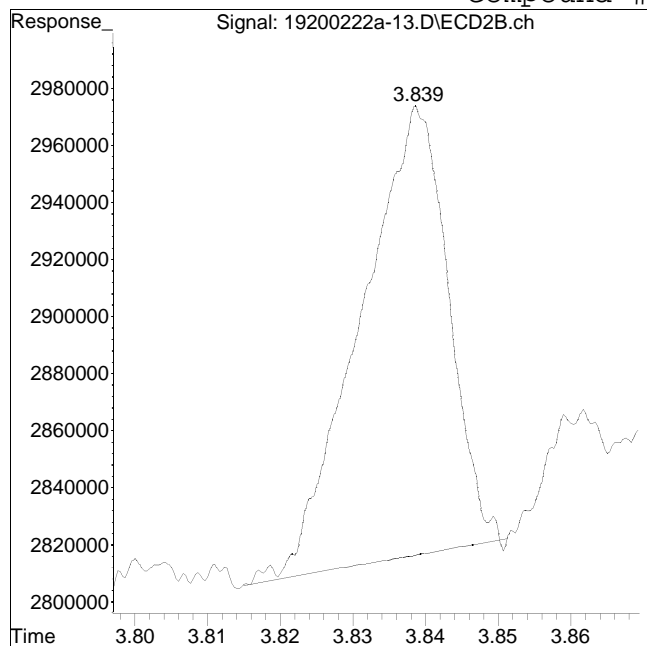
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-13.D
Date Inj'd : 2/22/2020 12:14 pm
Sample : 12007485-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #64: 1260-5 #2



Original Peak Response = 1316283

Manual Peak Response = 1454313 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:21 pm
 Operator : pest19:cw
 Sample : 12007485-15,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:02:03 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.033	34292674	49369805	250.000	250.000
Standard Area 1 : #1 = 23924273					Recovery =	143.34%
Standard Area 1 : #2 = 35432560					Recovery =	139.33%
14) i 2154_1br2nb	0.991	1.033	34292674	49369805	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	34292674	49369805	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	34292674	49369805	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	34292674	49369805	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.247	1.377	50558145	71769818	282.516	284.625
Spiked Amount 500.000	Range 30 - 150				Recovery =	56.50%
3) s Decachlorobi	4.004	4.510	35780950	49723024	249.258	233.781M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	49.85%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	2.714	3.068	3667045	4017074	269.844M4	257.764
11) l2 1260-3	3.057	3.484	1280541	1825677	144.803M4	134.403M4
12) l2 1260-4	3.227	3.626	3342453	4642975	179.749M4	162.428M1
13) l2 1260-5	3.385	3.837	3022252	4434094	224.927M1	223.300
Sum 1260-1			11312291	14919820	819.323	777.896

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:21 pm
 Operator : pest19:cw
 Sample : 12007485-15,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:02:03 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					204.831	194.474
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	2.148	2.501	866463	2101859	128.385M3	202.312
19) 14 1254-2	2.275	2.602	1499492	2733370	127.569M3	227.862M4
20) 14 1254-3	2.476	2.848	1996361	2824190	173.621M3	171.615M3
21) 14 1254-4	2.620	2.972	1338821	1373181	148.459M3	114.045
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			5701137	9032601	578.034	715.835
Average 1254-1					144.508	178.959
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:21 pm
 Operator : pest19:cw
 Sample : 12007485-15,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:02:03 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:21 pm
 Operator : pest19:cw
 Sample : 12007485-15,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:02:03 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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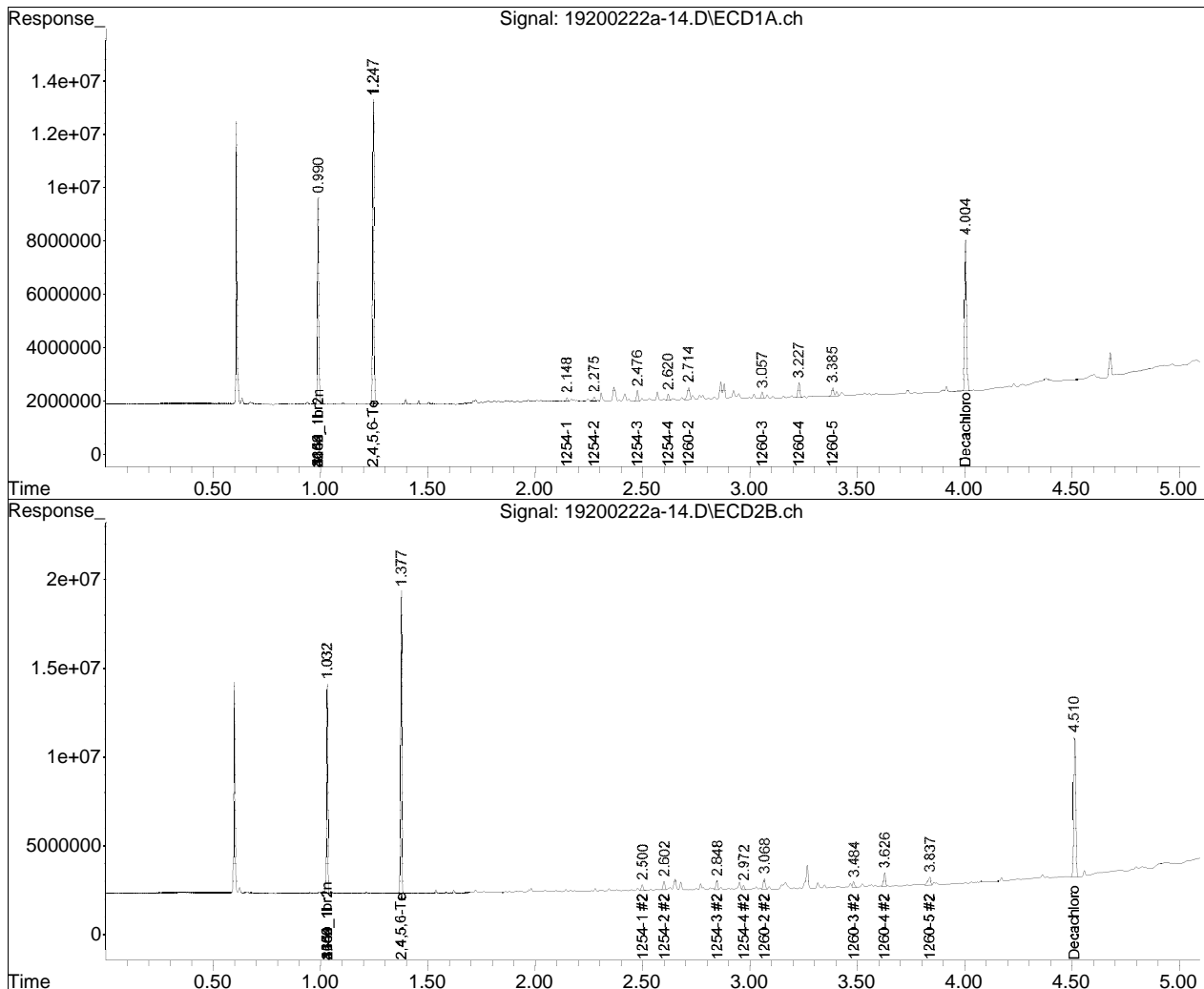
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 12:21 pm
Operator : pest19:cw
Sample : 12007485-15,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:02:03 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

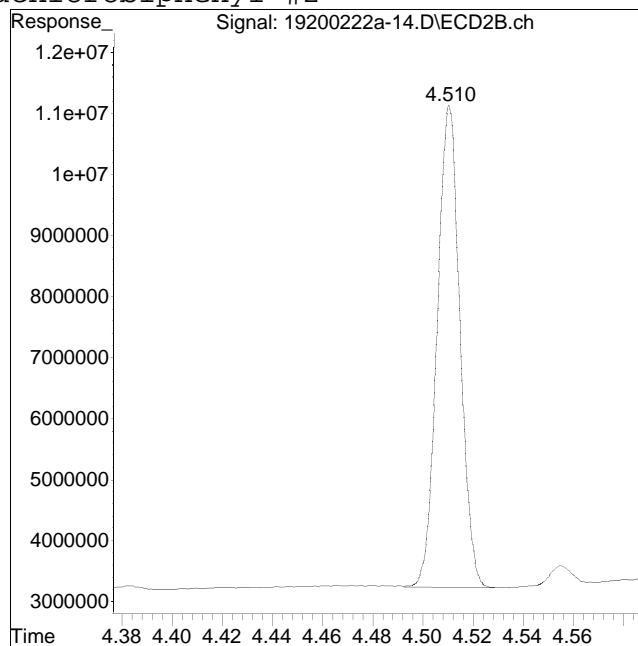
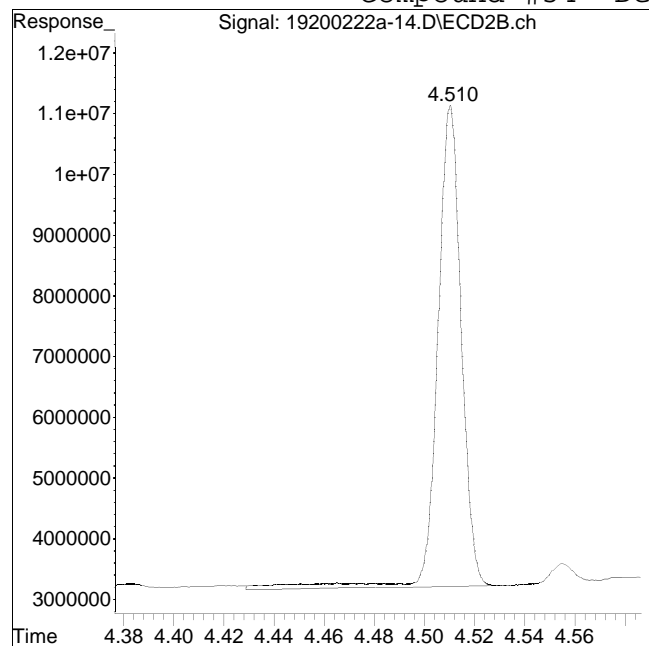


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 52981739

Manual Peak Response = 49723024 M4

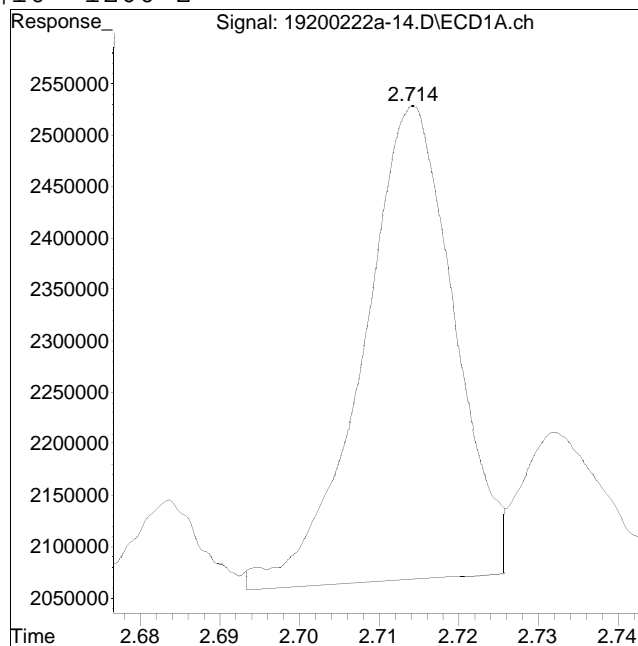
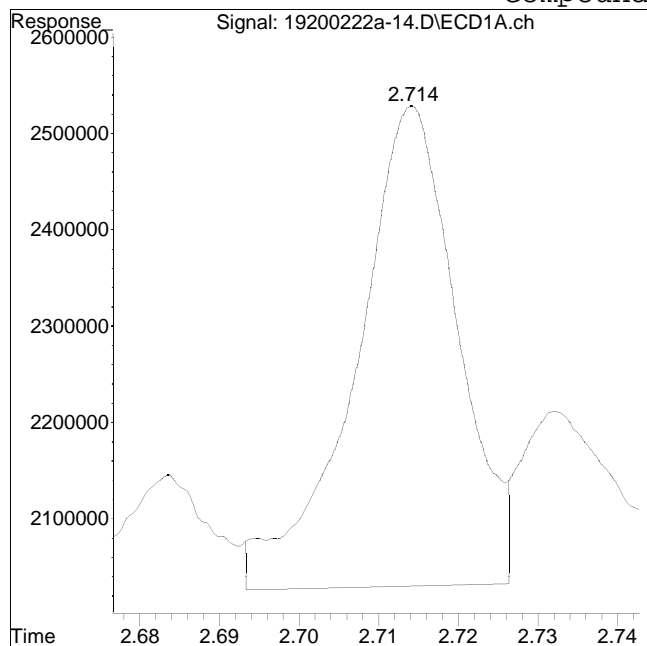
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #10: 1260-2



Original Peak Response = 4407756

Manual Peak Response = 3667045 M4

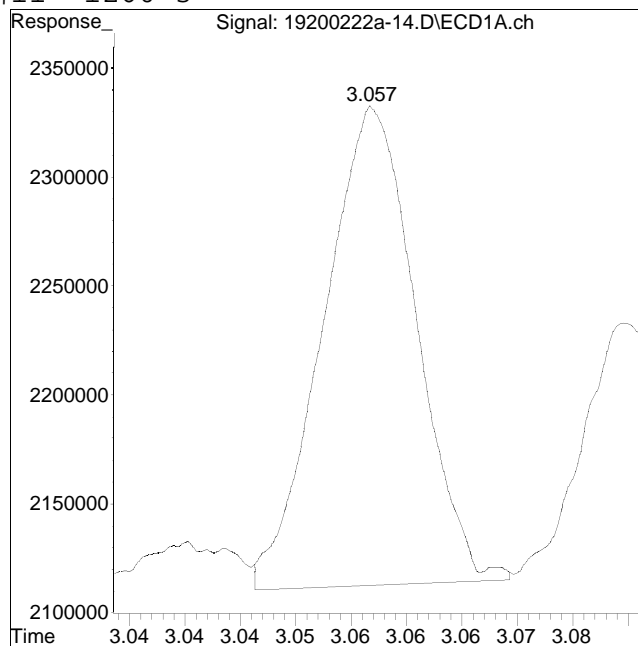
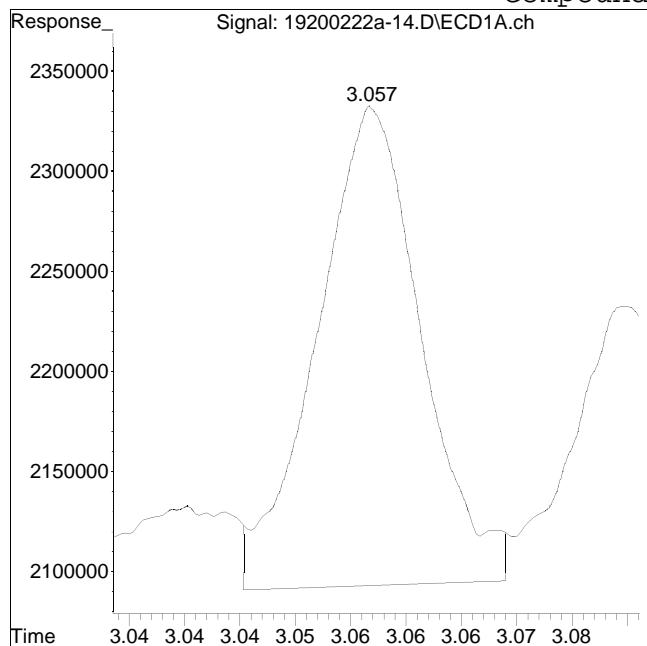
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #11: 1260-3



Original Peak Response = 1568318

Manual Peak Response = 1280541 M4

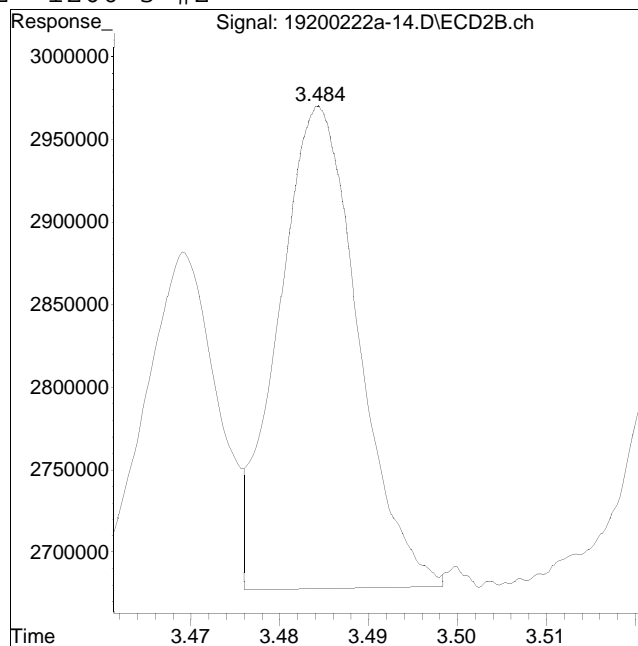
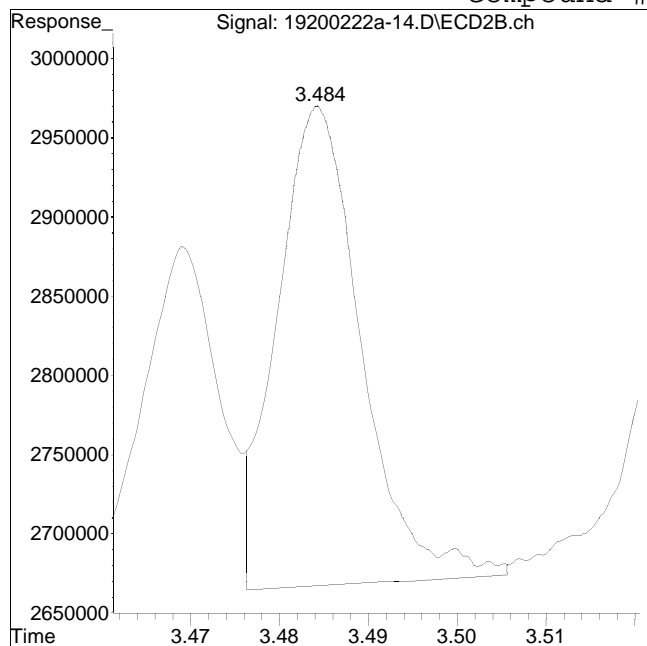
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #62: 1260-3 #2



Original Peak Response = 2025411

Manual Peak Response = 1825677 M4

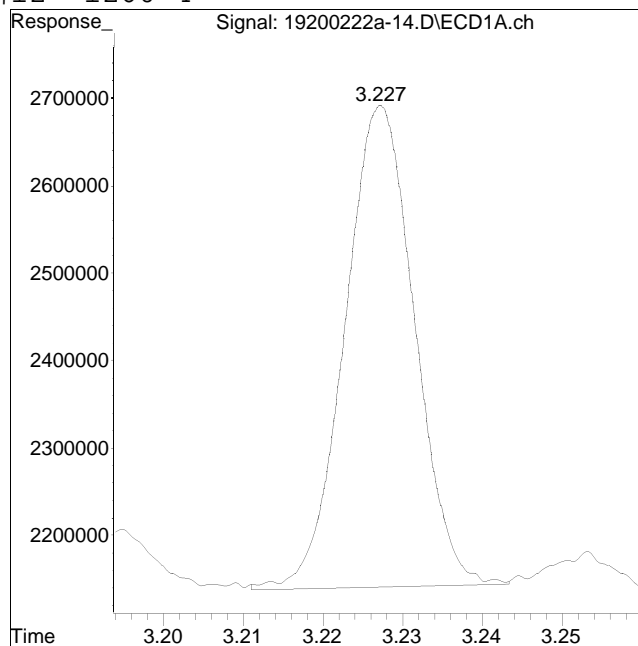
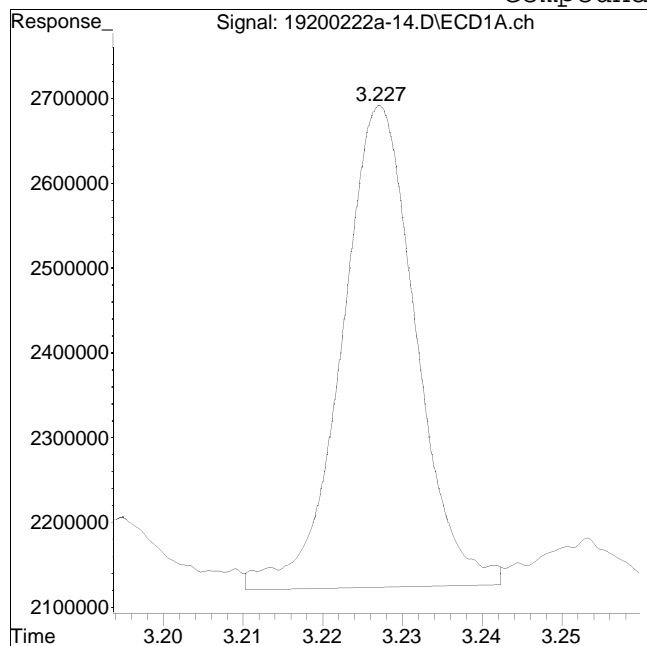
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #12: 1260-4



Original Peak Response = 3668372

Manual Peak Response = 3342453 M4

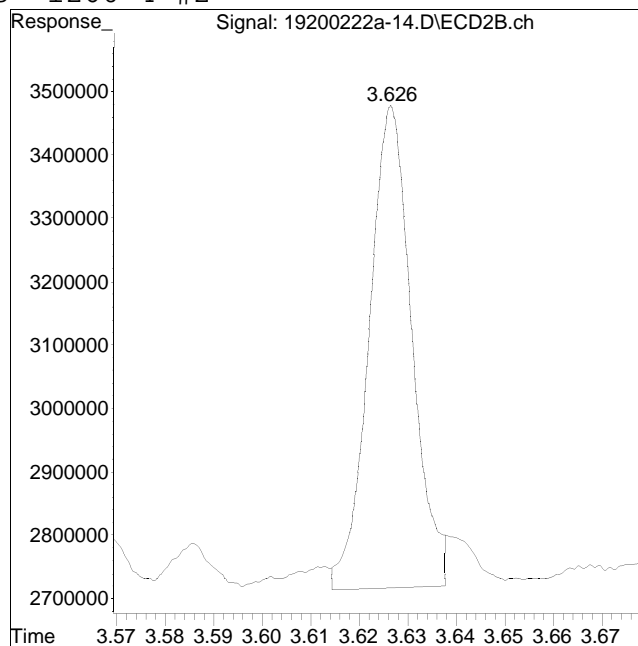
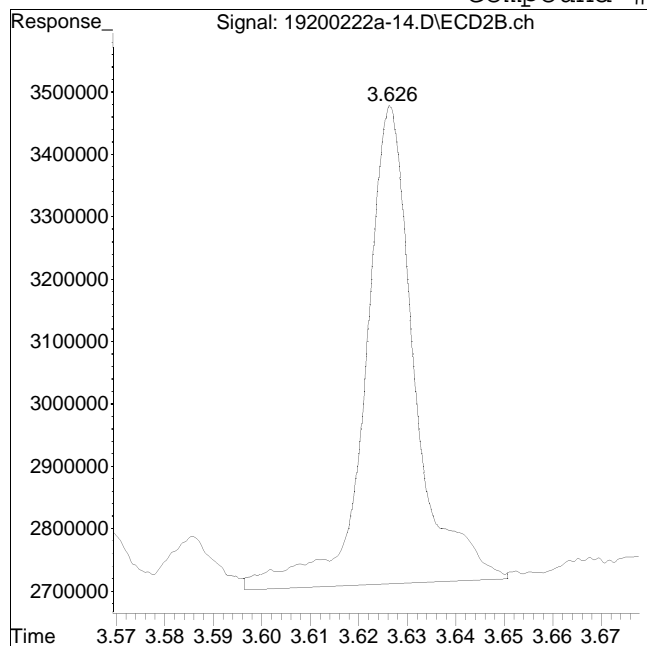
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #63: 1260-4 #2



Original Peak Response = 5449476

Manual Peak Response = 4642975 M1

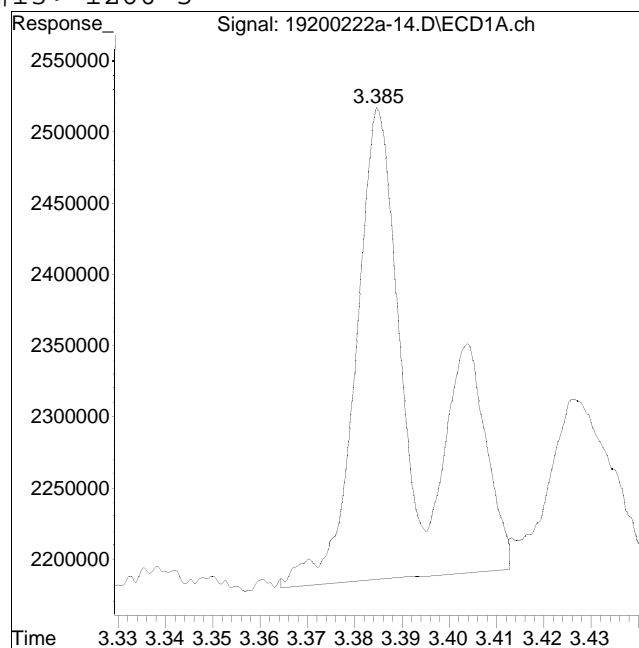
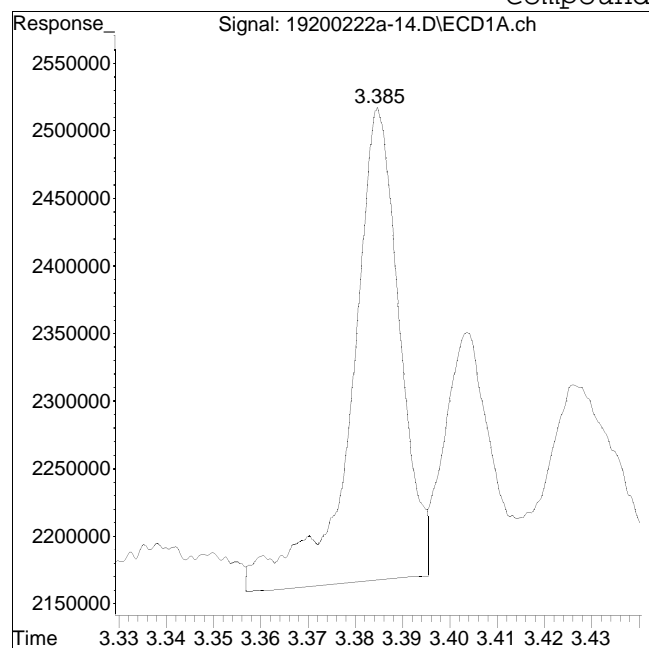
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #13: 1260-5



Original Peak Response = 2487031

Manual Peak Response = 3022252 M1

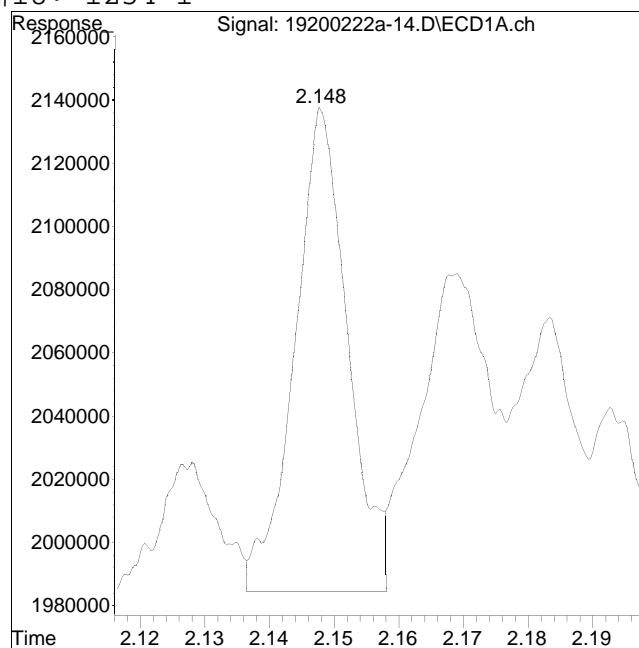
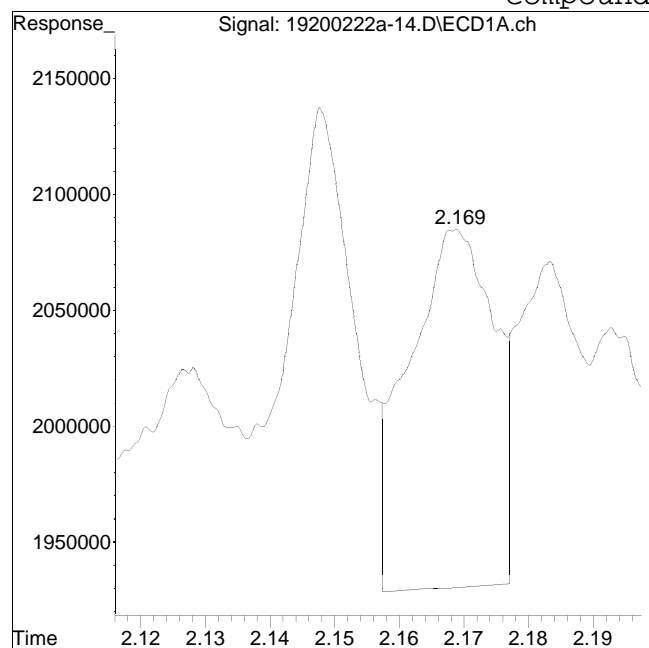
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #18: 1254-1



Original Peak Response = 1413432

Manual Peak Response = 866463 M3

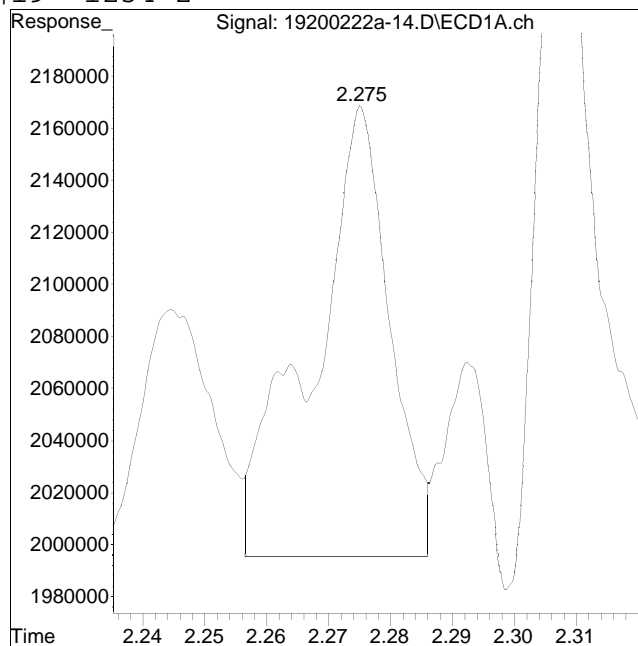
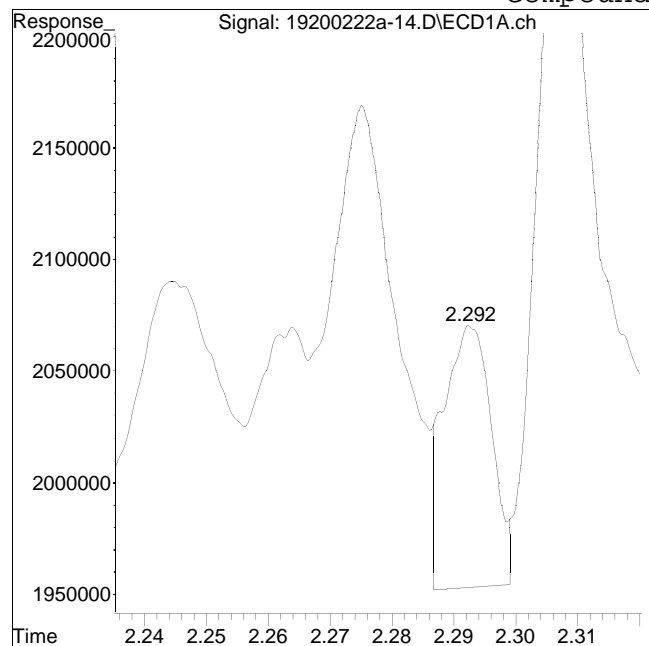
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #19: 1254-2



Original Peak Response = 643470

Manual Peak Response = 1499492 M3

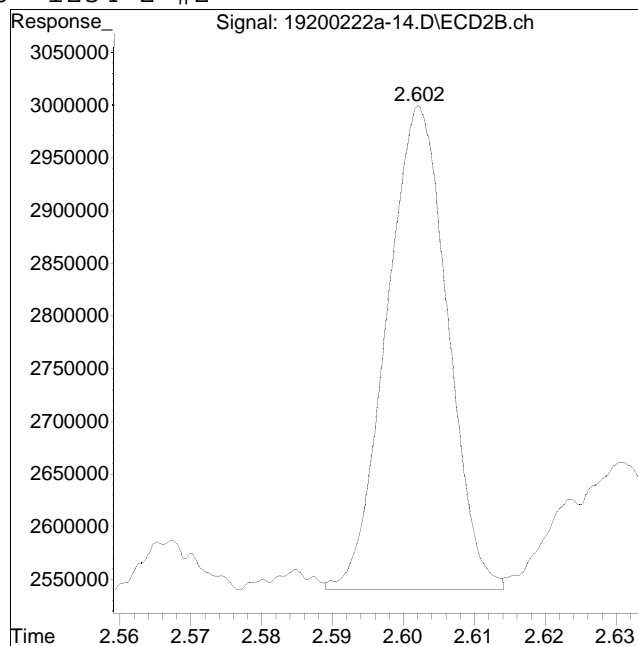
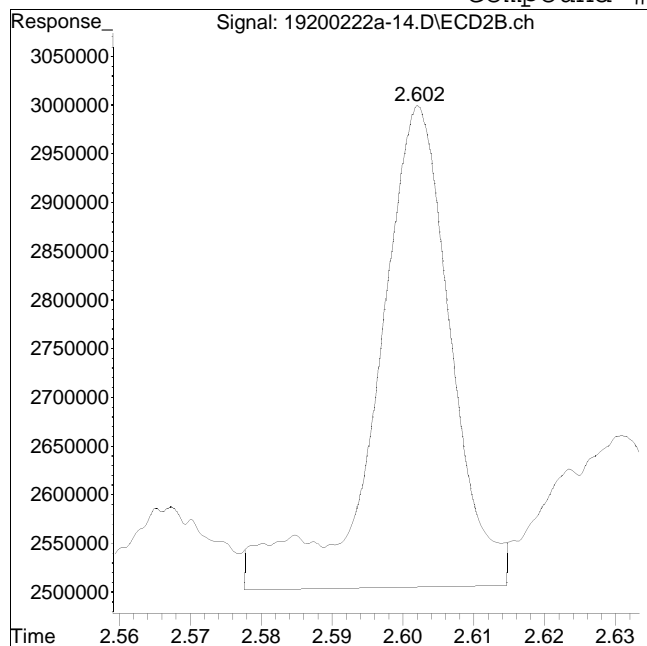
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #70: 1254-2 #2



Original Peak Response = 3603072

Manual Peak Response = 2733370 M4

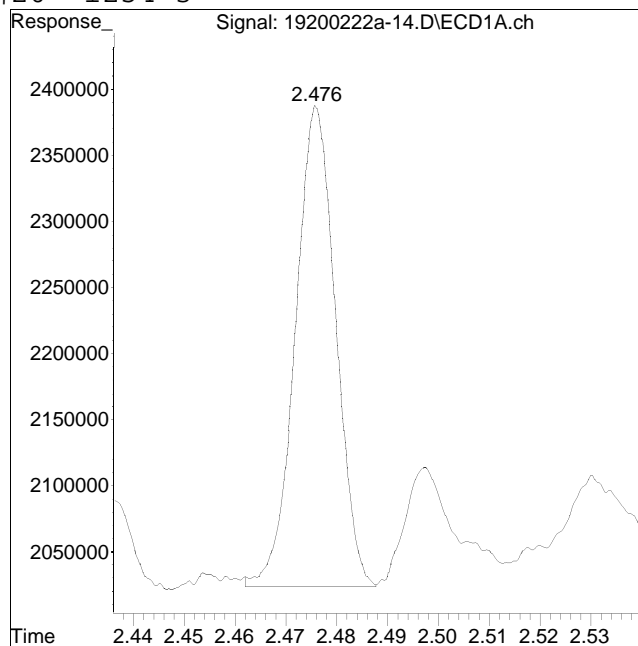
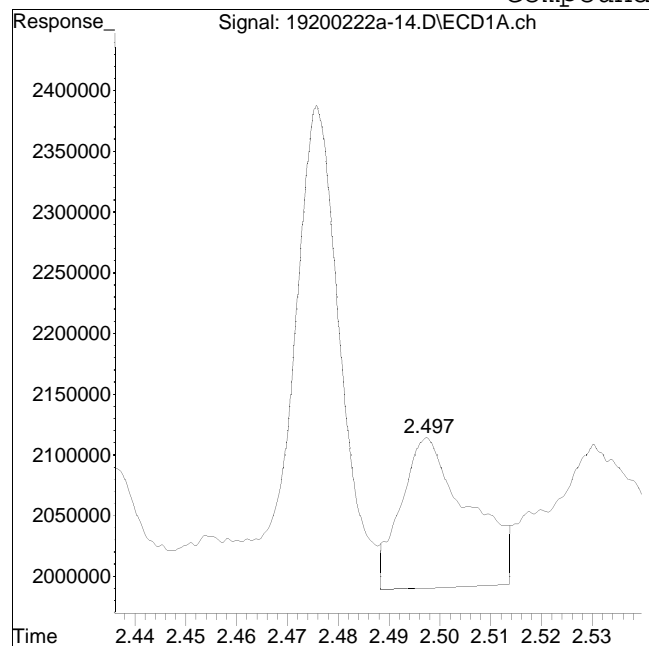
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #20: 1254-3



Original Peak Response = 1144825

Manual Peak Response = 1996361 M3

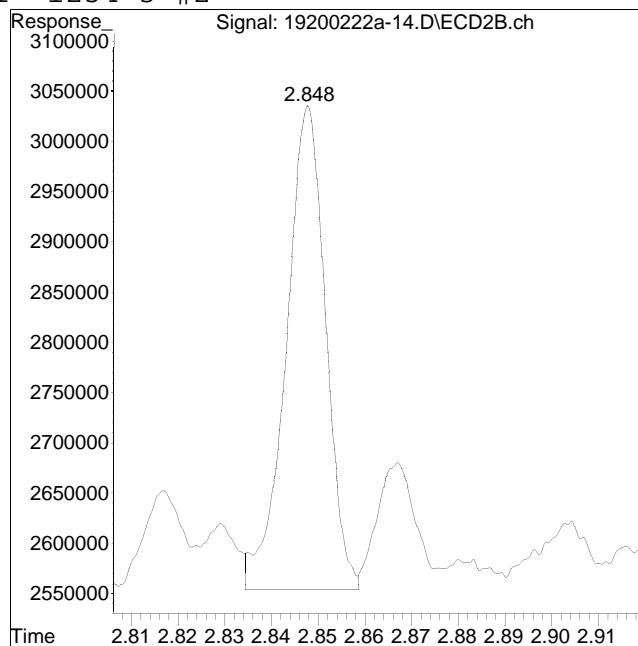
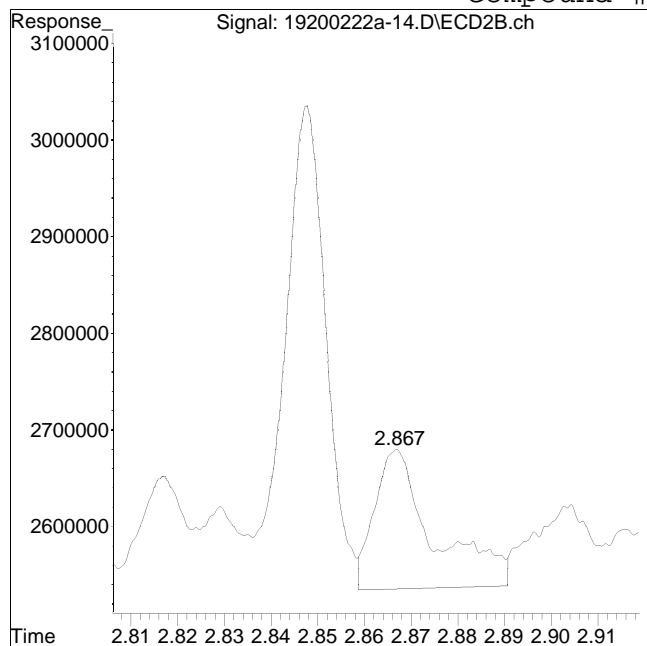
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #71: 1254-3 #2



Original Peak Response = 1269697

Manual Peak Response = 2824190 M3

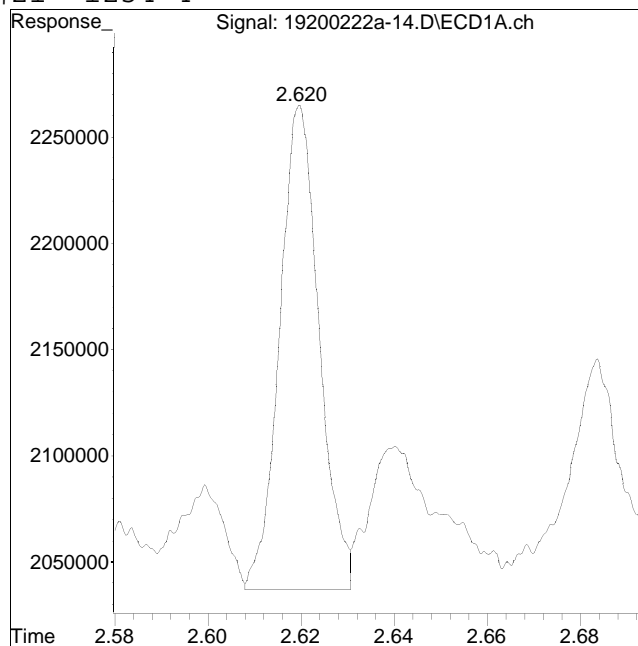
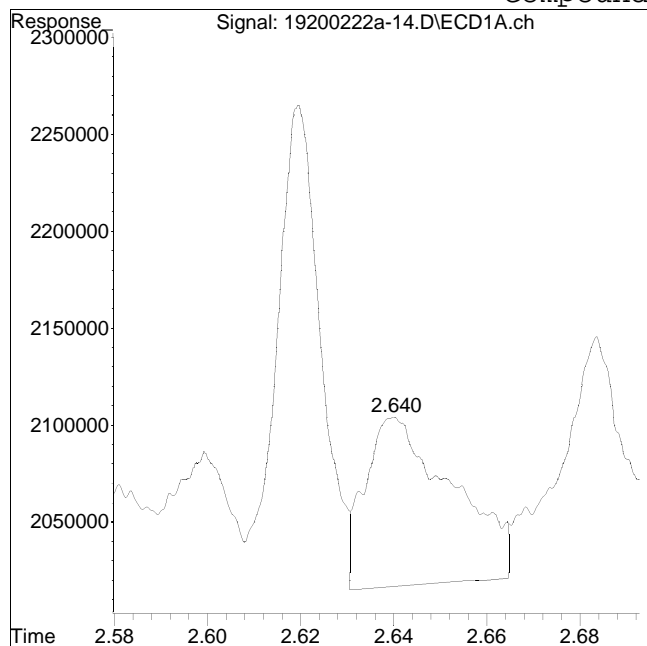
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-14.D
Date Inj'd : 2/22/2020 12:21 pm
Sample : 12007485-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:26 pm

Compound #21: 1254-4



Original Peak Response = 1132940

Manual Peak Response = 1338821 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:49 pm
 Operator : pest19:cw
 Sample : 12007485-21,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:04:15 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.033	31825215	46527293	250.000	250.000
Standard Area 1 : #1 = 23924273					Recovery =	133.02%
Standard Area 1 : #2 = 35432560					Recovery =	131.31%
14) i 2154_1br2nb	0.991	1.033	31825215	46527293	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	31825215	46527293	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	31825215	46527293	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	31825215	46527293	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.378	43669067	62192871	262.940	261.713
Spiked Amount 500.000	Range 30 - 150				Recovery =	52.59%
3) s Decachlorobi	4.004	4.510	34040665	58041426	255.521	289.563M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	51.10%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.569	2.953	22036133	29368124	2627.195	2346.438
10) l2 1260-2	2.713	3.067	42425205	49226393	3363.953	3351.695M1
11) l2 1260-3	3.057	3.484	27105615	32972949	3302.724	2575.714M4
12) l2 1260-4	3.227	3.627	59312043	86764226	3436.960	3220.770
13) l2 1260-5	3.384	3.838	47796226	62890746	3832.970M1	3360.657M4
Sum 1260-1			198.7E6	261.2E6	16563.802	14855.274
Average 1260-1					3312.760	2971.055

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:49 pm
 Operator : pest19:cw
 Sample : 12007485-21,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:04:15 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:49 pm
 Operator : pest19:cw
 Sample : 12007485-21,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:04:15 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 12:49 pm
Operator : pest19:cw
Sample : 12007485-21,42e,,
Misc : wgl1343434,wgl1343014,ical16321
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:04:15 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

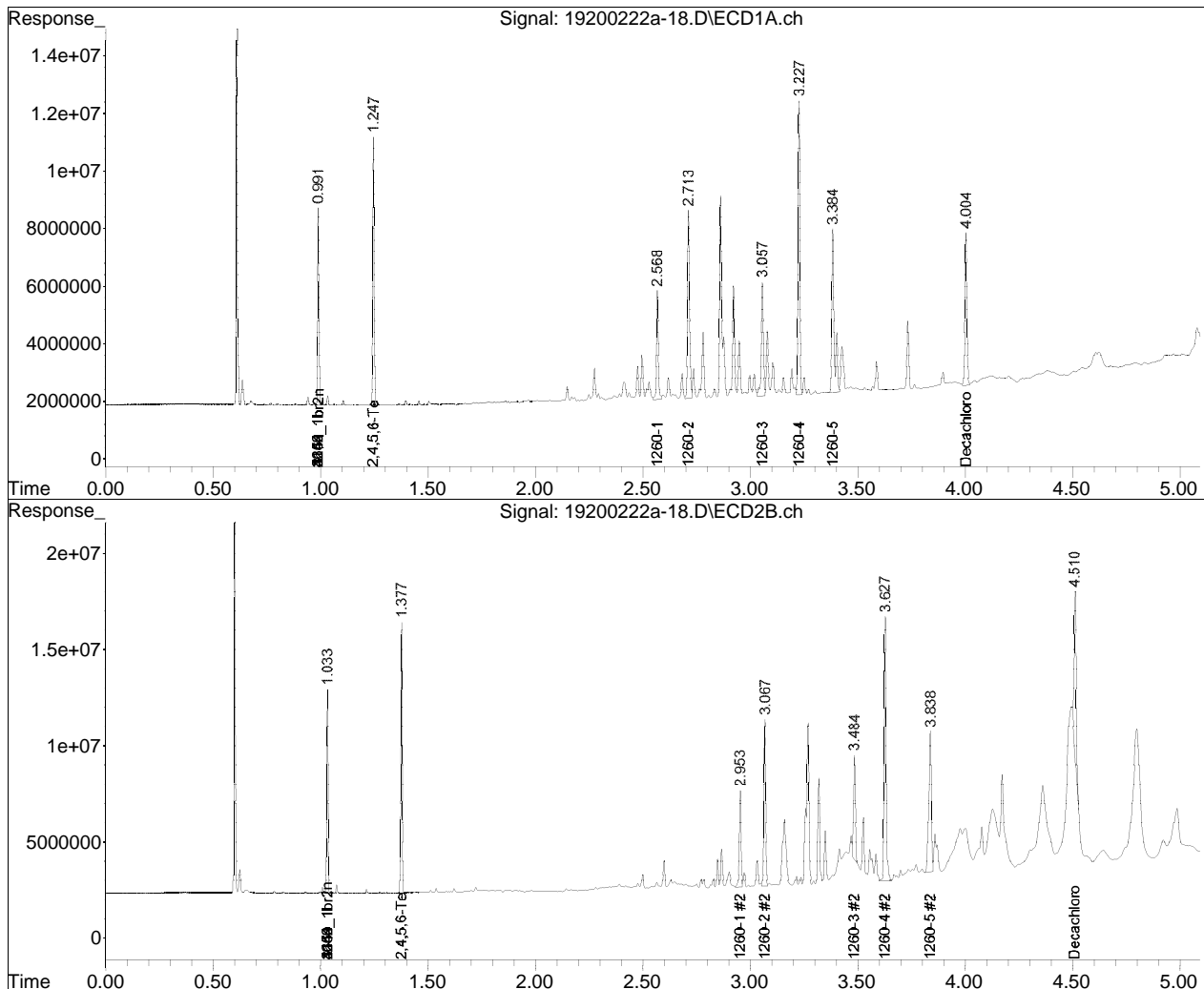
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 12:49 pm
Operator : pest19:cw
Sample : 12007485-21,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:04:15 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

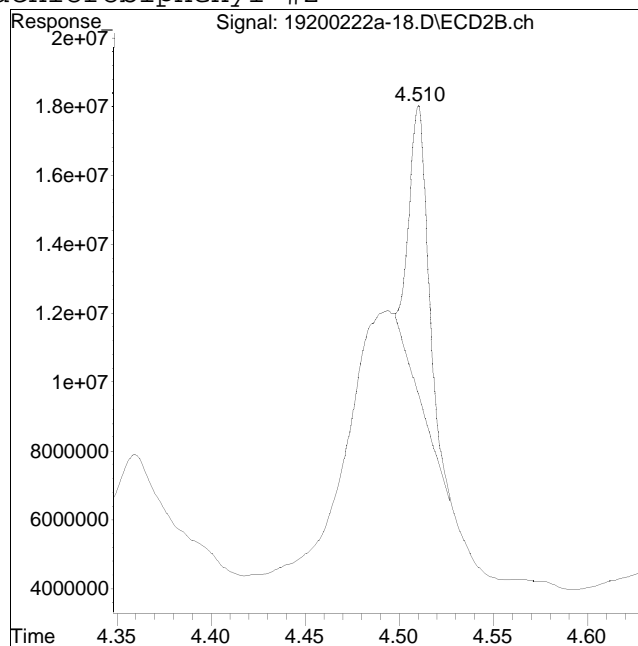
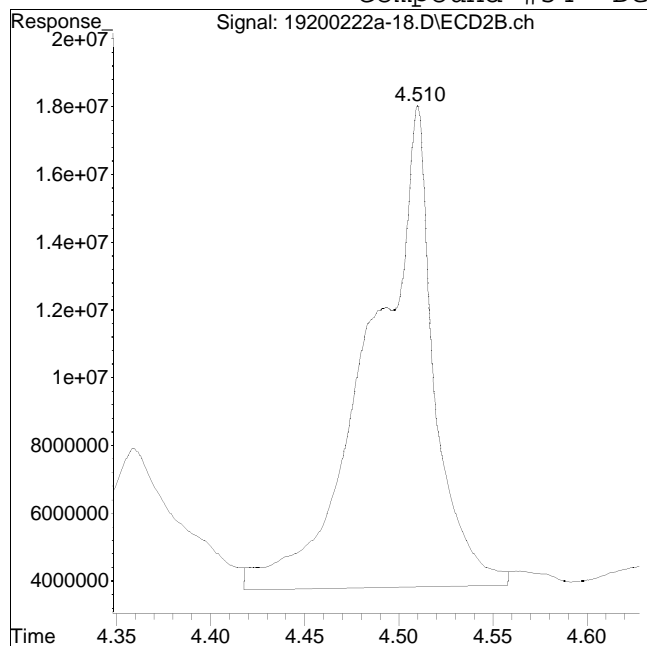


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-18.D
Date Inj'd : 2/22/2020 12:49 pm
Sample : 12007485-21,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 329624988

Manual Peak Response = 58041426 M4

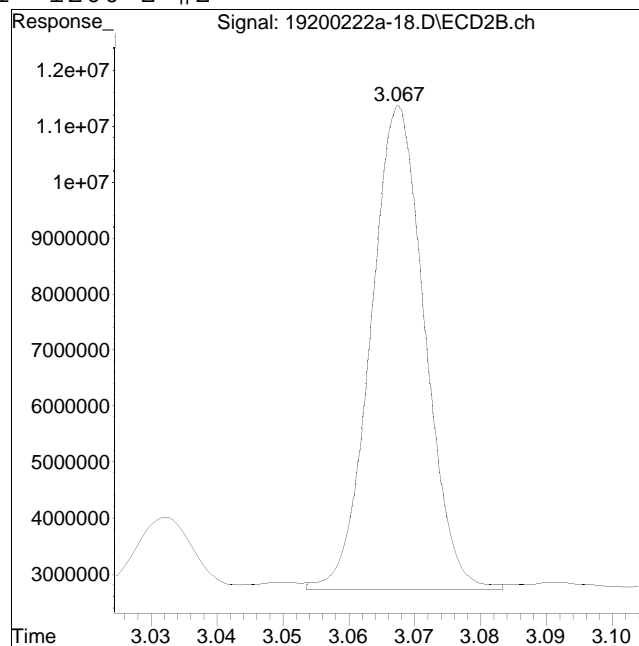
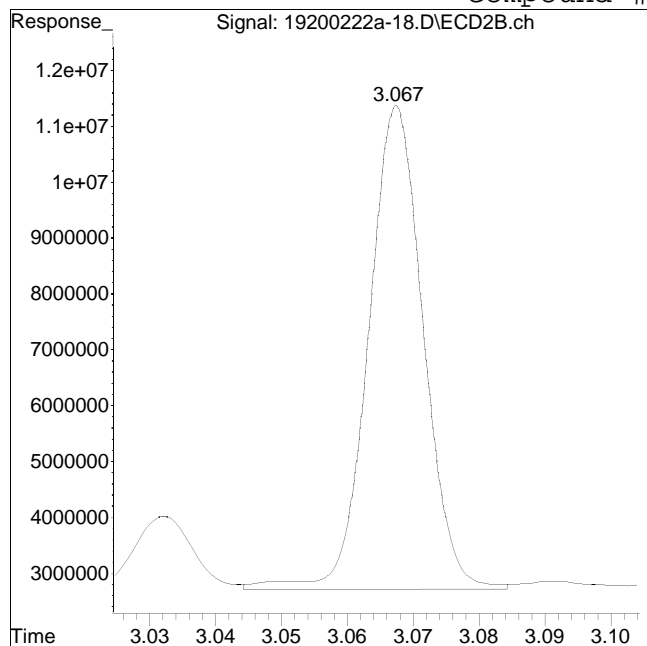
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-18.D
Date Inj'd : 2/22/2020 12:49 pm
Sample : 12007485-21,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #61: 1260-2 #2



Original Peak Response = 50241193

Manual Peak Response = 49226393 M1

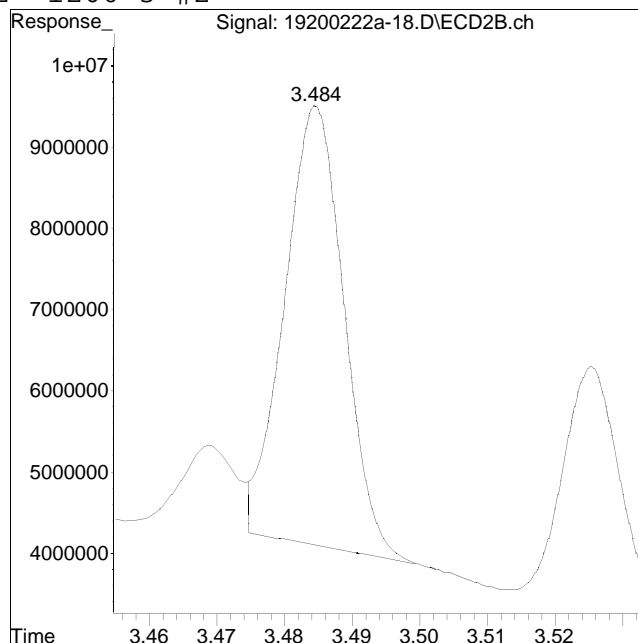
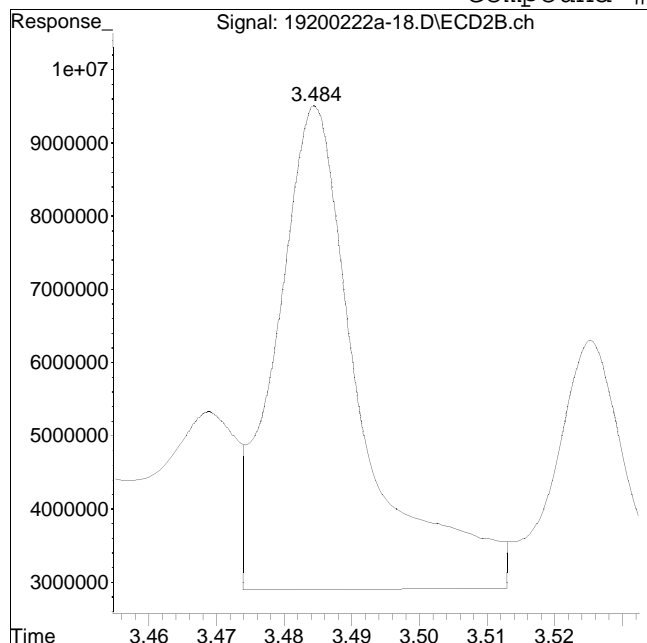
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-18.D
Date Inj'd : 2/22/2020 12:49 pm
Sample : 12007485-21,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #62: 1260-3 #2



Original Peak Response = 57628825

Manual Peak Response = 32972949 M4

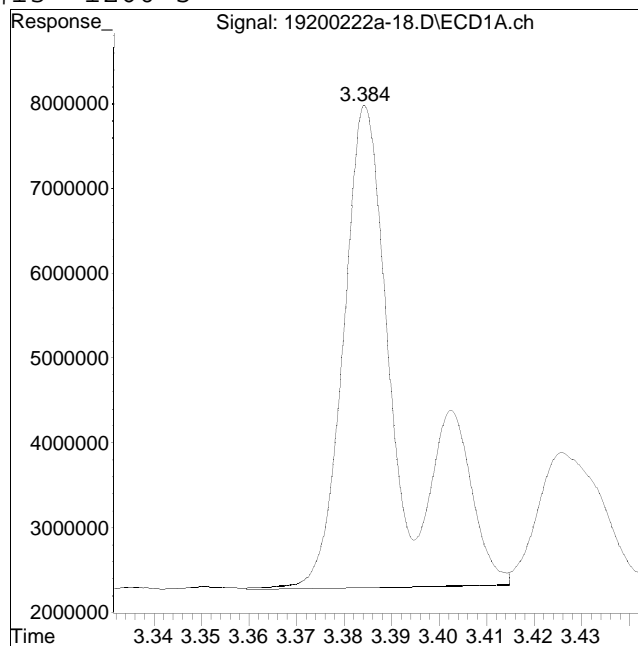
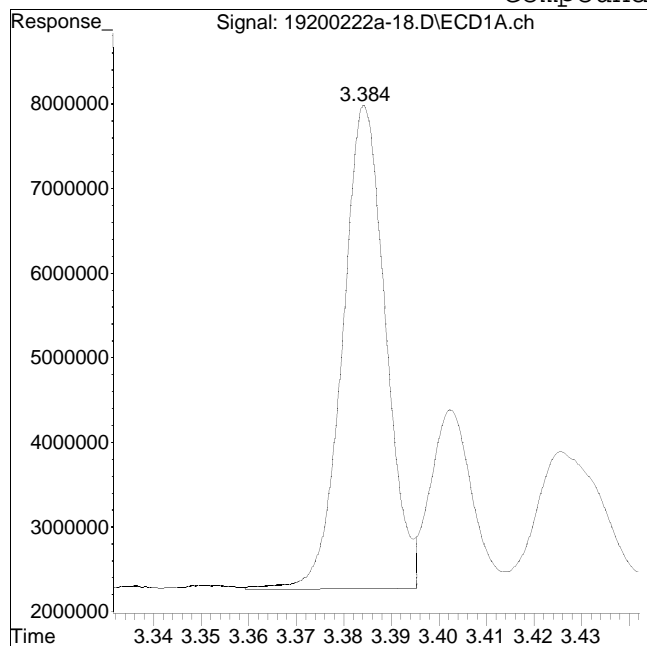
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-18.D
Date Inj'd : 2/22/2020 12:49 pm
Sample : 12007485-21,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #13: 1260-5



Original Peak Response = 35903240

Manual Peak Response = 47796226 M1

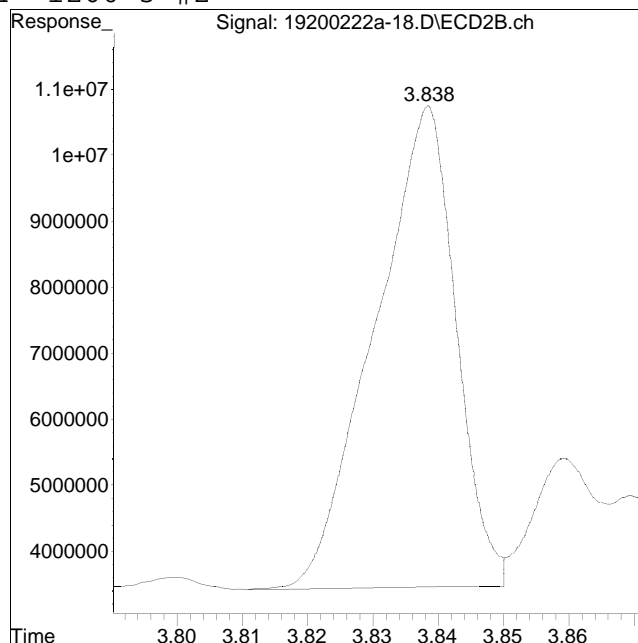
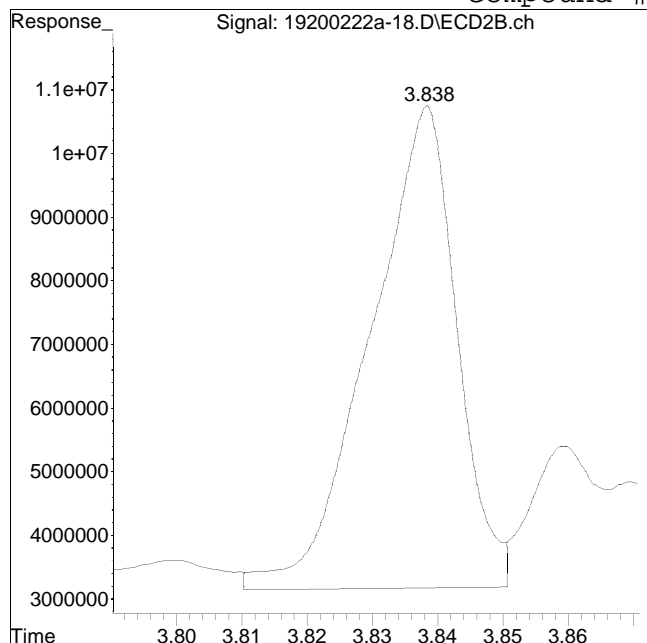
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-18.D
Date Inj'd : 2/22/2020 12:49 pm
Sample : 12007485-21,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #64: 1260-5 #2



Original Peak Response = 69676321

Manual Peak Response = 62890746 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:56 pm
 Operator : pest19:cw
 Sample : 12007485-22,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:05:30 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.033	34339250	50232091	250.000	250.000
Standard Area 1 : #1 = 23924273					Recovery = 143.53%	
Standard Area 1 : #2 = 35432560					Recovery = 141.77%	
14) i 2154_1br2nb	0.991	1.033	34339250	50232091	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	34339250	50232091	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	34339250	50232091	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	34339250	50232091	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.378	54850509	77829832	306.086	303.359
Spiked Amount 500.000	Range 30 - 150				Recovery = 61.22%	60.67%
3) s Decachlorobi	4.002	4.510	40063781	57912999	278.715M4	267.613M4
Spiked Amount 500.000	Range 30 - 150				Recovery = 55.74%	53.52%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.568	2.953	5848918	8081746	646.269M4	598.087M4
10) l2 1260-2	2.713	3.067	11805548	13020810	867.546M4	821.166
11) l2 1260-3	3.057	3.484	6757404	8838167	763.086	639.482M4
12) l2 1260-4	3.226	3.626	16153308	22338643	867.508M4	768.073M4
13) l2 1260-5	3.384	3.838	12963078	16968557	963.453M1	839.864M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:56 pm
 Operator : pest19:cw
 Sample : 12007485-22,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:05:30 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1				53528256	69247922	4107.862	3666.672
Average 1260-1						821.572	733.334
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2				0	0	N.D.	N.D.
Average 1221-2						0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1				0	0	N.D.	N.D.
Average 1254-1						0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1				0	0	N.D.	N.D.
Average 1242-1						0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1				0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:56 pm
 Operator : pest19:cw
 Sample : 12007485-22,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:05:30 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 12:56 pm
 Operator : pest19:cw
 Sample : 12007485-22,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:05:30 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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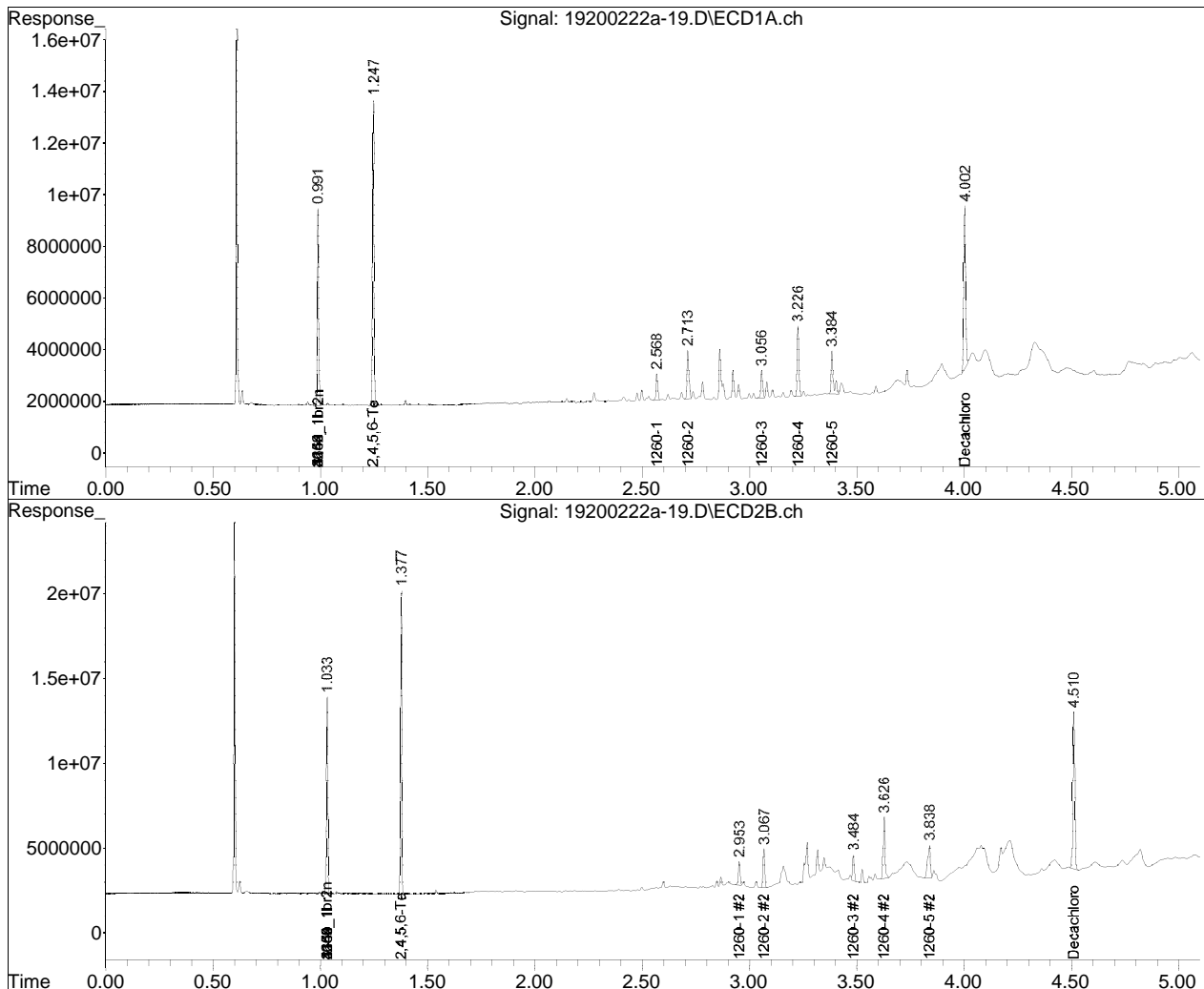
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 12:56 pm
Operator : pest19:cw
Sample : 12007485-22,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:05:30 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

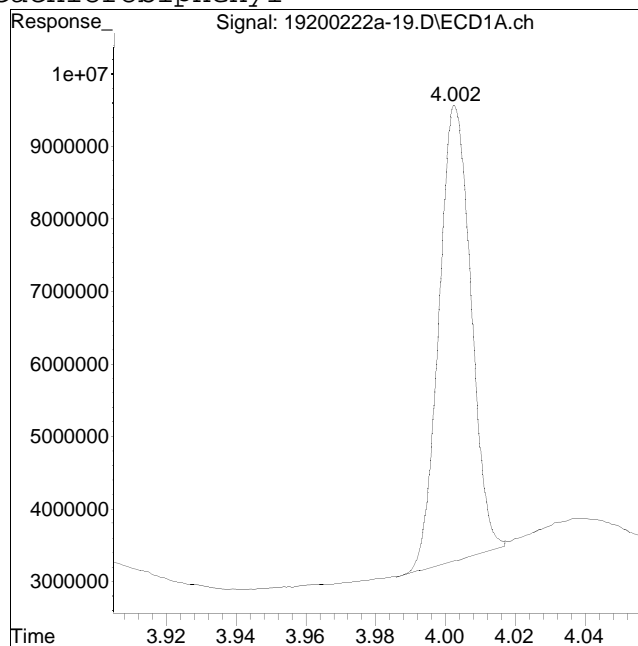
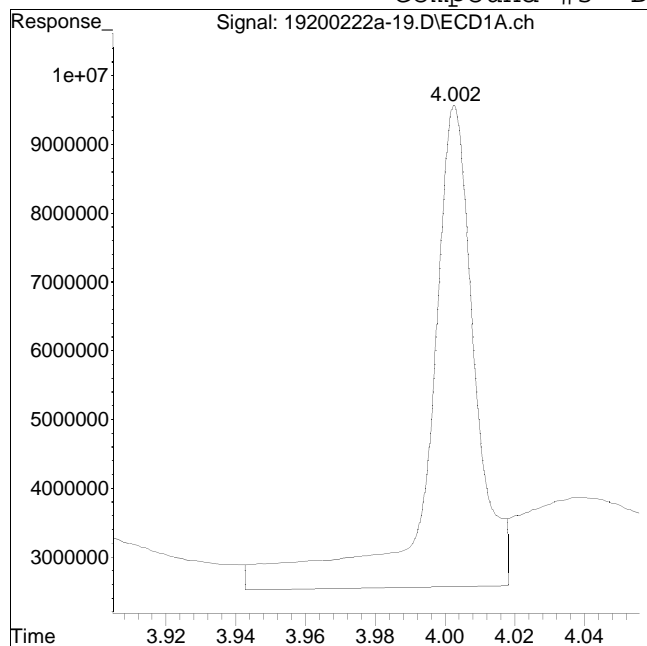


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-19.D
Date Inj'd : 2/22/2020 12:56 pm
Sample : 12007485-22,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 64754489

Manual Peak Response = 40063781 M4

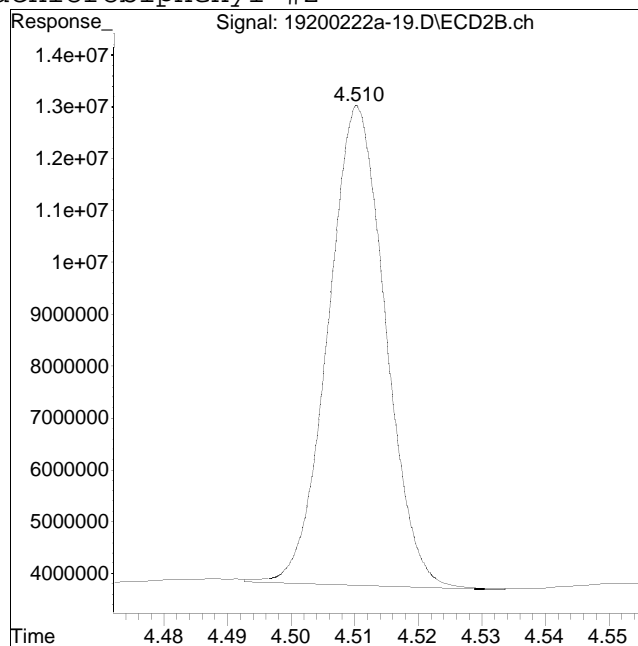
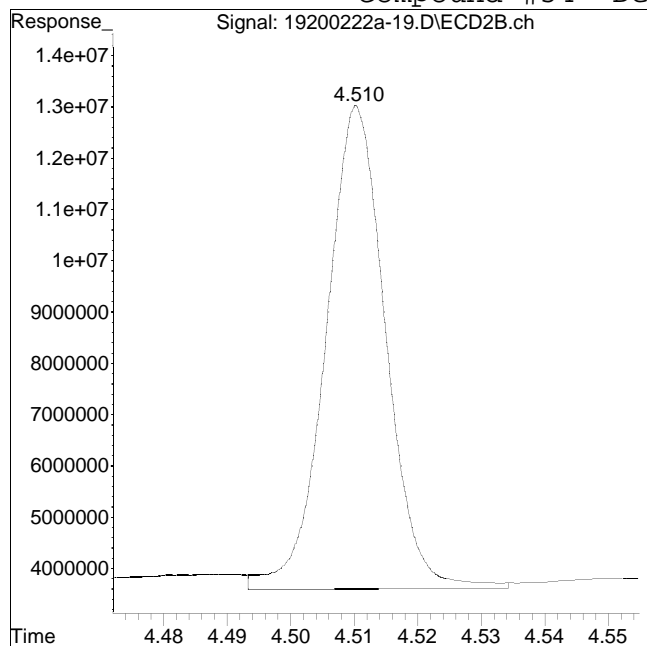
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-19.D
Date Inj'd : 2/22/2020 12:56 pm
Sample : 12007485-22,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 61747245

Manual Peak Response = 57912999 M4

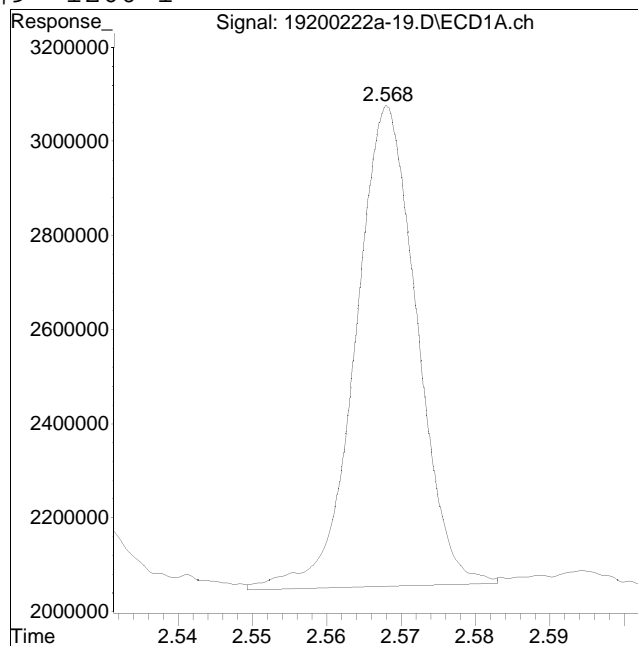
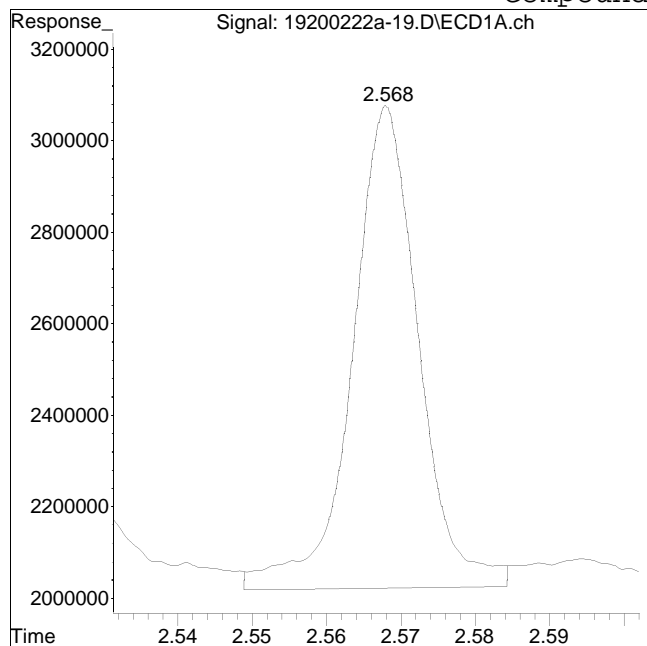
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-19.D
Date Inj'd : 2/22/2020 12:56 pm
Sample : 12007485-22,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #9: 1260-1



Original Peak Response = 6537079

Manual Peak Response = 5848918 M4

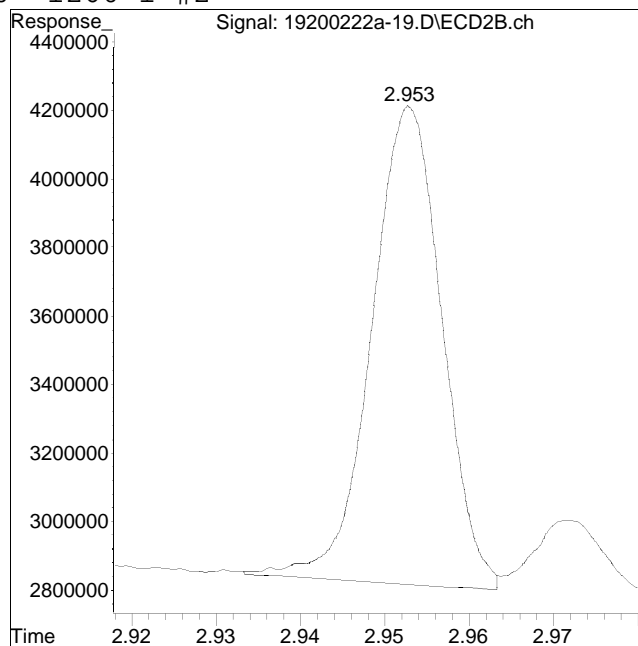
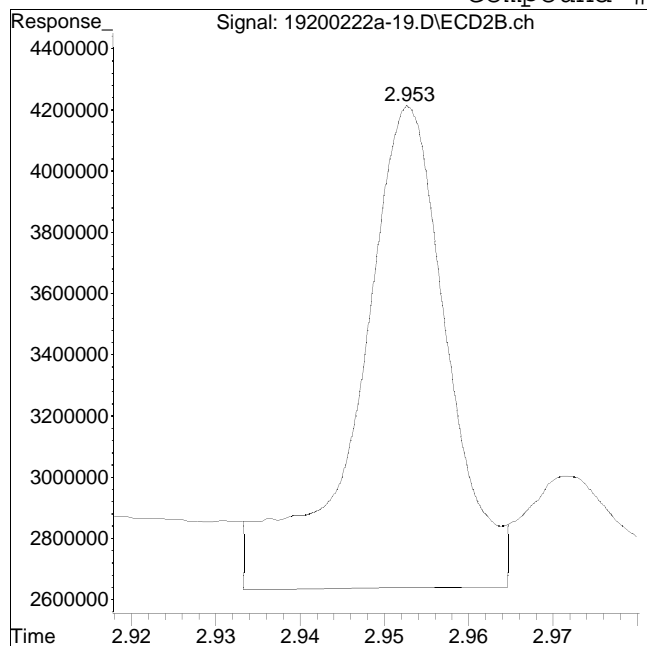
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-19.D
Date Inj'd : 2/22/2020 12:56 pm
Sample : 12007485-22,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #60: 1260-1 #2



Original Peak Response = 11605640

Manual Peak Response = 8081746 M4

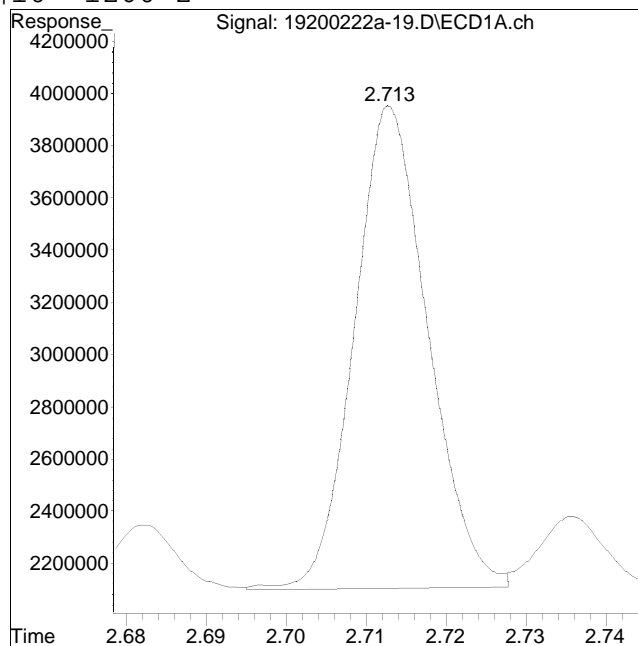
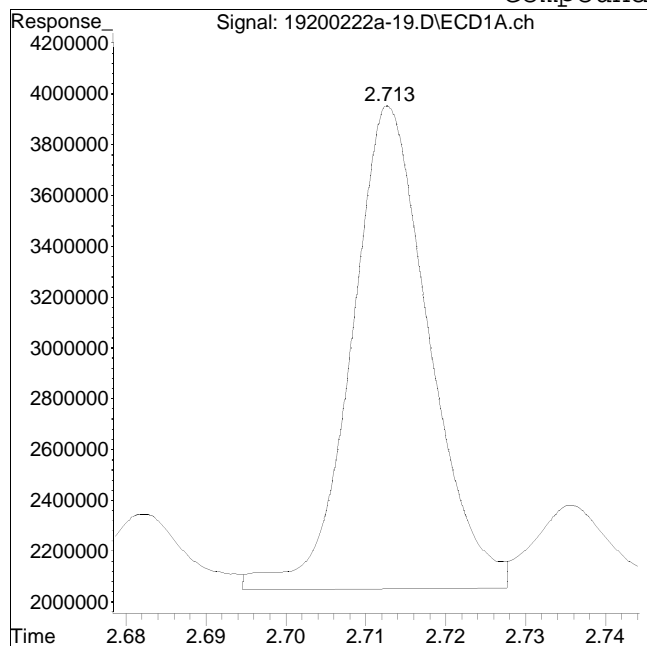
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-19.D
Date Inj'd : 2/22/2020 12:56 pm
Sample : 12007485-22,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #10: 1260-2



Original Peak Response = 12831825

Manual Peak Response = 11805548 M4

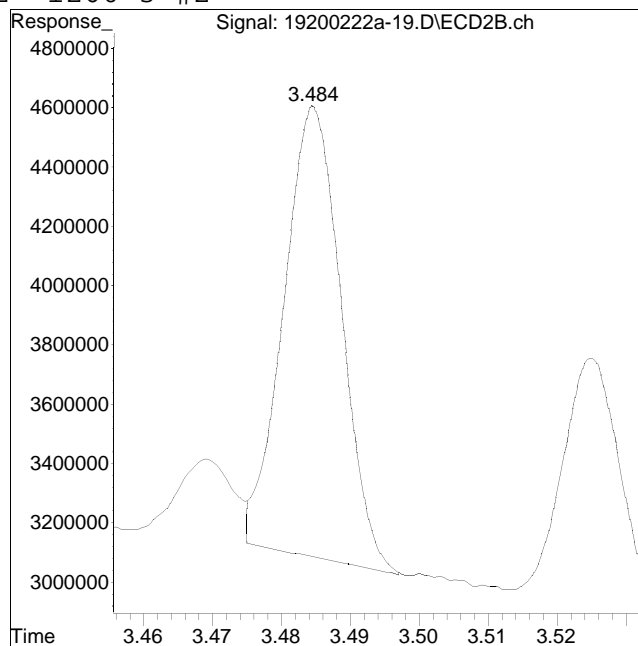
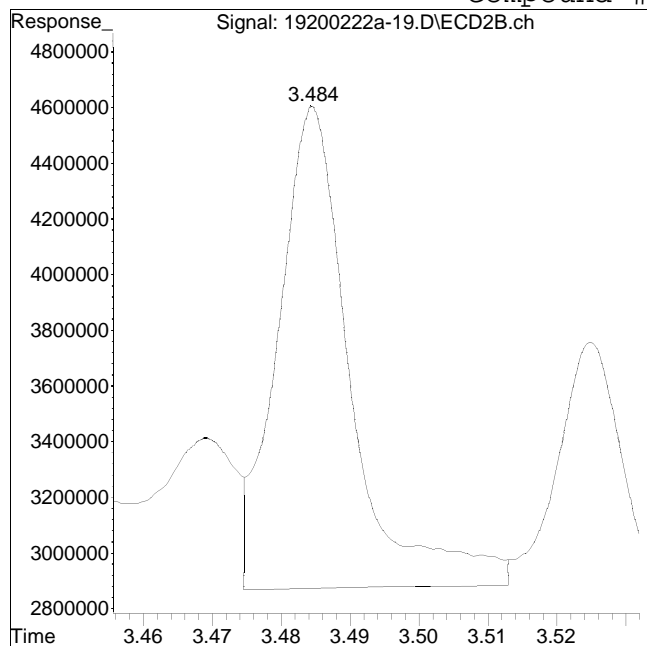
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-19.D
Date Inj'd : 2/22/2020 12:56 pm
Sample : 12007485-22,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #62: 1260-3 #2



Original Peak Response = 12872411

Manual Peak Response = 8838167 M4

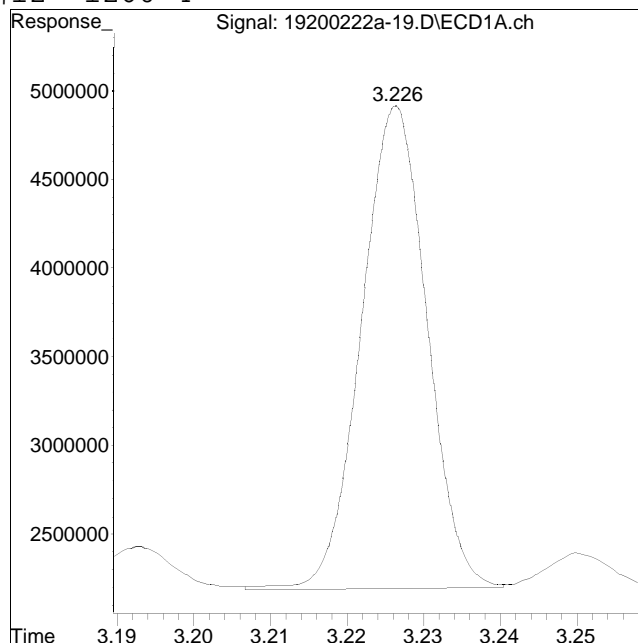
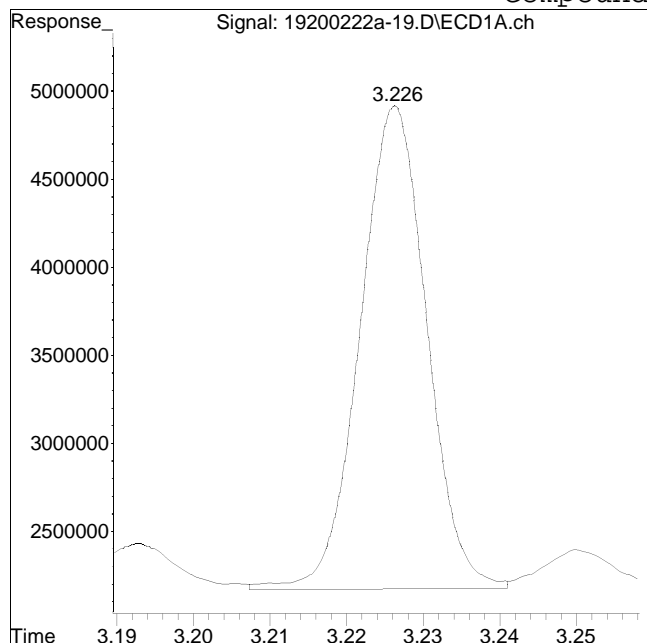
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-19.D
Date Inj'd : 2/22/2020 12:56 pm
Sample : 12007485-22,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #12: 1260-4



Original Peak Response = 16577341

Manual Peak Response = 16153308 M4

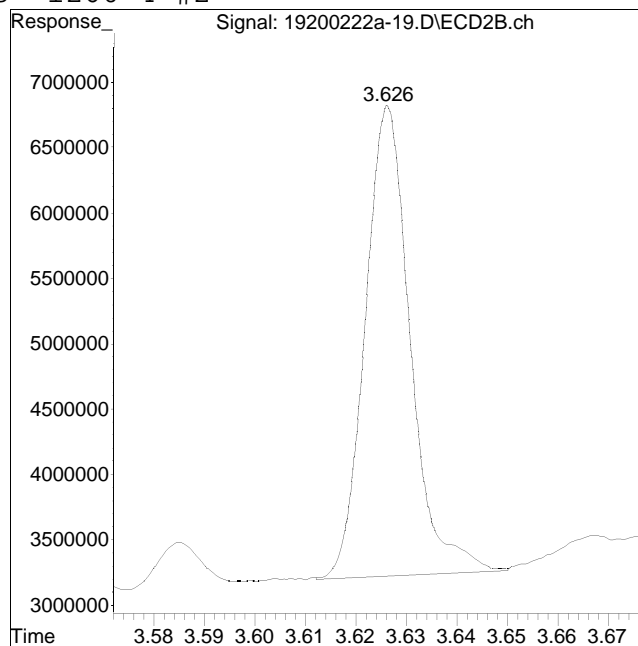
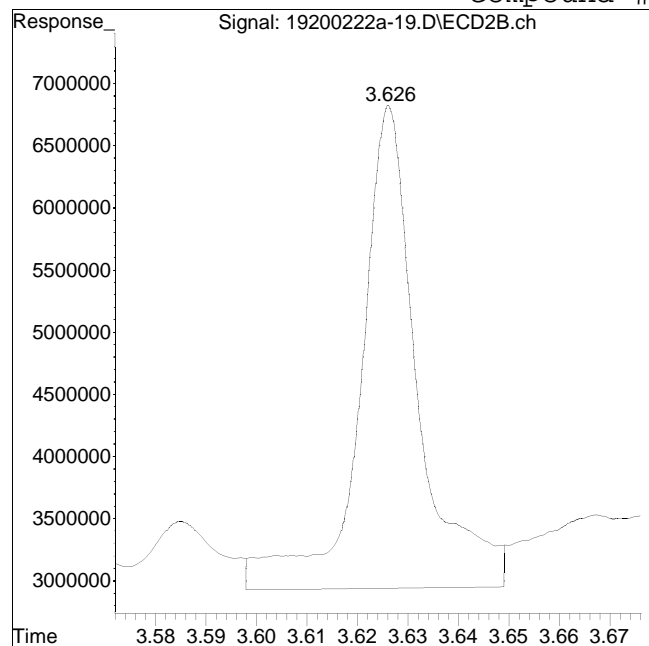
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-19.D
Date Inj'd : 2/22/2020 12:56 pm
Sample : 12007485-22,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #63: 1260-4 #2



Original Peak Response = 30898368

Manual Peak Response = 22338643 M4

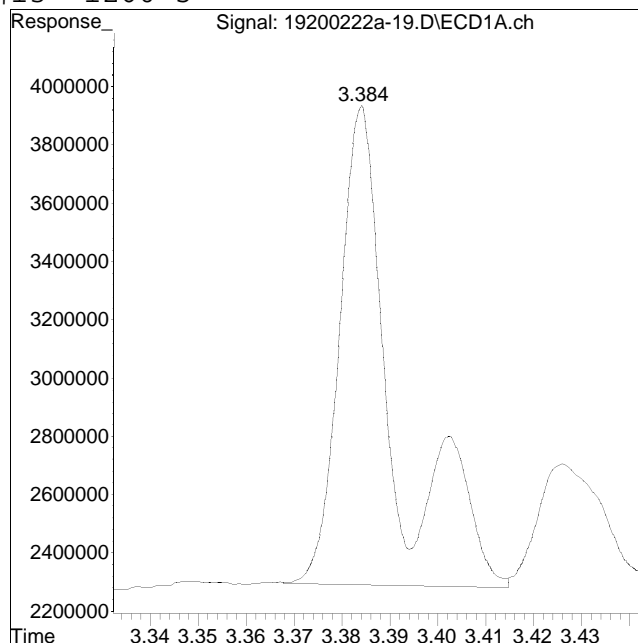
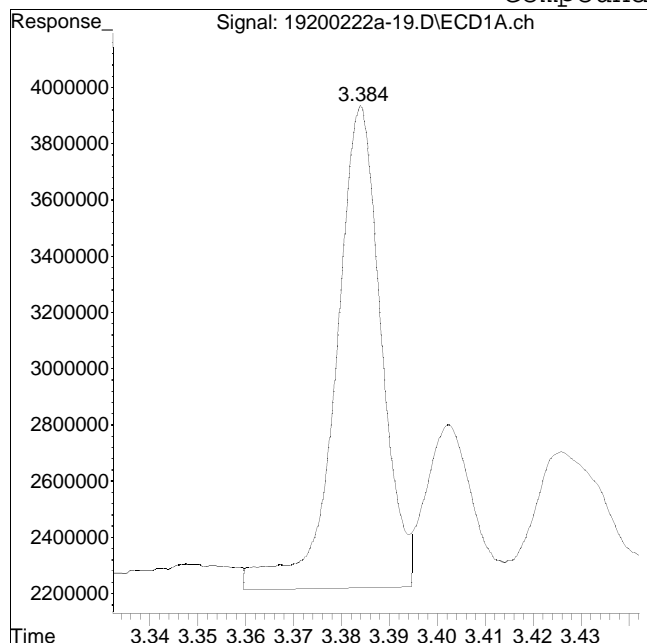
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-19.D
Date Inj'd : 2/22/2020 12:56 pm
Sample : 12007485-22,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #13: 1260-5



Original Peak Response = 11283705

Manual Peak Response = 12963078 M1

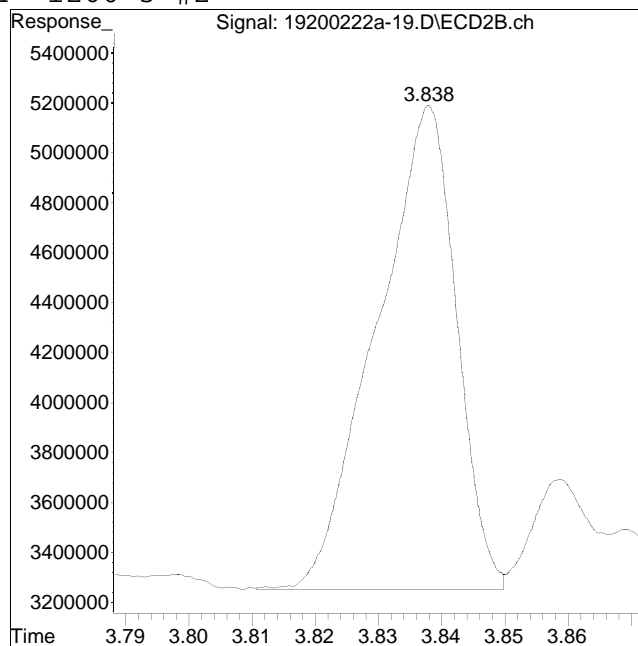
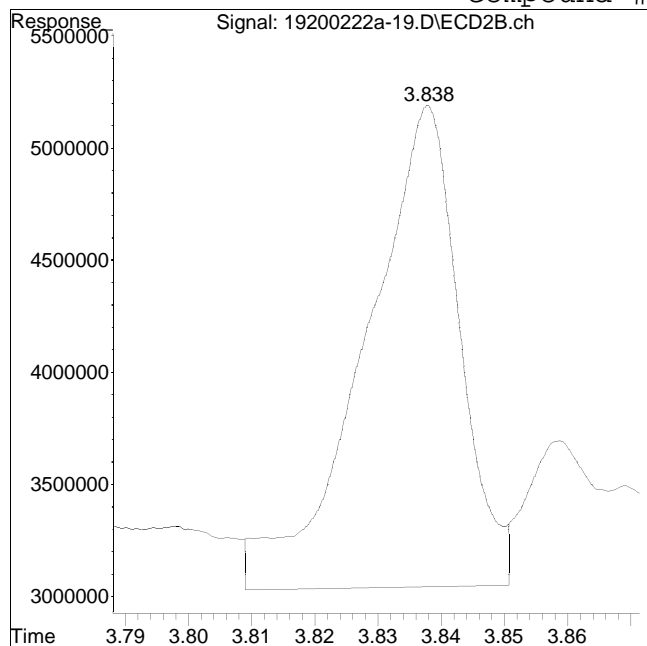
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-19.D
Date Inj'd : 2/22/2020 12:56 pm
Sample : 12007485-22,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #64: 1260-5 #2



Original Peak Response = 22265694

Manual Peak Response = 16968557 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 03:04 pm
 Operator : pest19:cw
 Sample : l2007485-24,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:07:28 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.990	1.032	31730684	46519536	250.000	250.000
Standard Area 1 : #1 = 28484817					Recovery =	111.40%
Standard Area 1 : #2 = 41473232					Recovery =	112.17%
14) i 2154_1br2nb	0.990	1.032	31730684	46519536	250.000	250.000
23) i 4268_1br2nb	0.990	1.032	31730684	46519536	250.000	250.000
34) i 1248_1br2nb	0.990	1.032	31730684	46519536	250.000	250.000
40) i 3262_1br2nb	0.990	1.032	31730684	46519536	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.246	1.376	47658019	67065155	287.813	282.263M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	57.56% 56.45%
3) s Decachlorobi	4.001	4.509	38681931	53402829	291.224M4	266.466M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	58.24% 53.29%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.567	2.951	8241217	11005275	985.463	879.440M1
10) l2 1260-2	2.711	3.066	16003499	18414201	1272.720	1253.983M1
11) l2 1260-3	3.055	3.483	9446210	12282112	1154.416	959.589M1
12) l2 1260-4	3.225	3.625	22186601	34710371	1289.479	1288.697
13) l2 1260-5	3.382	3.836	18003180	24390558	1448.048M1	1303.562
Sum 1260-1			73880708	100.8E6	6150.126	5685.271
Average 1260-1					1230.025	1137.054

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 03:04 pm
 Operator : pest19:cw
 Sample : 12007485-24,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:07:28 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 03:04 pm
 Operator : pest19:cw
 Sample : 12007485-24,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:07:28 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 03:04 pm
Operator : pest19:cw
Sample : 12007485-24,42e,,
Misc : wgl1343434,wgl1343014,ical16321
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:07:28 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-23.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

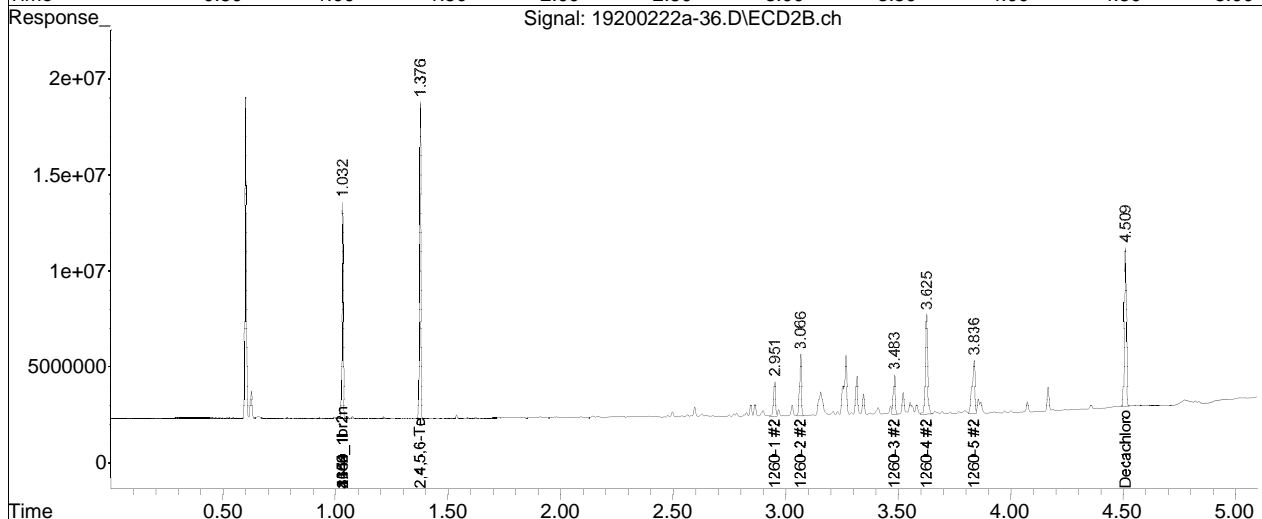
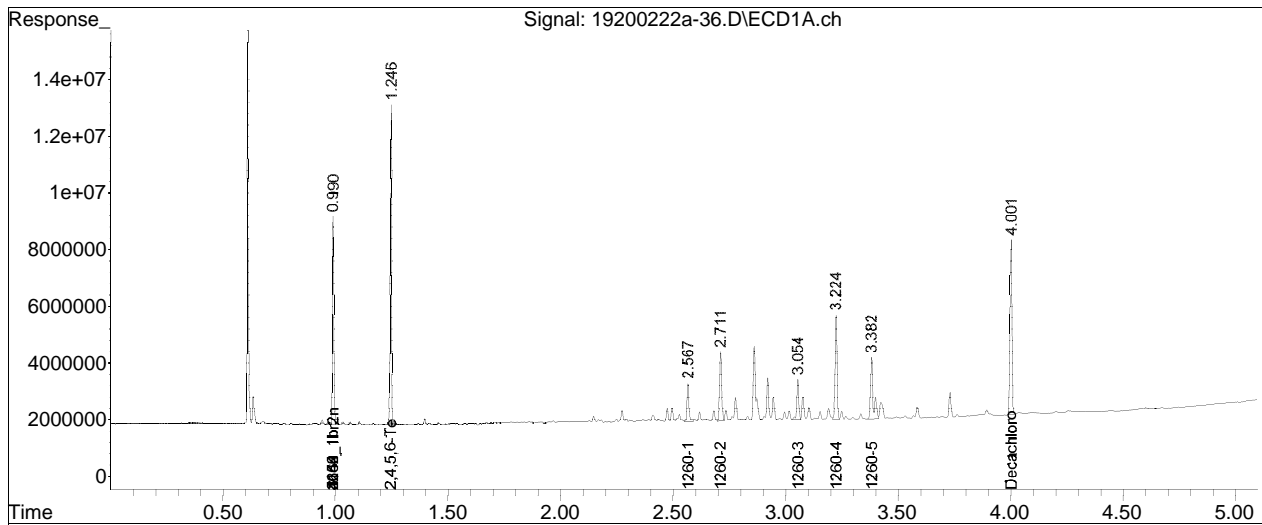
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 03:04 pm
Operator : pest19:cw
Sample : 12007485-24,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:07:28 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

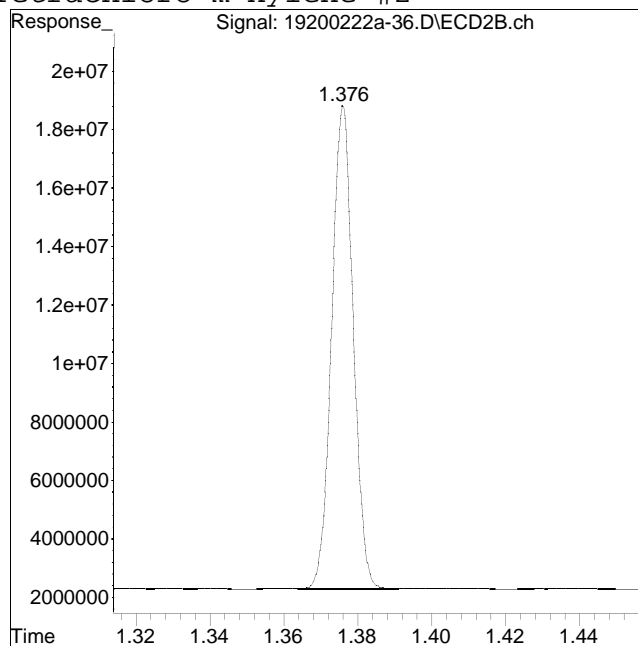
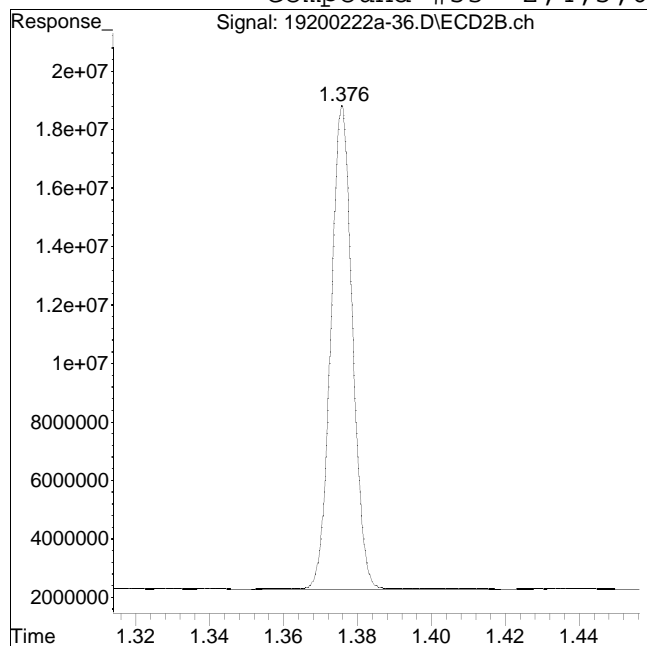


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-36.D
Date Inj'd : 2/22/2020 3:04 pm
Sample : 12007485-24,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/25/2020 4:06 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 68190323

Manual Peak Response = 67065155 M4

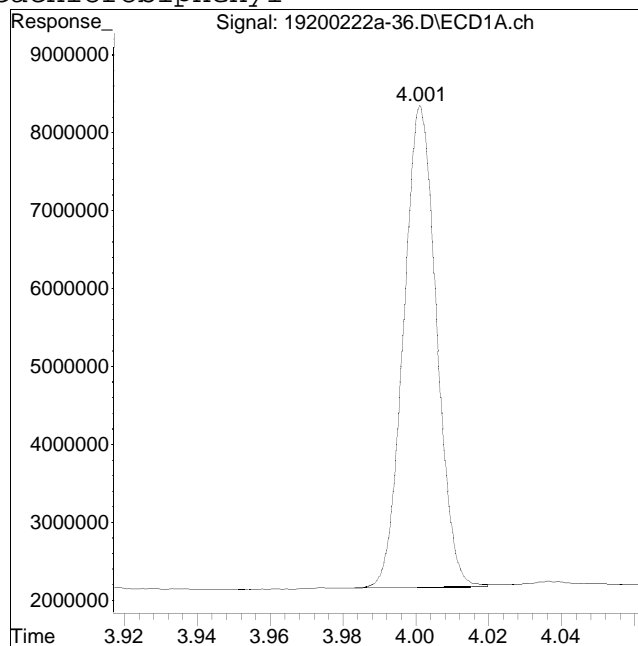
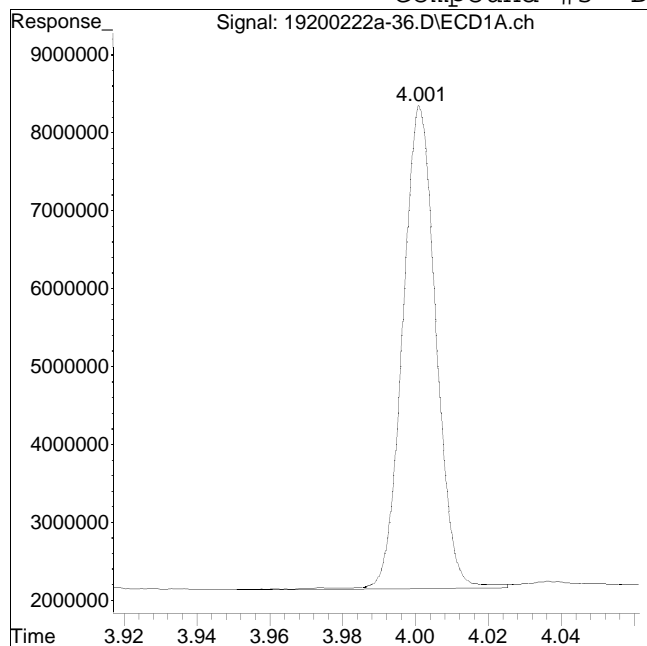
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-36.D
Date Inj'd : 2/22/2020 3:04 pm
Sample : 12007485-24,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/25/2020 4:06 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 39319301

Manual Peak Response = 38681931 M4

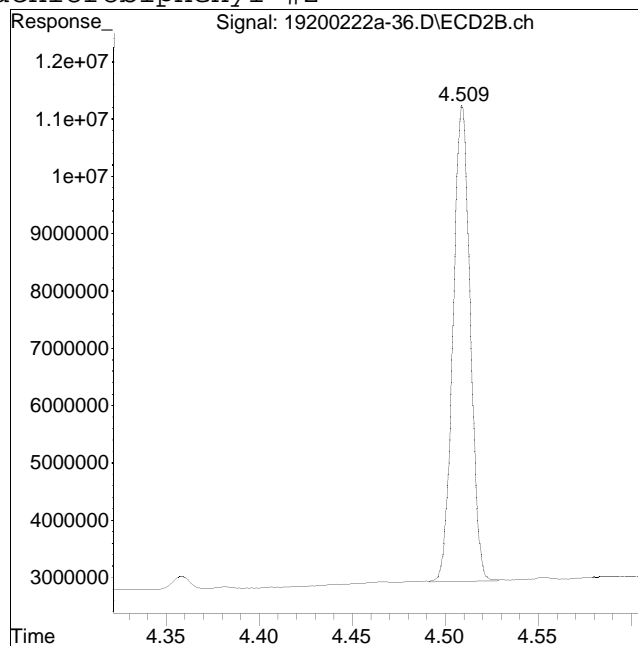
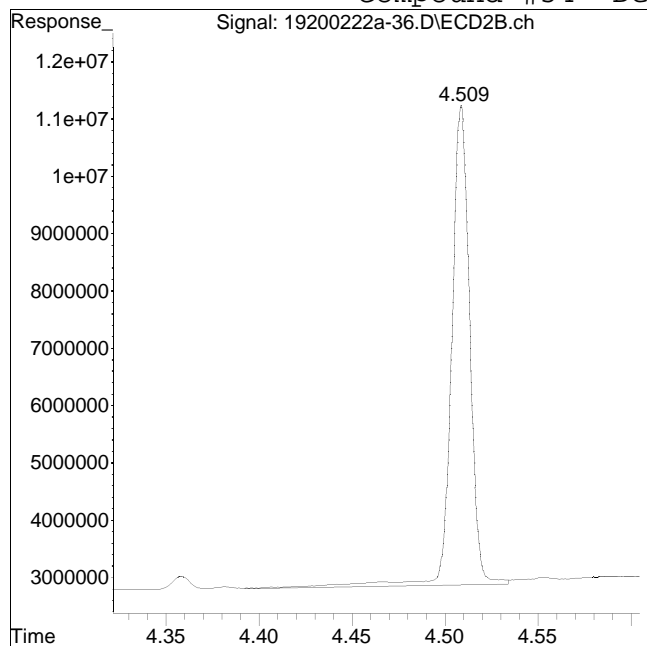
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-36.D
Date Inj'd : 2/22/2020 3:04 pm
Sample : 12007485-24,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/25/2020 4:06 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 57395742

Manual Peak Response = 53402829 M4

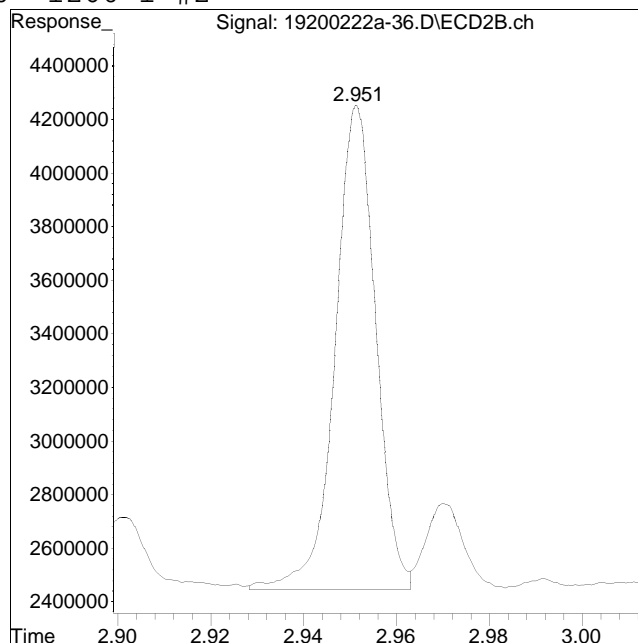
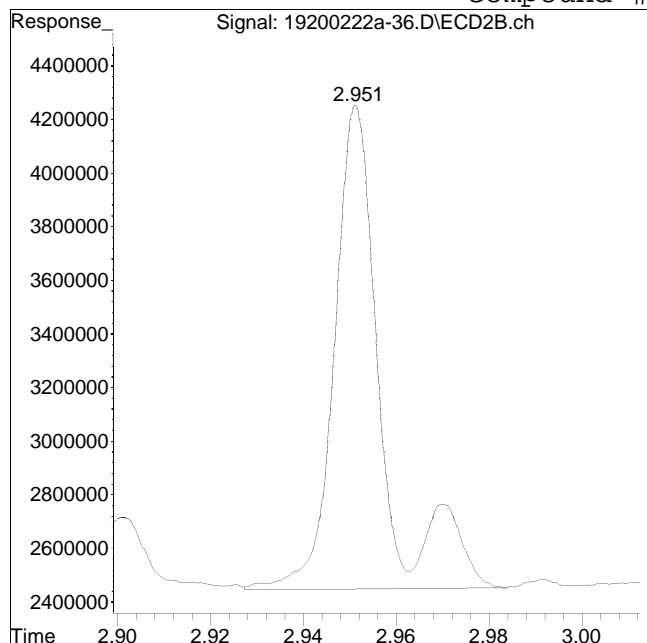
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-36.D
Date Inj'd : 2/22/2020 3:04 pm
Sample : 12007485-24,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/25/2020 4:06 pm

Compound #60: 1260-1 #2



Original Peak Response = 12654292

Manual Peak Response = 11005275 M1

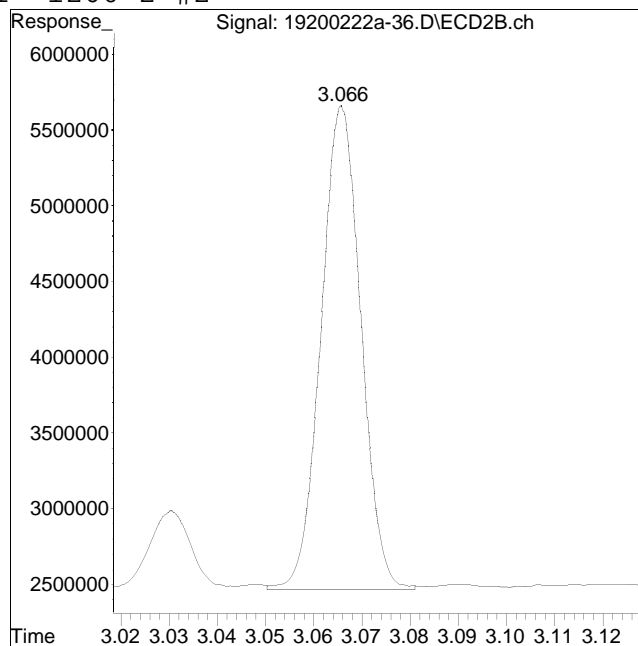
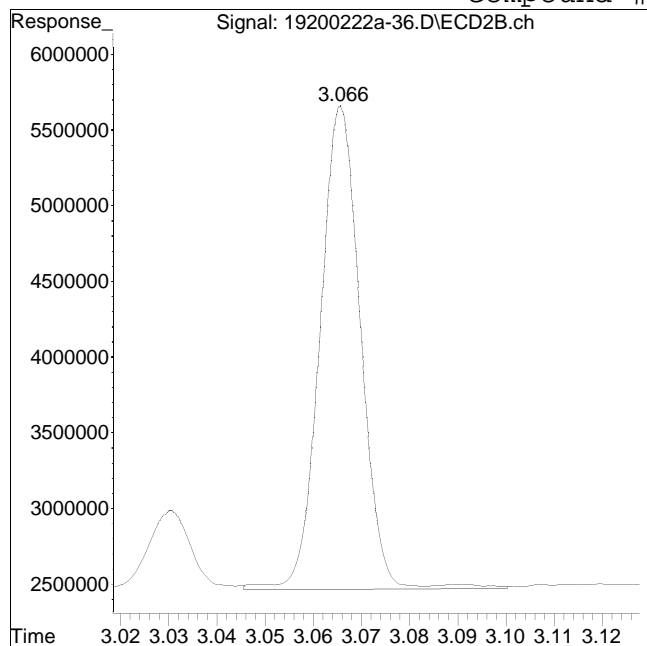
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-36.D
Date Inj'd : 2/22/2020 3:04 pm
Sample : 12007485-24,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/25/2020 4:06 pm

Compound #61: 1260-2 #2



Original Peak Response = 18765380

Manual Peak Response = 18414201 M1

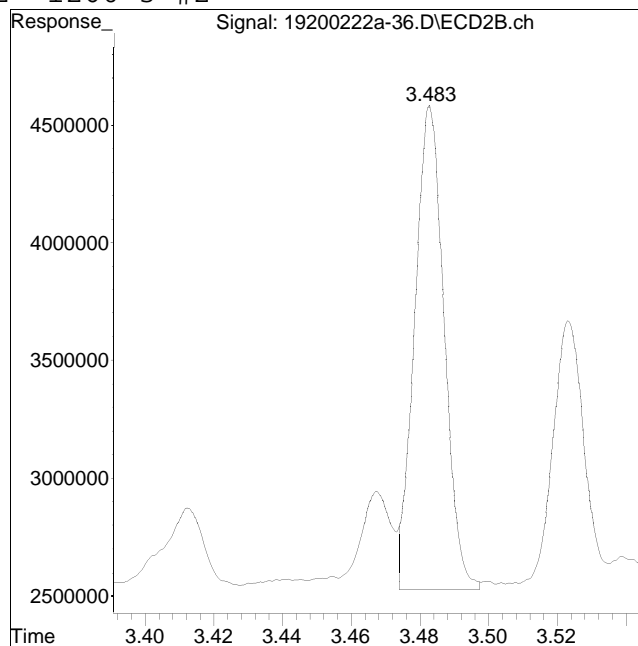
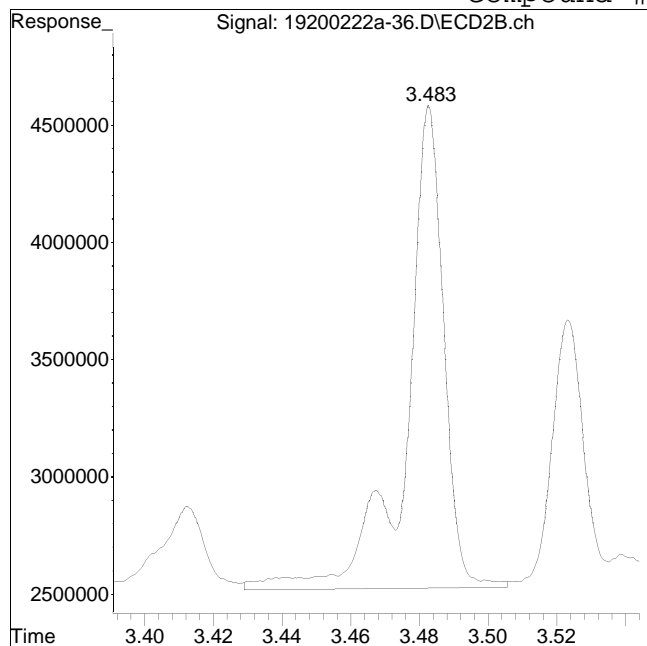
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-36.D
Date Inj'd : 2/22/2020 3:04 pm
Sample : 12007485-24,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/25/2020 4:06 pm

Compound #62: 1260-3 #2



Original Peak Response = 15887234

Manual Peak Response = 12282112 M1

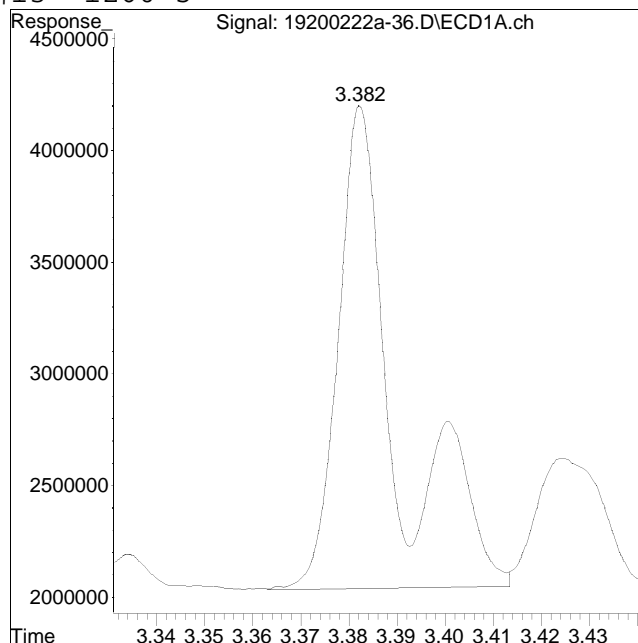
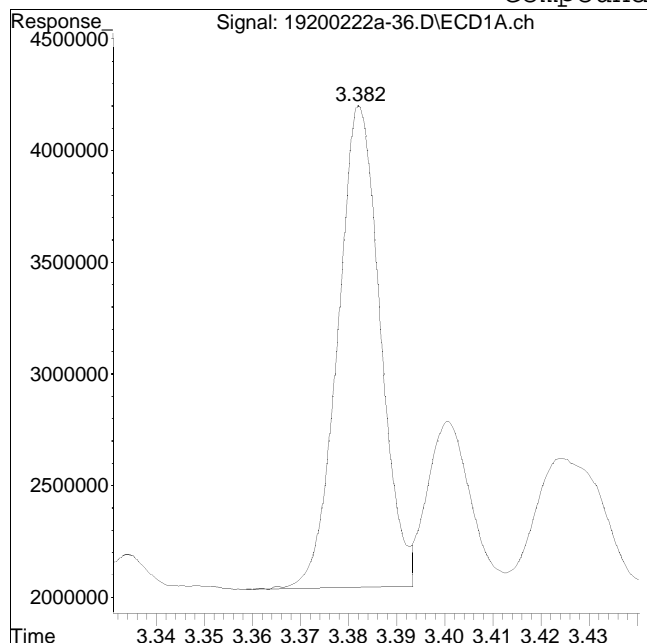
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-36.D
Date Inj'd : 2/22/2020 3:04 pm
Sample : 12007485-24,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/25/2020 4:06 pm

Compound #13: 1260-5



Original Peak Response = 13176262

Manual Peak Response = 18003180 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 03:11 pm
 Operator : pest19:cw
 Sample : 12007485-25,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:12:12 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.989	1.031	32693942	47505035	250.000M4	250.000M4
Standard Area 1 : #1 = 28484817			Recovery = 114.78%			
Standard Area 1 : #2 = 41473232			Recovery = 114.54%			
14) i 2154_1br2nb	0.989	1.031	32693942	47505035	250.000M4	250.000M4
23) i 4268_1br2nb	0.989	1.031	32693942	47505035	250.000M4	250.000M4
34) i 1248_1br2nb	0.989	1.031	32693942	47505035	250.000M4	250.000M4
40) i 3262_1br2nb	0.989	1.031	32693942	47505035	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.246	1.375	53733272	75209052	314.941	309.972M4
Spiked Amount 500.000 Range 30 - 150					Recovery = 62.99%	61.99%
3) s Decachlorobi	4.002	4.509	43093328	59209967	314.878	289.313M4
Spiked Amount 500.000 Range 30 - 150					Recovery = 62.98%	57.86%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 03:11 pm
 Operator : pest19:cw
 Sample : 12007485-25,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:12:12 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	12 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13)	12 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 03:11 pm
 Operator : pest19:cw
 Sample : 12007485-25,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:12:12 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 03:11 pm
 Operator : pest19:cw
 Sample : 12007485-25,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:12:12 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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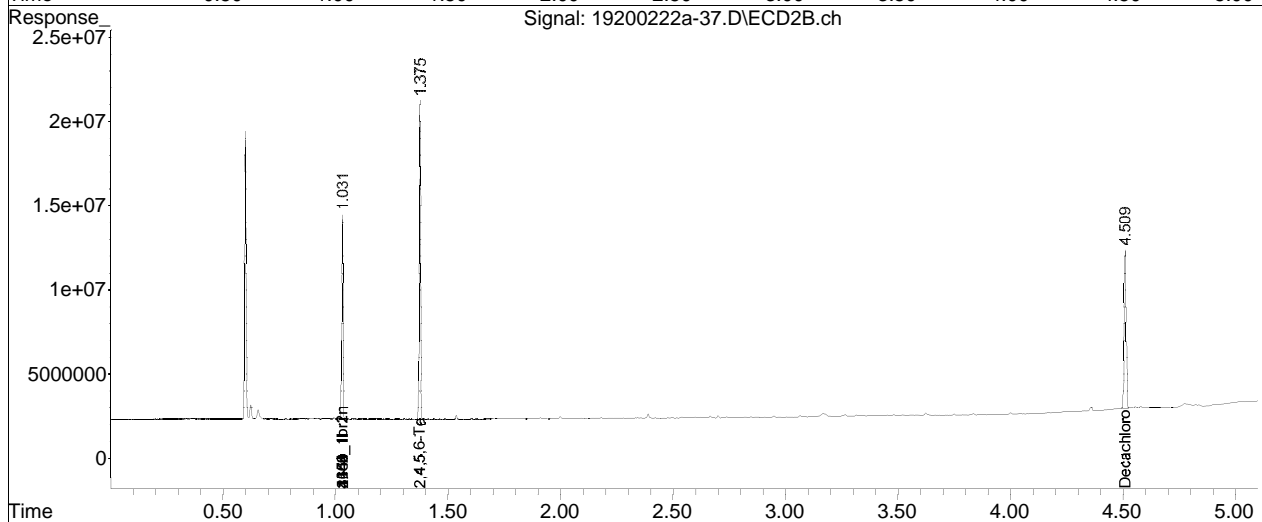
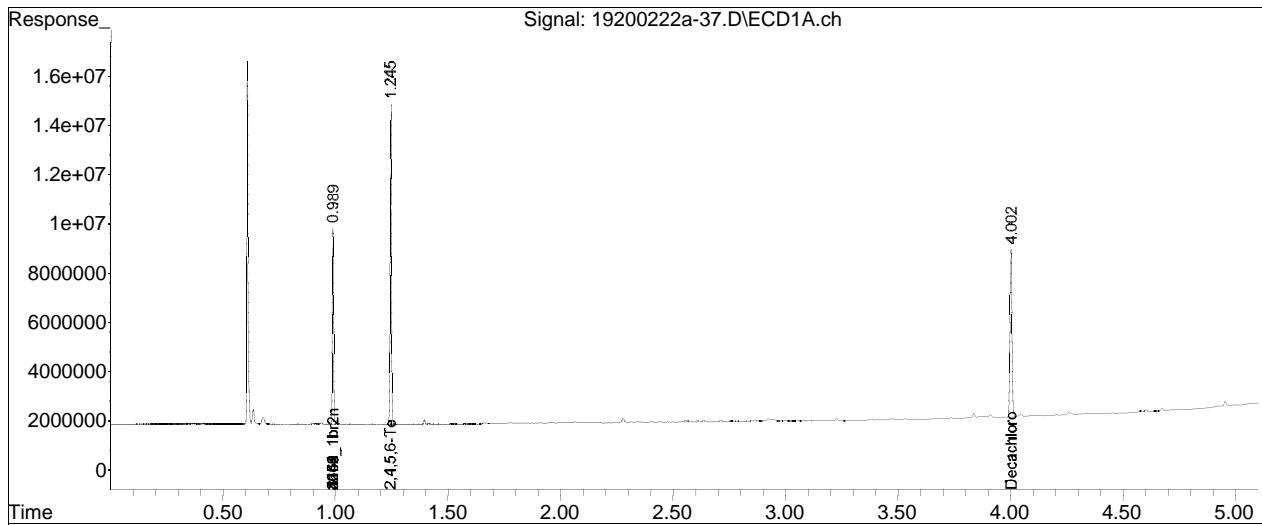
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-37.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 03:11 pm
Operator : pest19:cw
Sample : 12007485-25,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:12:12 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

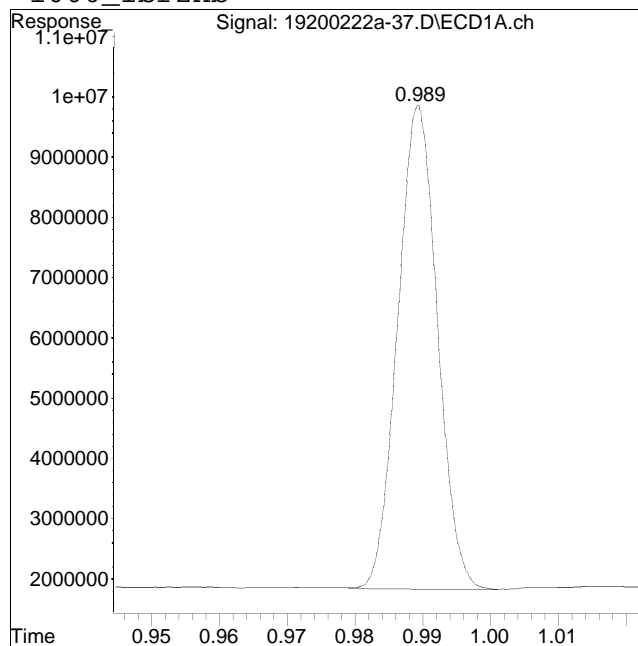
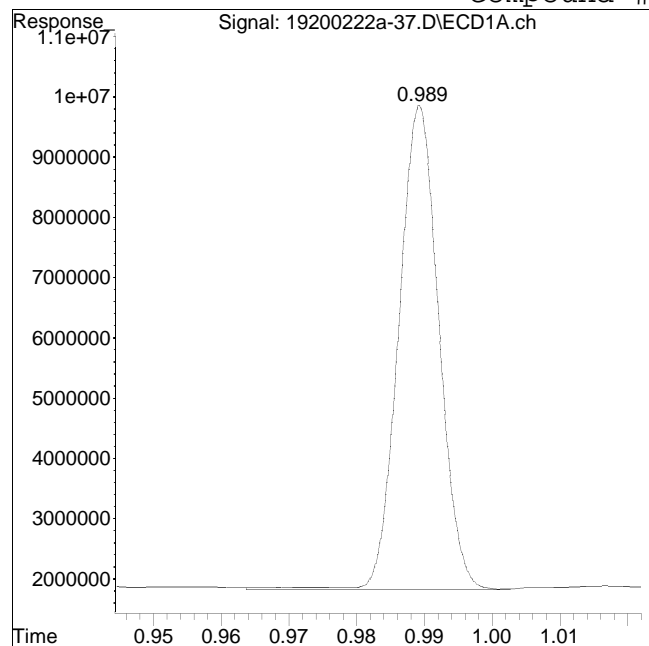


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-37.D
Date Inj'd : 2/22/2020 3:11 pm
Sample : 12007485-25,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/25/2020 4:06 pm

Compound #1: 1660_1br2nb



Original Peak Response = 33159215

Manual Peak Response = 32693942 M4

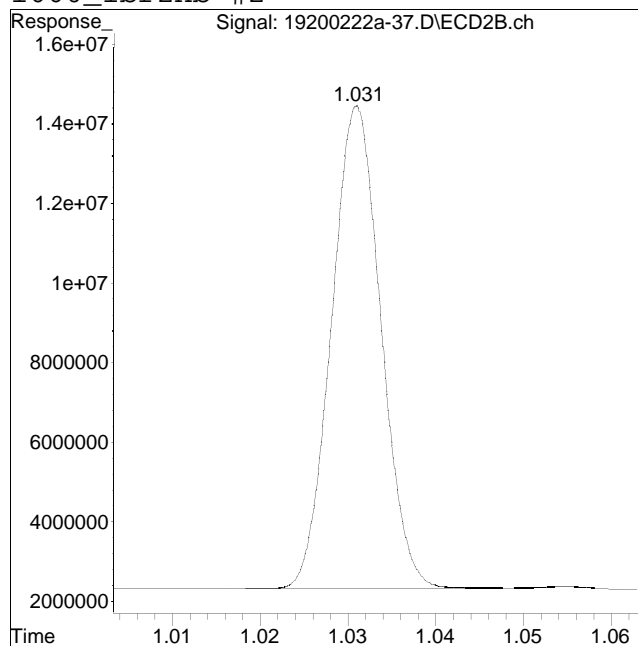
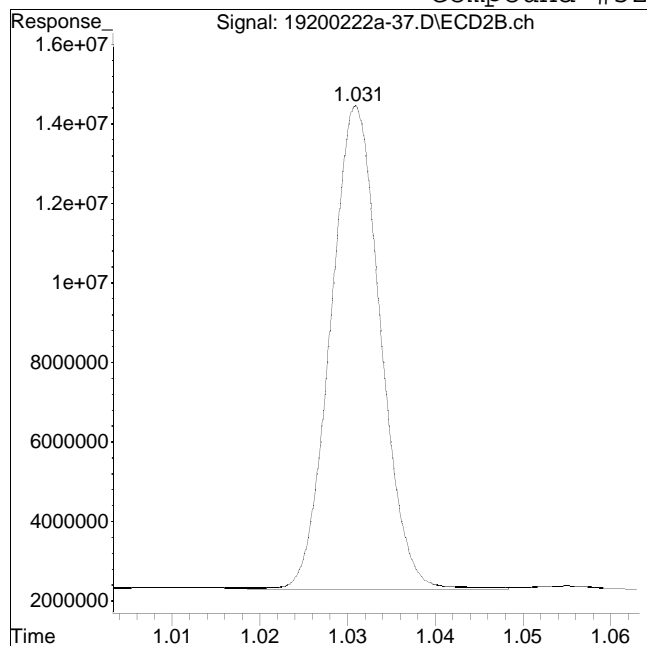
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-37.D
Date Inj'd : 2/22/2020 3:11 pm
Sample : 12007485-25,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/25/2020 4:06 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 48349065

Manual Peak Response = 47505035 M4

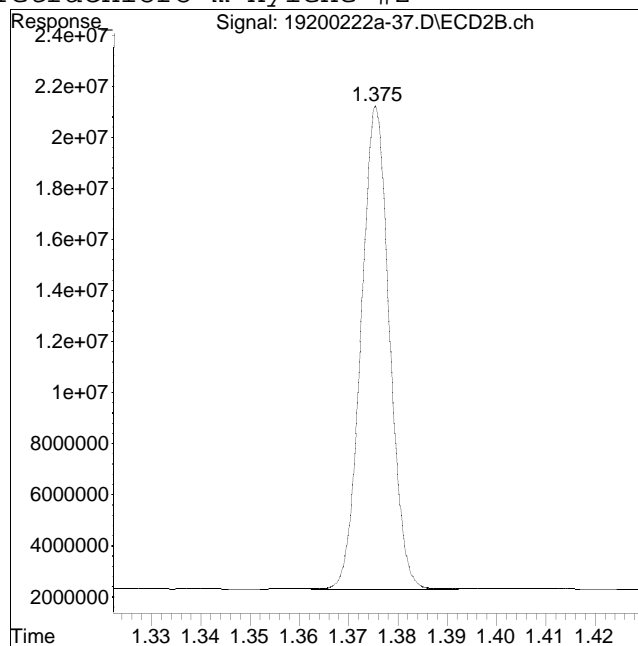
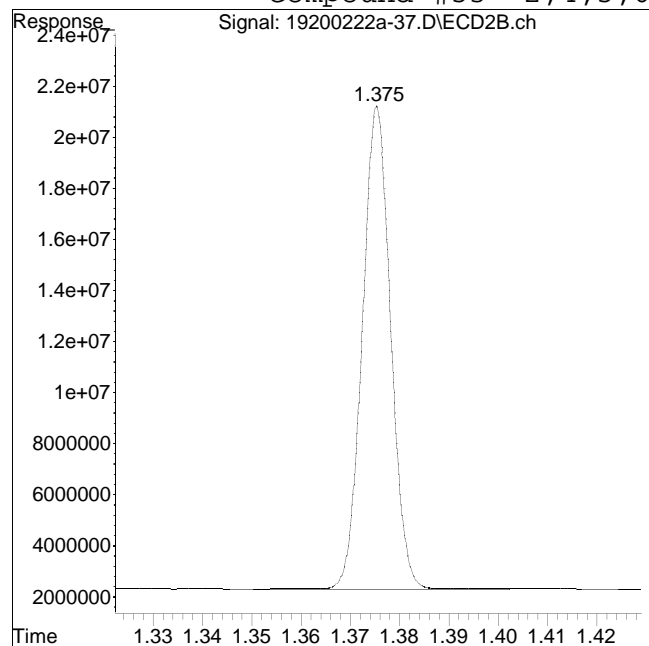
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-37.D
Date Inj'd : 2/22/2020 3:11 pm
Sample : 12007485-25,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/25/2020 4:06 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 76177701

Manual Peak Response = 75209052 M4

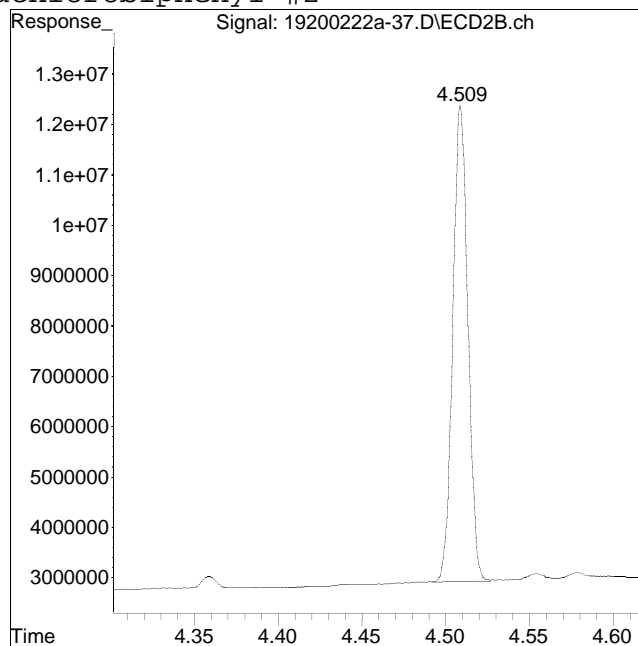
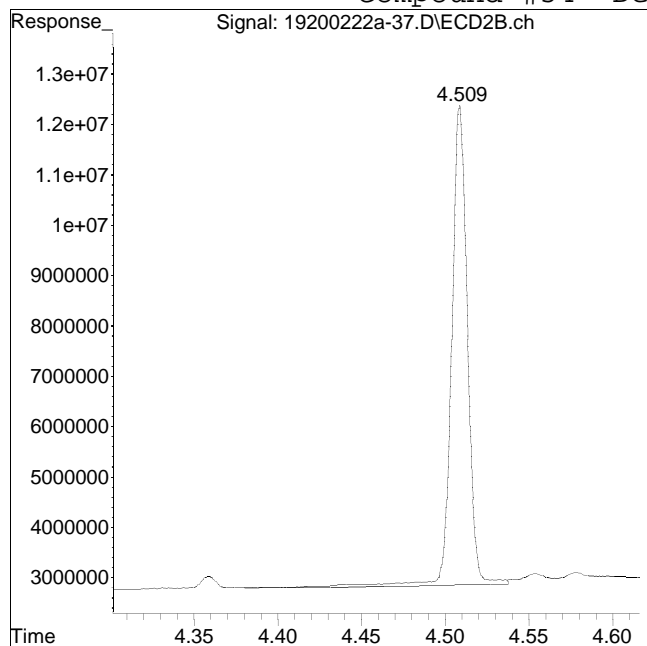
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-37.D
Date Inj'd : 2/22/2020 3:11 pm
Sample : 12007485-25,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/25/2020 4:06 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 63378105

Manual Peak Response = 59209967 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 12:57 pm
 Operator : pest19:ad
 Sample : l2007485-11,42e,,rerr
 Misc : wgl1344121,wgl1343647,ical16321
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 19:00:35 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.032	29177467	43404222	250.000M4	250.000M4
Standard Area 1 : #1 = 28021655			Recovery = 104.12%			
Standard Area 1 : #2 = 42485018			Recovery = 102.16%			
14) i 2154_1br2nb	0.991	1.032	29177467	43404222	250.000M4	250.000M4
23) i 4268_1br2nb	0.991	1.032	29177467	43404222	250.000M4	250.000M4
34) i 1248_1br2nb	0.991	1.032	29177467	43404222	250.000M4	250.000M4
40) i 3262_1br2nb	0.991	1.032	29177467	43404222	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.247	1.375	53460497	78068175	351.107M4	352.155M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 70.22% 70.43%			
3) s Decachlorobi	4.002	4.505	40884211	71722449	334.740M4	383.563
Spiked Amount 500.000 Range 30 - 150			Recovery = 66.95% 76.71%			
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.567	2.947	2276590	3273657	296.050M4	280.377M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 12:57 pm
 Operator : pest19:ad
 Sample : l2007485-11,42e,,rerr
 Misc : wgl1344121,wgl1343647,ical16321
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 19:00:35 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12	1260-2	2.712	3.062	5416581	5928840	468.463M4	432.725M4
11) 12	1260-3	3.055	3.479	5043403	3693345	670.286M4	309.268M4
12) 12	1260-4	3.225	3.621	7301091	11335179	461.470M4	451.049M4
13) 12	1260-5	3.383	3.832	5591189	8984365	489.069M4	514.637M4
	Sum 1260-1			25628855	33215386	2385.338	1988.055
	Average 1260-1					477.068	397.611
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 12:57 pm
 Operator : pest19:ad
 Sample : 12007485-11,42e,,rerr
 Misc : wgl1344121,wgl1343647,ical16321
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 19:00:35 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 12:57 pm
 Operator : pest19:ad
 Sample : 12007485-11,42e,,rerr
 Misc : wgl1344121,wgl1343647,ical16321
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 19:00:35 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

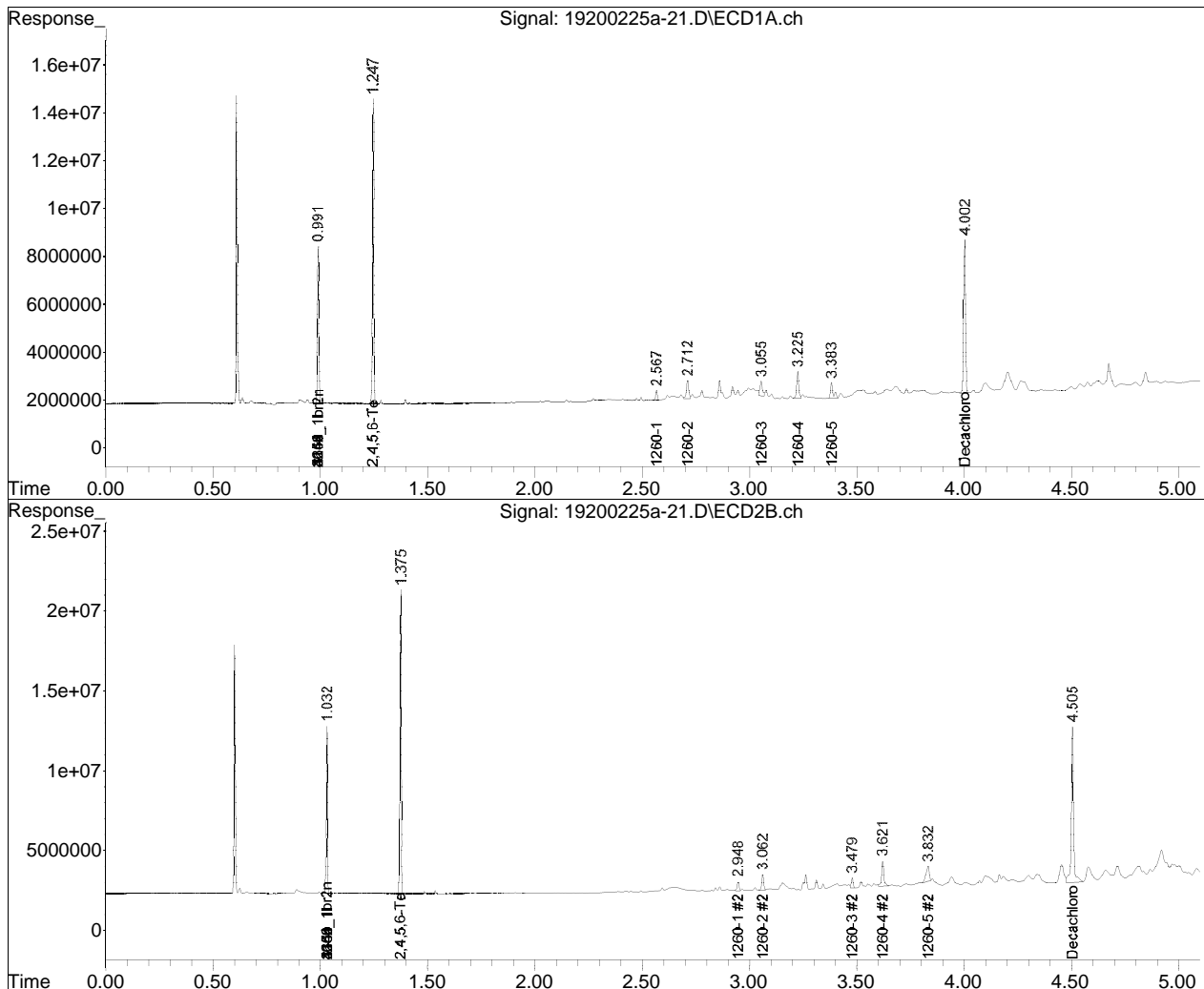
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2020 12:57 pm
Operator : pest19:ad
Sample : 12007485-11,42e,,rerr
Misc : wg1344121,wg1343647,ical16321
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 19:00:35 2020
Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

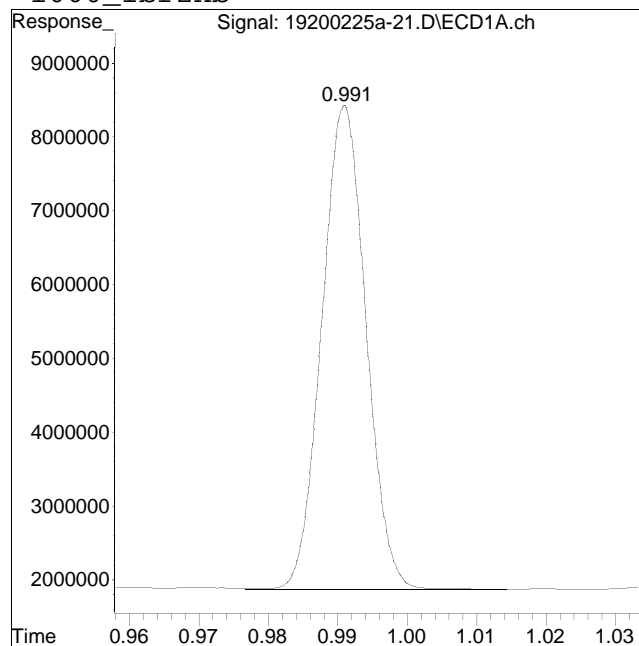
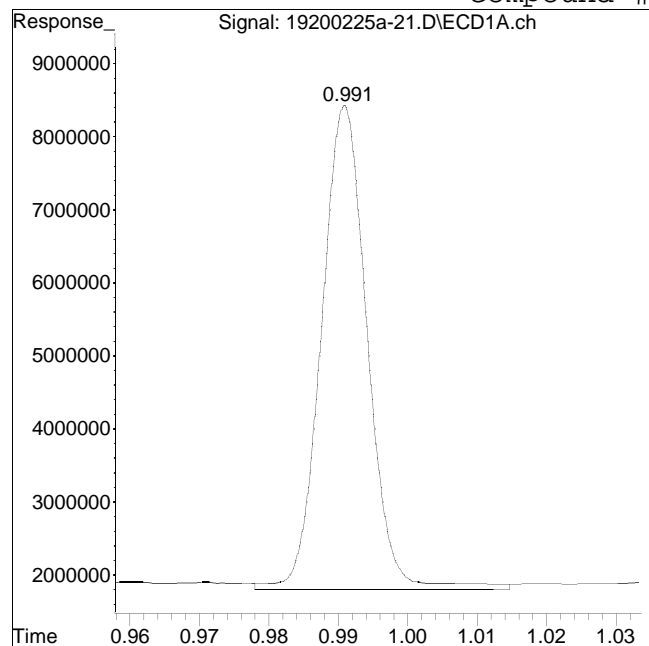


Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #1: 1660_1br2nb



Original Peak Response = 30585354

Manual Peak Response = 29177467 M4

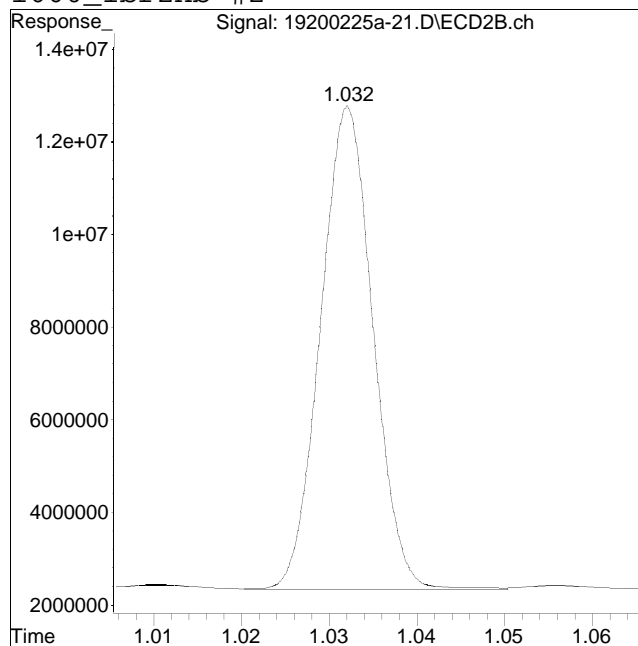
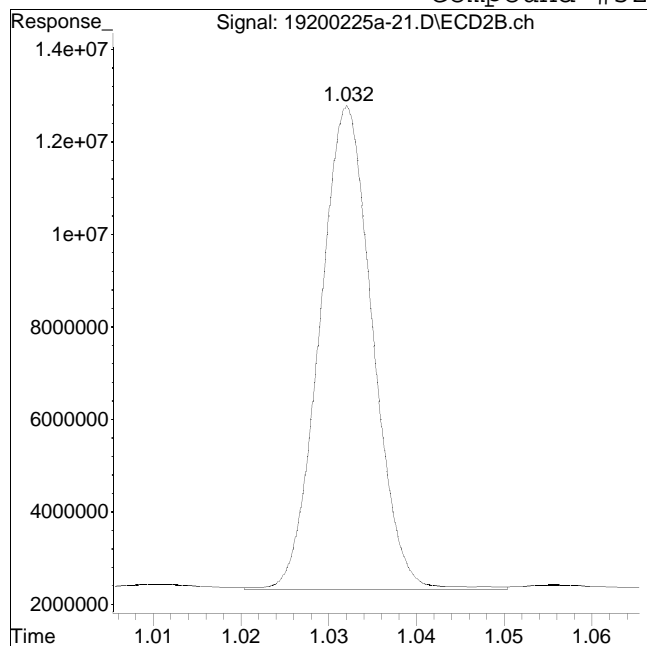
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 43649548

Manual Peak Response = 43404222 M4

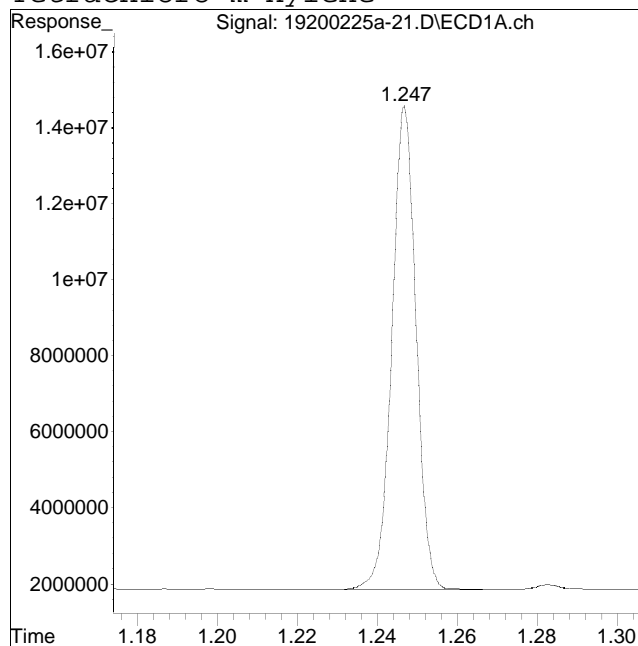
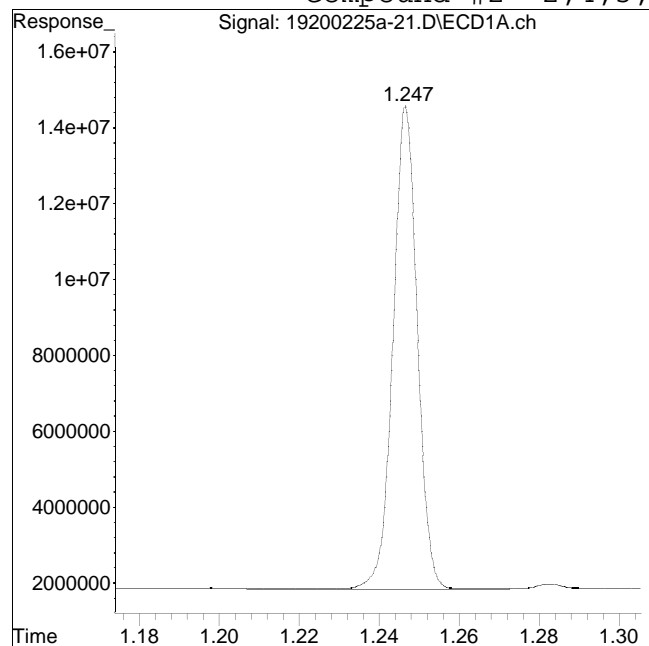
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 54449585

Manual Peak Response = 53460497 M4

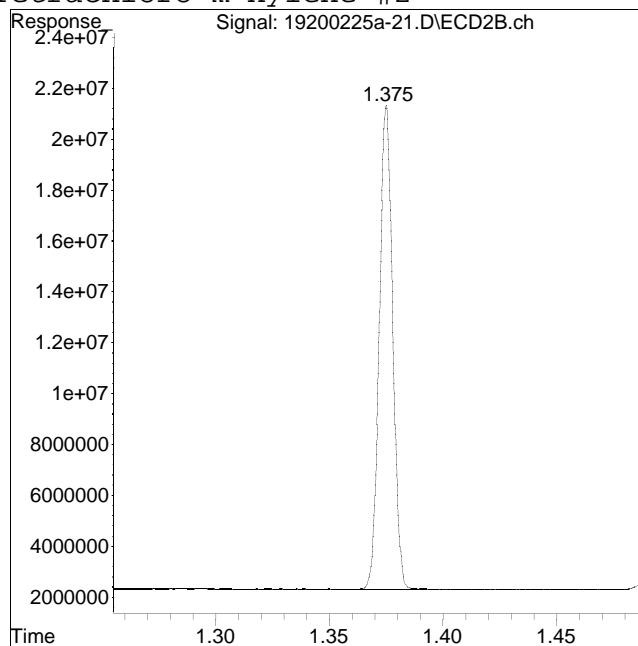
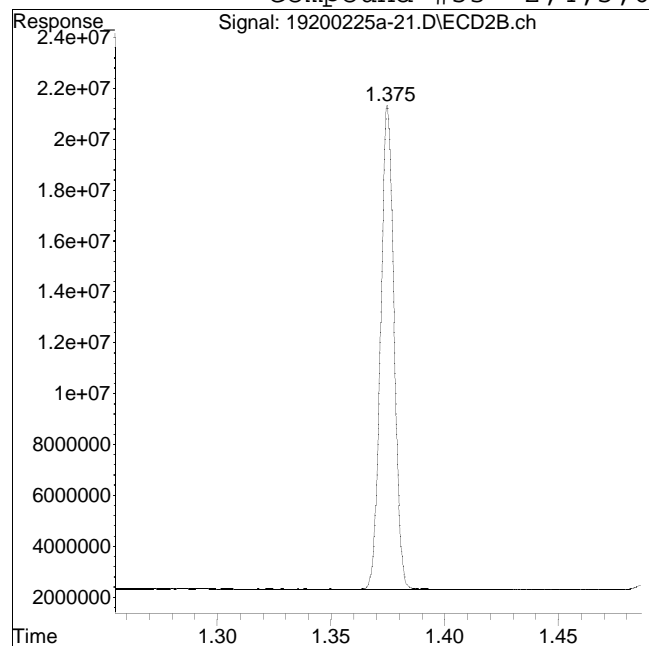
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 78584862

Manual Peak Response = 78068175 M4

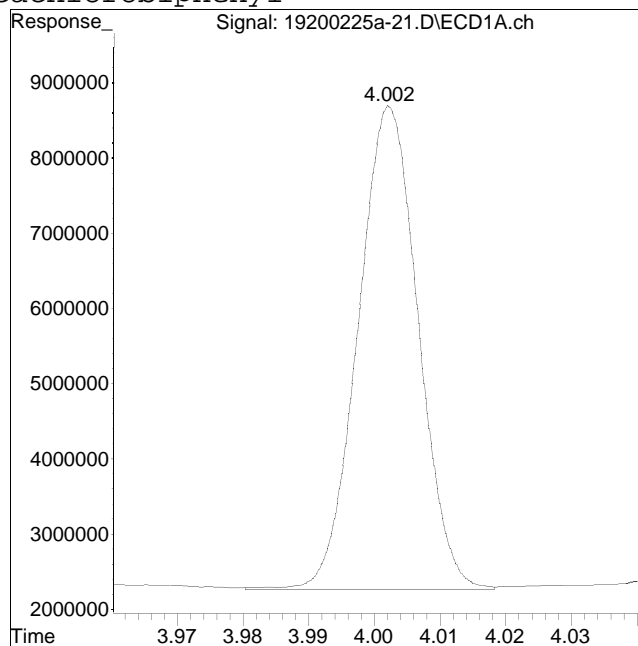
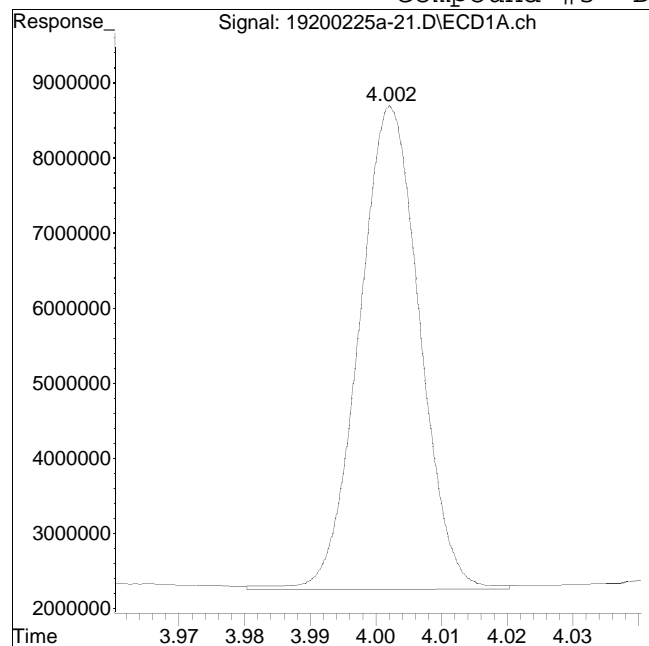
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 41219890

Manual Peak Response = 40884211 M4

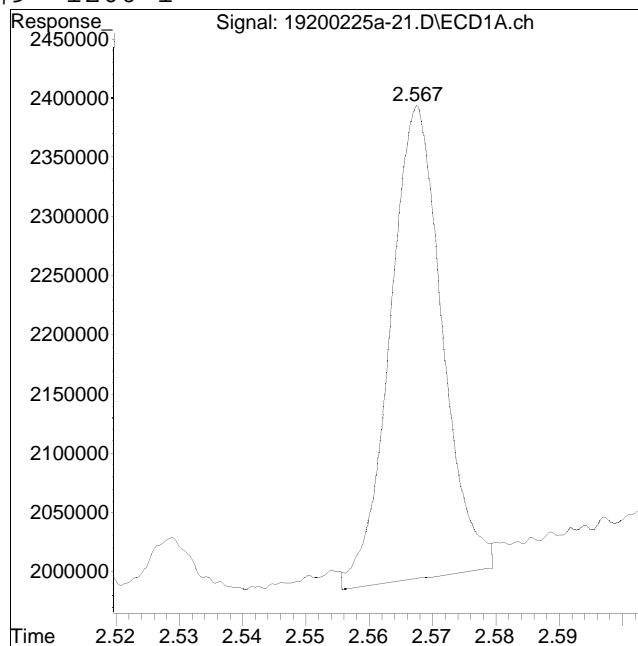
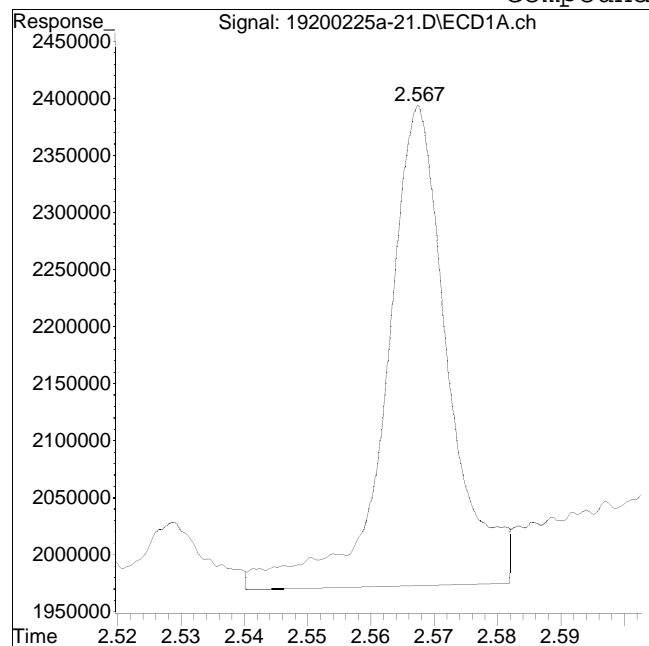
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #9: 1260-1



Original Peak Response = 2854028

Manual Peak Response = 2276590 M4

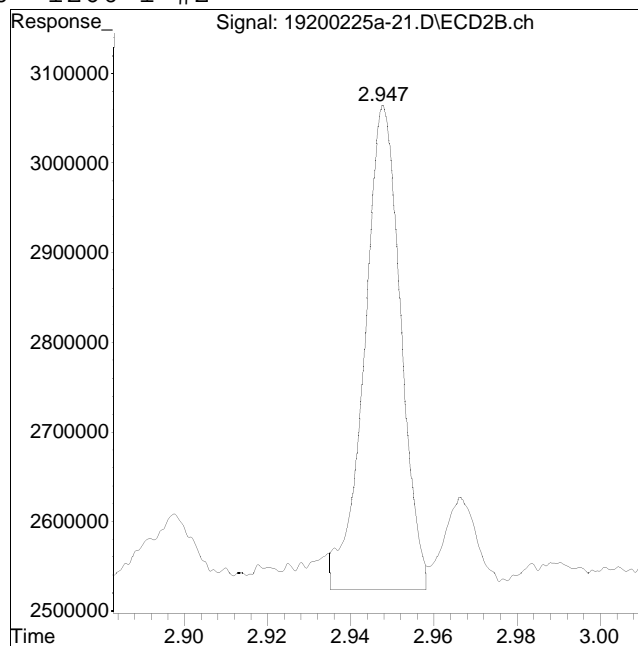
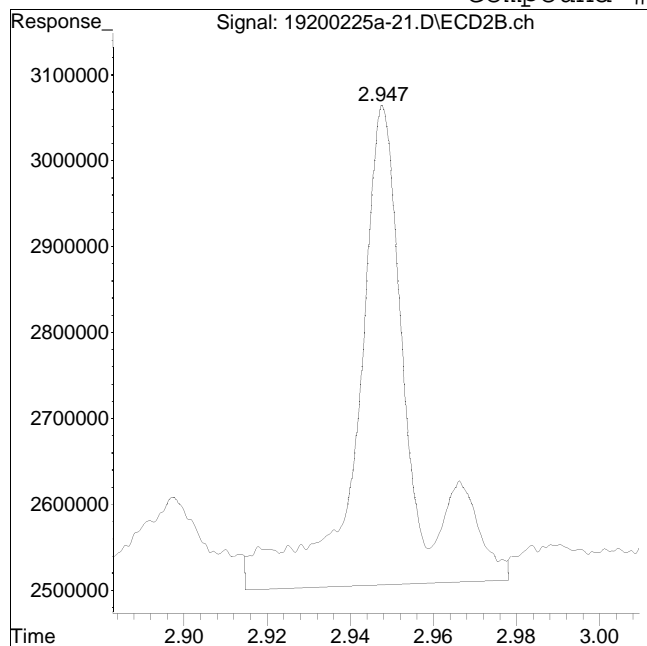
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #60: 1260-1 #2



Original Peak Response = 4861704

Manual Peak Response = 3273657 M4

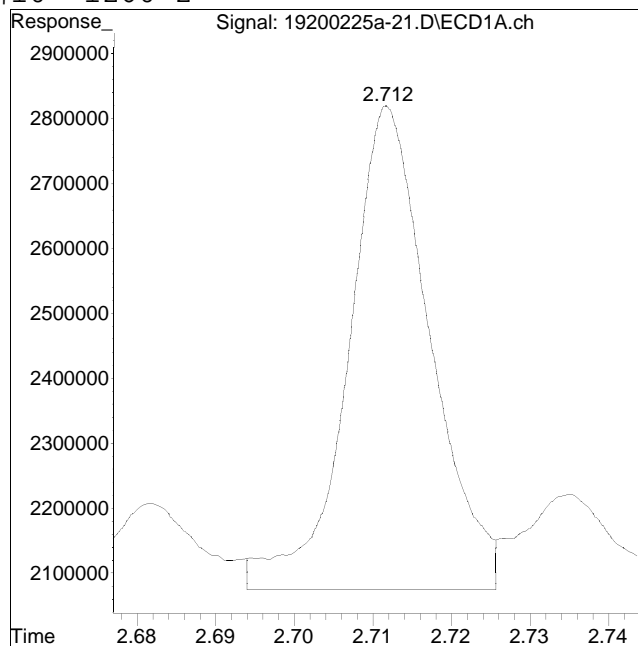
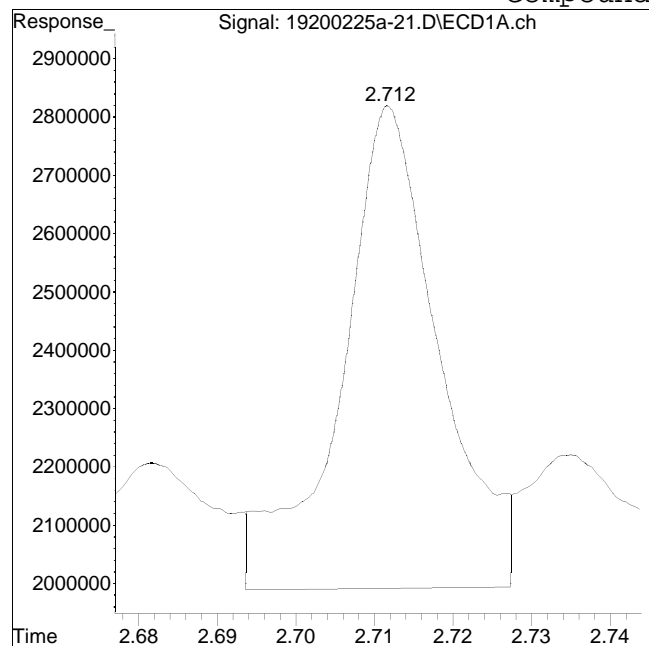
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #10: 1260-2



Original Peak Response = 7176843

Manual Peak Response = 5416581 M4

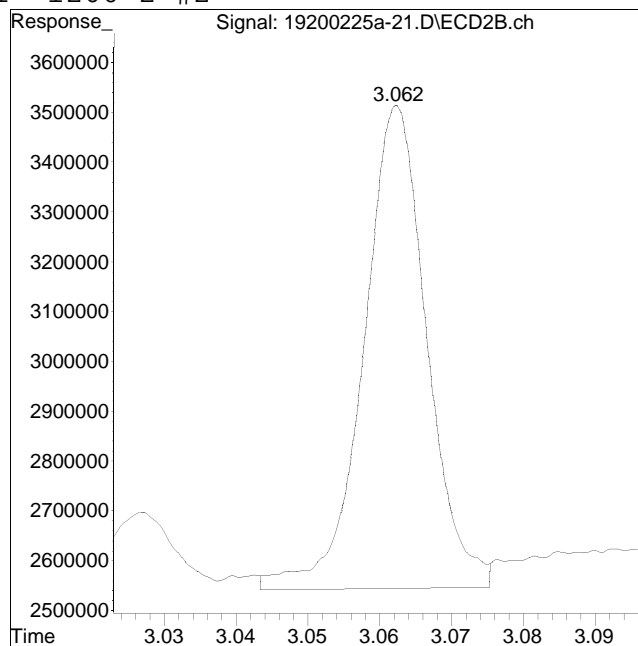
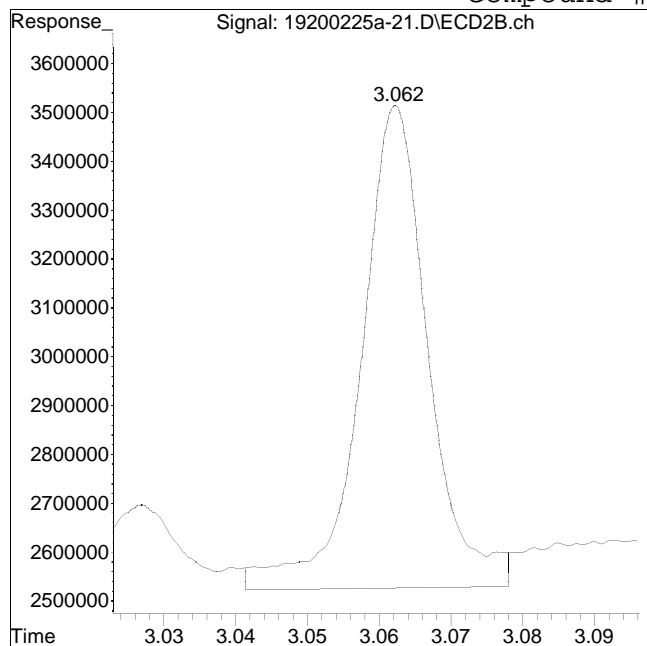
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #61: 1260-2 #2



Original Peak Response = 6435043

Manual Peak Response = 5928840 M4

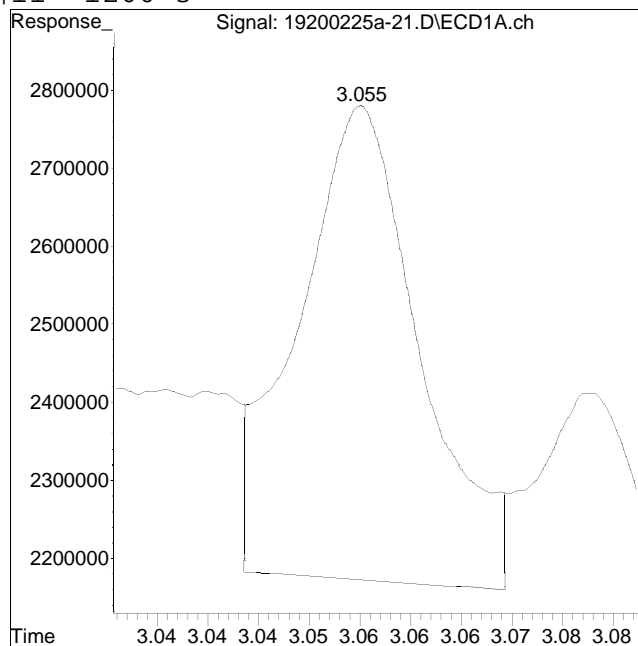
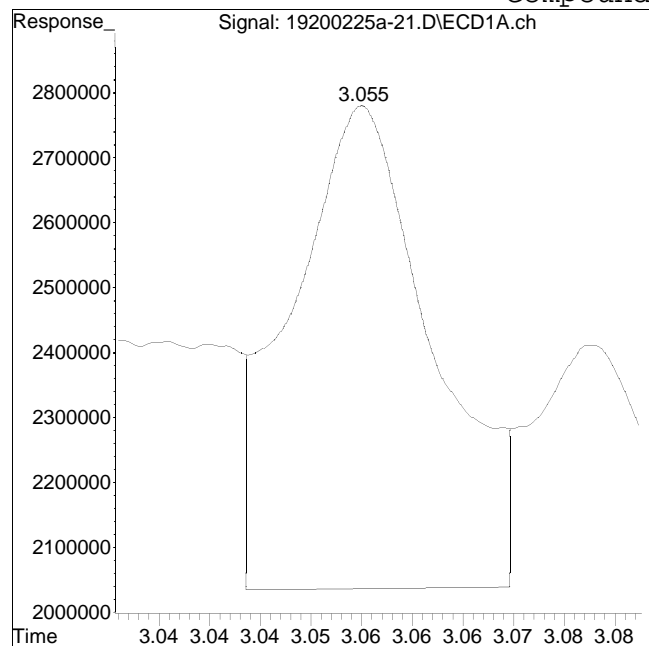
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #11: 1260-3



Original Peak Response = 7232974

Manual Peak Response = 5043403 M4

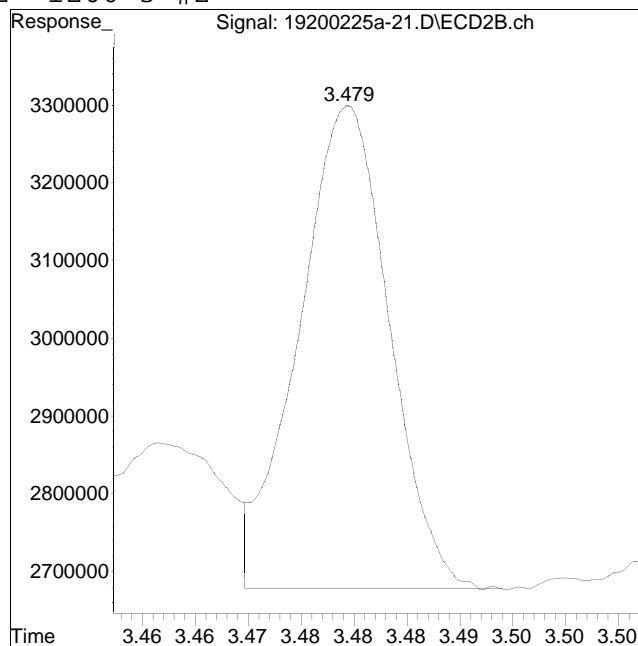
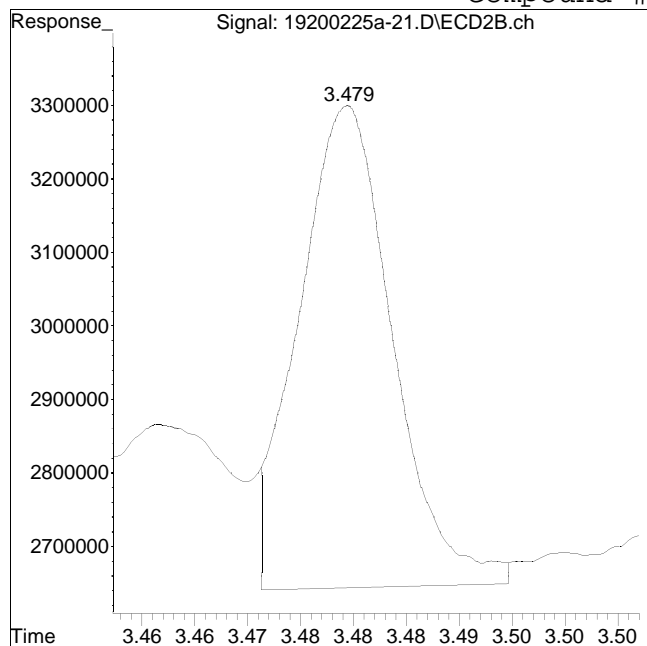
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #62: 1260-3 #2



Original Peak Response = 4069386

Manual Peak Response = 3693345 M4

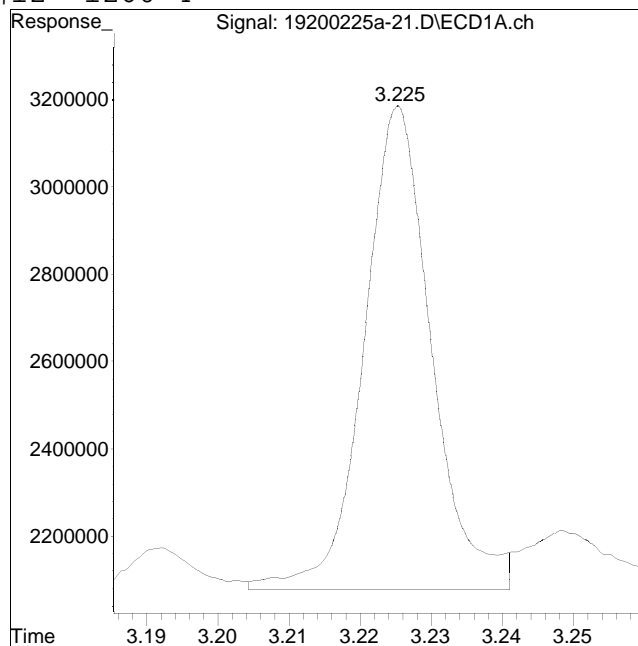
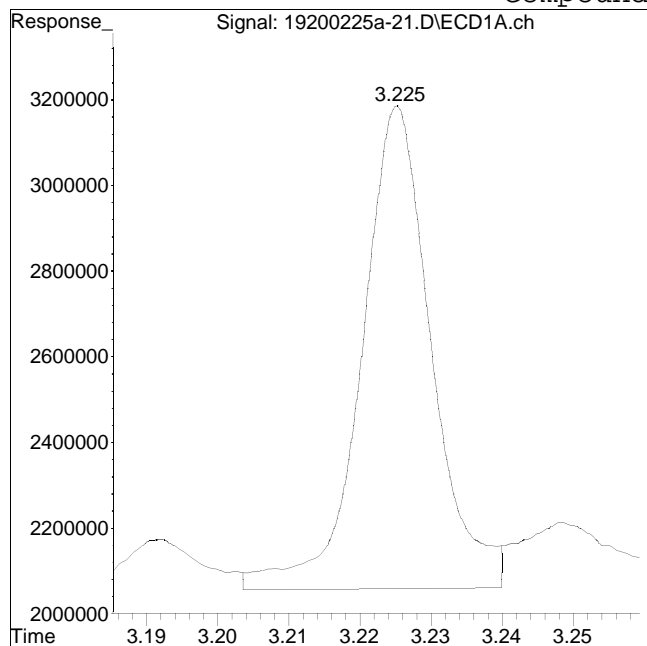
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #12: 1260-4



Original Peak Response = 7664048

Manual Peak Response = 7301091 M4

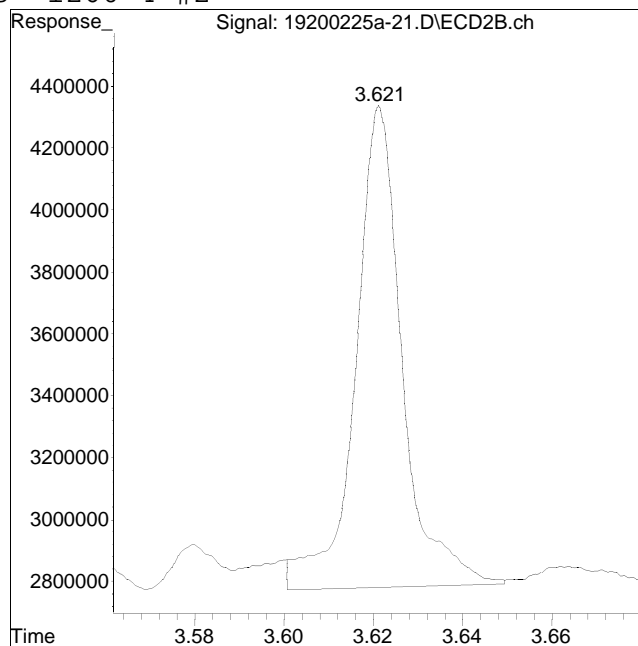
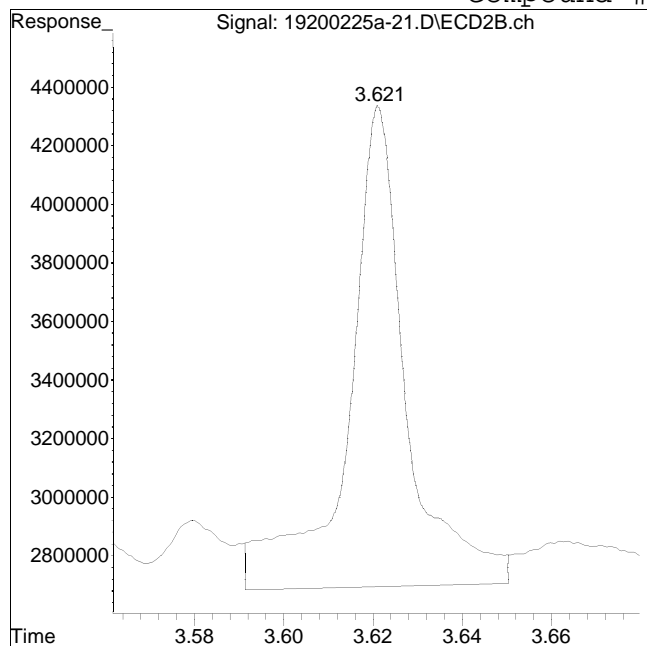
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #63: 1260-4 #2



Original Peak Response = 14900532

Manual Peak Response = 11335179 M4

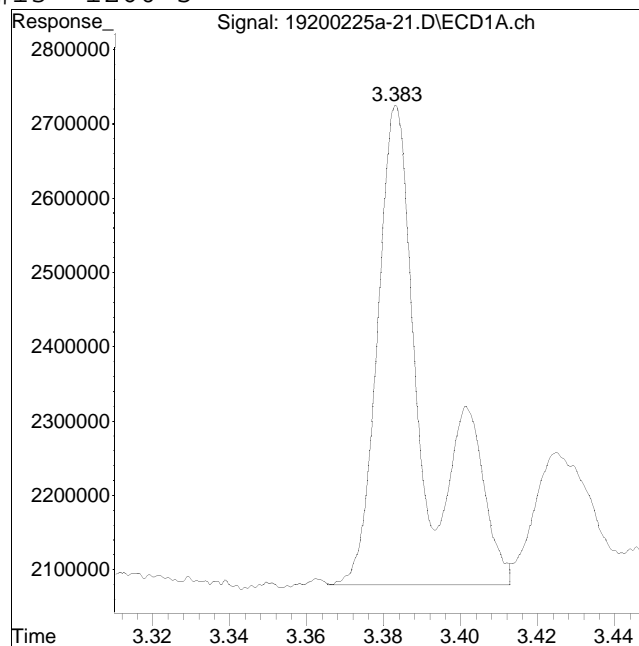
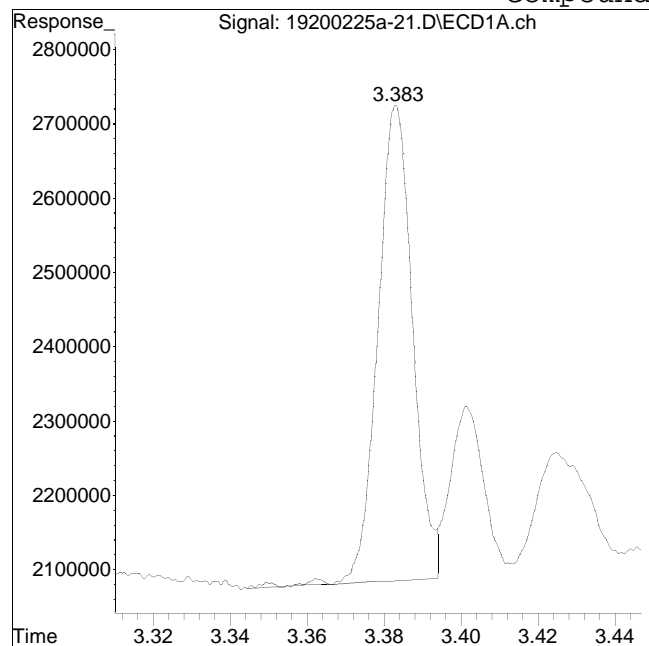
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #13: 1260-5



Original Peak Response = 4001354

Manual Peak Response = 5591189 M4

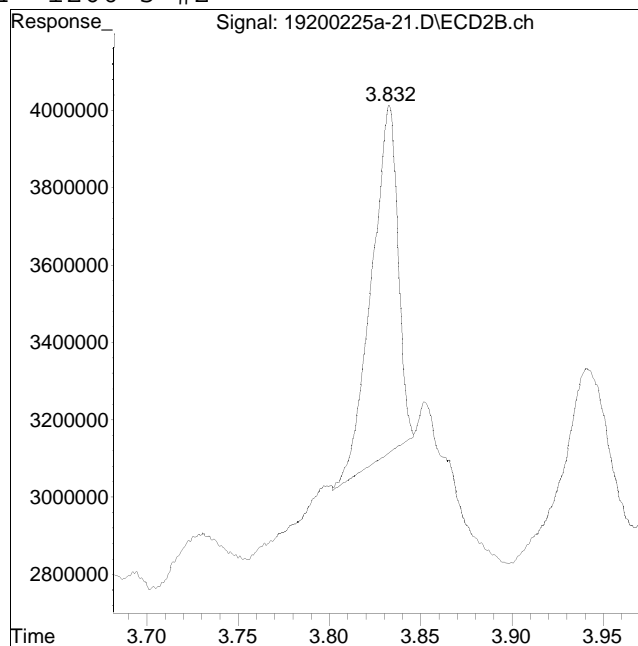
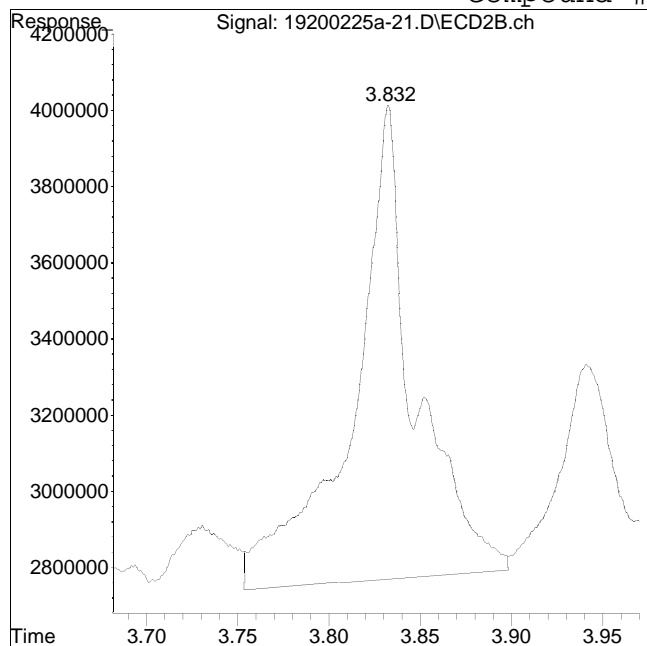
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-21.D
Date Inj'd : 2/25/2020 12:57 pm
Sample : 12007485-11,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:12 pm

Compound #64: 1260-5 #2



Original Peak Response = 29610616

Manual Peak Response = 8984365 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:04 pm
 Operator : pest19:ad
 Sample : l2007485-12,42e,,rerrcc
 Misc : wgl344121,wgl343647,ical16321
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 20:53:19 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.032	28543705	43344236	250.000	250.000
Standard Area 1 : #1 = 28021655					Recovery =	101.86%
Standard Area 1 : #2 = 42485018					Recovery =	102.02%
14) i 2154_1br2nb	0.991	1.032	28543705	43344236	250.000	250.000
23) i 4268_1br2nb	0.991	1.032	28543705	43344236	250.000	250.000
34) i 1248_1br2nb	0.991	1.032	28543705	43344236	250.000	250.000
40) i 3262_1br2nb	0.991	1.032	28543705	43344236	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.246	1.375	49009619	72282507	329.022	326.508
Spiked Amount 500.000	Range 30 - 150				Recovery =	65.80%
3) s Decachlorobi	4.002	4.505	42306194	66346122	354.073	355.302
Spiked Amount 500.000	Range 30 - 150				Recovery =	70.81%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.567	2.949	6328727	7653553	841.268	656.406
10) l2 1260-2	2.711	3.063	12178436	14758438	1076.660	1078.657
11) l2 1260-3	3.056	3.480	7002136	10263714	951.272	860.639
12) l2 1260-4	3.225	3.622	18110200	29107159	1170.081	1159.833
13) l2 1260-5	3.383	3.833	14188081	21552885	1268.605M4	1236.287
Sum 1260-1			57807580	83335750	5307.885	4991.821
Average 1260-1					1061.577	998.364

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:04 pm
 Operator : pest19:ad
 Sample : 12007485-12,42e,,rerrcc
 Misc : wgl1344121,wgl1343647,ical16321
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 20:53:19 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:04 pm
 Operator : pest19:ad
 Sample : 12007485-12,42e,,rerrcc
 Misc : wgl1344121,wgl1343647,ical16321
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 20:53:19 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

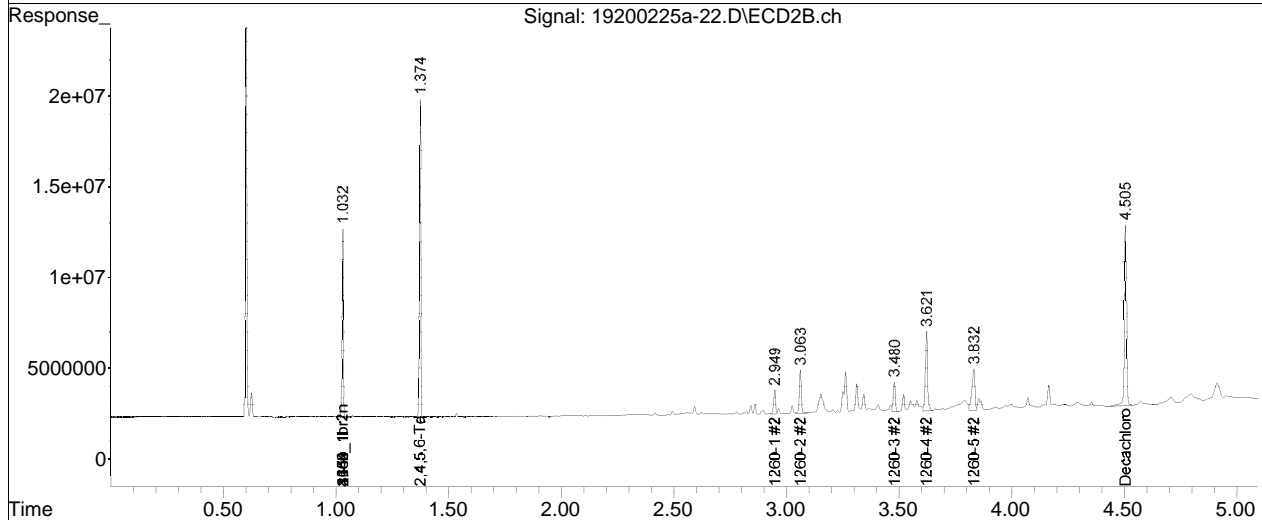
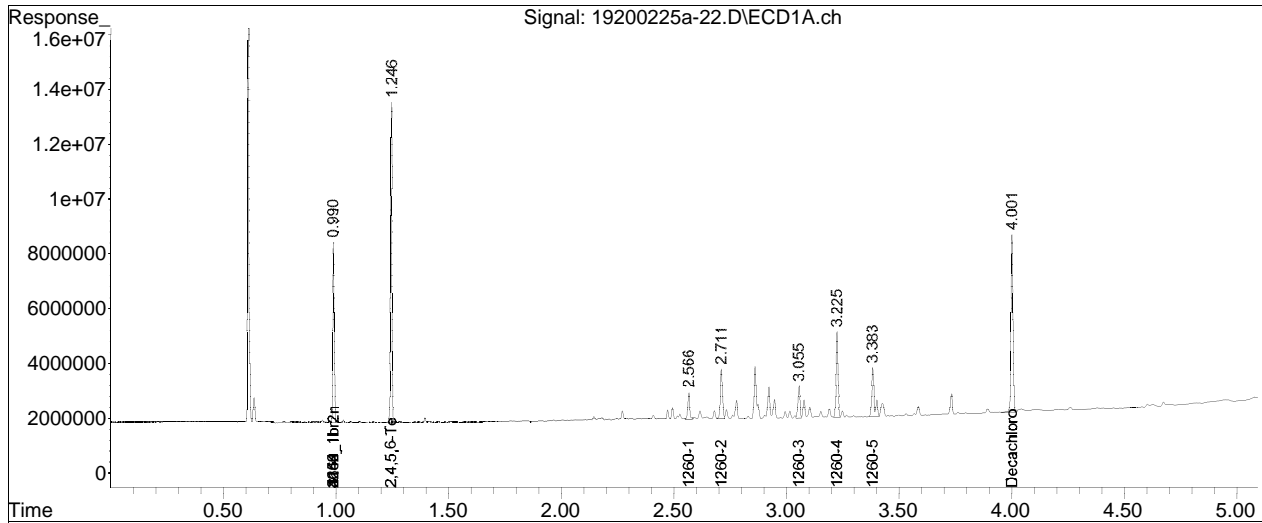
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200225a\
Data File : 19200225a-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2020 01:04 pm
Operator : pest19:ad
Sample : 12007485-12,42e,,rerrcc
Misc : wg1344121,wg1343647,ical16321
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 20:53:19 2020
Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

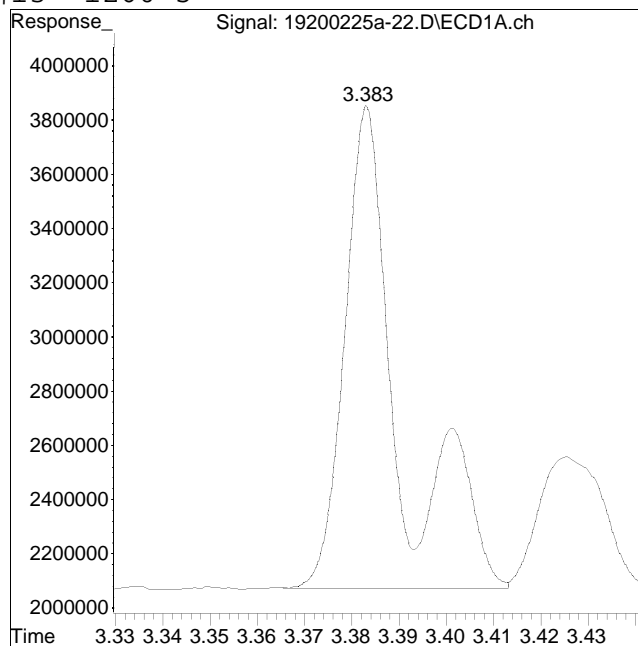
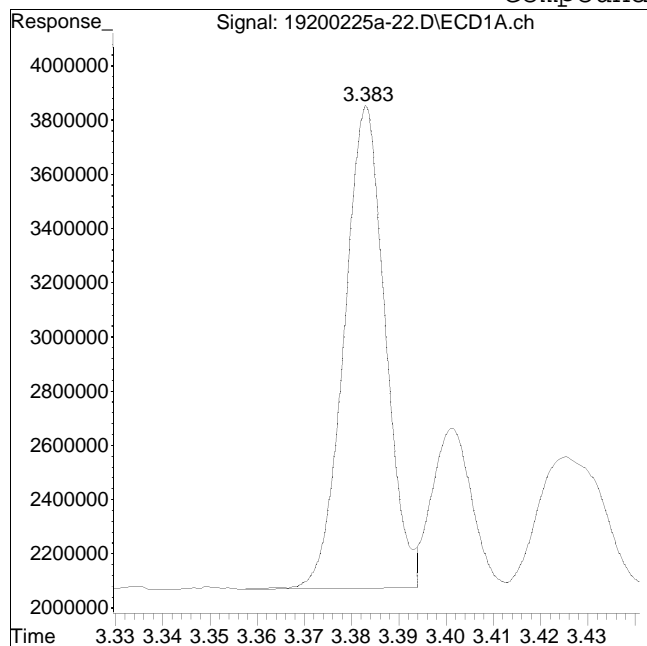
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest19\200225a\ QMethod : P19_pcb_11_20_19_ugL_ICA
Data File : 19200225a-22.D Operator : pest19:ad
Date Inj'd : 2/25/2020 1:04 pm Instrument : Pest 19
Sample : 12007485-12,42e,,rerrcc Quant Date : 2/25/2020 5:12 pm

Compound #13: 1260-5



Original Peak Response = 10694585

Manual Peak Response = 14188081 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-24.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:18 pm
 Operator : pest19:ad
 Sample : l2007485-14,42e,,rerr
 Misc : wgl344121,wgl343647,ical16321
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 19:18:49 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.032	28303426	43095703	250.000	250.000
Standard Area 1 : #1 = 29908086					Recovery =	94.63%
Standard Area 1 : #2 = 44679959					Recovery =	96.45%
14) i 2154_1br2nb	0.991	1.032	28303426	43095703	250.000	250.000
23) i 4268_1br2nb	0.991	1.032	28303426	43095703	250.000	250.000
34) i 1248_1br2nb	0.991	1.032	28303426	43095703	250.000	250.000
40) i 3262_1br2nb	0.991	1.032	28303426	43095703	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.246	1.375	52099970	76053006	352.738	345.521
Spiked Amount 500.000	Range 30 - 150				Recovery =	70.55%
3) s Decachlorobi	4.001	4.505	39444919	57969086	332.929M4	312.231
Spiked Amount 500.000	Range 30 - 150				Recovery =	66.59%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.566	2.948	854772	1642024	114.588M4	141.640
10) l2 1260-2	2.710	3.062	2300256	2928273	205.085M4	215.254M4
11) l2 1260-3	3.053	3.479	904023	1513993	123.858M4	127.684
12) l2 1260-4	3.224	3.621	2211308	3501756	144.083M4	140.339M4
13) l2 1260-5	3.381	3.832	2186011	3298385	197.118M4	190.289
Sum 1260-1			8456369	12884430	784.733	815.206

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-24.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:18 pm
 Operator : pest19:ad
 Sample : l2007485-14,42e,,rerr
 Misc : wgl1344121,wgl1343647,ical16321
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 19:18:49 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					156.947	163.041
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-24.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:18 pm
 Operator : pest19:ad
 Sample : l2007485-14,42e,,rerr
 Misc : wgl1344121,wgl1343647,ical16321
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 19:18:49 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-24.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:18 pm
 Operator : pest19:ad
 Sample : 12007485-14,42e,,rerr
 Misc : wgl1344121,wgl1343647,ical16321
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 19:18:49 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

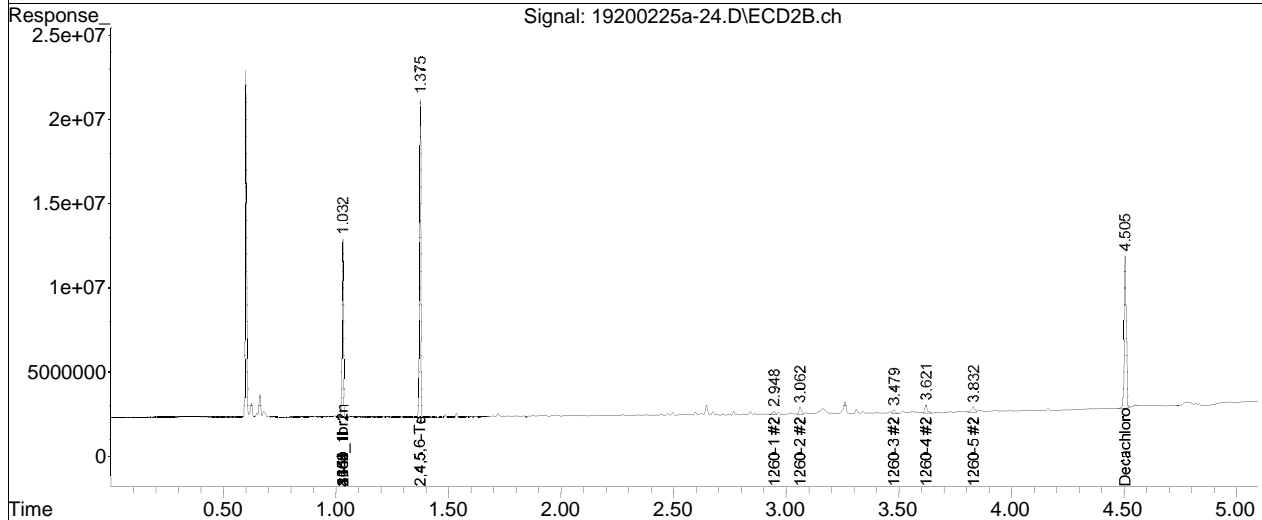
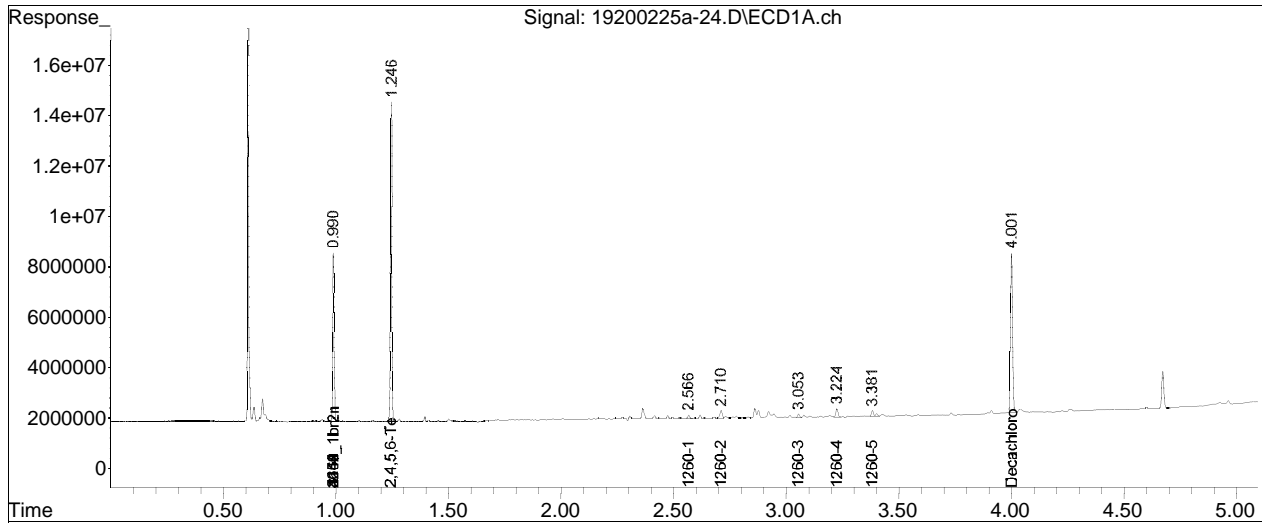
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200225a\
Data File : 19200225a-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2020 01:18 pm
Operator : pest19:ad
Sample : 12007485-14,42e,,rerr
Misc : wg1344121,wg1343647,ical16321
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 19:18:49 2020
Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

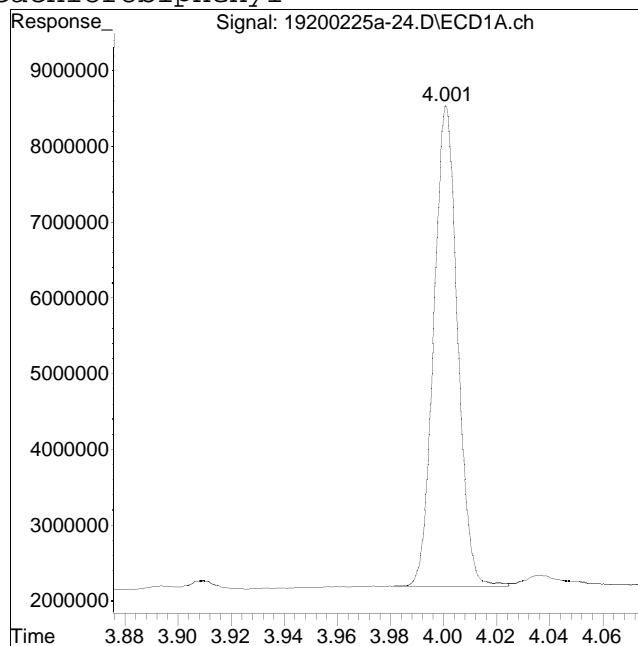
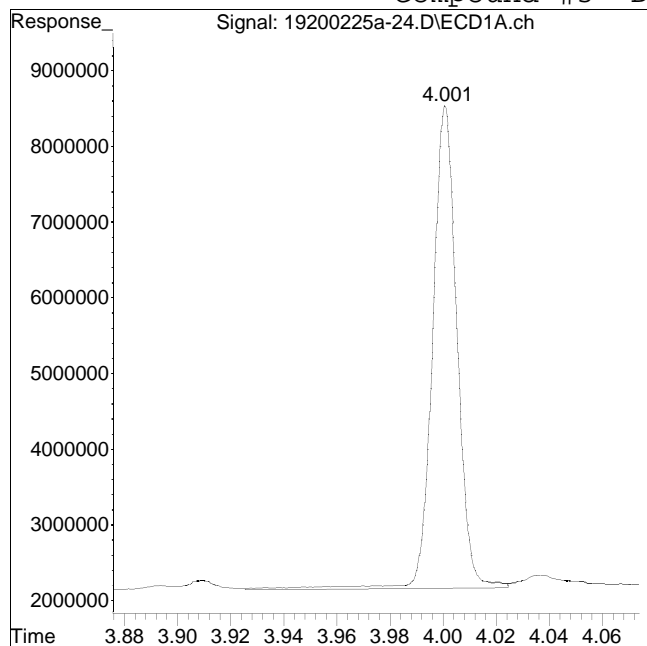


Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-24.D
Date Inj'd : 2/25/2020 1:18 pm
Sample : 12007485-14,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:06 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 41027360

Manual Peak Response = 39444919 M4

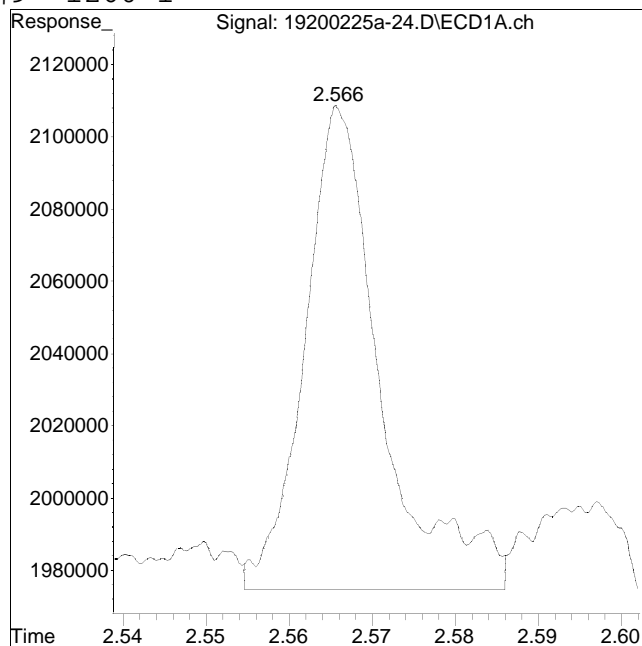
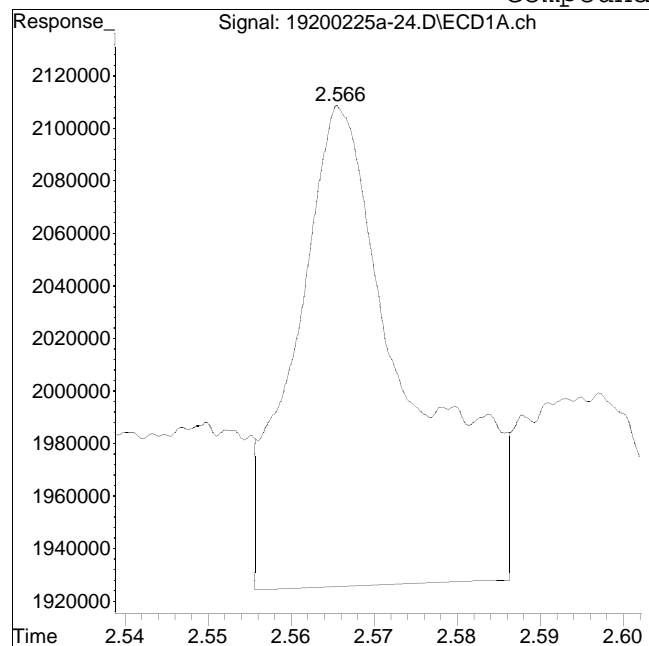
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-24.D
Date Inj'd : 2/25/2020 1:18 pm
Sample : 12007485-14,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:06 pm

Compound #9: 1260-1



Original Peak Response = 1742740

Manual Peak Response = 854772 M4

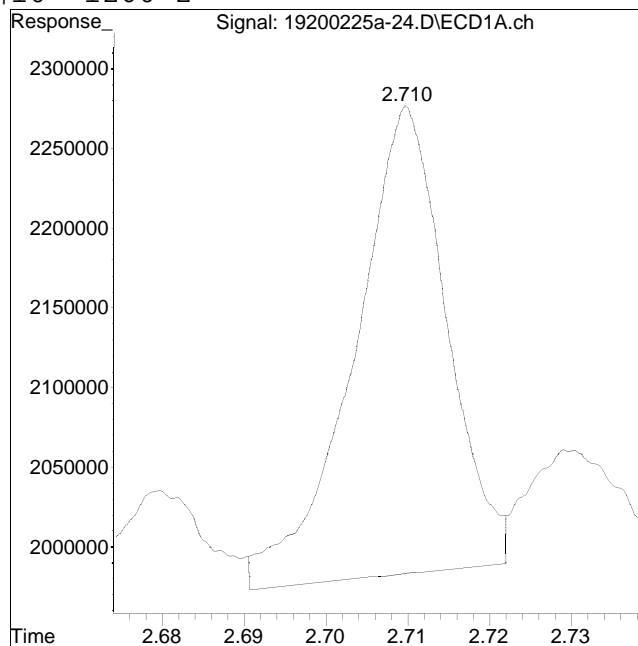
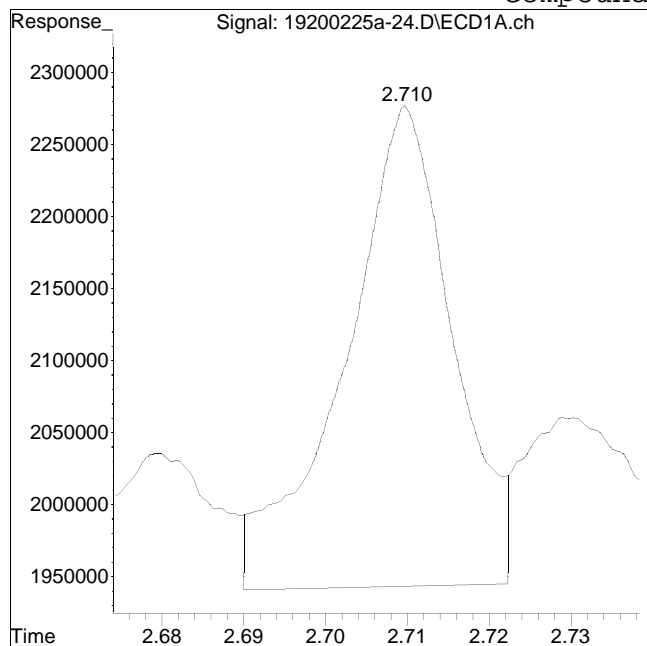
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-24.D
Date Inj'd : 2/25/2020 1:18 pm
Sample : 12007485-14,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:06 pm

Compound #10: 1260-2



Original Peak Response = 3053840

Manual Peak Response = 2300256 M4

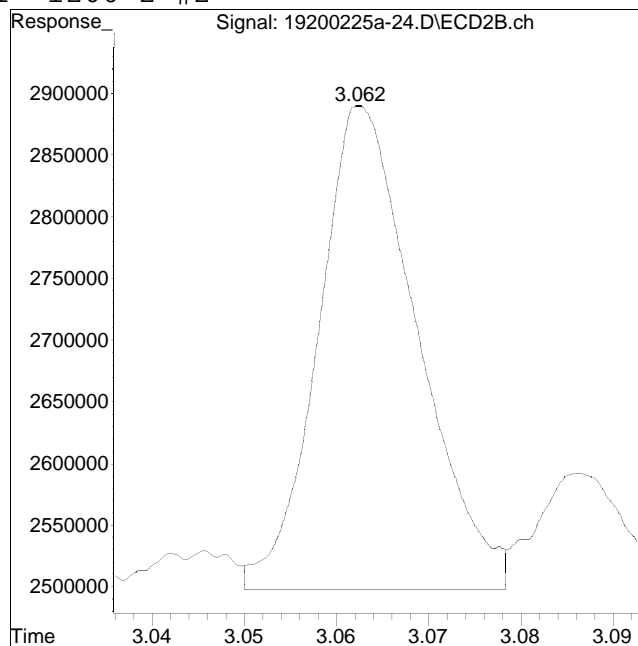
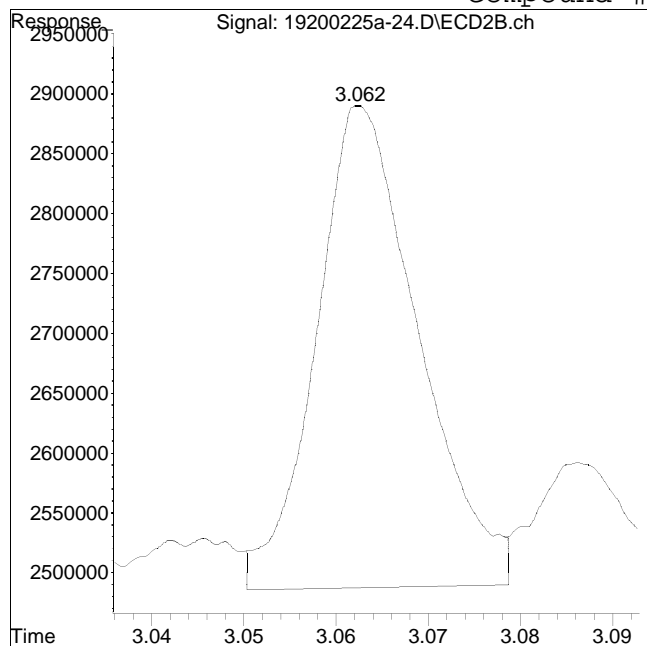
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-24.D
Date Inj'd : 2/25/2020 1:18 pm
Sample : 12007485-14,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:06 pm

Compound #61: 1260-2 #2



Original Peak Response = 3105529

Manual Peak Response = 2928273 M4

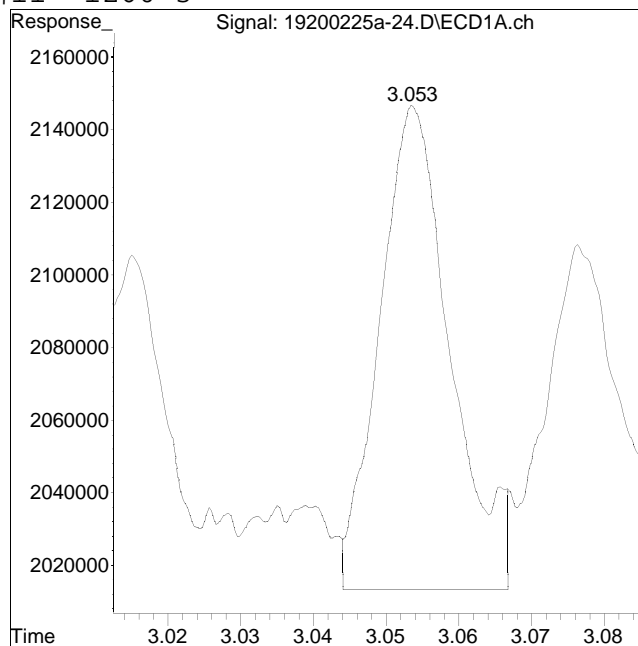
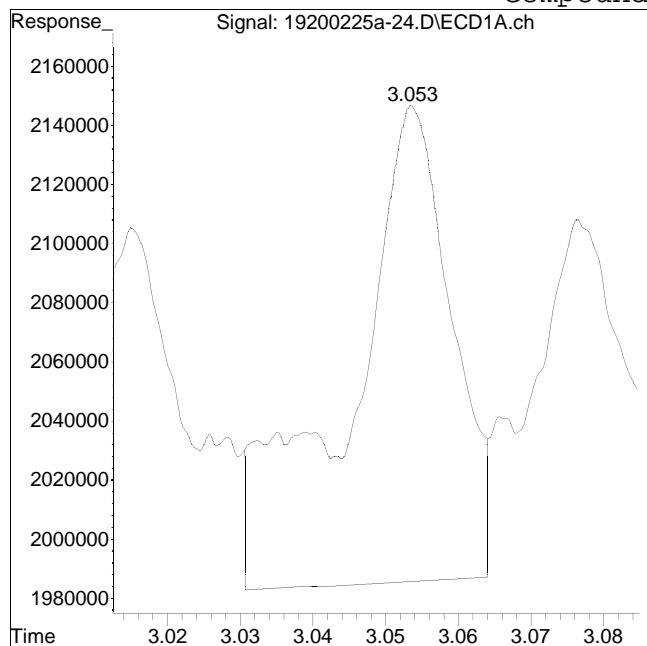
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-24.D
Date Inj'd : 2/25/2020 1:18 pm
Sample : 12007485-14,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:06 pm

Compound #11: 1260-3



Original Peak Response = 1585150

Manual Peak Response = 904023 M4

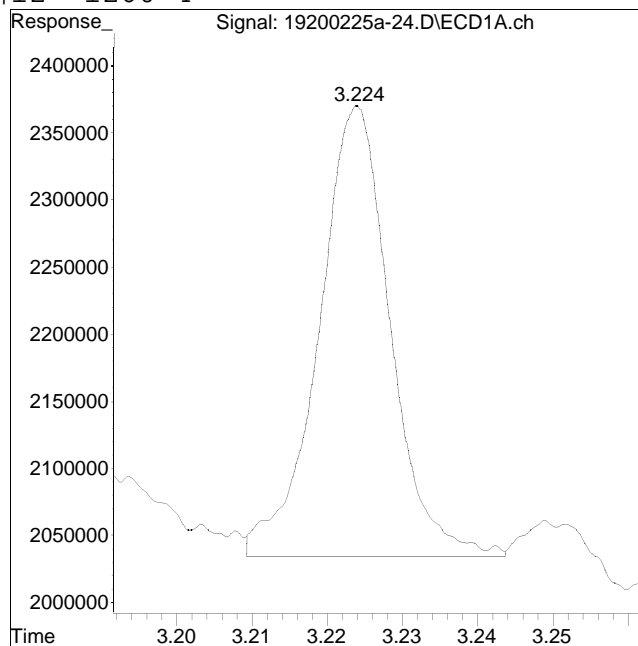
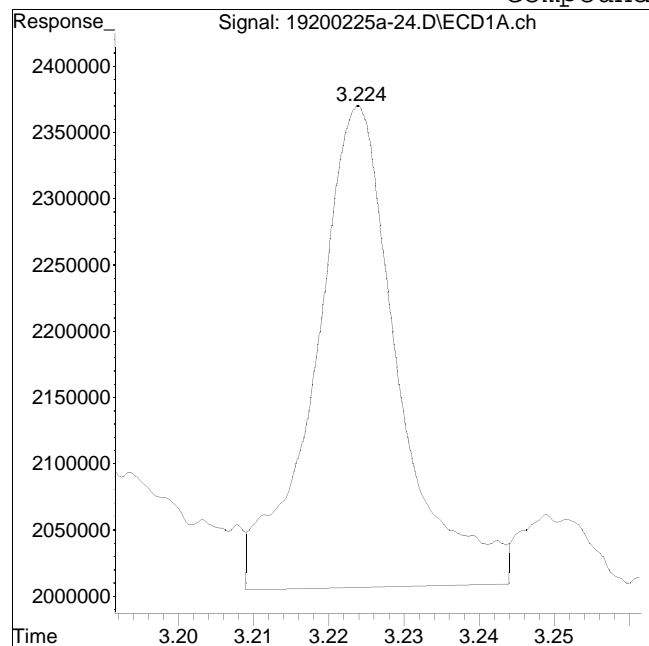
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-24.D
Date Inj'd : 2/25/2020 1:18 pm
Sample : 12007485-14,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:06 pm

Compound #12: 1260-4



Original Peak Response = 2800553

Manual Peak Response = 2211308 M4

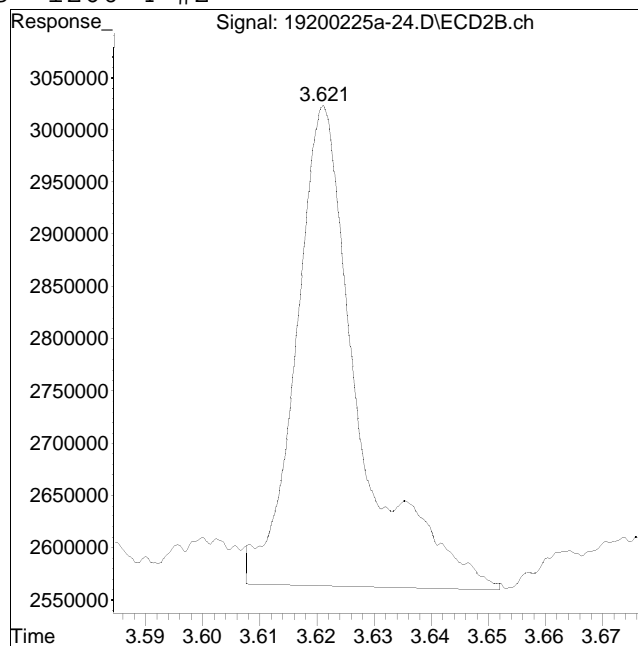
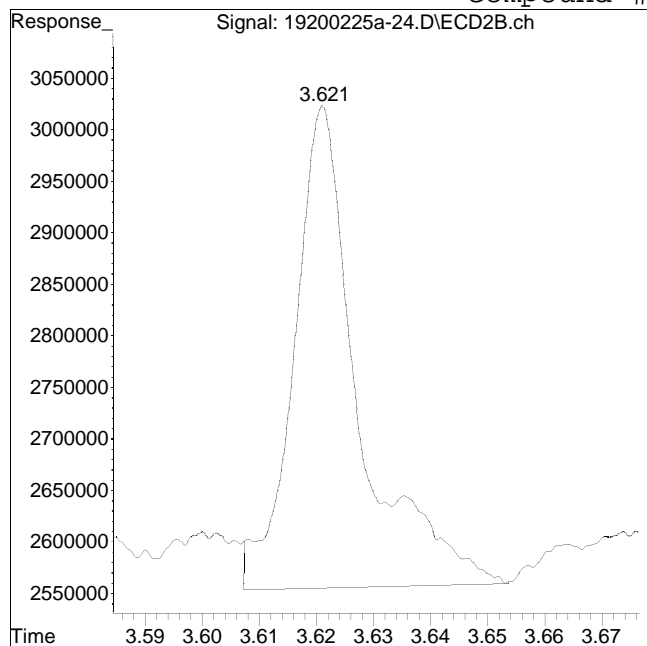
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-24.D
Date Inj'd : 2/25/2020 1:18 pm
Sample : 12007485-14,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:06 pm

Compound #63: 1260-4 #2



Original Peak Response = 3687531

Manual Peak Response = 3501756 M4

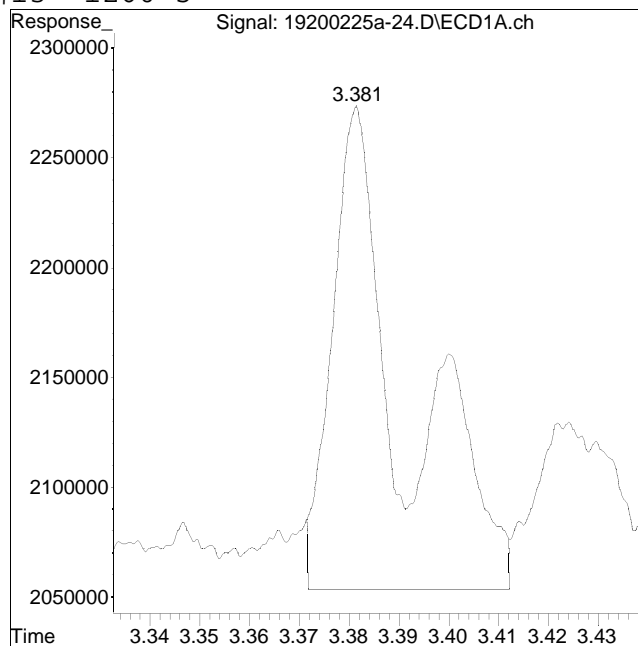
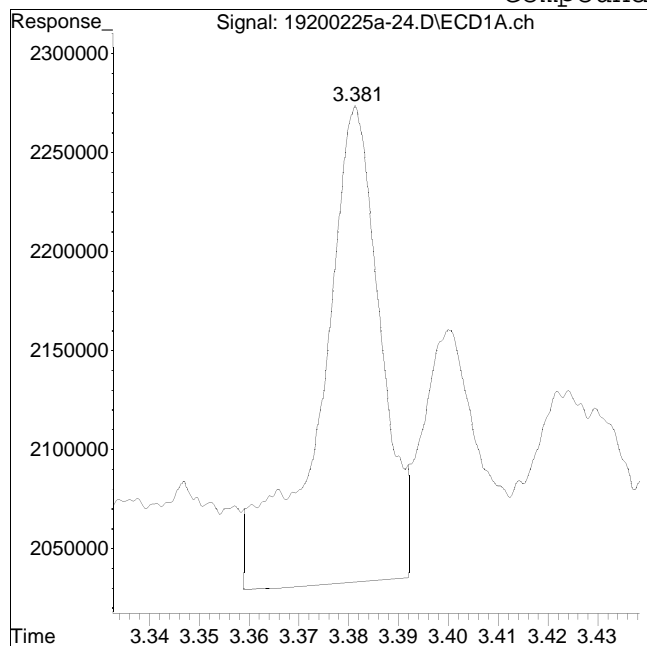
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-24.D
Date Inj'd : 2/25/2020 1:18 pm
Sample : 12007485-14,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:06 pm

Compound #13: 1260-5



Original Peak Response = 2016718

Manual Peak Response = 2186011 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-25.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:25 pm
 Operator : pest19:ad
 Sample : l2007485-17,42e,,rerr
 Misc : wgl1344121,wgl1343647,ical16321
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 19:24:15 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	0.990	1.032	28319771	42728771	250.000M4	250.000M4
	Standard Area 1 : #1 = 29908086					Recovery = 94.69%	
	Standard Area 1 : #2 = 44679959					Recovery = 95.63%	
14) i	2154_1br2nb	0.990	1.032	28319771	42728771	250.000M4	250.000M4
23) i	4268_1br2nb	0.990	1.032	28319771	42728771	250.000M4	250.000M4
34) i	1248_1br2nb	0.990	1.032	28319771	42728771	250.000M4	250.000M4
40) i	3262_1br2nb	0.990	1.032	28319771	42728771	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.246	1.375	47514995	69276093	321.510	317.435
	Spiked Amount 500.000	Range 30 - 150		Recovery = 64.30%		63.49%	
3) s	Decachlorobi	4.001	4.505	38446876	54731348	324.318	297.323
	Spiked Amount 500.000	Range 30 - 150		Recovery = 64.86%		59.46%	
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	2.566	2.948	720990	960532	96.598M4	83.566M4
10) l2	1260-2	2.711	3.062	1324279	1396749	118.001	103.555M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-25.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:25 pm
 Operator : pest19:ad
 Sample : l2007485-17,42e,,rerr
 Misc : wgl344121,wgl343647,ical16321
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 19:24:15 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) 12	1260-3	3.054	3.479	800927	992538	109.670M4	84.426M4
12) 12	1260-4	3.224	3.621	1828203	2699007	119.052	109.096
13) 12	1260-5	3.381	3.832	959017	1554017	86.427M4	90.423
	Sum 1260-1			5633416	7602842	529.749	471.067
	Average 1260-1					105.950	94.213
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-25.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:25 pm
 Operator : pest19:ad
 Sample : l2007485-17,42e,,rerr
 Misc : wgl1344121,wgl1343647,ical16321
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 19:24:15 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-25.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 01:25 pm
 Operator : pest19:ad
 Sample : 12007485-17,42e,,rerr
 Misc : wgl1344121,wgl1343647,ical16321
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 19:24:15 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

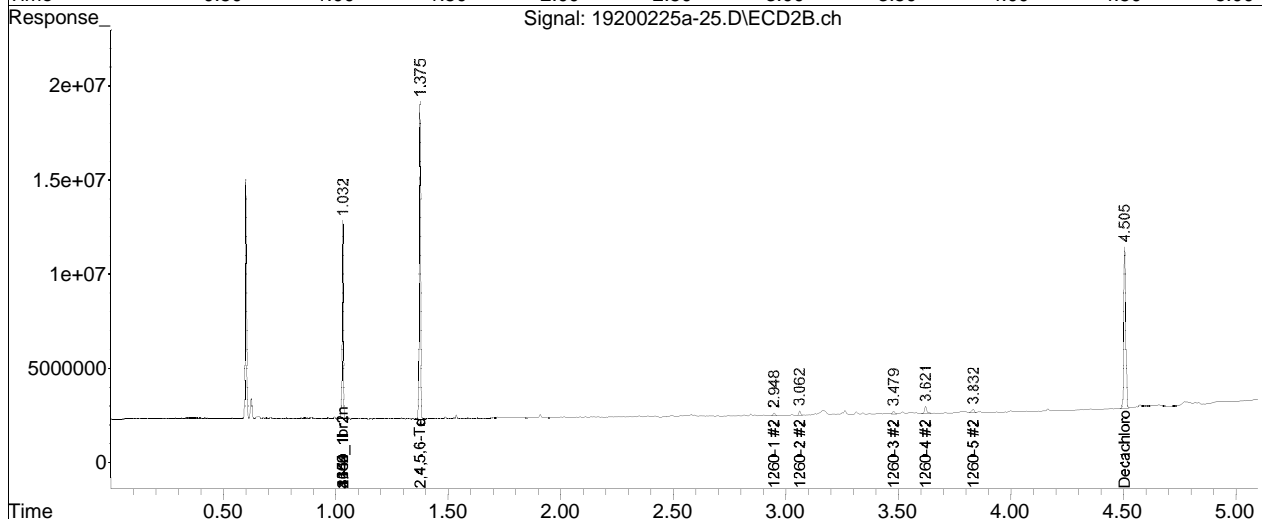
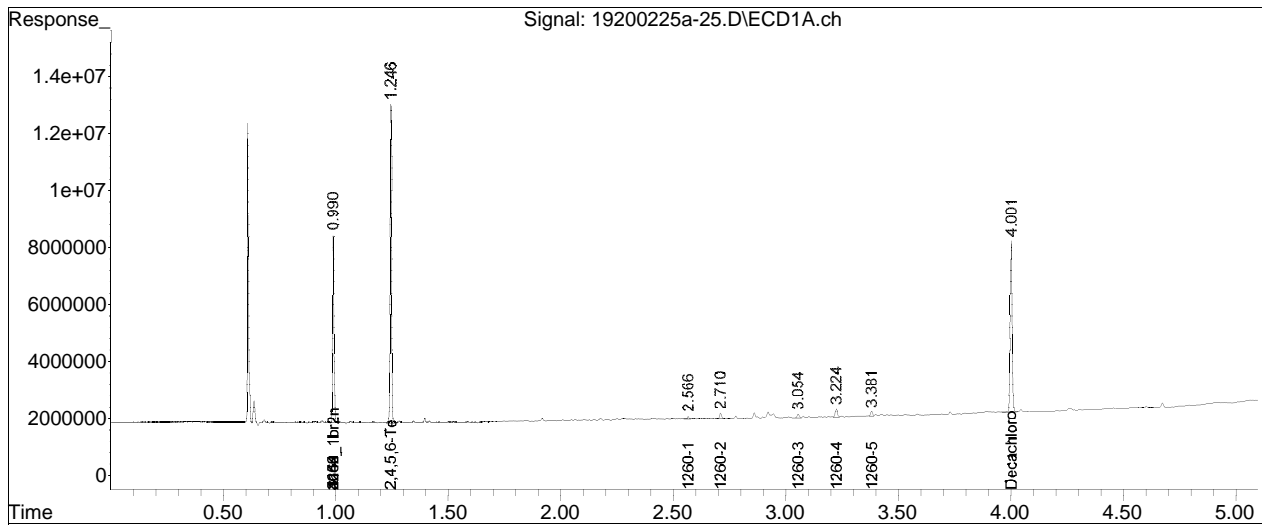
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200225a\
Data File : 19200225a-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2020 01:25 pm
Operator : pest19:ad
Sample : 12007485-17,42e,,rerr
Misc : wg1344121,wg1343647,ical16321
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 19:24:15 2020
Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

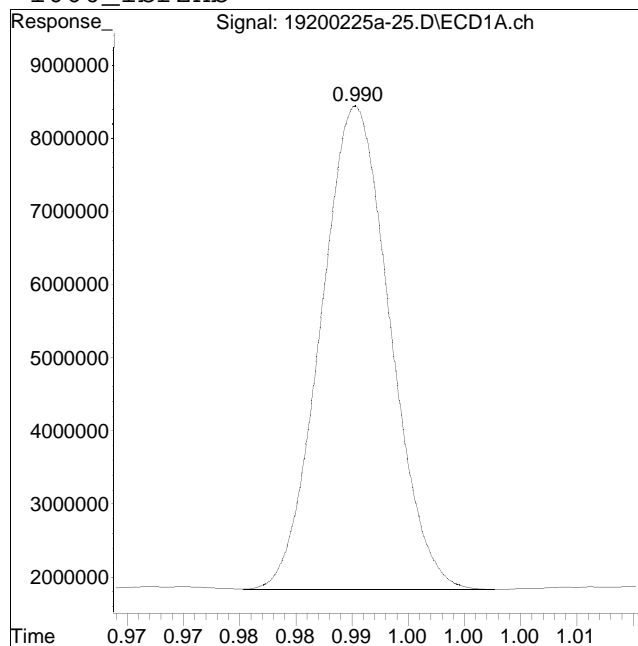
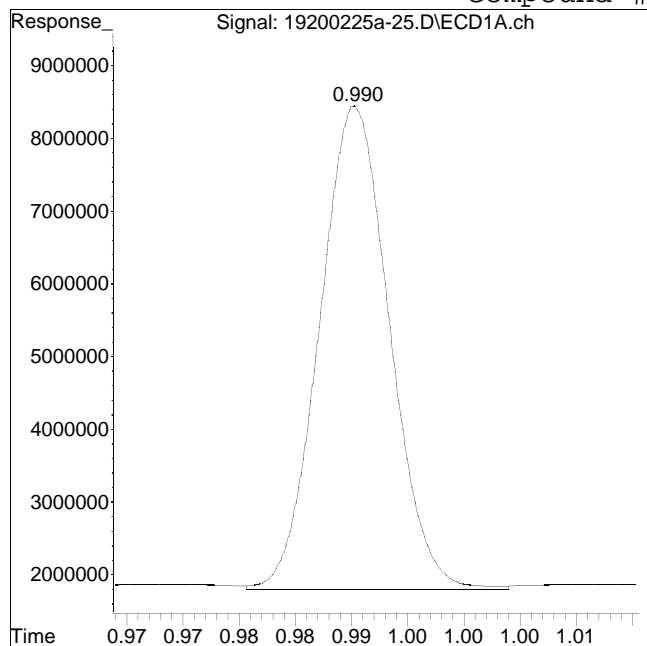


Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-25.D
Date Inj'd : 2/25/2020 1:25 pm
Sample : 12007485-17,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:07 pm

Compound #1: 1660_1br2nb



Original Peak Response = 28782660

Manual Peak Response = 28319771 M4

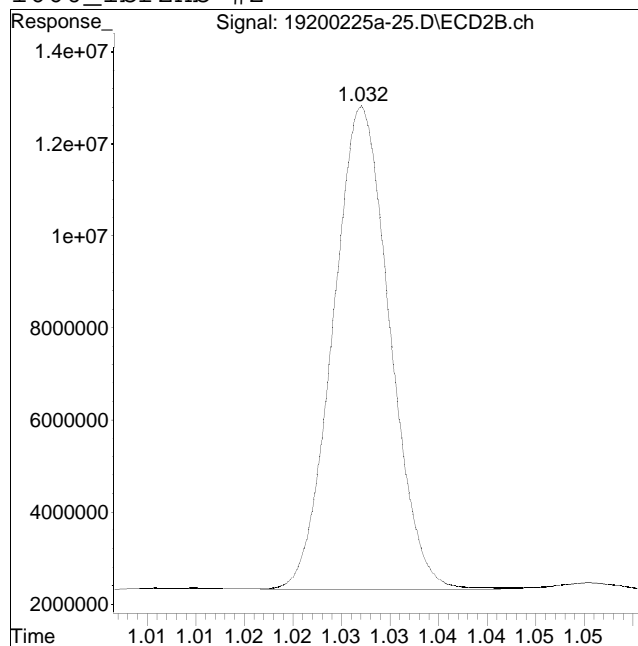
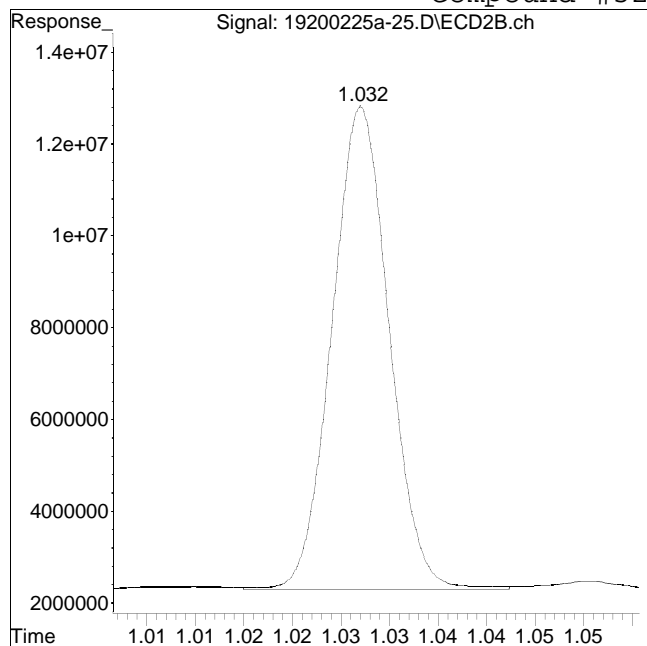
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-25.D
Date Inj'd : 2/25/2020 1:25 pm
Sample : 12007485-17,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:07 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 43166784

Manual Peak Response = 42728771 M4

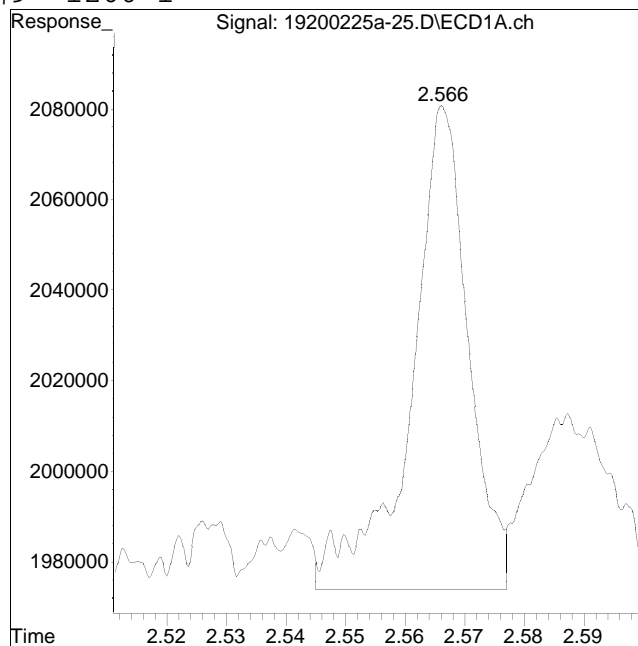
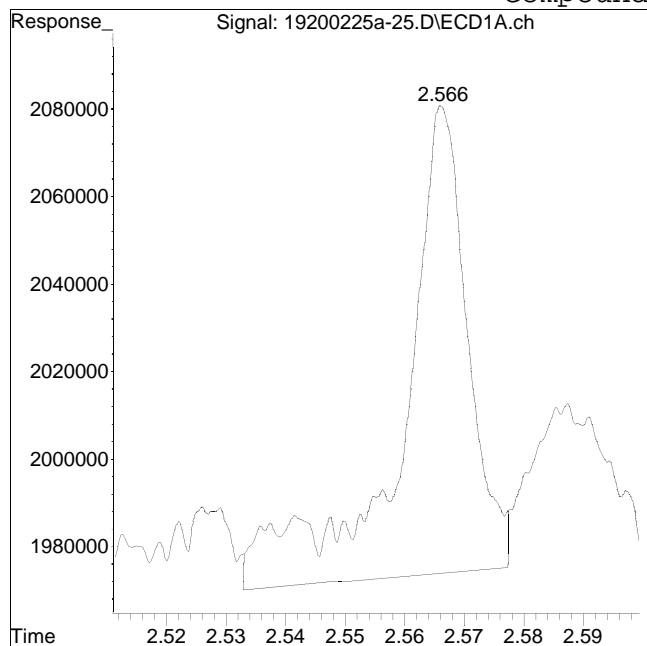
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-25.D
Date Inj'd : 2/25/2020 1:25 pm
Sample : 12007485-17,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:07 pm

Compound #9: 1260-1



Original Peak Response = 819425

Manual Peak Response = 720990 M4

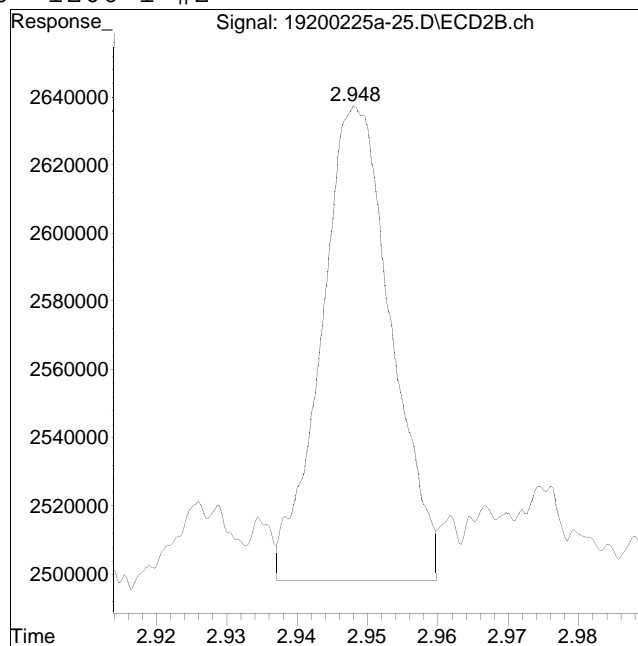
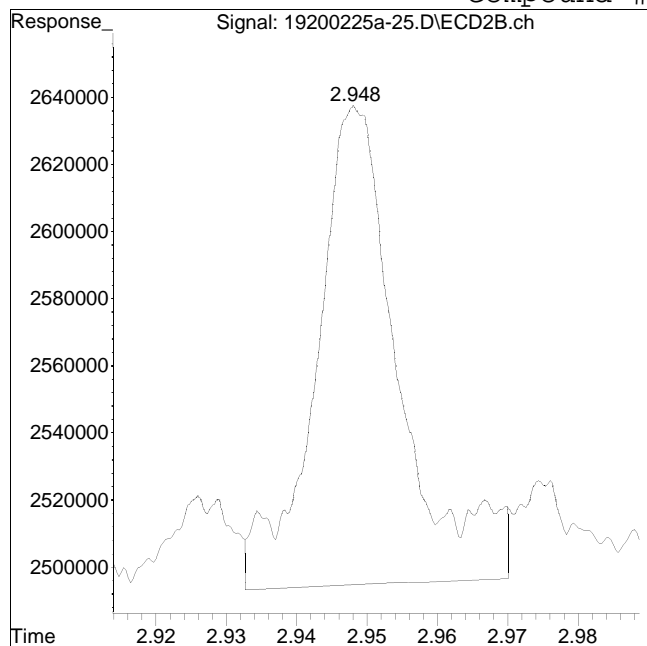
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-25.D
Date Inj'd : 2/25/2020 1:25 pm
Sample : 12007485-17,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:07 pm

Compound #60: 1260-1 #2



Original Peak Response = 1180294

Manual Peak Response = 960532 M4

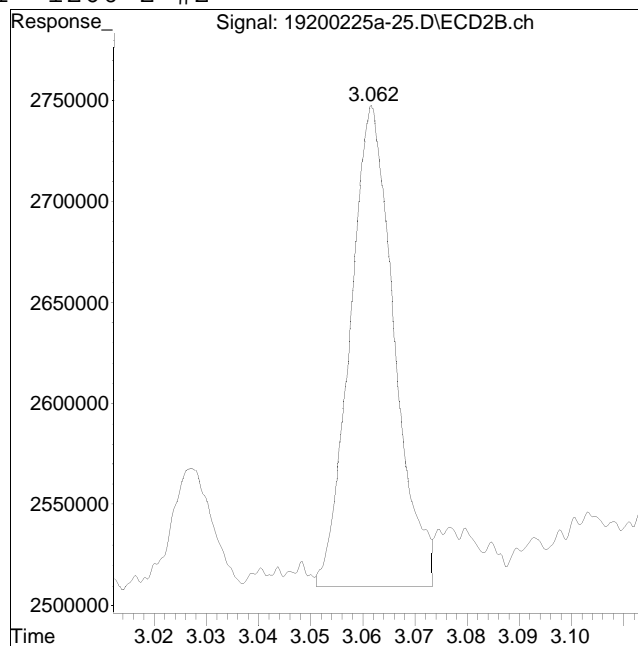
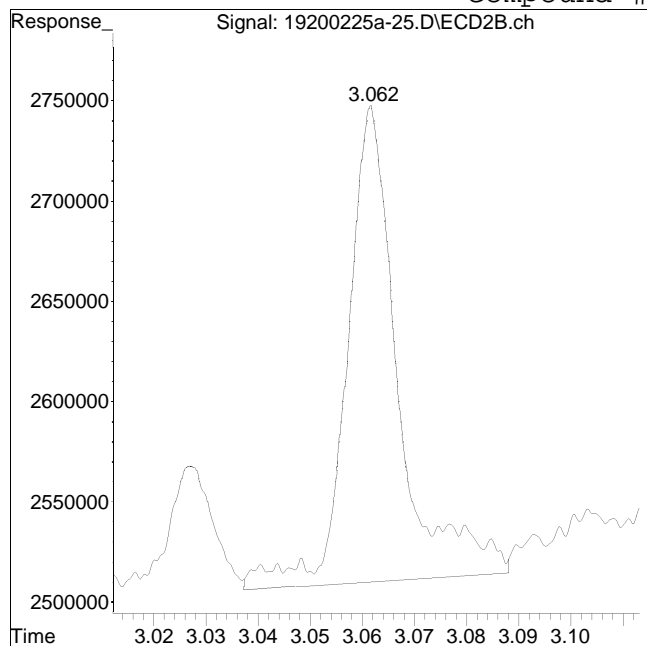
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-25.D
Date Inj'd : 2/25/2020 1:25 pm
Sample : 12007485-17,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:07 pm

Compound #61: 1260-2 #2



Original Peak Response = 1617896

Manual Peak Response = 1396749 M4

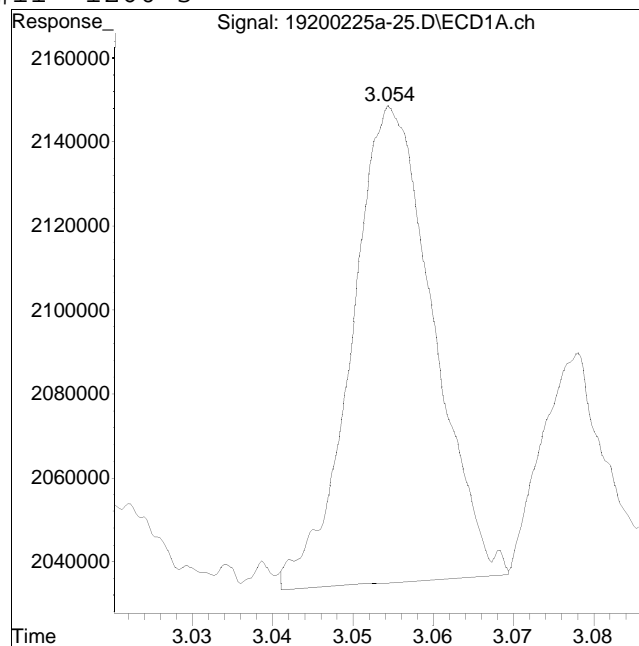
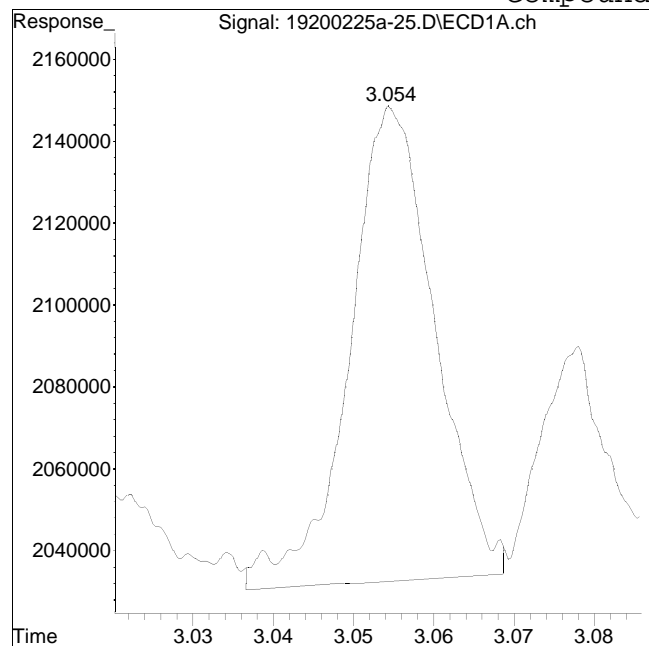
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-25.D
Date Inj'd : 2/25/2020 1:25 pm
Sample : 12007485-17,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:07 pm

Compound #11: 1260-3



Original Peak Response = 855457

Manual Peak Response = 800927 M4

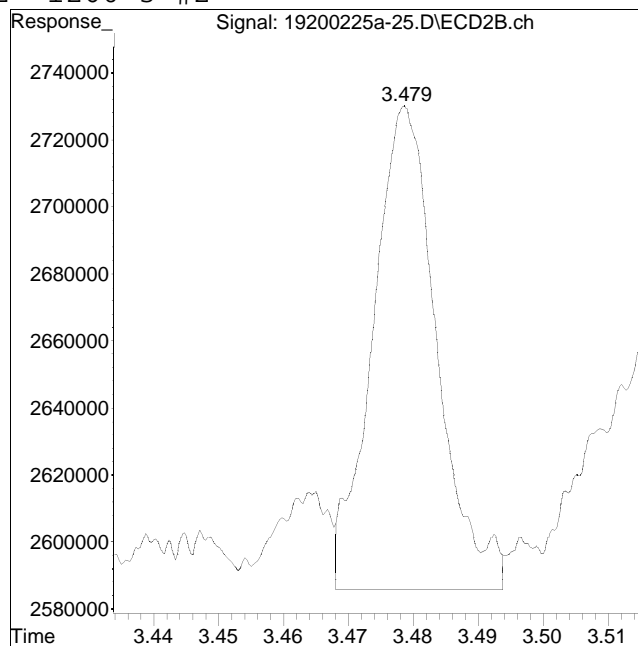
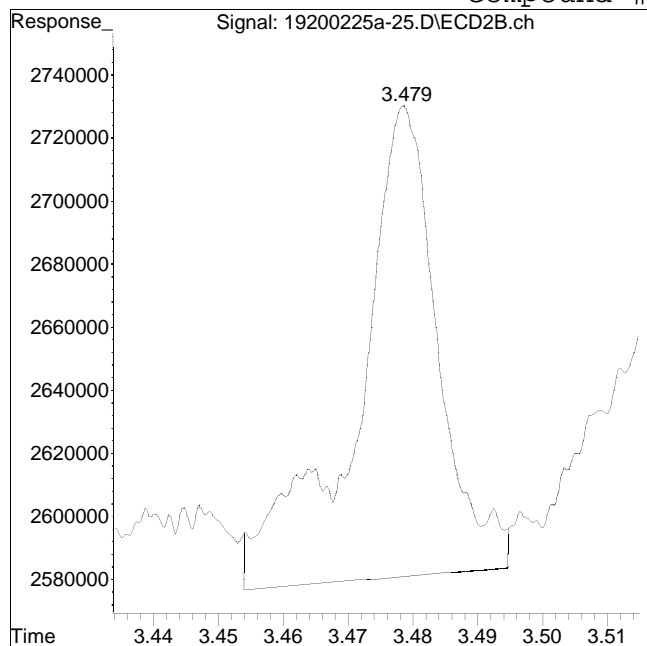
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-25.D
Date Inj'd : 2/25/2020 1:25 pm
Sample : 12007485-17,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:07 pm

Compound #62: 1260-3 #2



Original Peak Response = 1302041

Manual Peak Response = 992538 M4

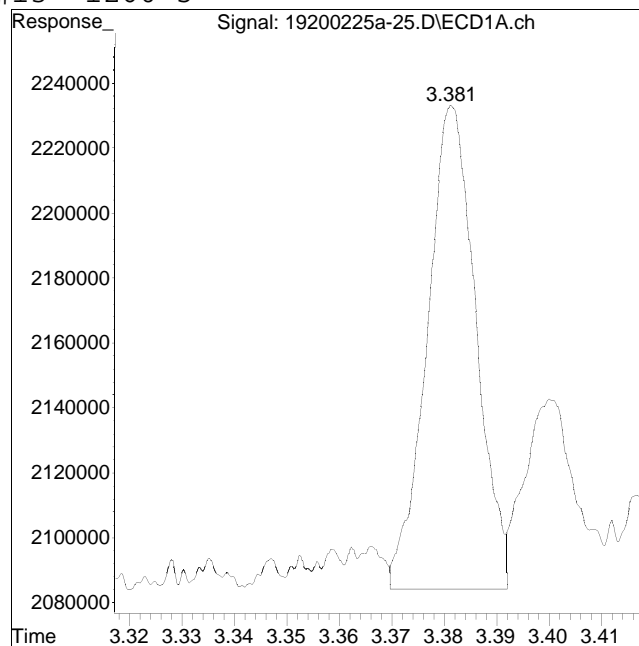
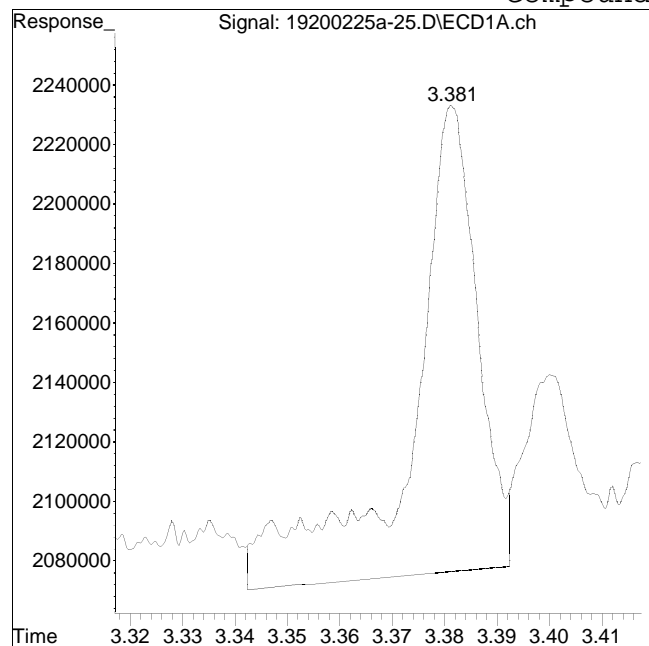
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-25.D
Date Inj'd : 2/25/2020 1:25 pm
Sample : 12007485-17,42e,,rerr

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 2/25/2020 5:07 pm

Compound #13: 1260-5



Original Peak Response = 1393986

Manual Peak Response = 959017 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200221A\
 Data File : P2200221a-18.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 21 Feb 2020 5:17 pm
 Operator : pest2:cw
 Sample : L2007485-27,42e,,
 Misc : wgl1343223,wgl1342485,ical16010
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 17:20:05 2020
 Quant Method : I:\Pest2\200221A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200221A\P2200221a-06.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.100	2.290	110.7E6	76300816	25.000M1	25.000
Standard Area 1 : #1 = 87303753					Recovery = 126.76%	
Standard Area 1 : #2 = 58353170					Recovery = 130.76%	
14) i 2154_1br2nb	2.100	2.290	110.7E6	76300816	25.000M1	25.000
23) i 4268_1br2nb	2.100	2.290	110.7E6	76300816	25.000M1	25.000
34) i 1248_1br2nb	2.100	2.290	110.7E6	76300816	25.000M1	25.000
40) i 3262_1br2nb	2.100	2.290	110.7E6	76300816	25.000M1	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.580	2.932	55366426	39776625	12.193	12.373
Spiked Amount	20.000	Range 30 - 150	Recovery = 60.97%			61.86%
3) s Decachlorobi	6.576	7.278	44737332	30827712	10.263	12.266M4
Spiked Amount	20.000	Range 30 - 150	Recovery = 51.31%			61.33%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200221A\
 Data File : P2200221a-18.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 21 Feb 2020 5:17 pm
 Operator : pest2:cw
 Sample : L2007485-27,42e,,
 Misc : wgl1343223,wgl1342485,ical16010
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 17:20:05 2020
 Quant Method : I:\Pest2\200221A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200221A\P2200221a-06.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31)	19 1268-3	0.000	0.000	0	0	N.D.	N.D.
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200221A\
 Data File : P2200221a-18.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 21 Feb 2020 5:17 pm
 Operator : pest2:cw
 Sample : L2007485-27,42e,,
 Misc : wgl1343223,wgl1342485,ical16010
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 17:20:05 2020
 Quant Method : I:\Pest2\200221A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200221A\P2200221a-06.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.	
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.	
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.	
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.	
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.	
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.	
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.	
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.	
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

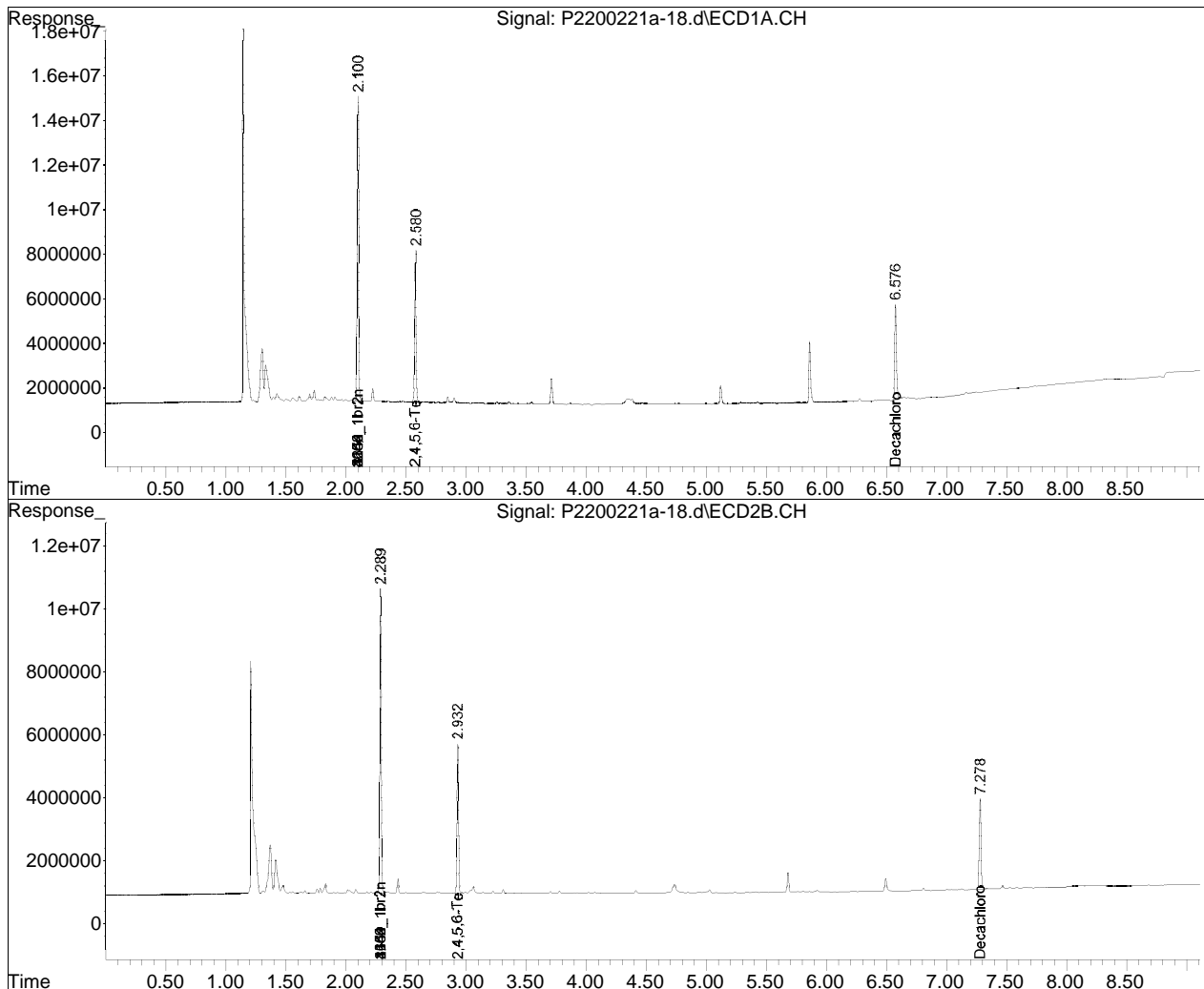
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-06.d••ed)

Data Path : I:\Pest2\200221A\
Data File : P2200221a-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Feb 2020 5:17 pm
Operator : pest2:cw
Sample : L2007485-27,42e,,
Misc : wg1343223,wg1342485,ical16010
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 17:20:05 2020
Quant Method : I:\Pest2\200221A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

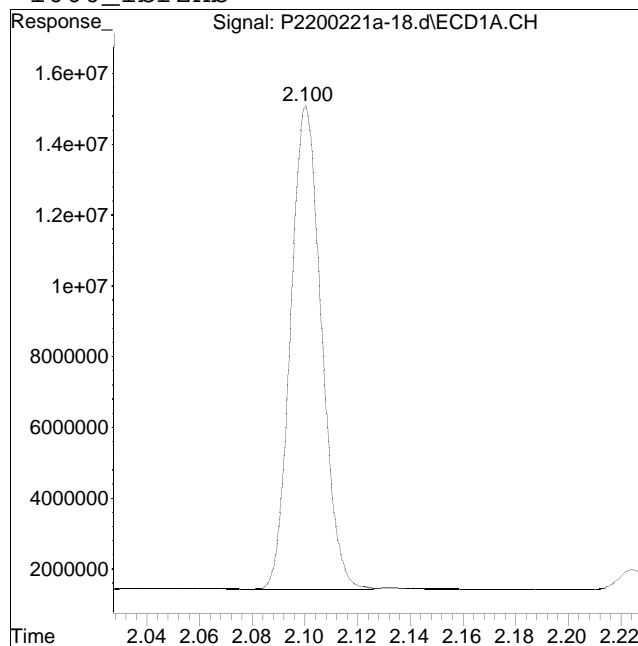
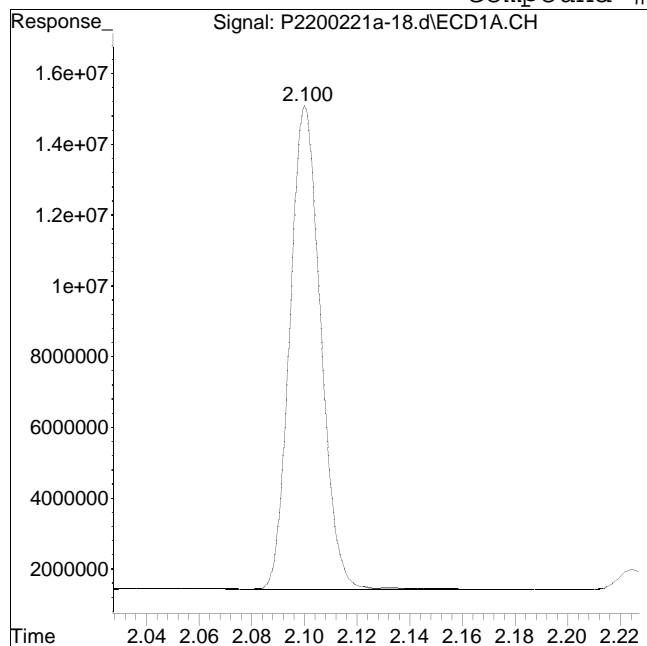


Manual Integration Report

Data Path : I:\Pest2\200221a\
Data File : P2200221a-18.d
Date Inj'd : 2/21/2020 5:17 pm
Sample : L2007485-27,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:cw
Instrument : PEST 2
Quant Date : 2/25/2020 5:17 pm

Compound #1: 1660_1br2nb



Original Peak Response = 111244852

Manual Peak Response = 110669769 M1

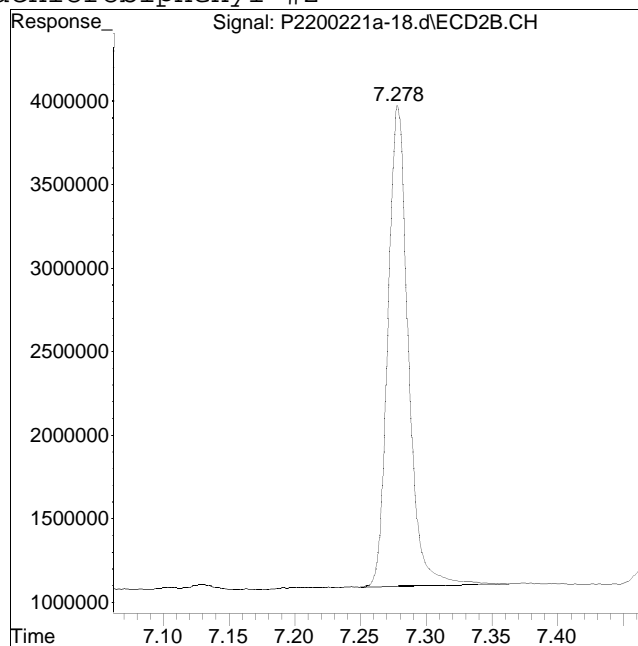
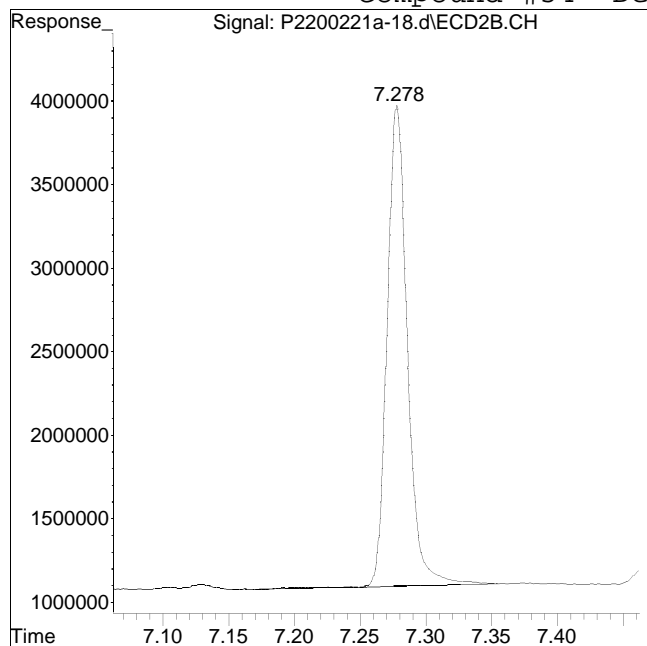
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest2\200221a\
Data File : P2200221a-18.d
Date Inj'd : 2/21/2020 5:17 pm
Sample : L2007485-27,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:cw
Instrument : PEST 2
Quant Date : 2/25/2020 5:17 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 30838412

Manual Peak Response = 30827712 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:15 pm
 Operator : pest23:cw
 Sample : l2007485-19,42e,,rrco
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:20:29 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.922	1.018	32303244	34172506	250.000M4	250.000
Standard Area 1 : #1 = 19643802					Recovery = 164.44%	
Standard Area 1 : #2 = 23540908					Recovery = 145.16%	
14) i 2154_1br2nb	0.922	1.018	32303244	34172506	250.000M4	250.000
23) i 4268_1br2nb	0.922	1.018	32303244	34172506	250.000M4	250.000
34) i 1248_1br2nb	0.922	1.018	32303244	34172506	250.000M4	250.000
40) i 3262_1br2nb	0.922	1.018	32303244	34172506	250.000M4	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.360	49938230	60959071	252.898	322.758
Spiked Amount 500.000	Range 30 - 150		Recovery = 50.58%		64.55%	
3) s Decachlorobi	3.528	4.156	43215688	49299101	319.697	289.224
Spiked Amount 500.000	Range 30 - 150		Recovery = 63.94%		57.84%	
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.719	668358	987598	68.382M4	94.204M4
10) l2 1260-2	2.388	2.818	982679	1171966	65.852M1	94.715M4
11) l2 1260-3	2.681	3.194	623477	798095	67.469M4	75.876M4
12) l2 1260-4	2.826	3.323	1629726	1824876	82.451M4	84.329M1

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:15 pm
 Operator : pest23:cw
 Sample : 12007485-19,42e,,rrco
 Misc : wg1343753,wg1343014,ical16474
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:20:29 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) 12	1260-5	2.966	3.519	1060024	1549129	100.603M4	101.044M4
	Sum 1260-1			4964265	6331664	384.758	450.168
	Average 1260-1					76.952	90.034
15) 13	1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13	1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:15 pm
 Operator : pest23:cw
 Sample : l2007485-19,42e,,rrco
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:20:29 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:15 pm
 Operator : pest23:cw
 Sample : 12007485-19,42e,,rrco
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:20:29 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

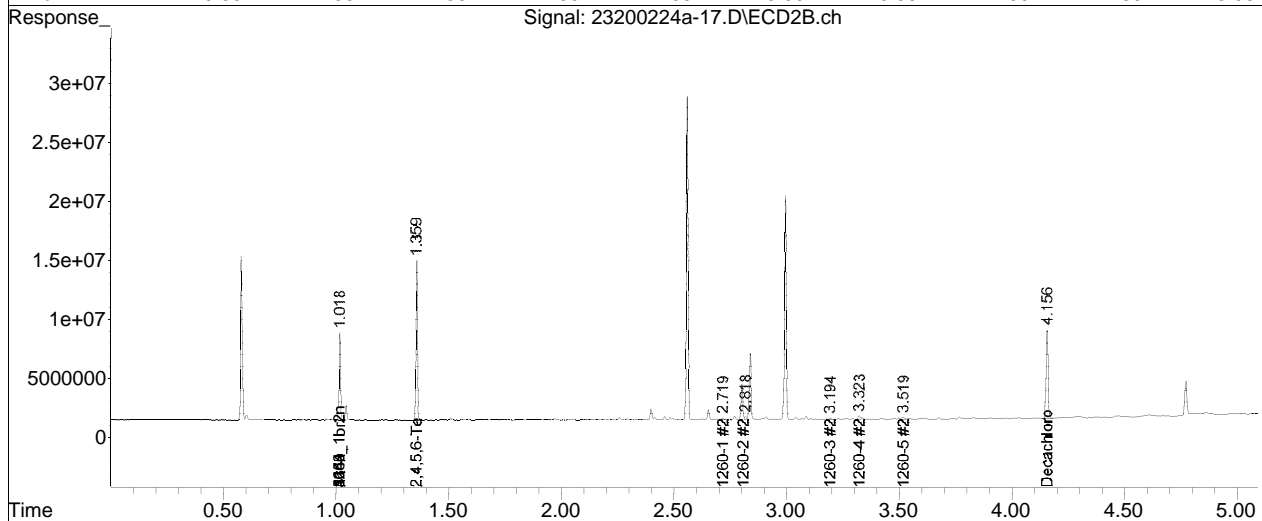
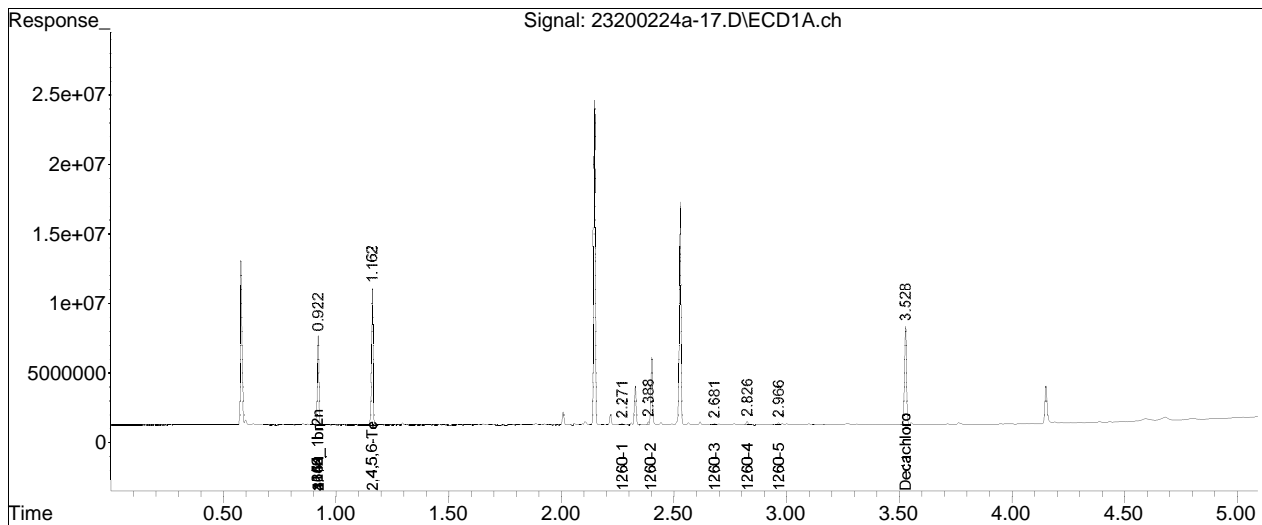
Sub List : Default - All compounds listed24a\23200224a-02.D**

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 01:15 pm
Operator : pest23:cw
Sample : l2007485-19,42e,,rrco
Misc : wg1343753,wg1343014,ical16474
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:20:29 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

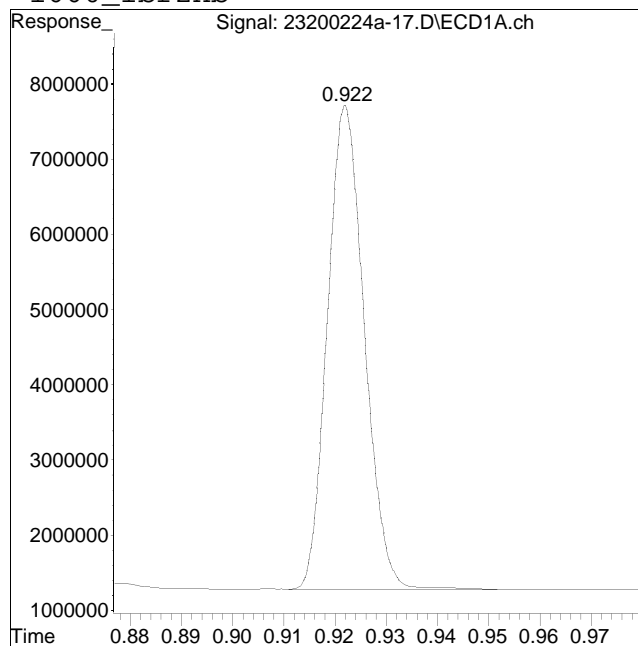
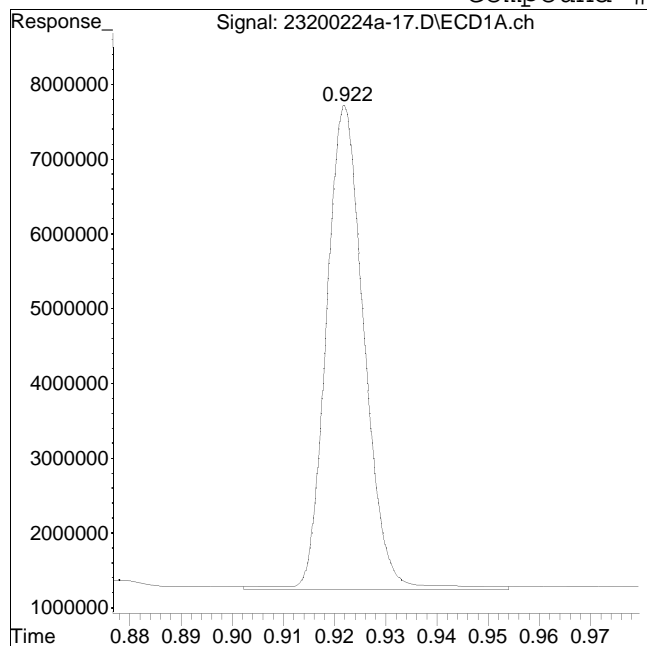
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-17.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:15 pm Instrument : Pest 23
Sample : 12007485-19,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #1: 1660_1br2nb



Original Peak Response = 33500281

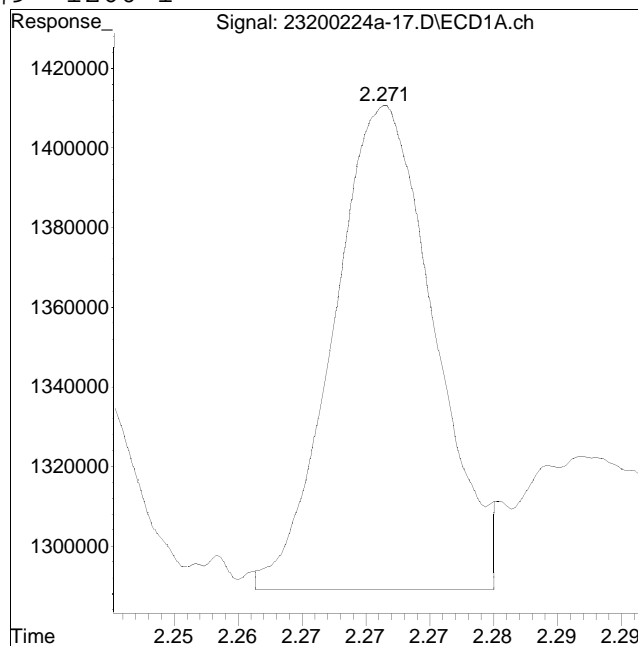
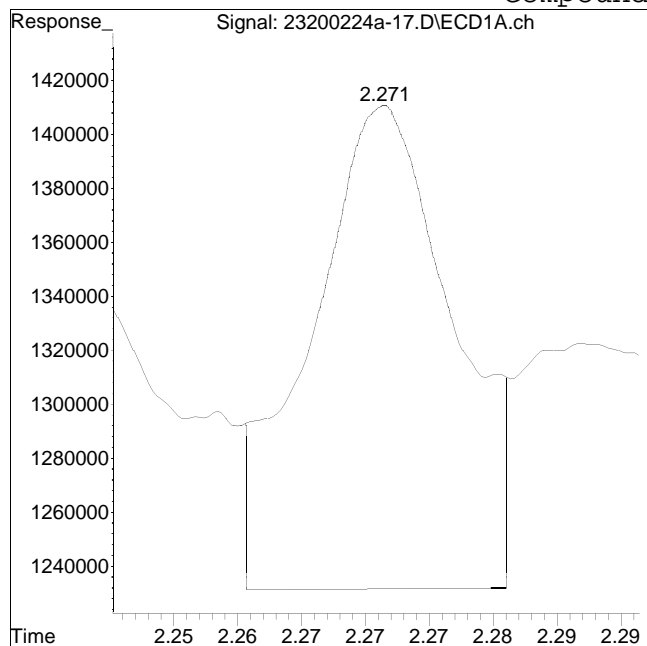
Manual Peak Response = 32303244 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-17.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:15 pm Instrument : Pest 23
Sample : 12007485-19,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #9: 1260-1



Original Peak Response = 1388318

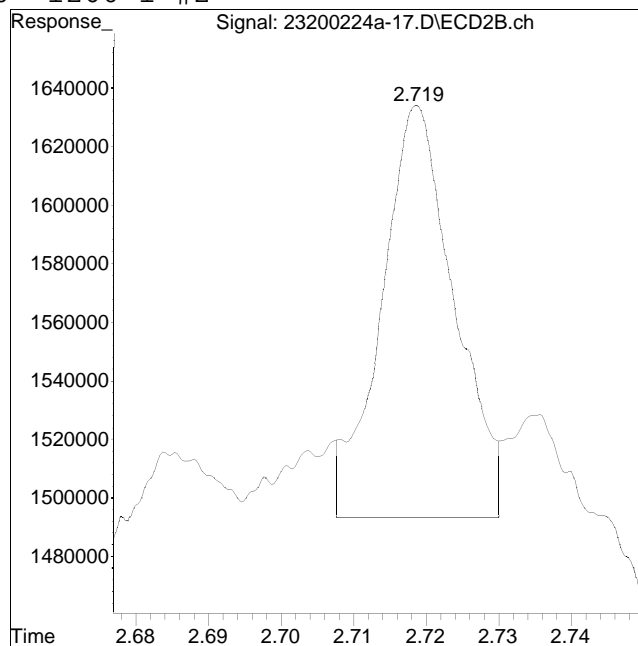
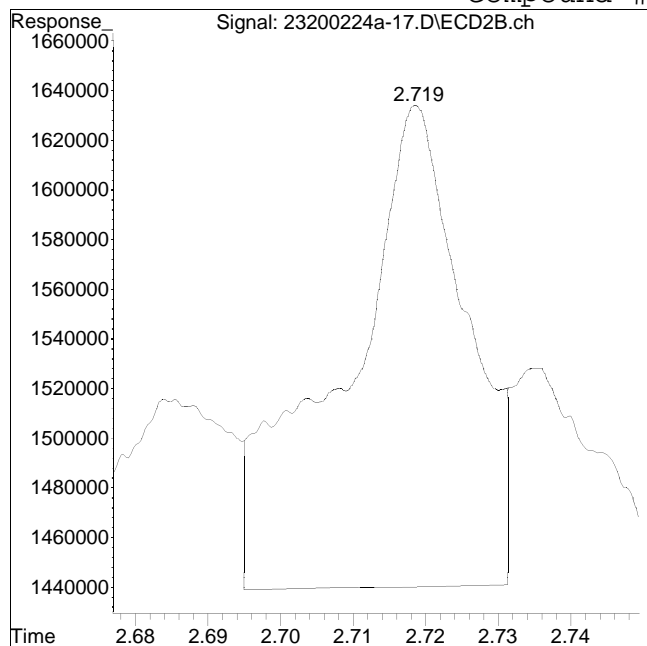
Manual Peak Response = 668358 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-17.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:15 pm Instrument : Pest 23
Sample : 12007485-19,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #60: 1260-1 #2



Original Peak Response = 2286840

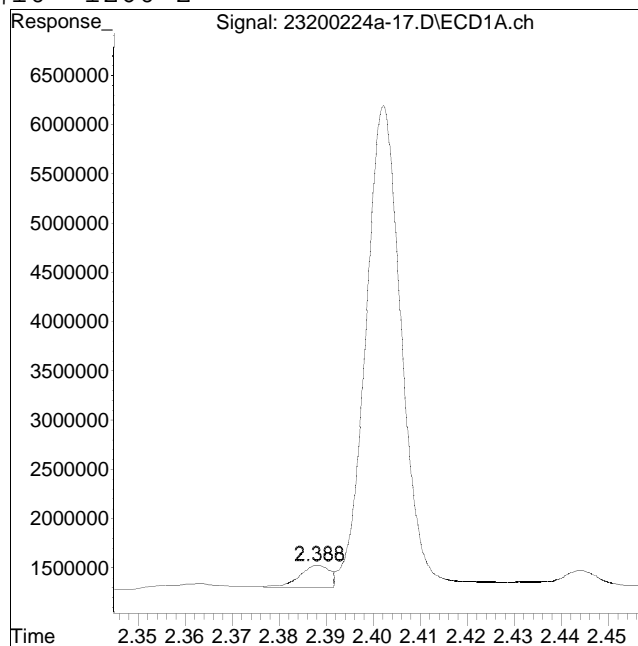
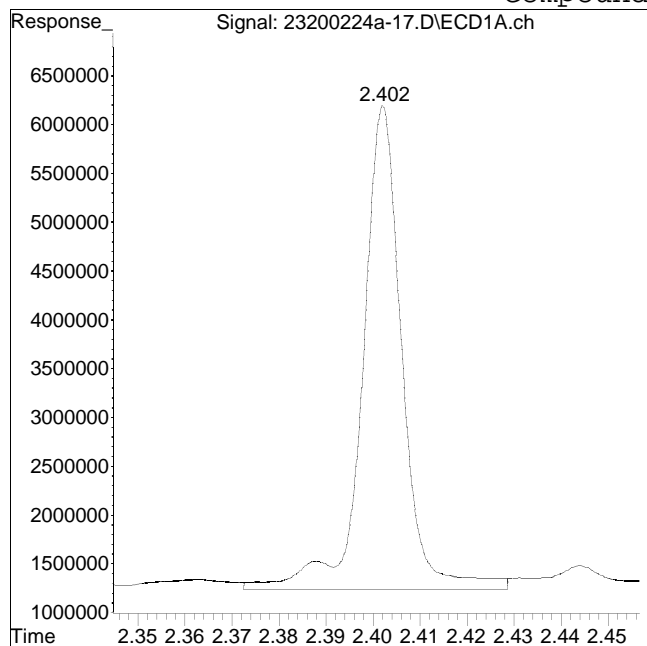
Manual Peak Response = 987598 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-17.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:15 pm Instrument : Pest 23
Sample : 12007485-19,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #10: 1260-2



Original Peak Response = 29223866

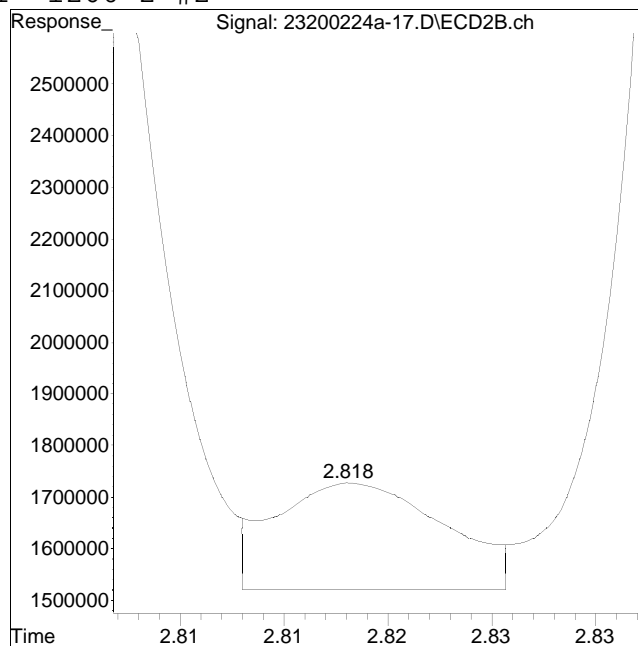
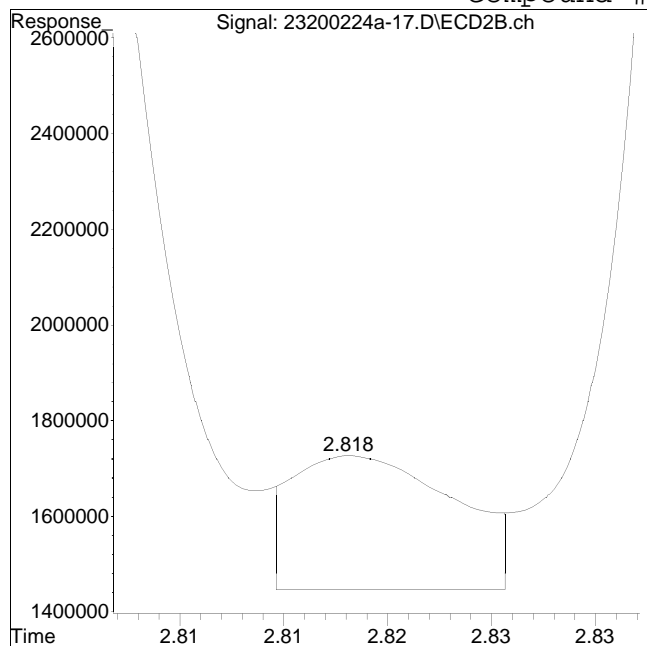
Manual Peak Response = 982679 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-17.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:15 pm Instrument : Pest 23
Sample : 12007485-19,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #61: 1260-2 #2



Original Peak Response = 1507716

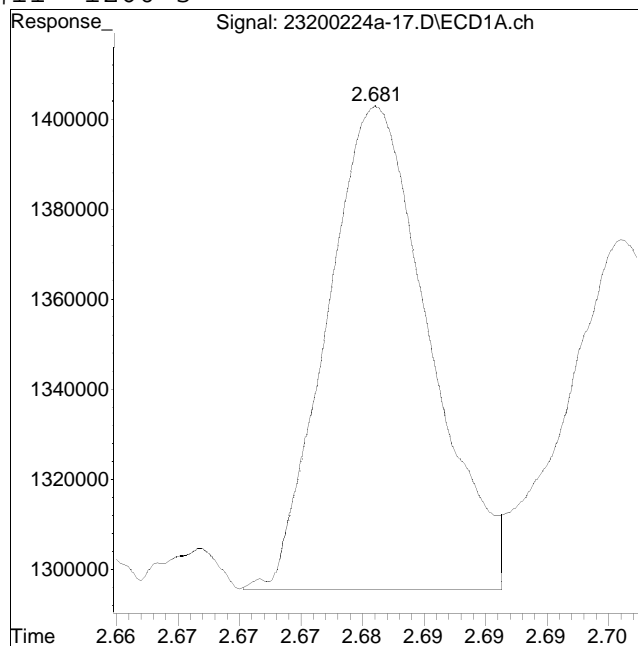
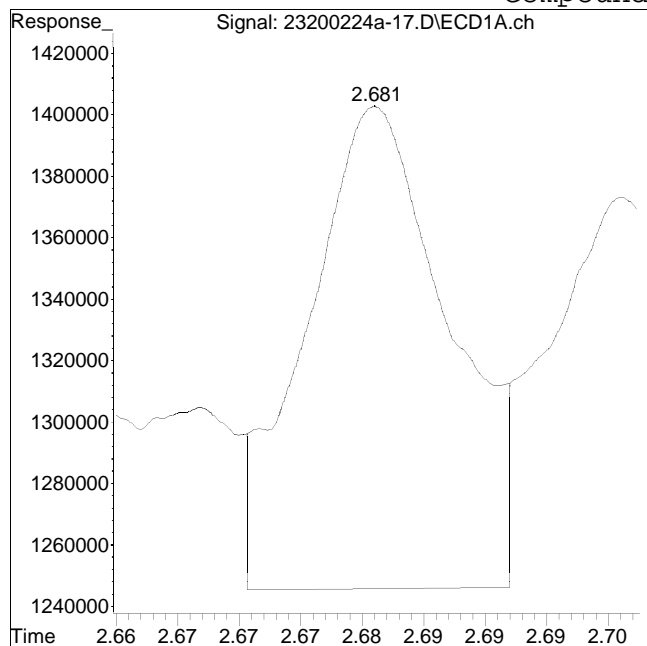
Manual Peak Response = 1171966 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-17.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:15 pm Instrument : Pest 23
Sample : 12007485-19,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #11: 1260-3



Original Peak Response = 1251279

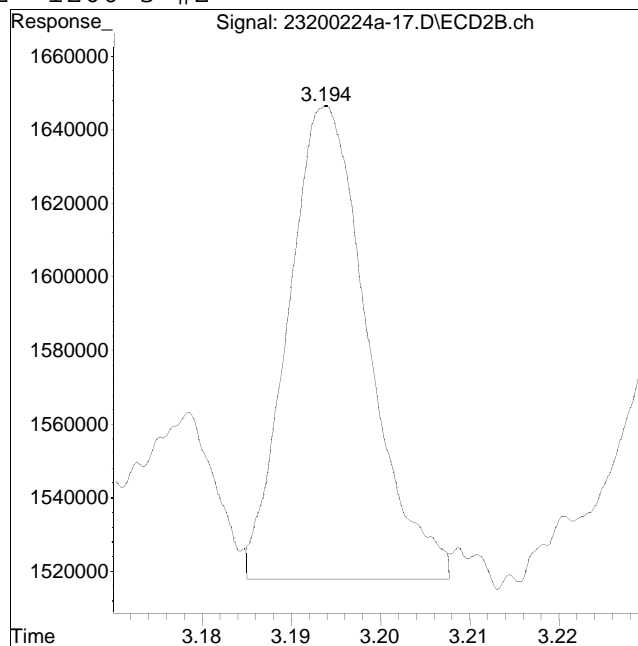
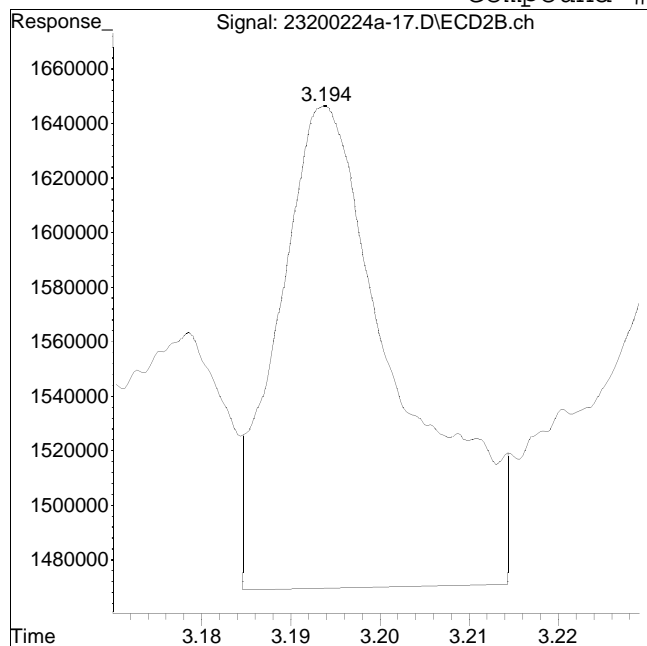
Manual Peak Response = 623477 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-17.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:15 pm Instrument : Pest 23
Sample : 12007485-19,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #62: 1260-3 #2



Original Peak Response = 1666163

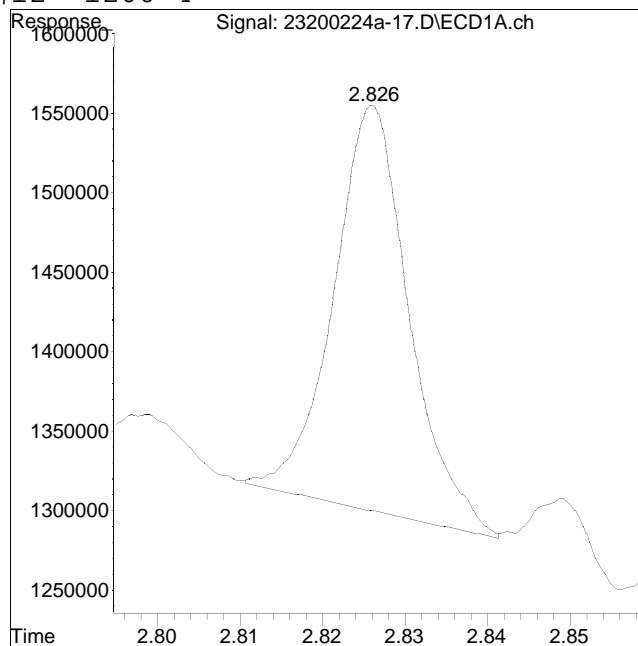
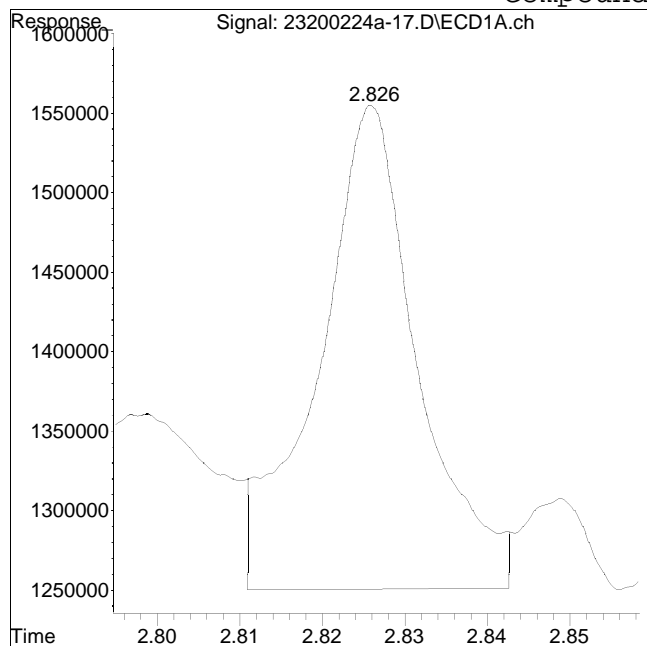
Manual Peak Response = 798095 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-17.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:15 pm Instrument : Pest 23
Sample : 12007485-19,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #12: 1260-4



Original Peak Response = 2554369

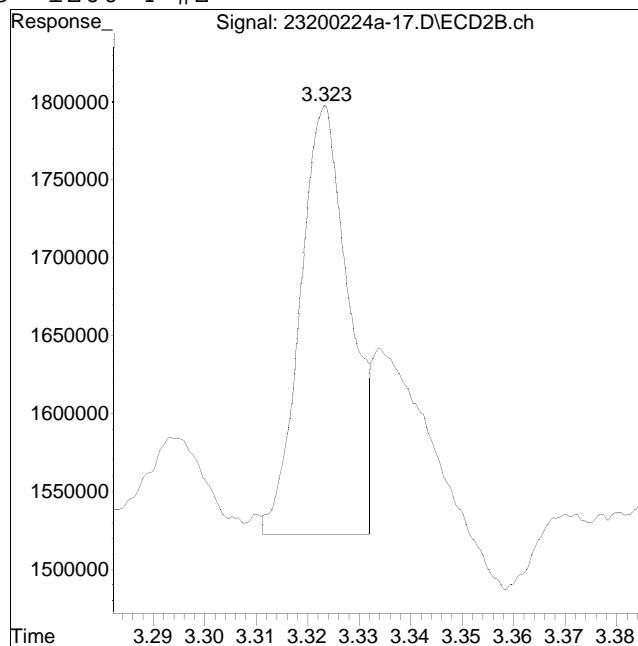
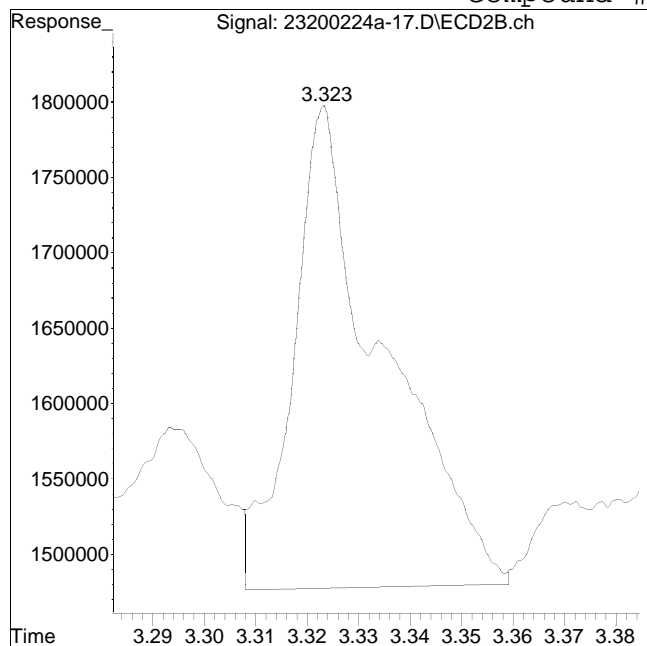
Manual Peak Response = 1629726 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-17.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:15 pm Instrument : Pest 23
Sample : 12007485-19,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #63: 1260-4 #2



Original Peak Response = 3937515

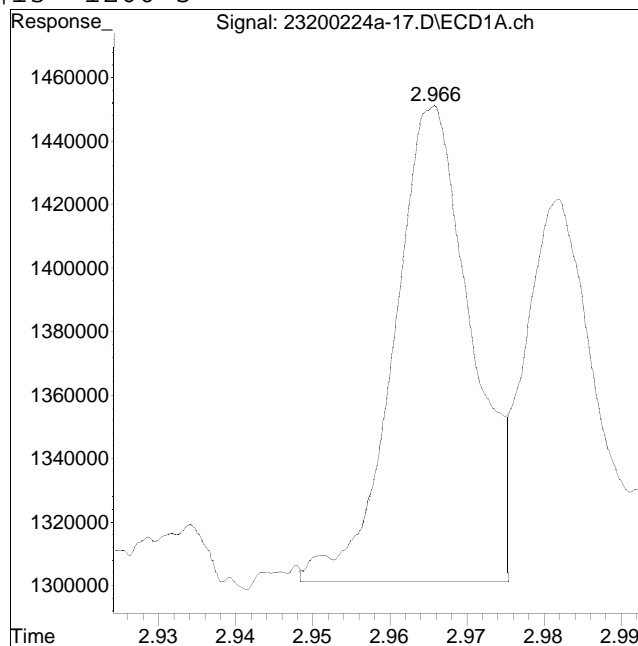
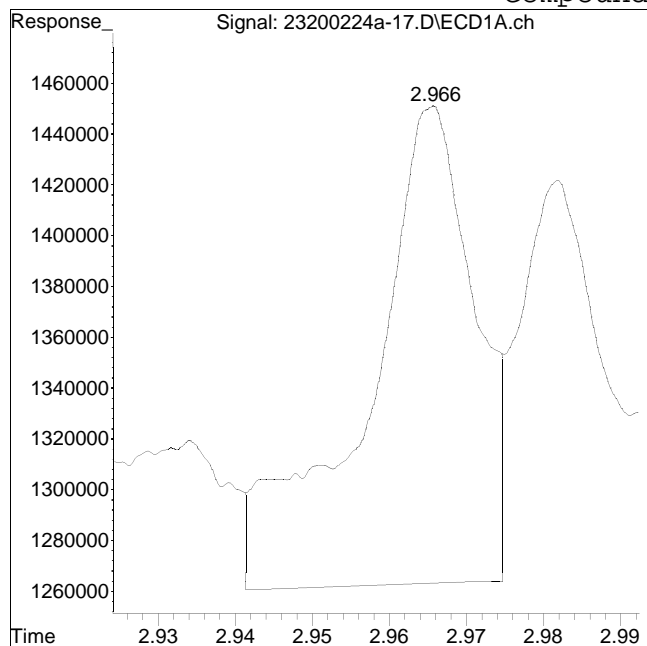
Manual Peak Response = 1824876 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-17.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:15 pm Instrument : Pest 23
Sample : 12007485-19,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #13: 1260-5



Original Peak Response = 1806245

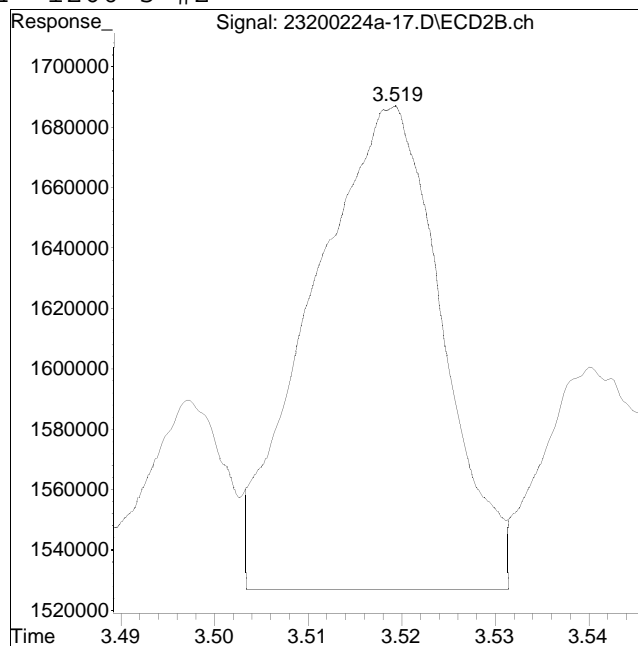
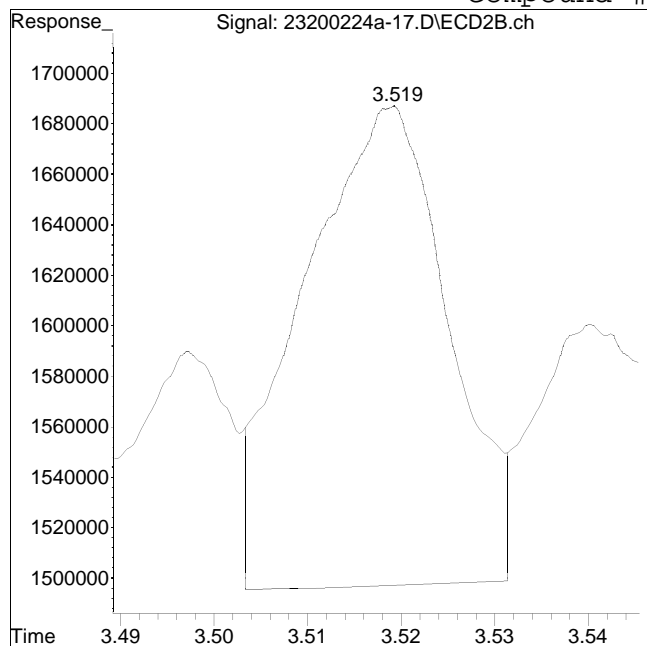
Manual Peak Response = 1060024 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-17.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:15 pm Instrument : Pest 23
Sample : 12007485-19,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #64: 1260-5 #2



Original Peak Response = 2049839

Manual Peak Response = 1549129 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:22 pm
 Operator : pest23:cw
 Sample : l2007485-20,42e,,rrco
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:22:49 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	0.922	1.018	29894058	36794293	250.000M4	250.000M4
	Standard Area 1 : #1 = 19643802				Recovery = 152.18%		
	Standard Area 1 : #2 = 23540908				Recovery = 156.30%		
14) i	2154_1br2nb	0.922	1.018	29894058	36794293	250.000M4	250.000M4
23) i	4268_1br2nb	0.922	1.018	29894058	36794293	250.000M4	250.000M4
34) i	1248_1br2nb	0.922	1.018	29894058	36794293	250.000M4	250.000M4
40) i	3262_1br2nb	0.922	1.018	29894058	36794293	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.163	1.359	47229493	59577532	258.456M4	292.966M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 51.69%		58.59%	
3) s	Decachlorobi	3.528	4.157	42877339	50018138	343.613M4	272.533
	Spiked Amount 500.000 Range 30 - 150			Recovery = 68.72%		54.51%	
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	2.271	2.718	304536	408852	33.669M4	36.220M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:22 pm
 Operator : pest23:cw
 Sample : 12007485-20,42e,,rrco
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:22:49 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12 1260-2	2.389	0.000	492703	0	35.678M1	N.D. d
11) 12 1260-3	2.681	0.000	429854	0	50.265M4	N.D. d
12) 12 1260-4	0.000	3.323	0	1077112	N.D. d	46.227M1
13) 12 1260-5	0.000	3.521	0	825622	N.D. d	50.015M4
Sum 1260-1			1227092	2311585	119.613	132.463
Average 1260-1					39.871	44.154
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:22 pm
 Operator : pest23:cw
 Sample : 12007485-20,42e,,rrco
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:22:49 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:22 pm
 Operator : pest23:cw
 Sample : 12007485-20,42e,,rrco
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:22:49 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

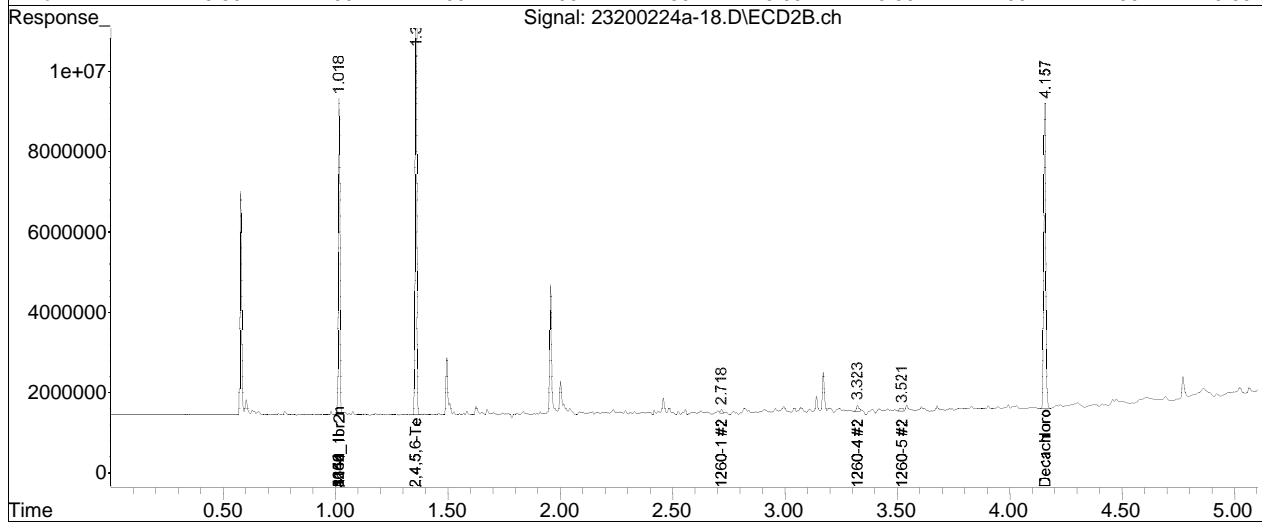
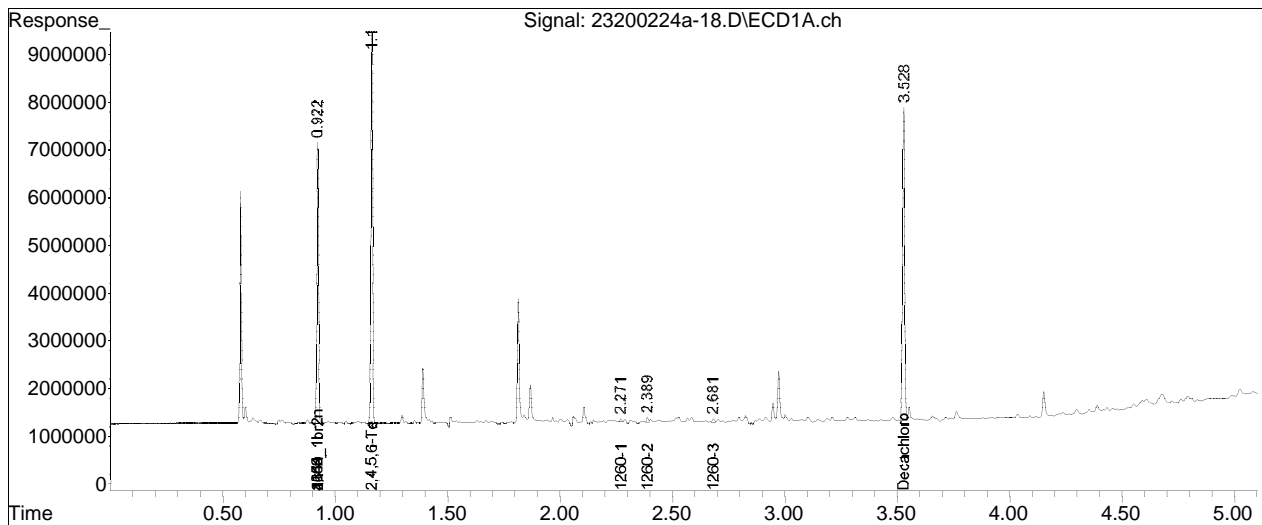
Sub List : Default - All compounds listed24a\23200224a-02.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 01:22 pm
Operator : pest23:cw
Sample : 12007485-20,42e,,rrco
Misc : wg1343753,wg1343014,ical16474
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:22:49 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

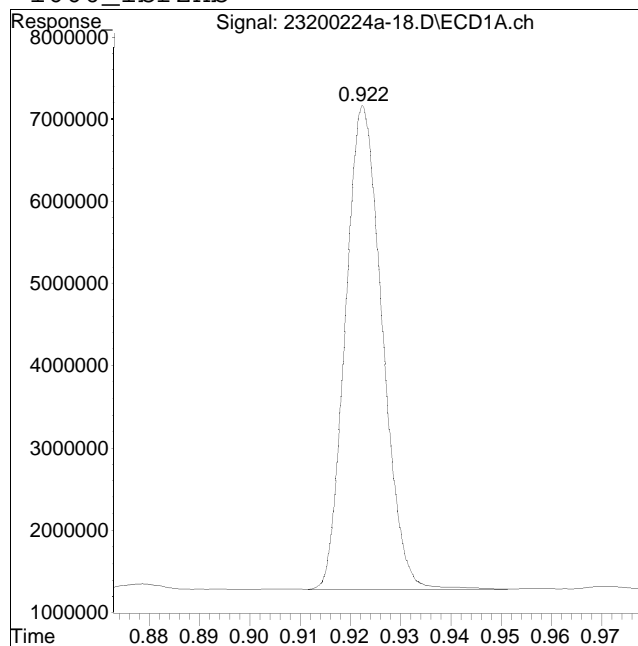
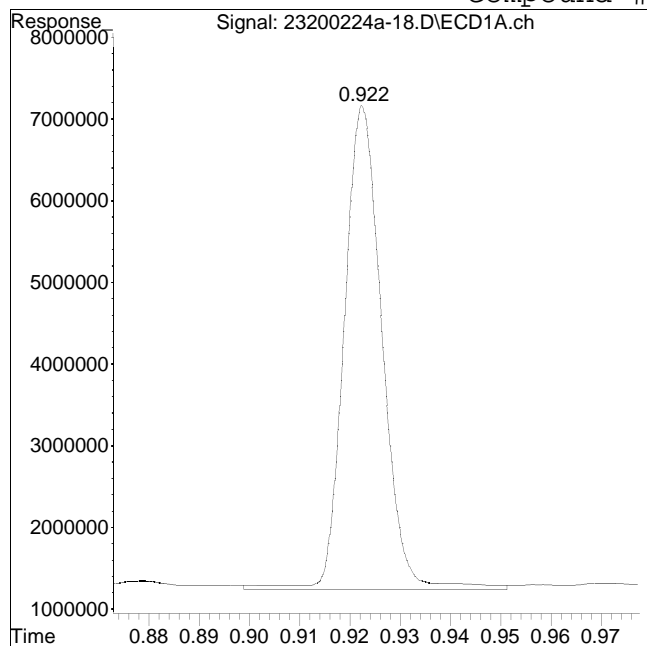
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-18.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:22 pm Instrument : Pest 23
Sample : 12007485-20,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #1: 1660_1br2nb



Original Peak Response = 31243112

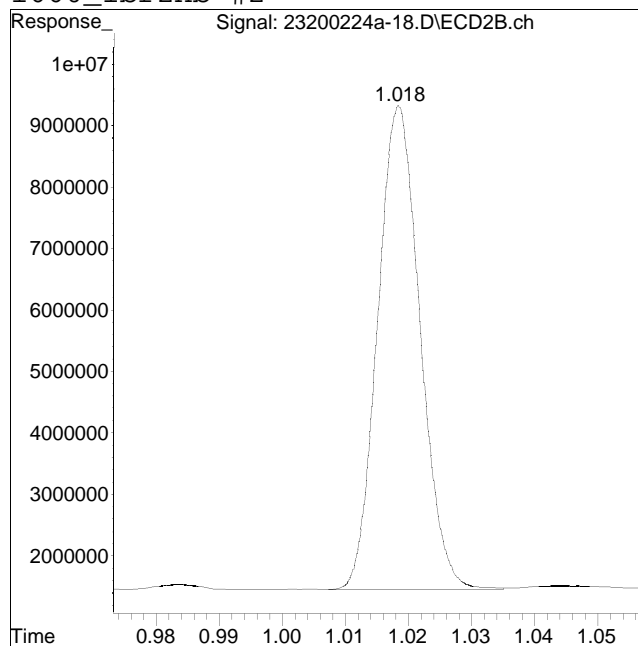
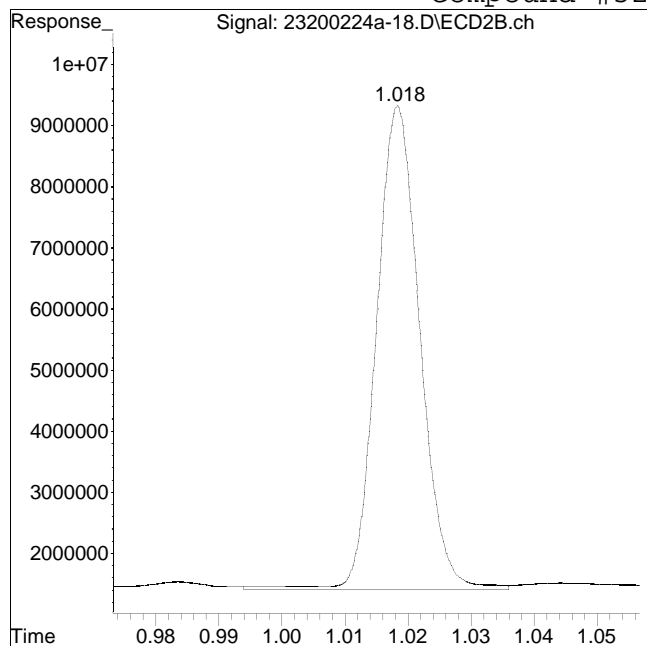
Manual Peak Response = 29894058 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-18.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:22 pm Instrument : Pest 23
Sample : 12007485-20,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 37997750

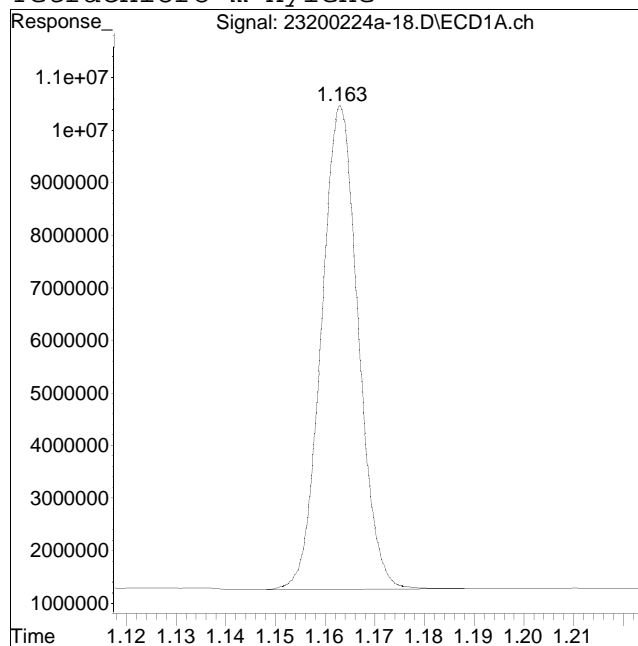
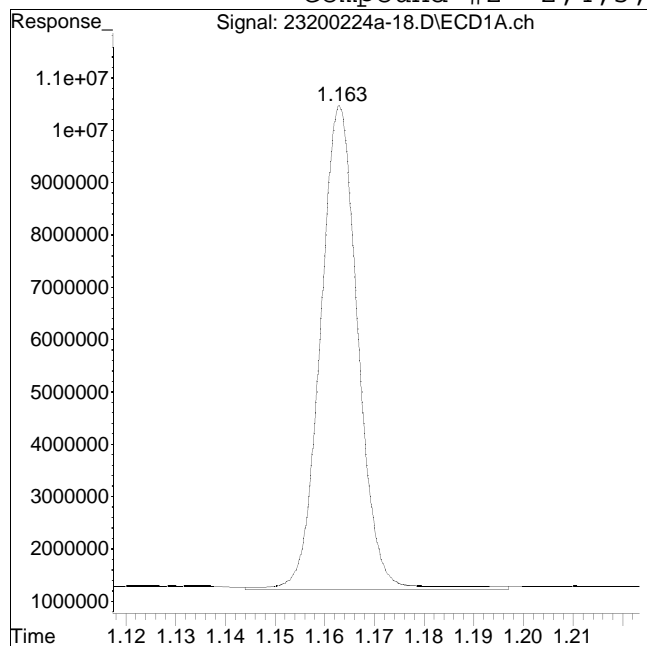
Manual Peak Response = 36794293 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-18.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:22 pm Instrument : Pest 23
Sample : 12007485-20,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 48839251

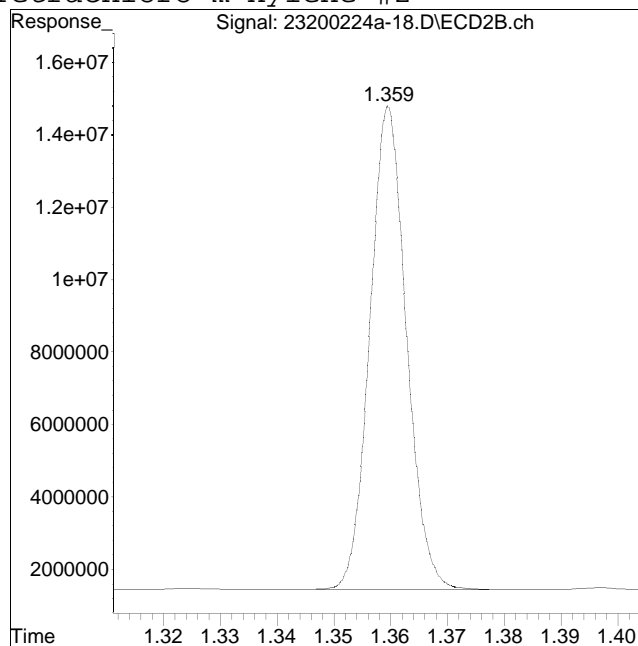
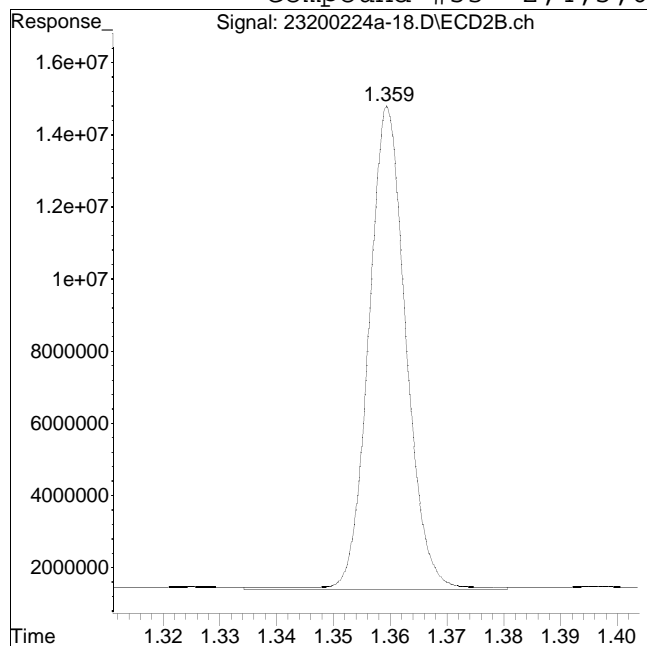
Manual Peak Response = 47229493 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-18.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:22 pm Instrument : Pest 23
Sample : 12007485-20,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 61275581

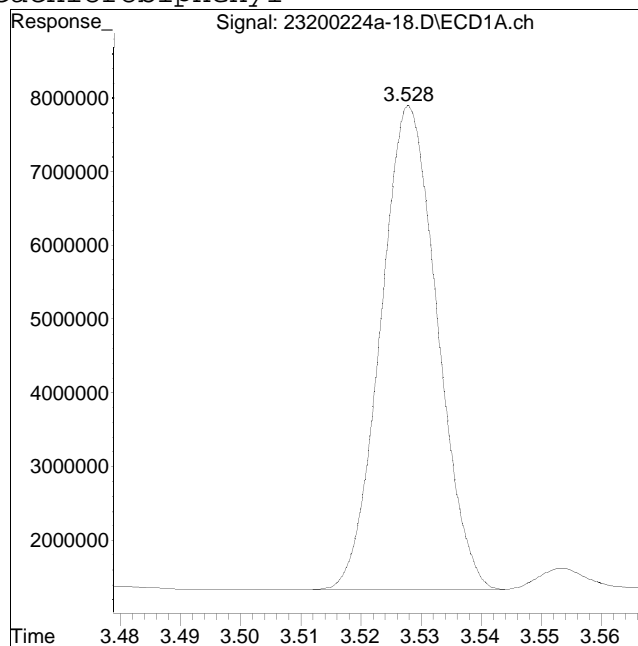
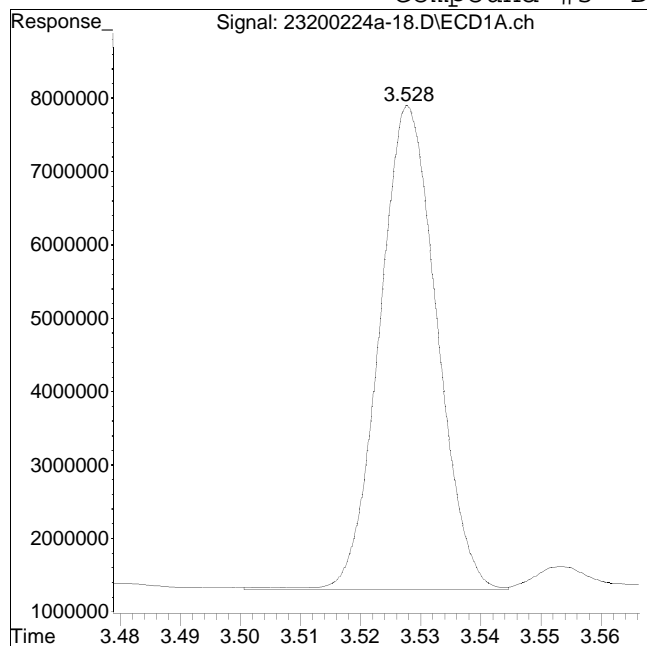
Manual Peak Response = 59577532 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-18.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:22 pm Instrument : Pest 23
Sample : 12007485-20,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 43742567

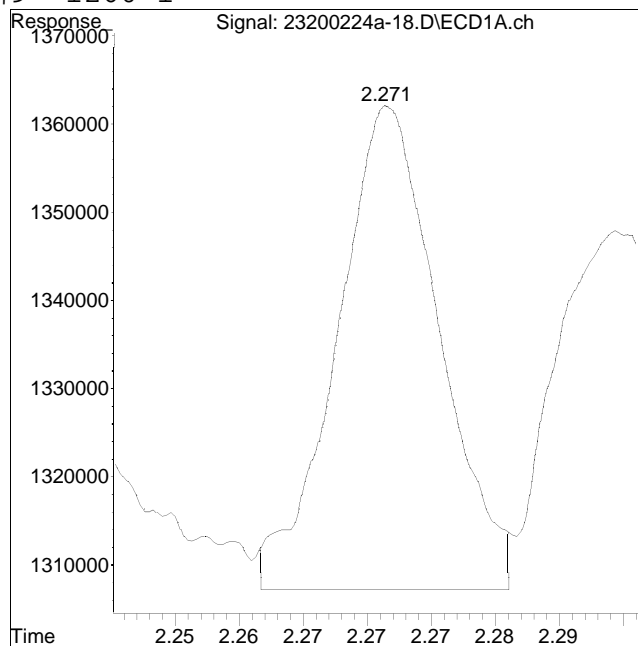
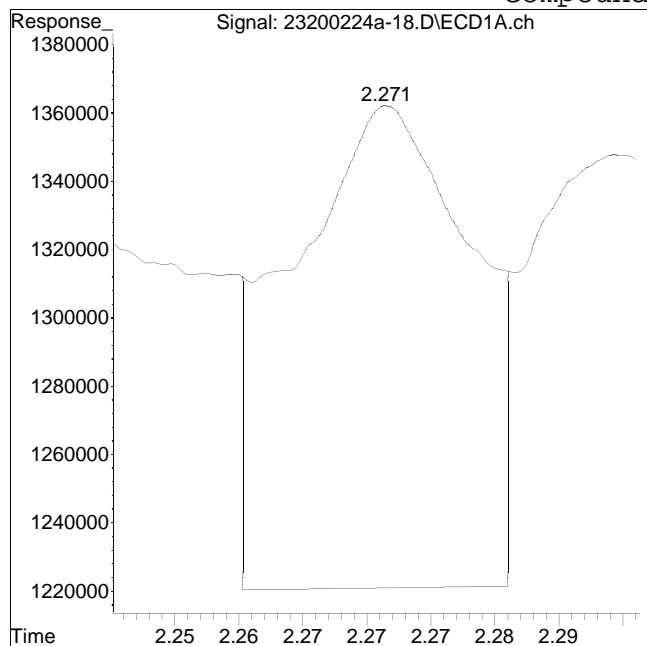
Manual Peak Response = 42877339 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-18.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:22 pm Instrument : Pest 23
Sample : 12007485-20,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #9: 1260-1



Original Peak Response = 1370444

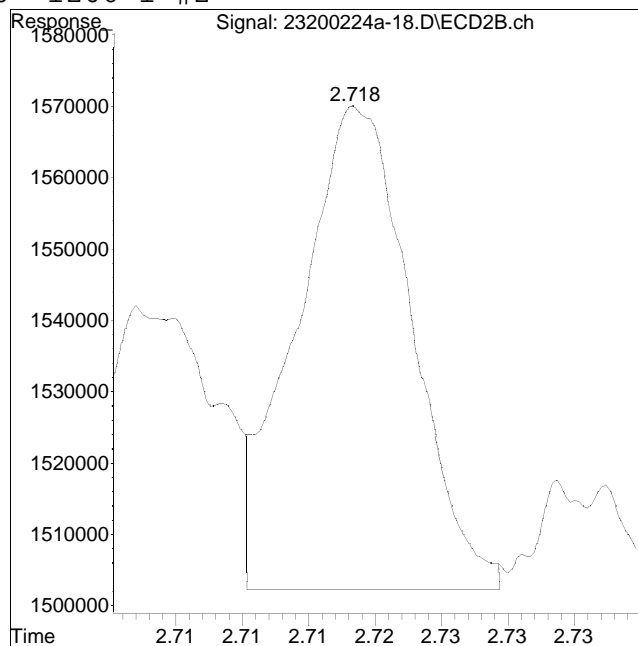
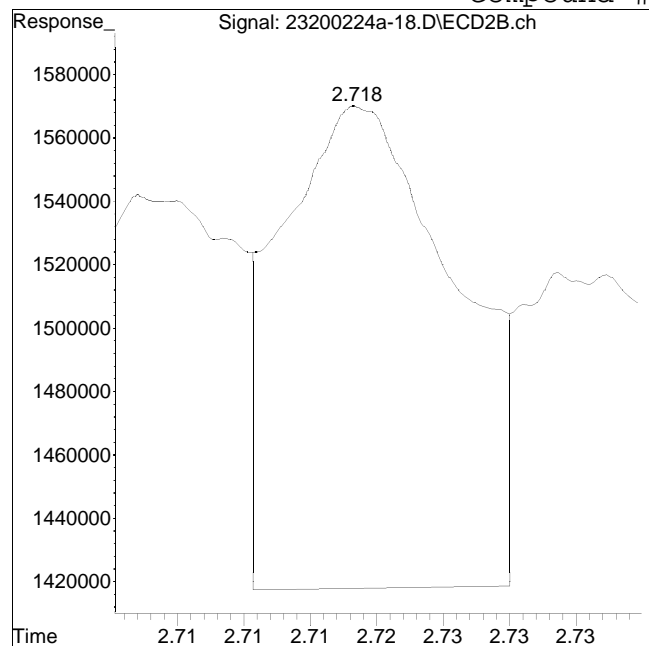
Manual Peak Response = 304536 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-18.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:22 pm Instrument : Pest 23
Sample : 12007485-20,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #60: 1260-1 #2



Original Peak Response = 1395712

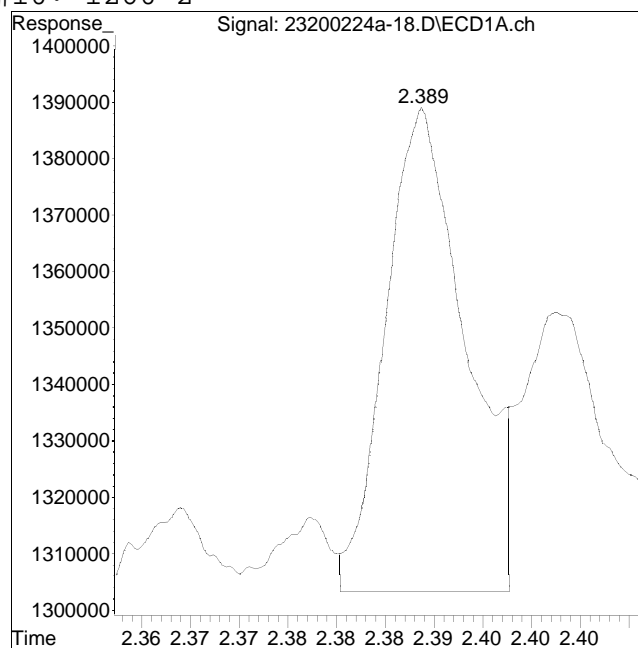
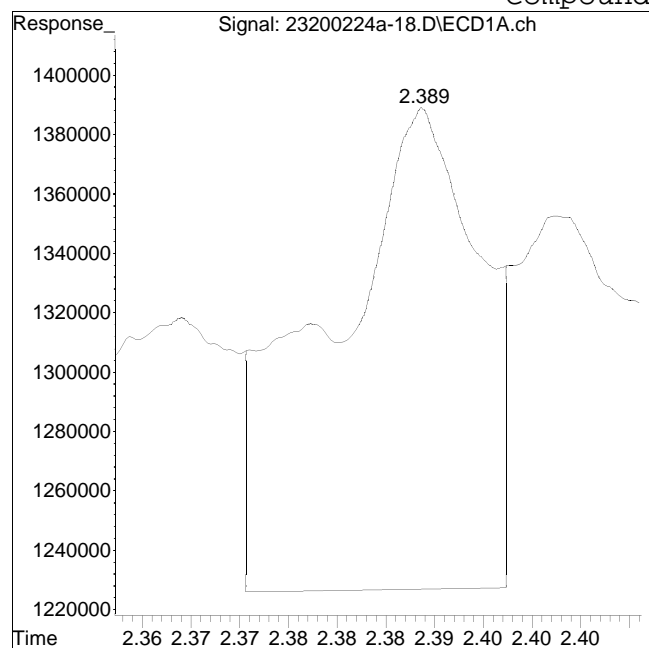
Manual Peak Response = 408852 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-18.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:22 pm Instrument : Pest 23
Sample : 12007485-20,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #10: 1260-2



Original Peak Response = 1750429

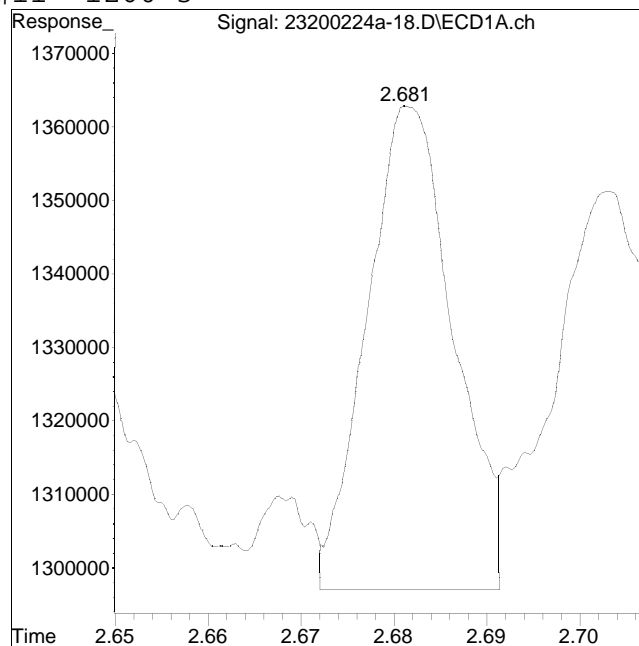
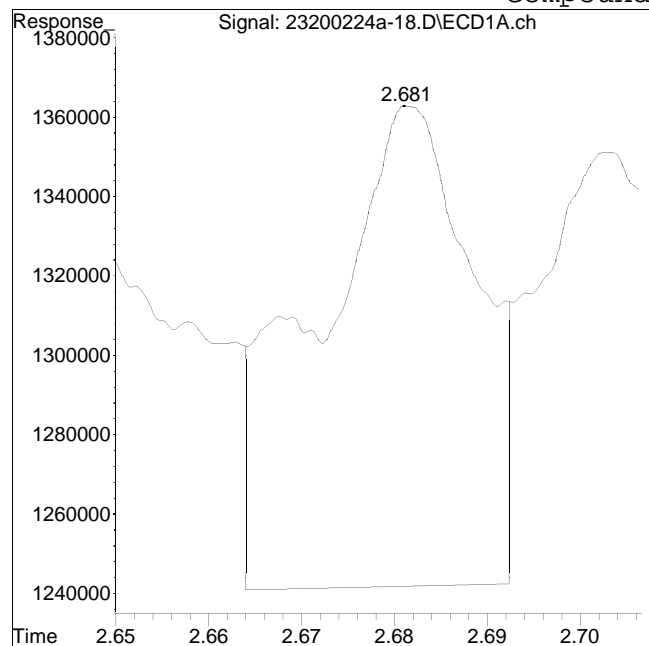
Manual Peak Response = 492703 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-18.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:22 pm Instrument : Pest 23
Sample : 12007485-20,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #11: 1260-3



Original Peak Response = 1424411

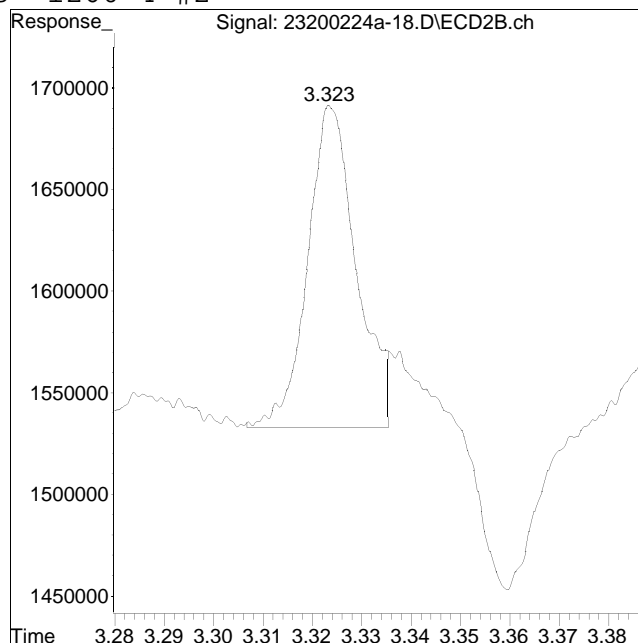
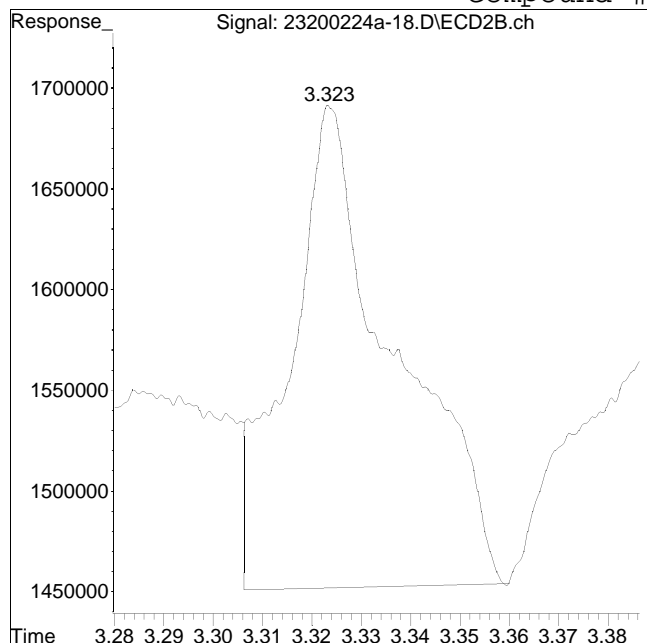
Manual Peak Response = 429854 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-18.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:22 pm Instrument : Pest 23
Sample : 12007485-20,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #63: 1260-4 #2



Original Peak Response = 3588877

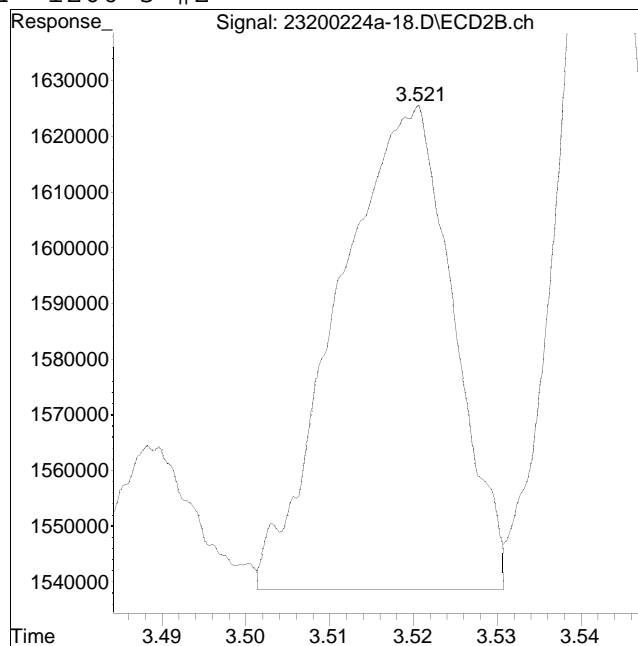
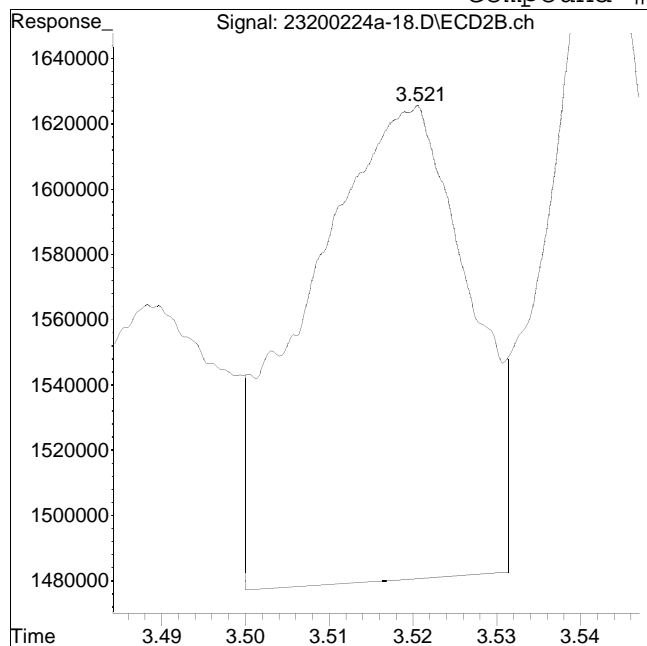
Manual Peak Response = 1077112 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-18.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:22 pm Instrument : Pest 23
Sample : 12007485-20,42e,,rrco Quant Date : 2/25/2020 4:17 pm

Compound #64: 1260-5 #2



Original Peak Response = 1940990

Manual Peak Response = 825622 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:28 pm
 Operator : pest23:cw
 Sample : l2007485-28d,42e,5,rr
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:24:28 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.019	26382505	32474728	250.000	250.000
Standard Area 1 : #1 = 19643802					Recovery =	134.30%
Standard Area 1 : #2 = 23540908					Recovery =	137.95%
14) i 2154_1br2nb	0.923	1.019	26382505	32474728	250.000	250.000
23) i 4268_1br2nb	0.923	1.019	26382505	32474728	250.000	250.000
34) i 1248_1br2nb	0.923	1.019	26382505	32474728	250.000	250.000
40) i 3262_1br2nb	0.923	1.019	26382505	32474728	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.360	7551203	9100866	46.823	50.705
Spiked Amount 500.000	Range 30 - 150		Recovery =		9.36%#	10.14%#
3) s Decachlorobi	3.528	4.156	7647912	5145556	59.971M4	31.766M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		11.99%#	6.35%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.719	14215693	16922693	1780.861	1698.595
10) l2 1260-2	2.389	2.819	27898704	25467634	2289.148	2165.838
11) l2 1260-3	2.682	3.194	16857084	23174948	2233.565	2318.460M4
12) l2 1260-4	2.826	3.323	40901460	49391710	2533.667	2401.747M4
13) l2 1260-5	2.965	3.519	23229067	35446511	2699.341	2432.921M4
Sum 1260-1			123.1E6	150.4E6	11536.583	11017.560

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:28 pm
 Operator : pest23:cw
 Sample : l2007485-28d,42e,5,rr
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:24:28 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					2307.317	2203.512
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D.
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:28 pm
 Operator : pest23:cw
 Sample : l2007485-28d,42e,5,rr
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:24:28 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:28 pm
 Operator : pest23:cw
 Sample : l2007485-28d,42e,5,rr
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:24:28 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

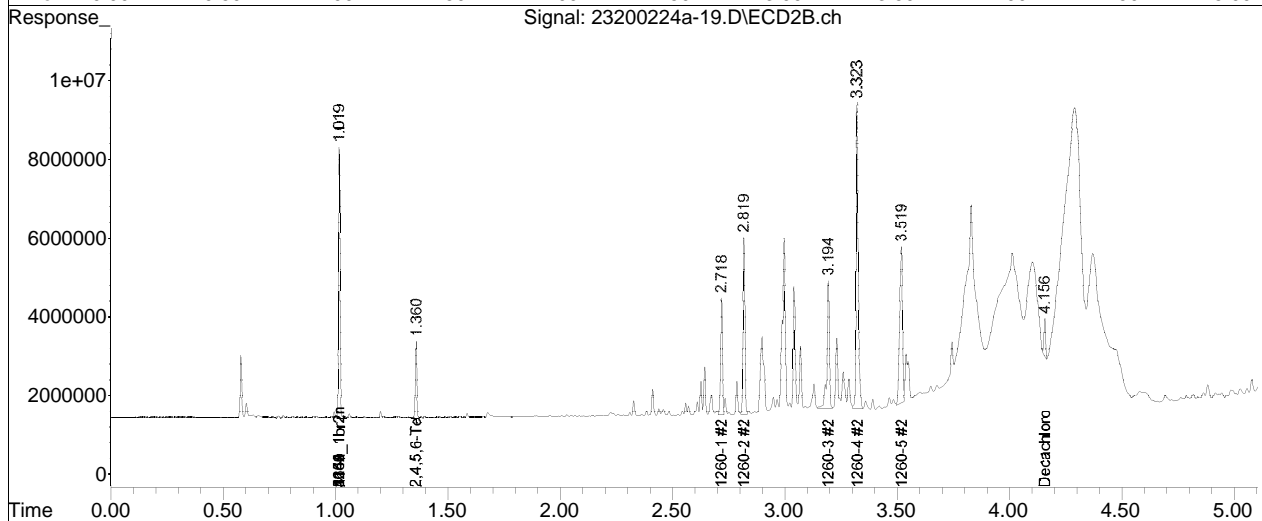
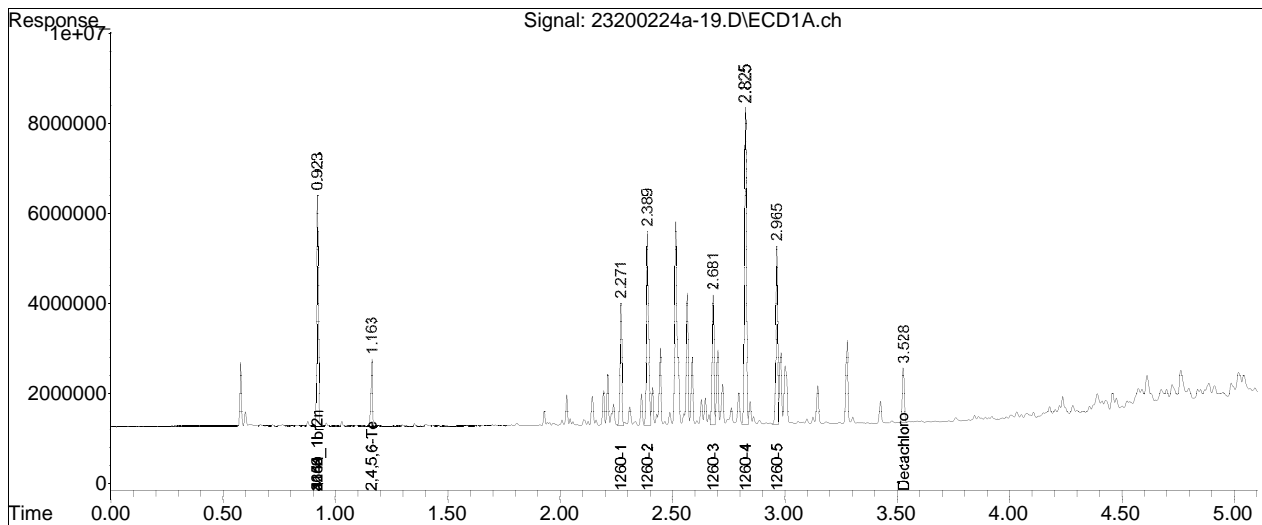
Sub List : Default - All compounds listed24a\23200224a-02.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 01:28 pm
Operator : pest23:cw
Sample : l2007485-28d,42e,5,rr
Misc : wg1343753,wg1343014,ical16474
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:24:28 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

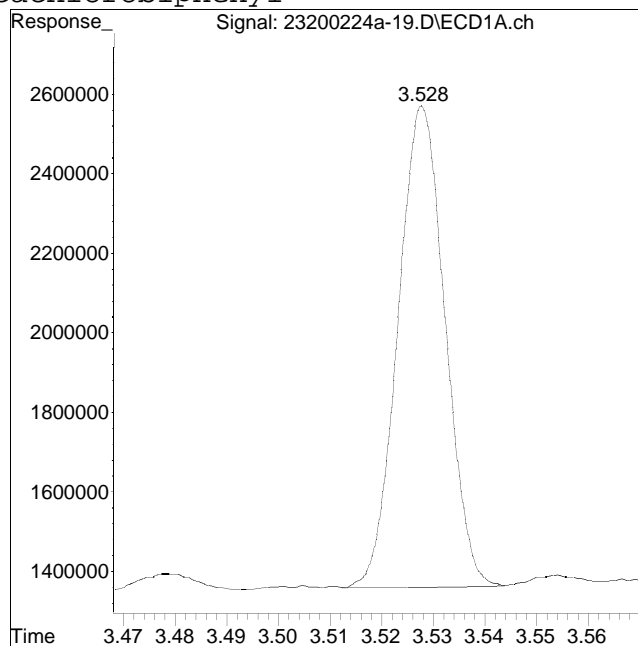
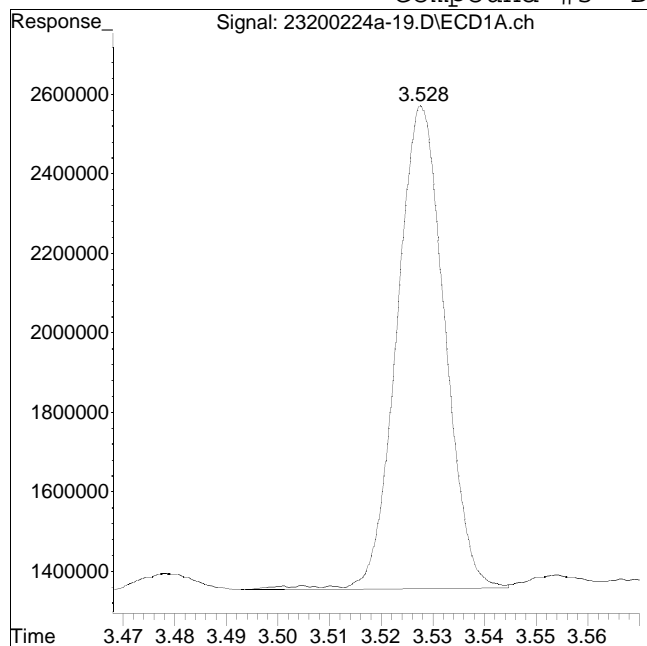
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-19.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:28 pm Instrument : Pest 23
Sample : 12007485-28d,42e,5,rr Quant Date : 2/25/2020 4:17 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 7800756

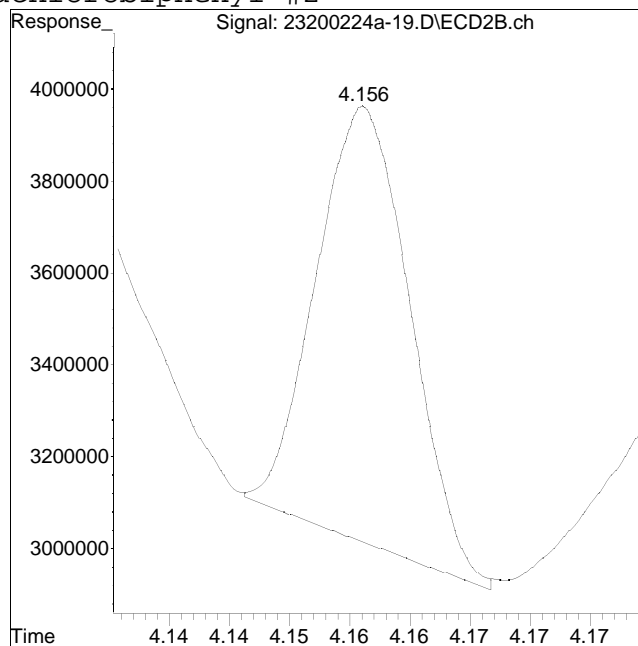
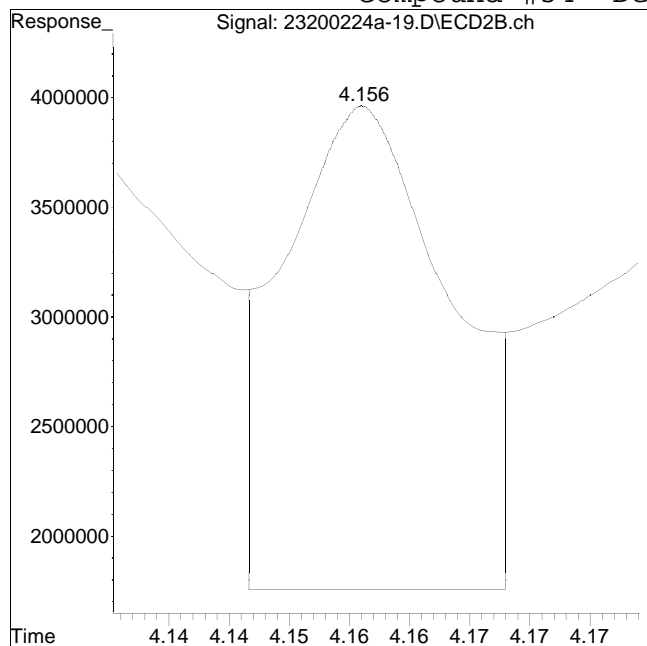
Manual Peak Response = 7647912 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-19.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:28 pm Instrument : Pest 23
Sample : 12007485-28d,42e,5,rr Quant Date : 2/25/2020 4:17 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 21303549

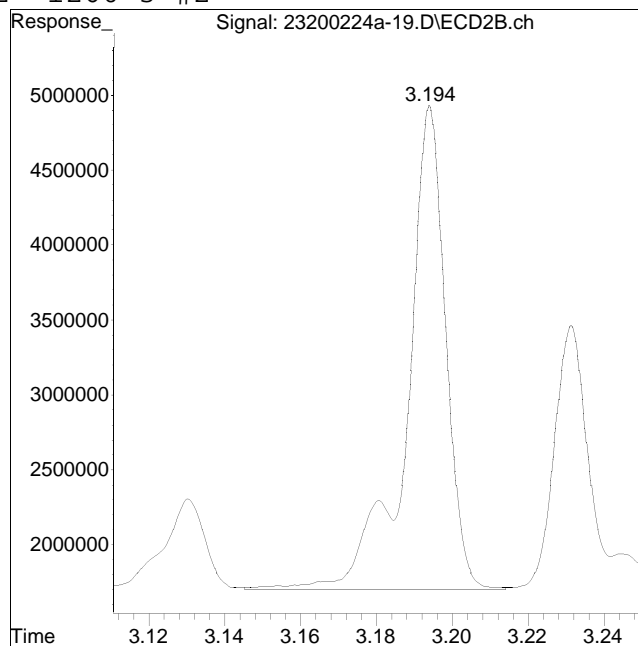
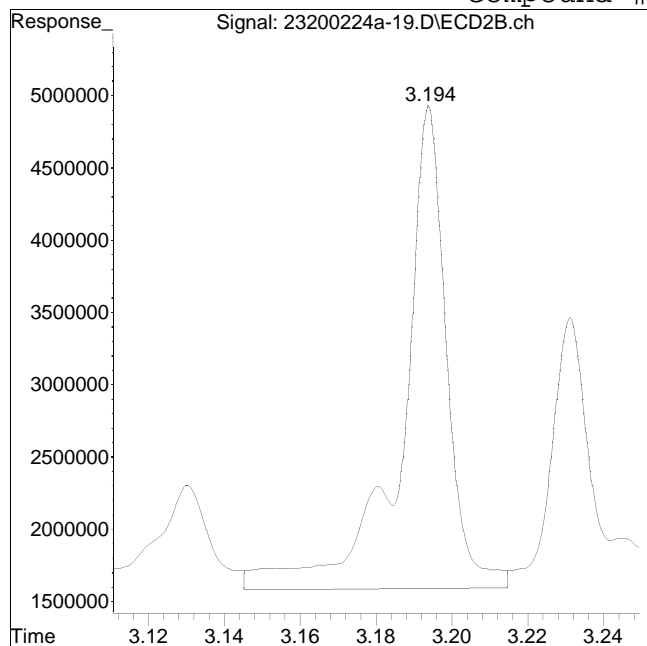
Manual Peak Response = 5145556 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-19.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:28 pm Instrument : Pest 23
Sample : 12007485-28d,42e,5,rr Quant Date : 2/25/2020 4:17 pm

Compound #62: 1260-3 #2



Original Peak Response = 27750149

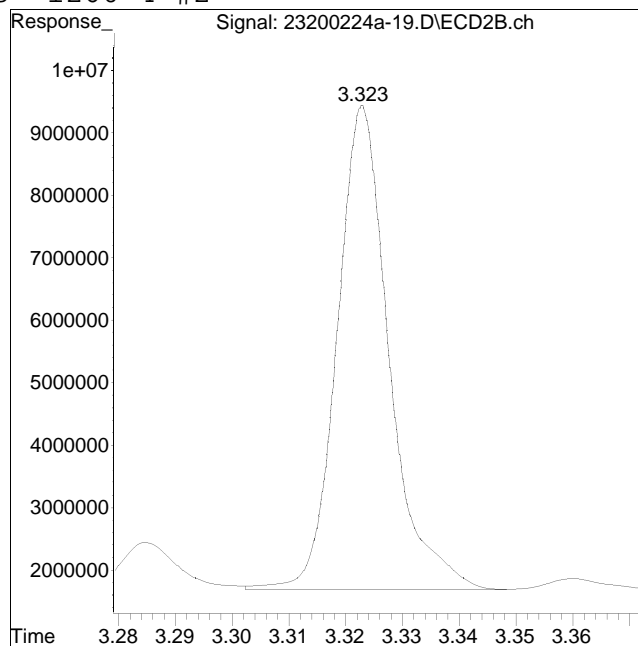
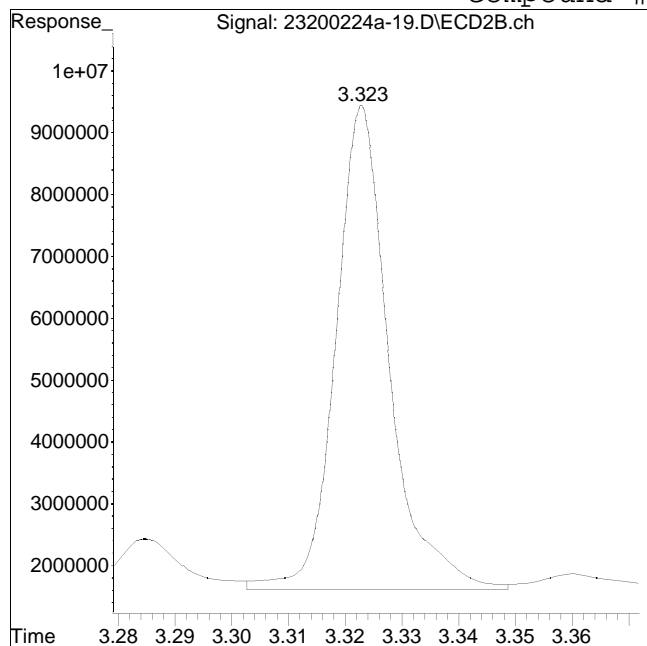
Manual Peak Response = 23174948 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-19.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:28 pm Instrument : Pest 23
Sample : 12007485-28d,42e,5,rr Quant Date : 2/25/2020 4:17 pm

Compound #63: 1260-4 #2



Original Peak Response = 51427772

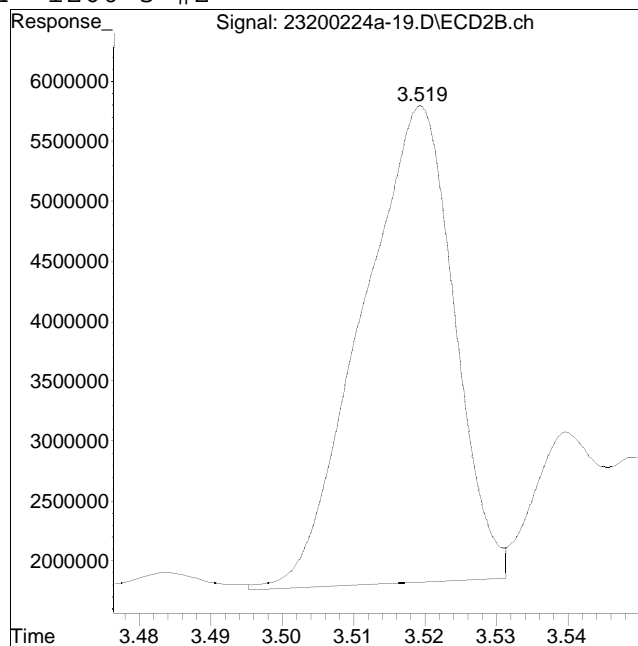
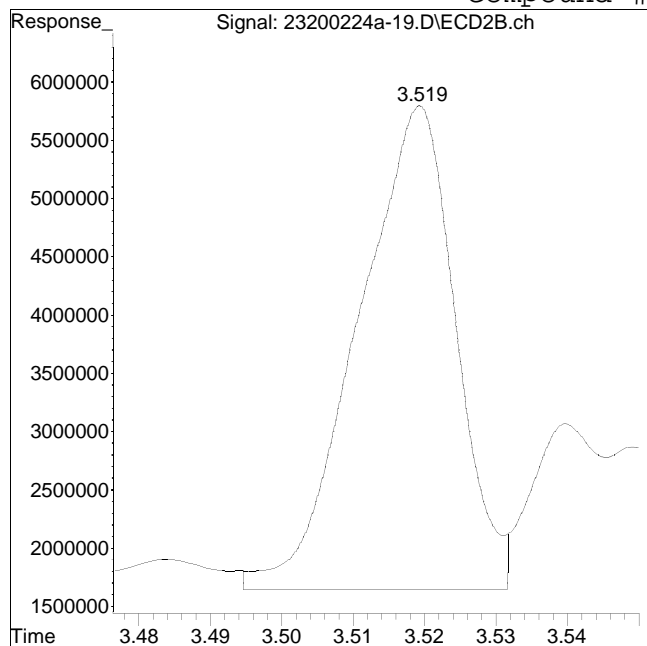
Manual Peak Response = 49391710 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-19.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:28 pm Instrument : Pest 23
Sample : 12007485-28d,42e,5,rr Quant Date : 2/25/2020 4:17 pm

Compound #64: 1260-5 #2



Original Peak Response = 39082071

Manual Peak Response = 35446511 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:35 pm
 Operator : pest23:cw
 Sample : l2007485-06d,42e,20,rr
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:26:15 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.019	23979417	28763766	250.000	250.000
Standard Area 1 : #1 = 19643802					Recovery =	122.07%
Standard Area 1 : #2 = 23540908					Recovery =	122.19%
14) i 2154_1br2nb	0.923	1.019	23979417	28763766	250.000	250.000
23) i 4268_1br2nb	0.923	1.019	23979417	28763766	250.000	250.000
34) i 1248_1br2nb	0.923	1.019	23979417	28763766	250.000	250.000
40) i 3262_1br2nb	0.923	1.019	23979417	28763766	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.718	13150887	14492928	1812.568	1642.390M4
10) l2 1260-2	2.389	2.818	22007363	19380043	1986.714	1860.766M4
11) l2 1260-3	2.681	3.193	12714956	17529853	1853.568M4	1979.971M4
12) l2 1260-4	2.825	3.322	30130105	36523624	2053.472M4	2005.150M4
13) l2 1260-5	2.964	3.519	17624481	26487098	2253.304M4	2052.526

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:35 pm
 Operator : pest23:cw
 Sample : l2007485-06d,42e,20,rr
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:26:15 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			95627792	114.4E6	9959.626	9540.803
Average	1260-1					1991.925	1908.161
15)	13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum	1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:35 pm
 Operator : pest23:cw
 Sample : l2007485-06d,42e,20,rr
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:26:15 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D.	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:35 pm
 Operator : pest23:cw
 Sample : l2007485-06d,42e,20,rr
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:26:15 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

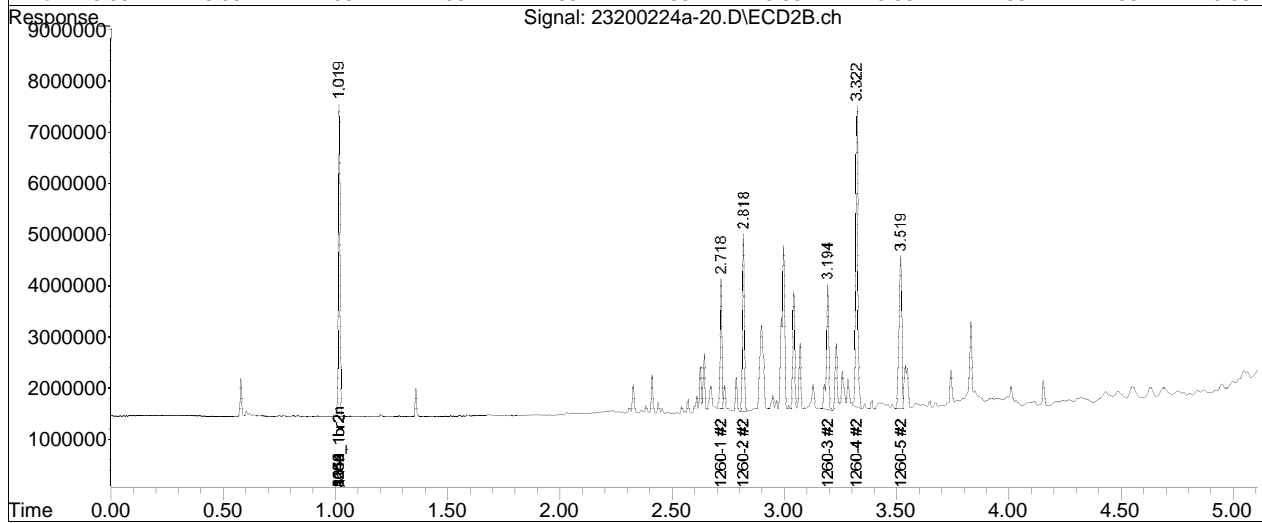
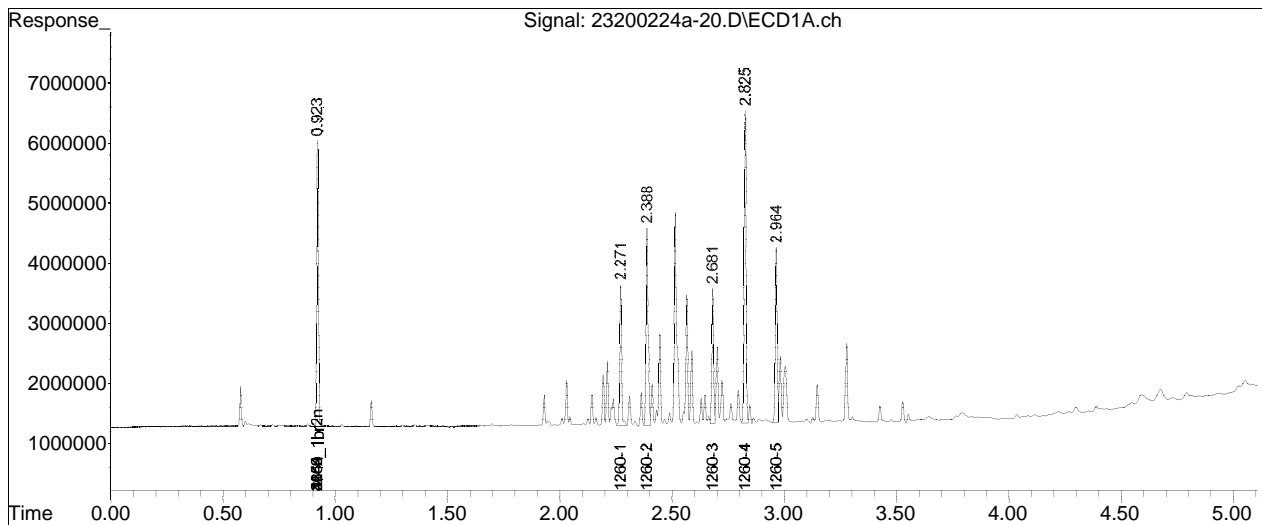
Sub List : Default - All compounds listed24a\23200224a-02.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 01:35 pm
Operator : pest23:cw
Sample : l2007485-06d,42e,20,rr
Misc : wg1343753,wg1343014,ical16474
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:26:15 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

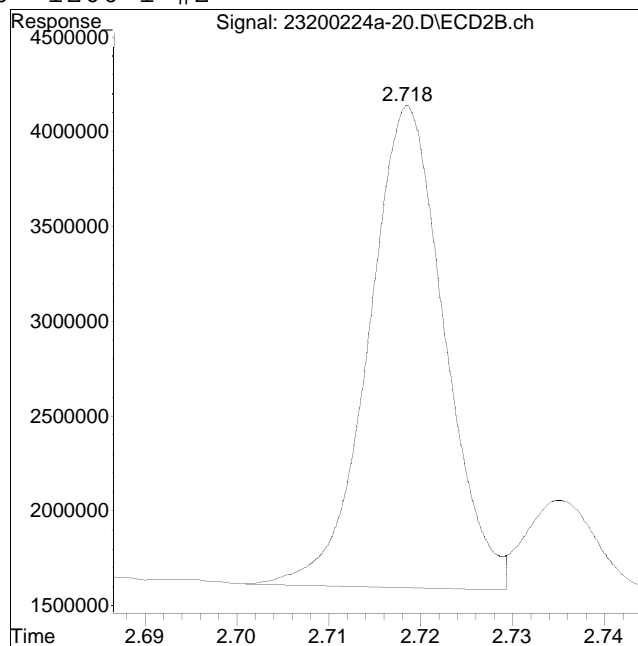
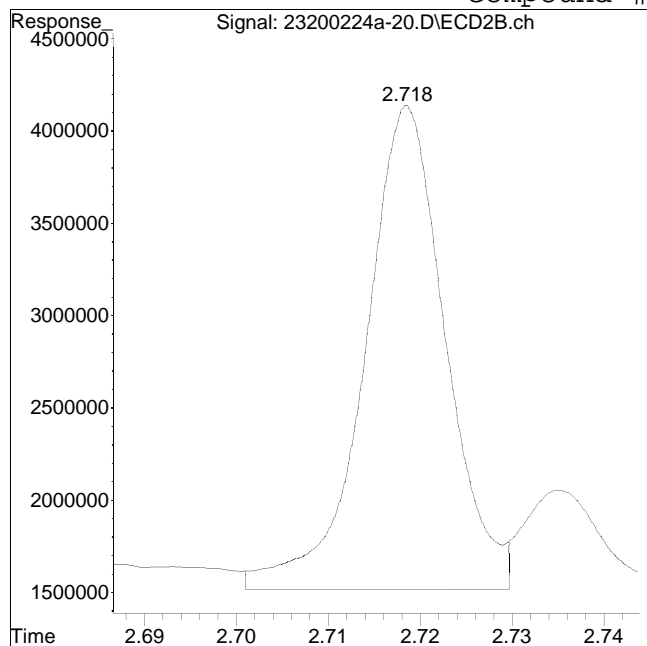
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-20.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:35 pm Instrument : Pest 23
Sample : 12007485-06d,42e,20,rr Quant Date : 2/25/2020 4:18 pm

Compound #60: 1260-1 #2



Original Peak Response = 15956233

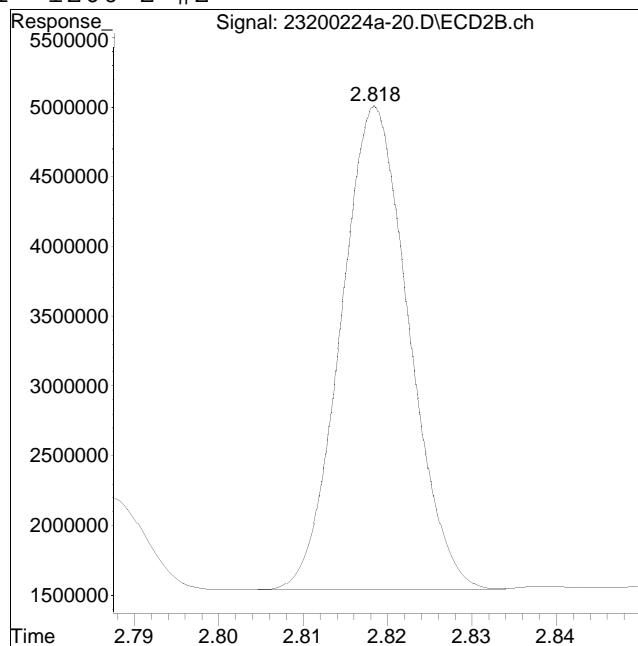
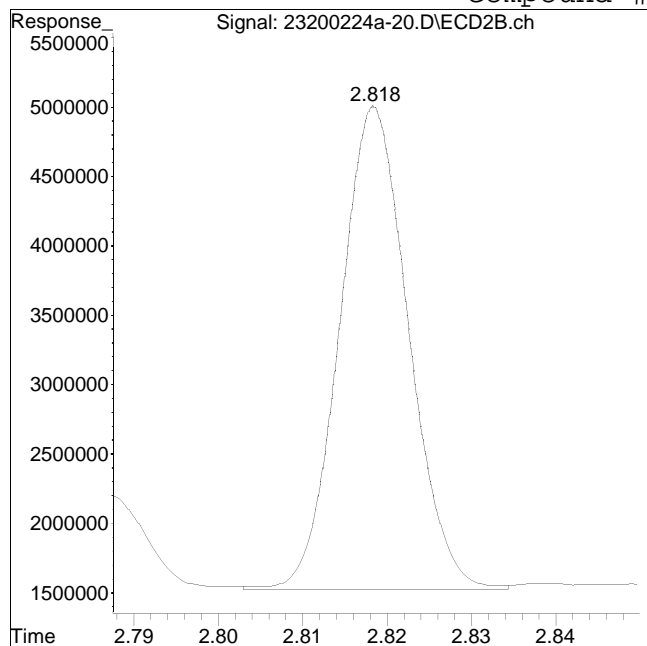
Manual Peak Response = 14492928 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-20.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:35 pm Instrument : Pest 23
Sample : 12007485-06d,42e,20,rr Quant Date : 2/25/2020 4:18 pm

Compound #61: 1260-2 #2



Original Peak Response = 19729019

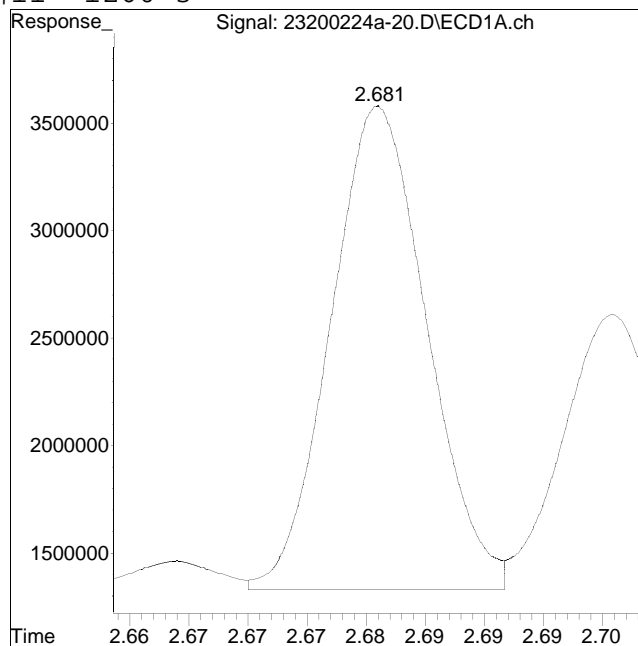
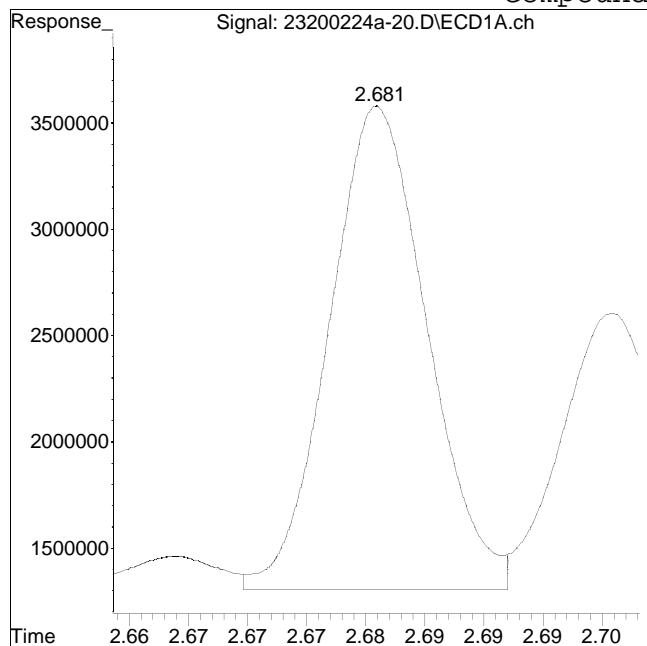
Manual Peak Response = 19380043 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-20.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:35 pm Instrument : Pest 23
Sample : 12007485-06d,42e,20,rr Quant Date : 2/25/2020 4:18 pm

Compound #11: 1260-3



Original Peak Response = 13046503

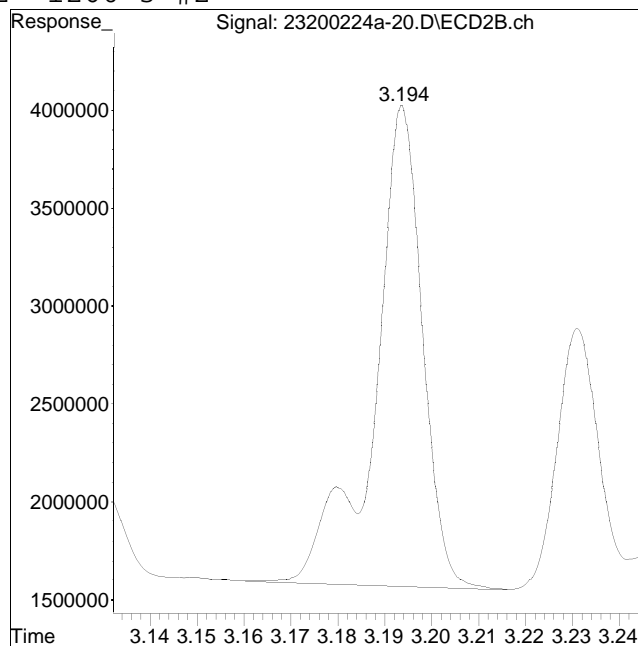
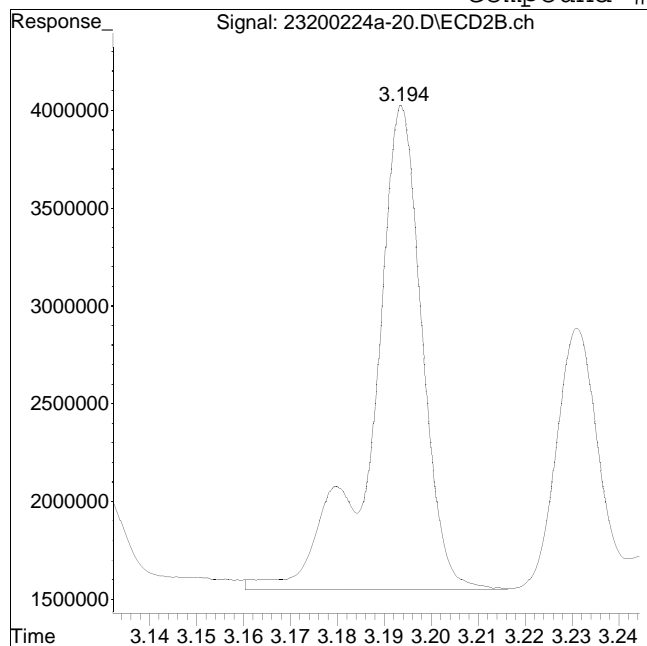
Manual Peak Response = 12714956 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-20.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:35 pm Instrument : Pest 23
Sample : 12007485-06d,42e,20,rr Quant Date : 2/25/2020 4:18 pm

Compound #62: 1260-3 #2



Original Peak Response = 18268982

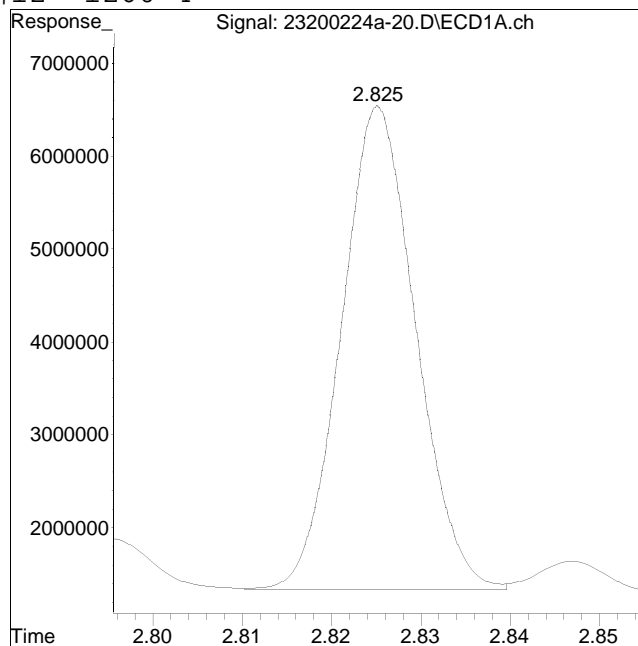
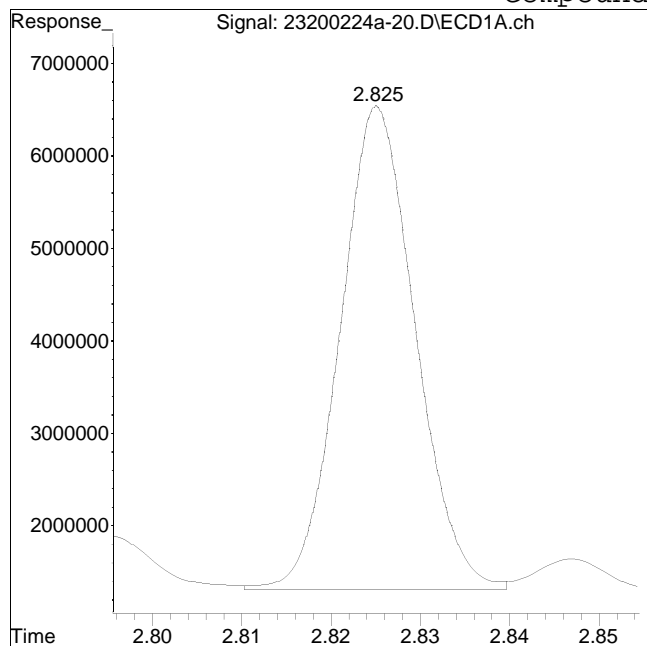
Manual Peak Response = 17529853 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-20.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:35 pm Instrument : Pest 23
Sample : 12007485-06d,42e,20,rr Quant Date : 2/25/2020 4:18 pm

Compound #12: 1260-4



Original Peak Response = 30572609

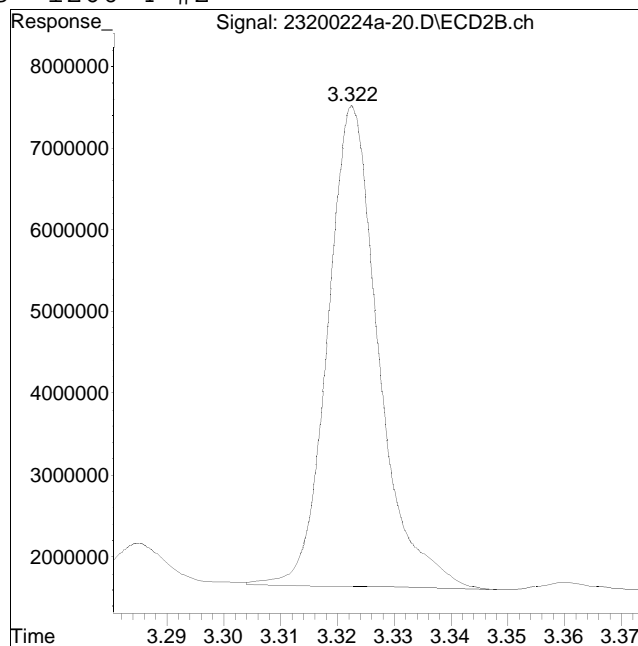
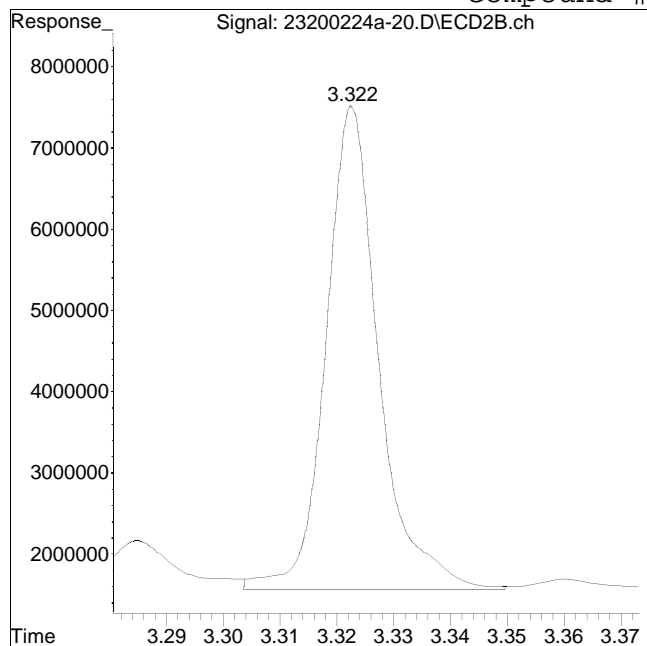
Manual Peak Response = 30130105 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-20.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:35 pm Instrument : Pest 23
Sample : 12007485-06d,42e,20,rr Quant Date : 2/25/2020 4:18 pm

Compound #63: 1260-4 #2



Original Peak Response = 38506865

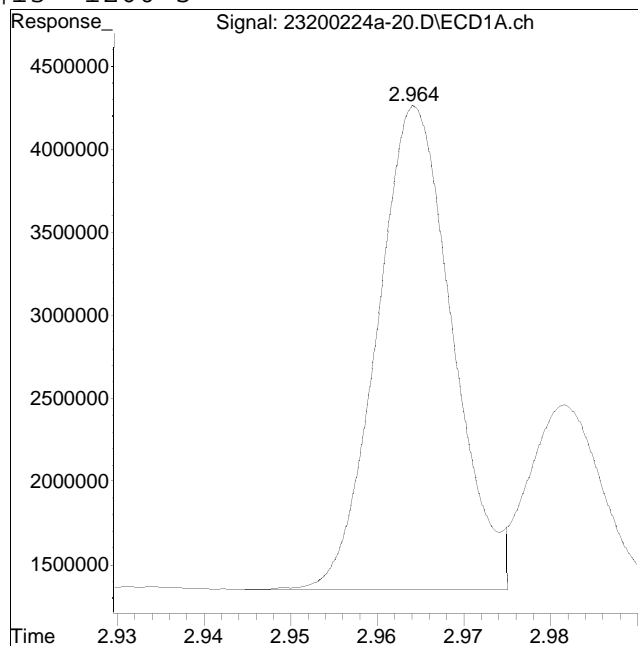
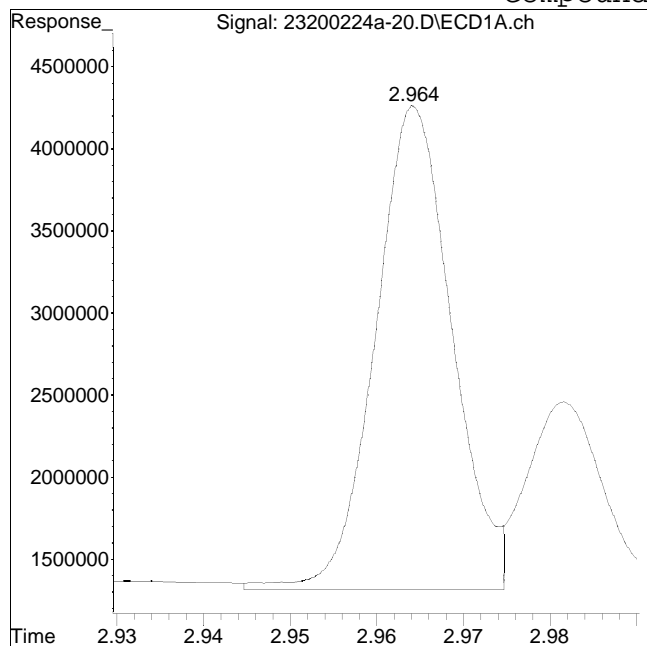
Manual Peak Response = 36523624 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-20.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:35 pm Instrument : Pest 23
Sample : 12007485-06d,42e,20,rr Quant Date : 2/25/2020 4:18 pm

Compound #13: 1260-5



Original Peak Response = 18061664

Manual Peak Response = 17624481 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:42 pm
 Operator : pest23:cw
 Sample : l2007485-07d,42e,20,rr
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:27:53 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.019	24041321	28832486	250.000	250.000
Standard Area 1 : #1 = 19643802				Recovery =		122.39%
Standard Area 1 : #2 = 23540908				Recovery =		122.48%
14) i 2154_1br2nb	0.923	1.019	24041321	28832486	250.000	250.000
23) i 4268_1br2nb	0.923	1.019	24041321	28832486	250.000	250.000
34) i 1248_1br2nb	0.923	1.019	24041321	28832486	250.000	250.000
40) i 3262_1br2nb	0.923	1.019	24041321	28832486	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.719	28888141	34275599	3971.360	3874.975
10) l2 1260-2	2.389	2.819	52153041	47671888	4695.991	4566.285
11) l2 1260-3	2.682	3.193	28812414	40460168	4189.417	4559.024M4
12) l2 1260-4	2.826	3.323	71229881	86019435	4842.065	4711.218M4
13) l2 1260-5	2.965	3.519	40892274	61798341	5214.648	4777.434M4
Sum 1260-1			222.0E6	270.2E6	22913.481	22488.936
Average 1260-1					4582.696	4497.787

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:42 pm
 Operator : pest23:cw
 Sample : l2007485-07d,42e,20,rr
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:27:53 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D.
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:42 pm
 Operator : pest23:cw
 Sample : l2007485-07d,42e,20,rr
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:27:53 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-21.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:42 pm
 Operator : pest23:cw
 Sample : l2007485-07d,42e,20,rr
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:27:53 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

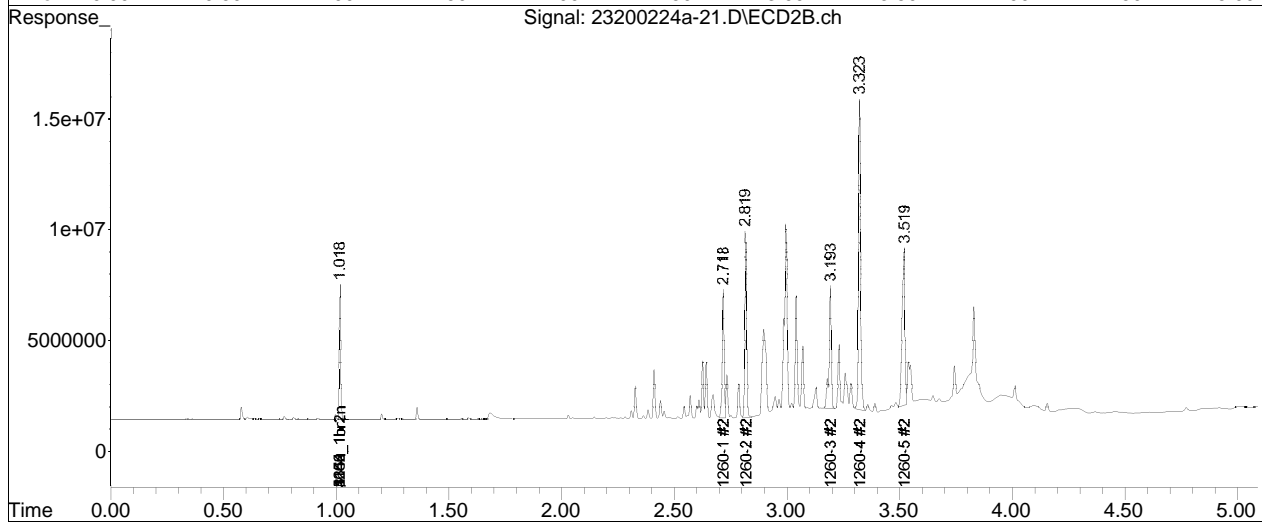
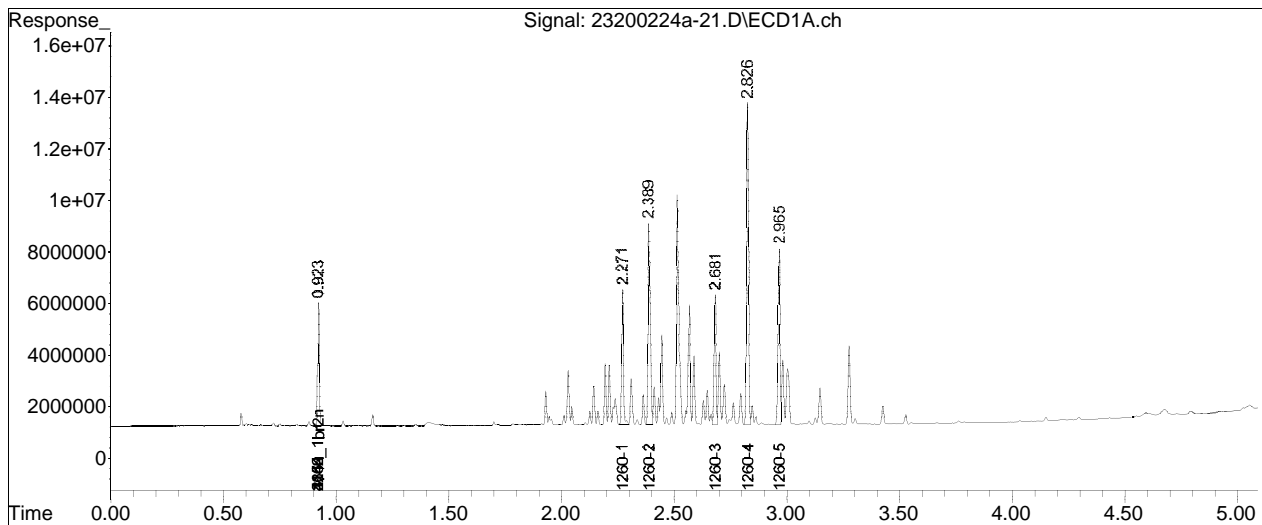
Sub List : Default - All compounds listed24a\23200224a-02.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 01:42 pm
Operator : pest23:cw
Sample : l2007485-07d,42e,20,rr
Misc : wg1343753,wg1343014,ical16474
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:27:53 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

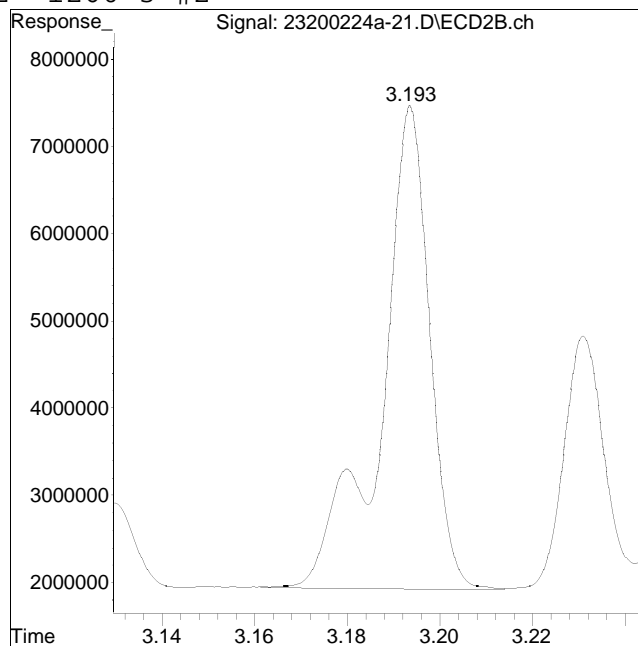
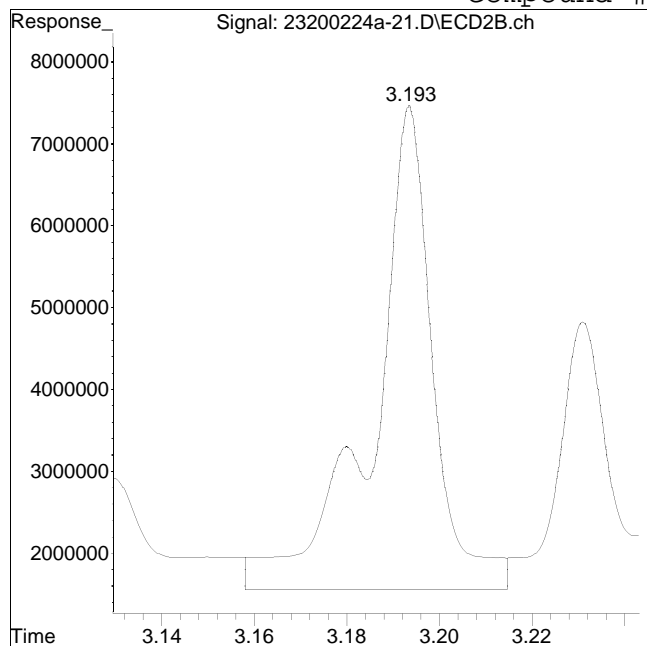
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-21.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:42 pm Instrument : Pest 23
Sample : 12007485-07d,42e,20,rr Quant Date : 2/25/2020 4:18 pm

Compound #62: 1260-3 #2



Original Peak Response = 53270699

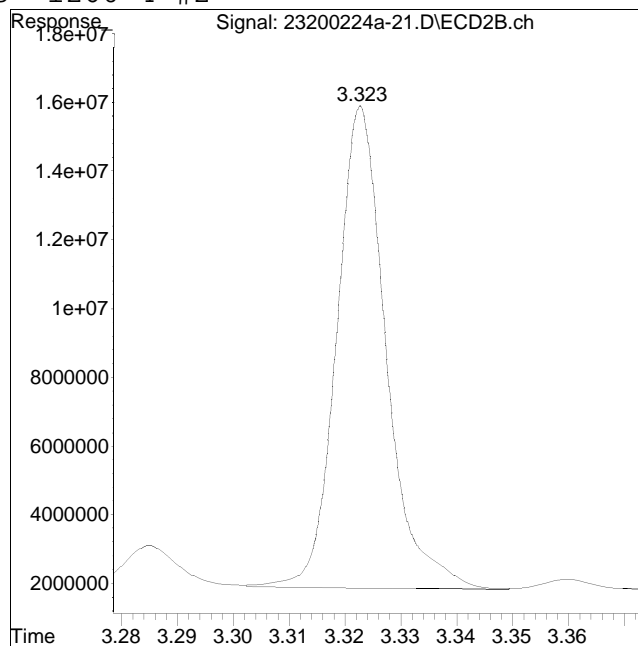
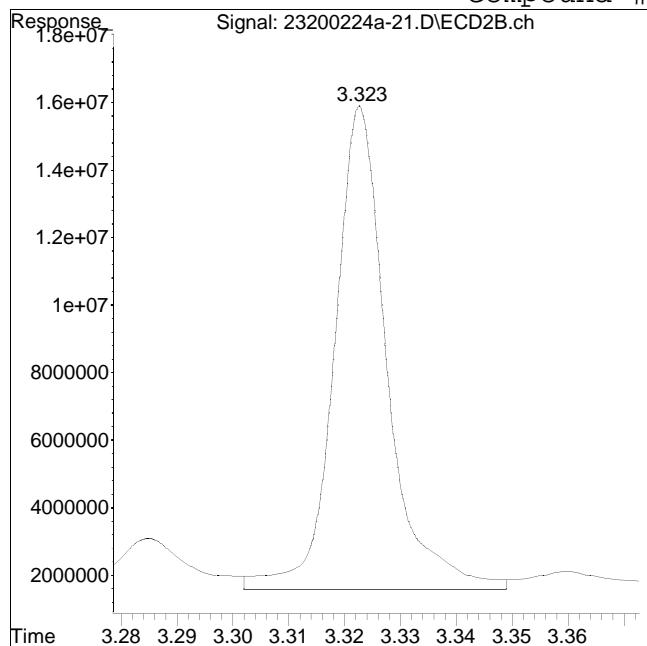
Manual Peak Response = 40460168 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-21.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:42 pm Instrument : Pest 23
Sample : 12007485-07d,42e,20,rr Quant Date : 2/25/2020 4:18 pm

Compound #63: 1260-4 #2



Original Peak Response = 94382157

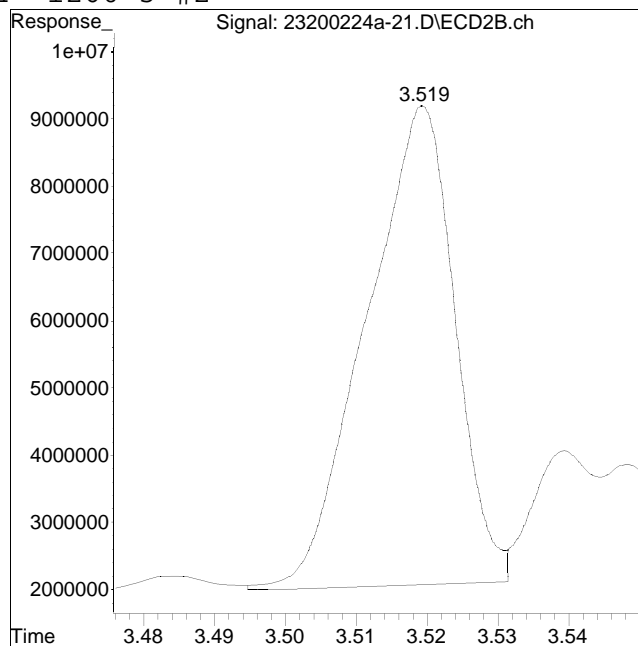
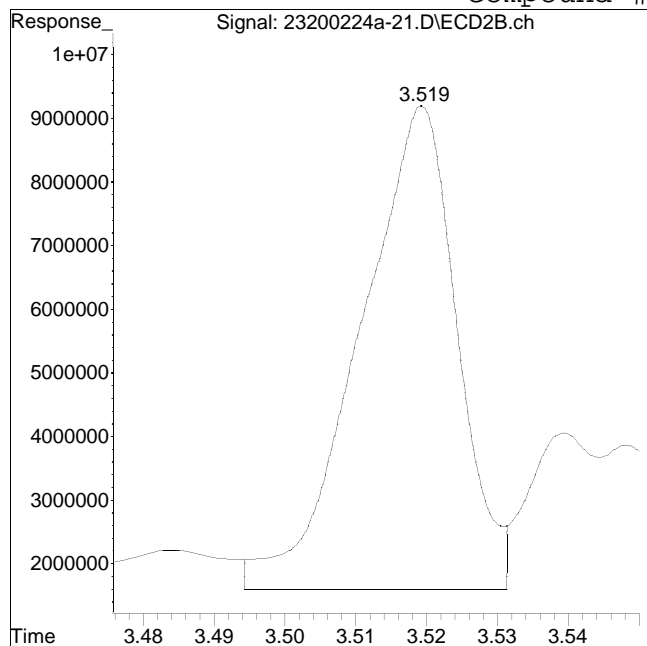
Manual Peak Response = 86019435 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-21.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:42 pm Instrument : Pest 23
Sample : 12007485-07d,42e,20,rr Quant Date : 2/25/2020 4:18 pm

Compound #64: 1260-5 #2



Original Peak Response = 71972894

Manual Peak Response = 61798341 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:49 pm
 Operator : pest23:cw
 Sample : l2007485-16d,42e,5,rrwpc
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:28:54 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.019	26648382	32572963	250.000	250.000
Standard Area 1 : #1 = 19643802					Recovery =	135.66%
Standard Area 1 : #2 = 23540908					Recovery =	138.37%
14) i 2154_1br2nb	0.923	1.019	26648382	32572963	250.000	250.000
23) i 4268_1br2nb	0.923	1.019	26648382	32572963	250.000	250.000
34) i 1248_1br2nb	0.923	1.019	26648382	32572963	250.000	250.000
40) i 3262_1br2nb	0.923	1.019	26648382	32572963	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.360	8051349	9409970	49.426	52.269
Spiked Amount 500.000 Range 30 - 150					Recovery =	9.89%# 10.45%#
3) s Decachlorobi	3.527	4.156	8225923	9631687	64.630M1	59.281M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	12.93%# 11.86%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.718	16226442	18593345	2012.475	1860.656
10) l2 1260-2	2.389	2.818	30919294	29330719	2511.682	2486.842
11) l2 1260-3	2.681	3.193	20723242	28601748	2718.436	2852.736
12) l2 1260-4	2.826	3.323	52157203	62388262	3198.676	3024.575
13) l2 1260-5	2.964	3.517	26631736	47789728	3063.872	3270.222
Sum 1260-1			146.7E6	186.7E6	13505.141	13495.032

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:49 pm
 Operator : pest23:cw
 Sample : l2007485-16d,42e,5,rrwpc
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:28:54 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					2701.028	2699.006
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:49 pm
 Operator : pest23:cw
 Sample : l2007485-16d,42e,5,rrwpc
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:28:54 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-22.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 01:49 pm
 Operator : pest23:cw
 Sample : l2007485-16d,42e,5,rrwpc
 Misc : wgl1343753,wgl1343014,ical16474
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:28:54 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

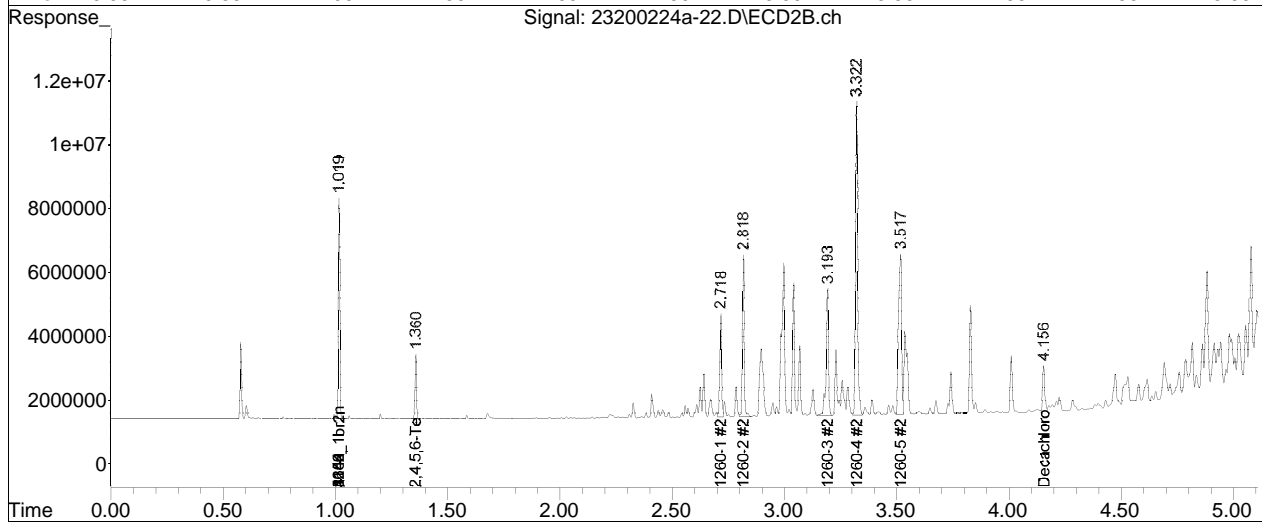
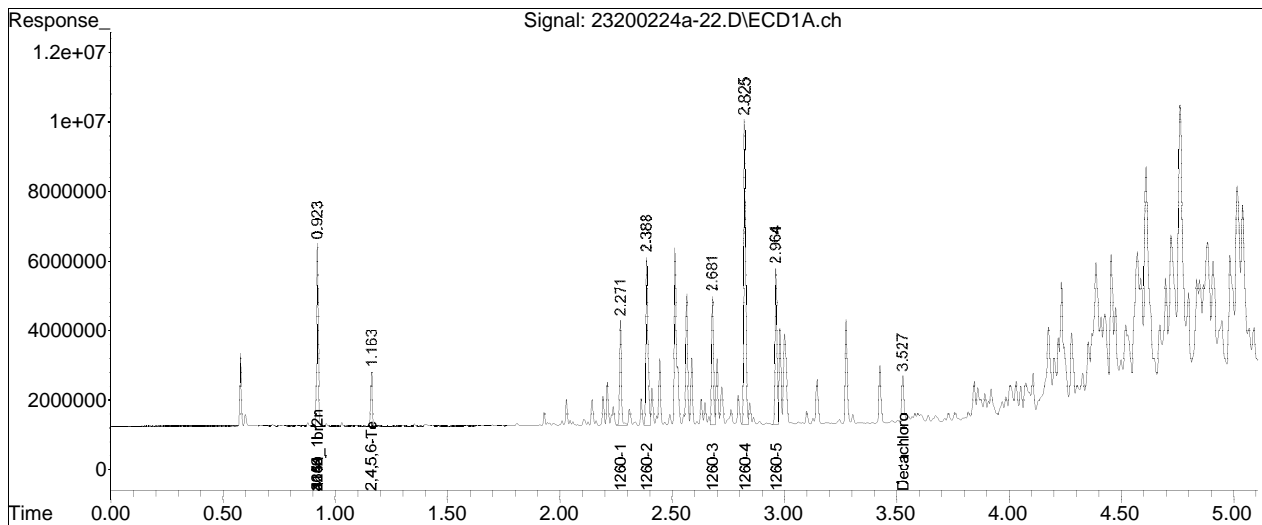
Sub List : Default - All compounds listed24a\23200224a-02.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 01:49 pm
Operator : pest23:cw
Sample : l2007485-16d,42e,5,rrwpc
Misc : wg1343753,wg1343014,ical16474
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:28:54 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

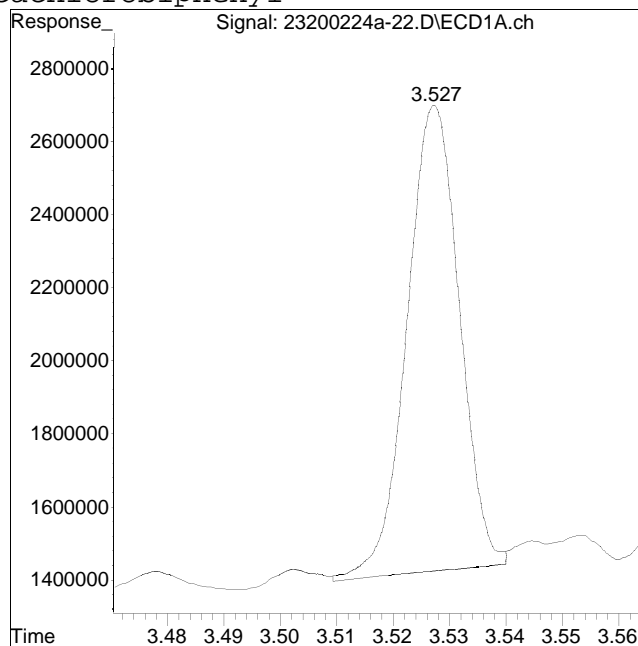
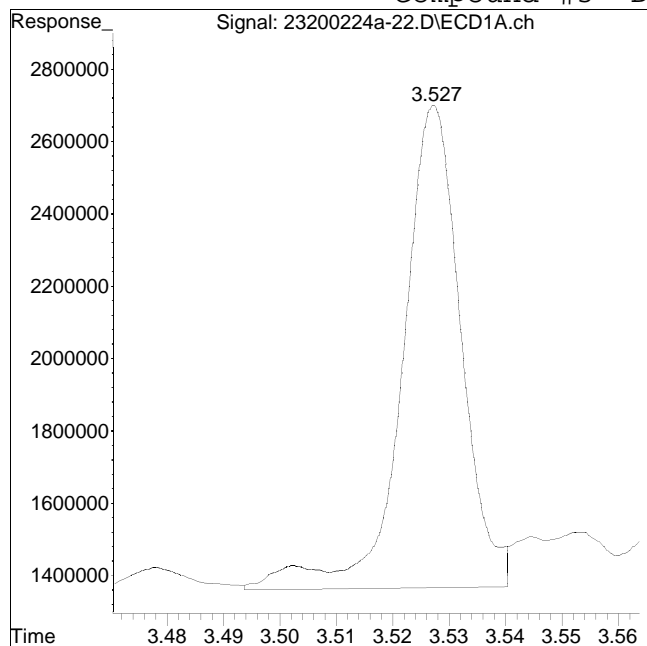
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-22.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:49 pm Instrument : Pest 23
Sample : 12007485-16d,42e,5,rrwpc Quant Date : 2/25/2020 4:18 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 9645158

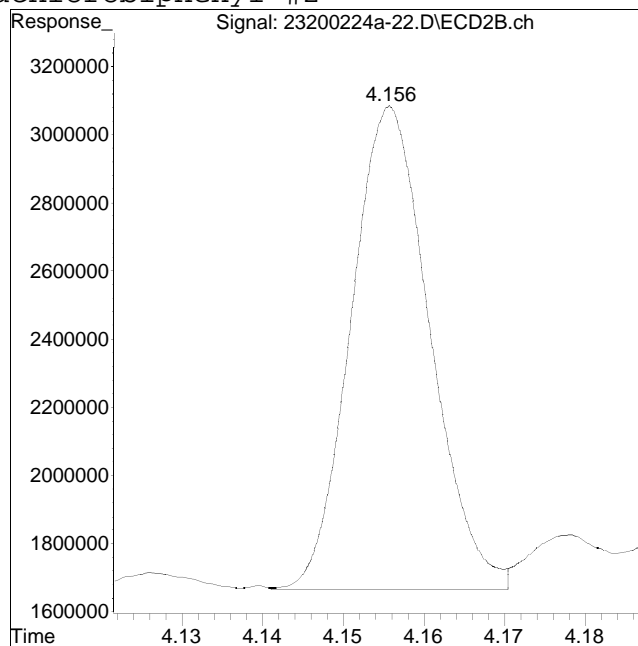
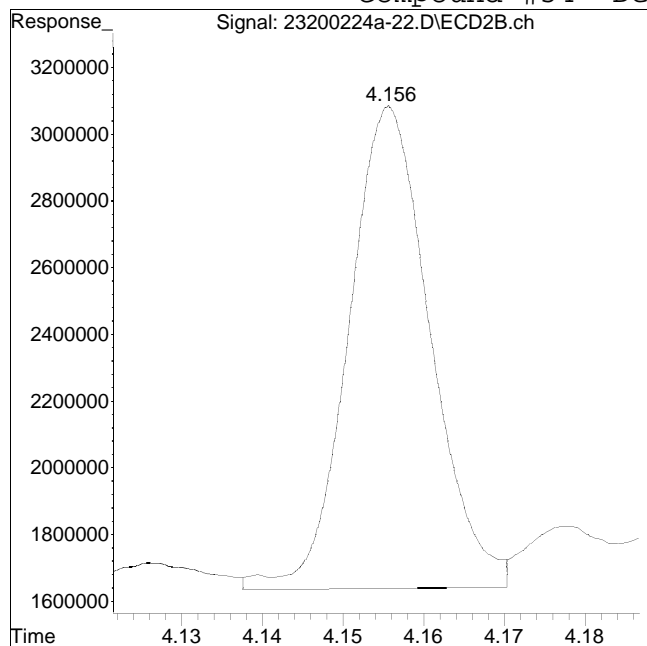
Manual Peak Response = 8225923 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-22.D Operator : pest23:cw
Date Inj'd : 2/24/2020 1:49 pm Instrument : Pest 23
Sample : 12007485-16d,42e,5,rrwpc Quant Date : 2/25/2020 4:18 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 10144203

Manual Peak Response = 9631687 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-60.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:31 pm
 Operator : pest23:cw
 Sample : l2007485-02,42e,,re
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:36:12 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.018	25178172	28590171	250.000	250.000
Standard Area 1 : #1 = 22244458					Recovery =	113.19%
Standard Area 1 : #2 = 25501975					Recovery =	112.11%
14) i 2154_1br2nb	0.923	1.018	25178172	28590171	250.000	250.000
23) i 4268_1br2nb	0.923	1.018	25178172	28590171	250.000	250.000
34) i 1248_1br2nb	0.923	1.018	25178172	28590171	250.000	250.000
40) i 3262_1br2nb	0.923	1.018	25178172	28590171	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.358	36001832	41018075	233.915	259.582
Spiked Amount 500.000	Range 30 - 150				Recovery =	46.78%
3) s Decachlorobi	3.524	4.153	29801057	32255872	281.477M4	226.186
Spiked Amount 500.000	Range 30 - 150				Recovery =	56.30%
45.24%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.270	2.716	7950056	8933157	1043.576M1	1018.484
10) l2 1260-2	2.387	2.815	15360029	13522170	1320.608	1306.208
11) l2 1260-3	2.680	3.191	8556479	11342367	1187.964	1288.882
12) l2 1260-4	2.823	3.320	22282023	23993191	1446.296	1325.226
13) l2 1260-5	2.962	3.516	12504668	17506401	1522.615	1364.835
Sum 1260-1			66653256	75297287	6521.058	6303.635
Average 1260-1					1304.212	1260.727

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-60.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:31 pm
 Operator : pest23:cw
 Sample : l2007485-02,42e,,re
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:36:12 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-60.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:31 pm
 Operator : pest23:cw
 Sample : 12007485-02,42e,,re
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:36:12 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-60.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:31 pm
 Operator : pest23:cw
 Sample : l2007485-02,42e,,re
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:36:12 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

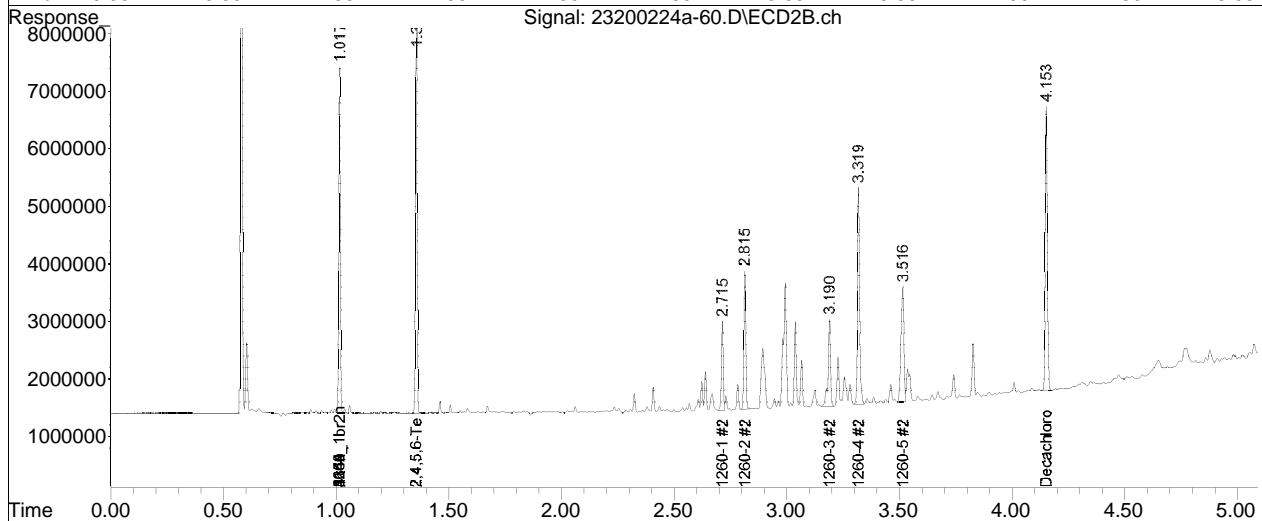
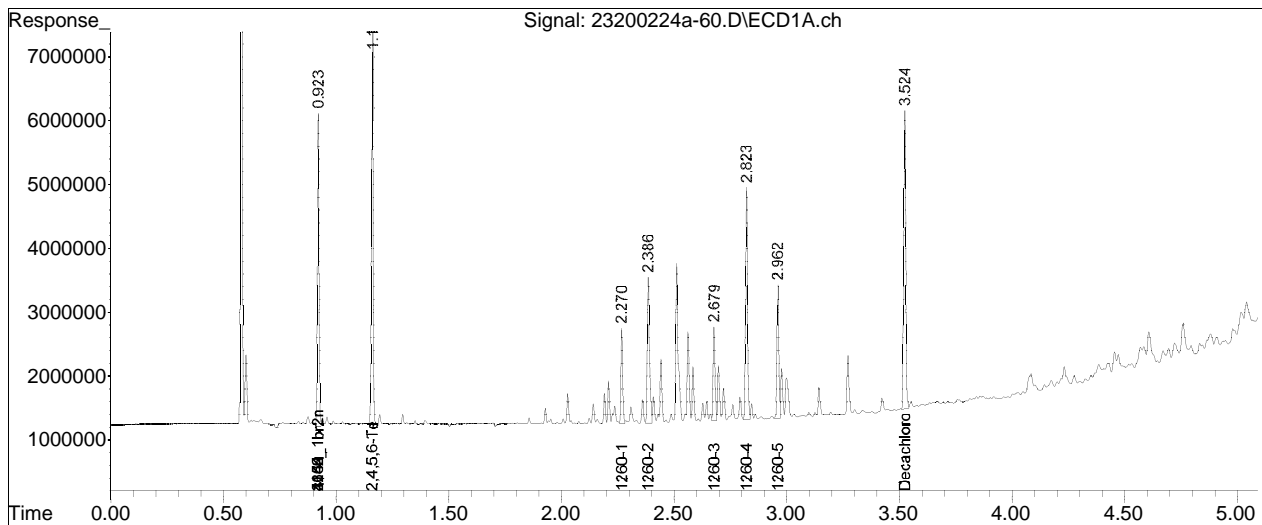
Sub List : Default - All compounds listed24a\23200224a-44.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-60.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 11:31 pm
Operator : pest23:cw
Sample : l2007485-02,42e,,re
Misc : wg1343753,wg1343647,ical16474
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:36:12 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

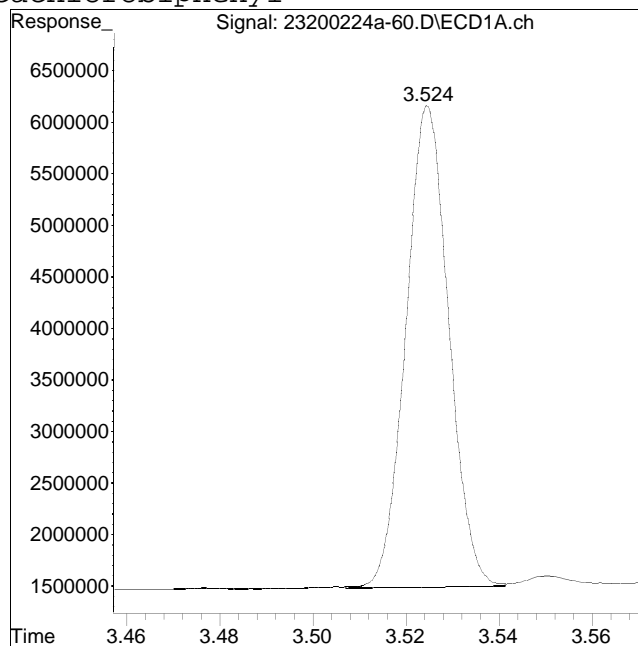
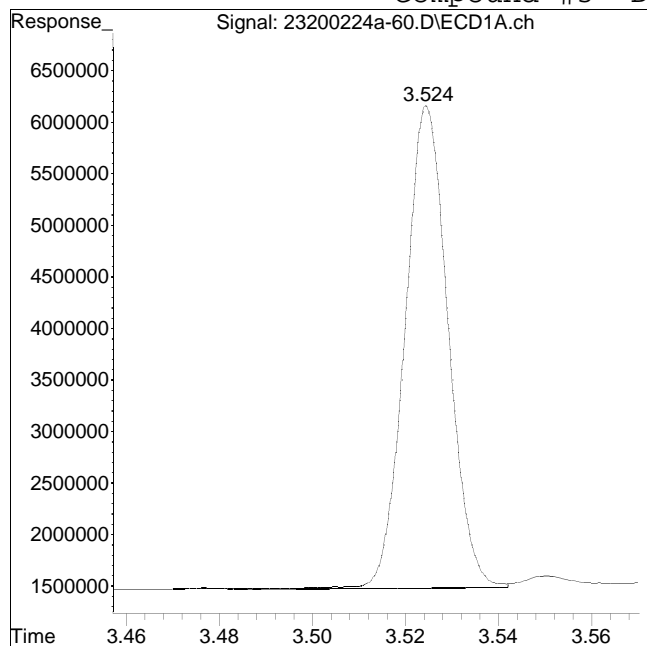
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-60.D Operator : pest23:cw
Date Inj'd : 2/24/2020 11:31 pm Instrument : Pest 23
Sample : 12007485-02,42e,,re Quant Date : 2/25/2020 4:35 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 30155159

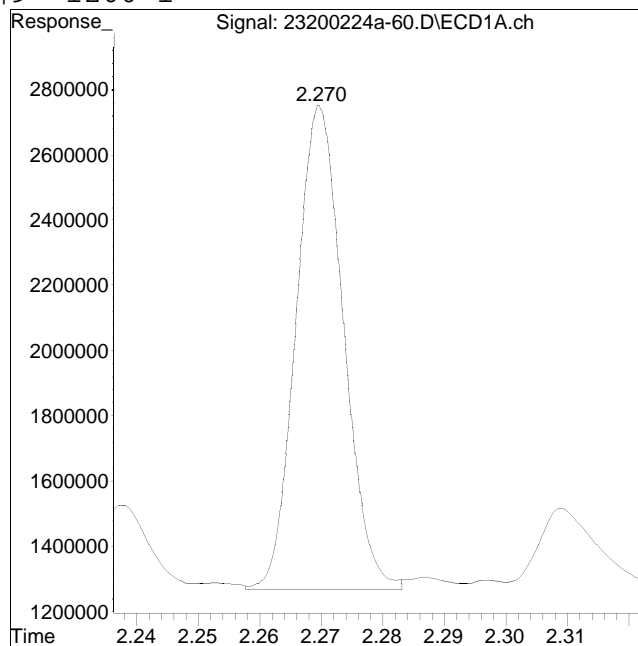
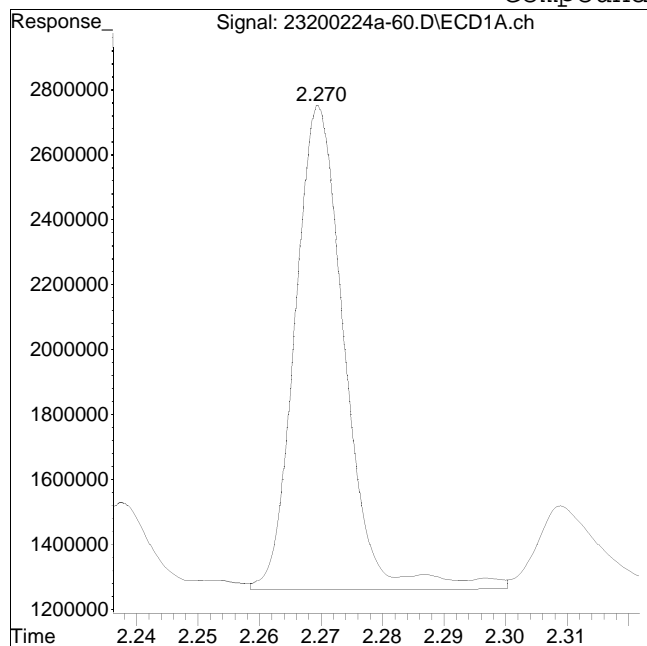
Manual Peak Response = 29801057 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-60.D Operator : pest23:cw
Date Inj'd : 2/24/2020 11:31 pm Instrument : Pest 23
Sample : 12007485-02,42e,,re Quant Date : 2/25/2020 4:35 pm

Compound #9: 1260-1



Original Peak Response = 8405511

Manual Peak Response = 7950056 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-61.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:38 pm
 Operator : pest23:cw
 Sample : l2007485-10,42e,,re
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:36:52 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.018	26372074	29565535	250.000	250.000
Standard Area 1 : #1 = 22244458					Recovery =	118.56%
Standard Area 1 : #2 = 25501975					Recovery =	115.93%
14) i 2154_1br2nb	0.923	1.018	26372074	29565535	250.000	250.000
23) i 4268_1br2nb	0.923	1.018	26372074	29565535	250.000	250.000
34) i 1248_1br2nb	0.923	1.018	26372074	29565535	250.000	250.000
40) i 3262_1br2nb	0.923	1.018	26372074	29565535	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.358	50409447	56618153	312.699	346.486
Spiked Amount 500.000	Range 30 - 150				Recovery =	62.54%
3) s Decachlorobi	3.525	4.152	42413139	44836086	386.726	304.029
Spiked Amount 500.000	Range 30 - 150				Recovery =	77.35%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.270	2.715	23765001	26462361	2978.321	2917.486
10) l2 1260-2	2.387	2.815	47716314	44016248	3916.774	4111.593
11) l2 1260-3	2.680	3.190	27947182	36200414	3704.469	3977.902
12) l2 1260-4	2.823	3.319	68170233	80893148	4224.519	4320.606
13) l2 1260-5	2.963	3.516	41238928	58538400	4794.078	4413.215
Sum 1260-1			208.8E6	246.1E6	19618.162	19740.802
Average 1260-1					3923.632	3948.160

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-61.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:38 pm
 Operator : pest23:cw
 Sample : l2007485-10,42e,,re
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:36:52 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-61.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:38 pm
 Operator : pest23:cw
 Sample : l2007485-10,42e,,re
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:36:52 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-61.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:38 pm
 Operator : pest23:cw
 Sample : l2007485-10,42e,,re
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 16:36:52 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

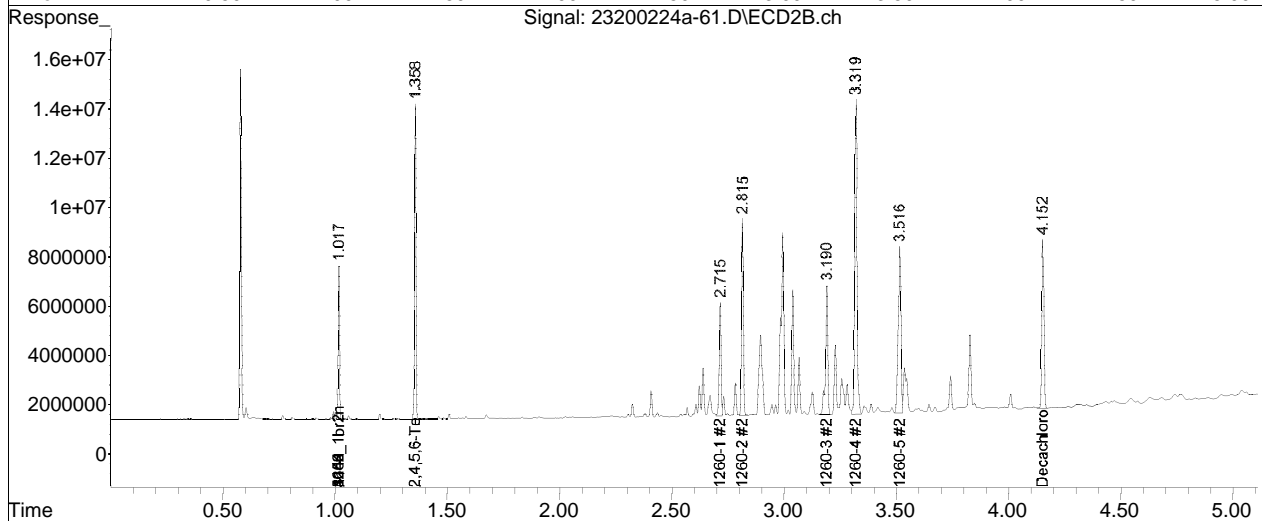
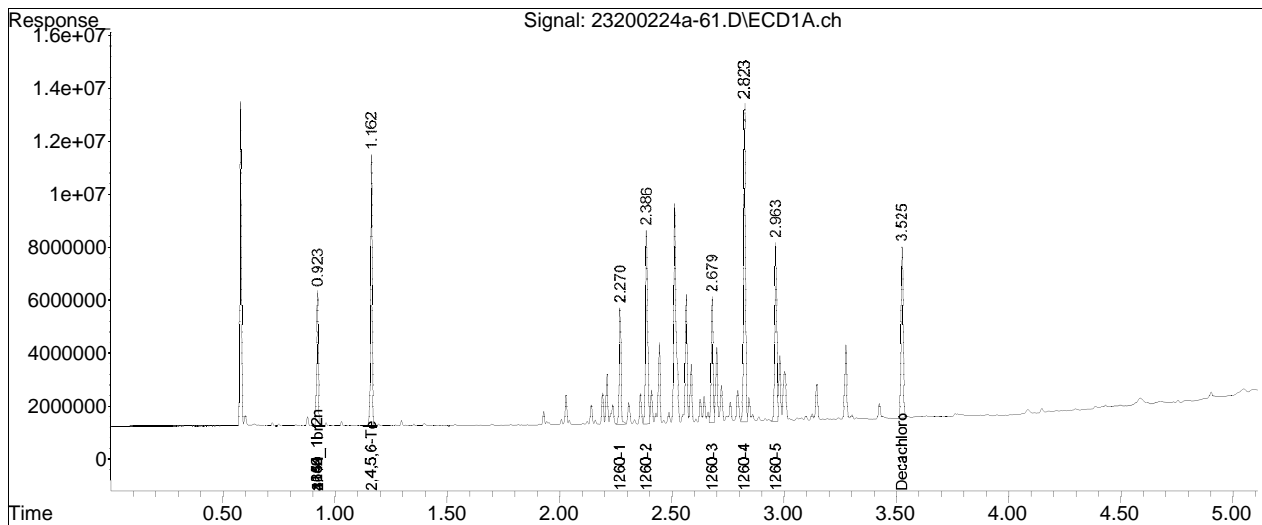
Sub List : Default - All compounds listed24a\23200224a-44.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-61.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 11:38 pm
Operator : pest23:cw
Sample : 12007485-10,42e,,re
Misc : wg1343753,wg1343647,ical16474
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 16:36:52 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-61.D Operator : pest23:cw
Date Inj'd : 2/24/2020 11:38 pm Instrument : Pest 23
Sample : 12007485-10,42e,,re Quant Date : 2/25/2020 4:35 pm

There are no manual integrations or false positives in this file.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 01:02 pm
 Operator : pest19:cw
 Sample : wgl1343014-1,42e,,
 Misc : wgl1343434,wgl1343014,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:18:09 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.991	1.033	34376329	50421205	250.000	250.000
Standard Area 1 : #1 = 23924273					Recovery =	143.69%
Standard Area 1 : #2 = 35432560					Recovery =	142.30%
14) i 2154_1br2nb	0.991	1.033	34376329	50421205	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	34376329	50421205	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	34376329	50421205	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	34376329	50421205	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.378	57329982	81767294	319.577	317.511
Spiked Amount 500.000	Range 30 - 150				Recovery =	63.92%
3) s Decachlorobi	4.003	4.510	44275951	61406323	307.686M4	282.692M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	61.54%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 01:02 pm
 Operator : pest19:cw
 Sample : wg1343014-1,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:18:09 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 01:02 pm
 Operator : pest19:cw
 Sample : wg1343014-1,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:18:09 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200222a\
 Data File : 19200222a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Feb 2020 01:02 pm
 Operator : pest19:cw
 Sample : wg1343014-1,42e,,
 Misc : wg1343434,wg1343014,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 15:18:09 2020
 Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200222a\19200222a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

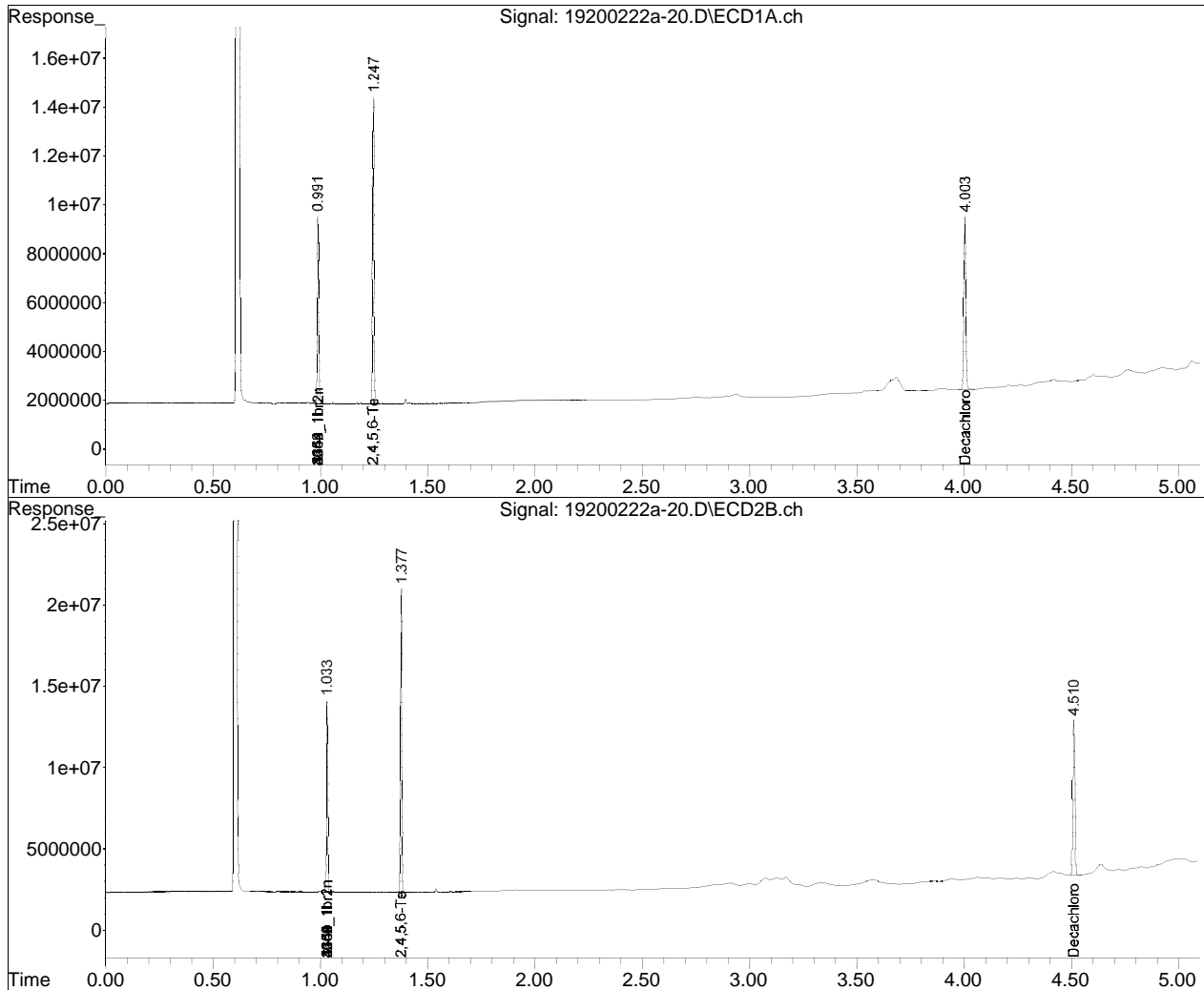
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200222a\
Data File : 19200222a-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2020 01:02 pm
Operator : pest19:cw
Sample : wg1343014-1,42e,,
Misc : wg1343434,wg1343014,ical16321
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 15:18:09 2020
Quant Method : I:\Pest19\200222a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

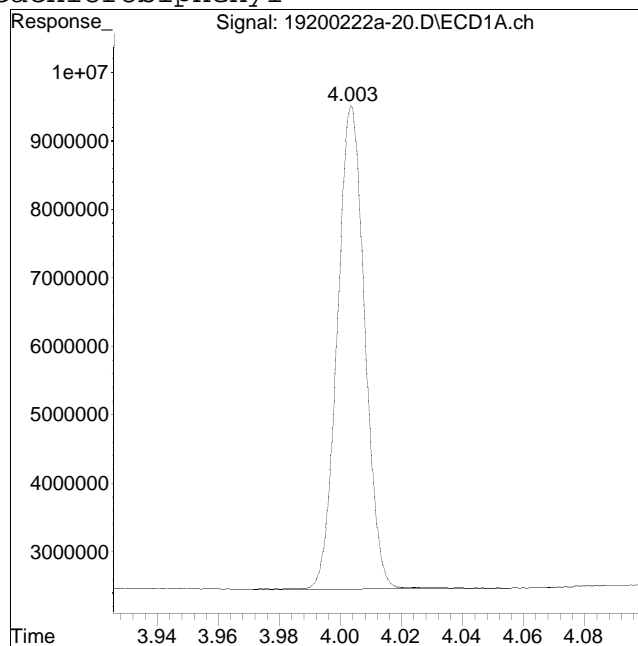
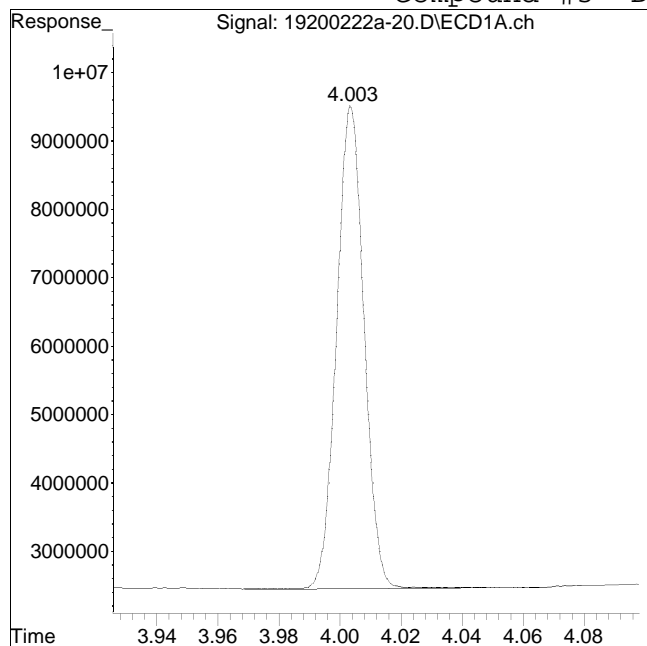


Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-20.D
Date Inj'd : 2/22/2020 1:02 pm
Sample : wg1343014-1,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 44343555

Manual Peak Response = 44275951 M4

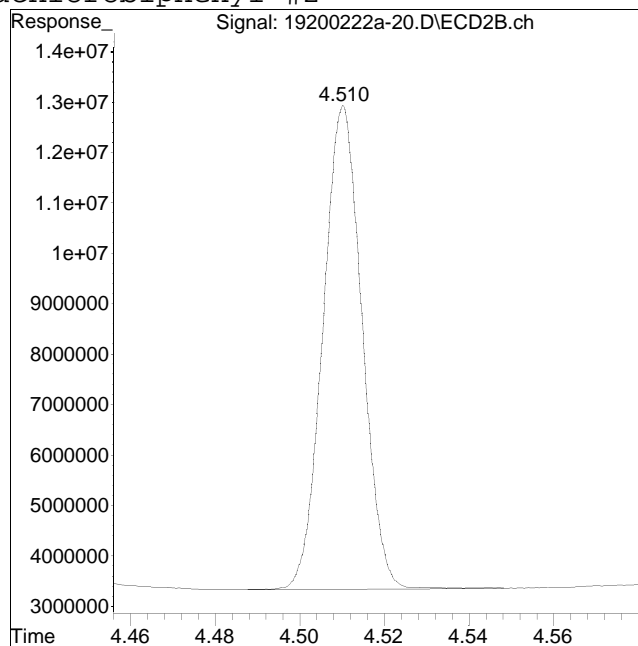
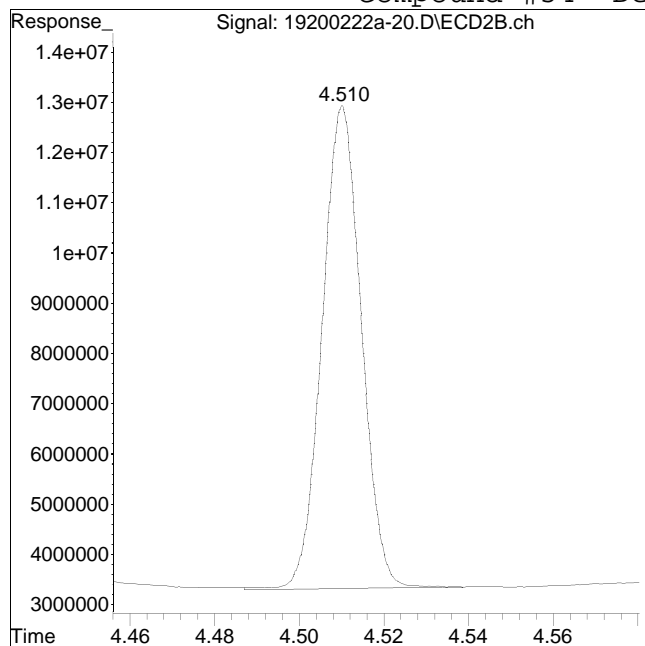
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200222a\
Data File : 19200222a-20.D
Date Inj'd : 2/22/2020 1:02 pm
Sample : wg1343014-1,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/22/2020 1:27 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 61944156

Manual Peak Response = 61406323 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-62.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:45 pm
 Operator : pest23:aws
 Sample : wg1343647-1,42e,,
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 13:36:21 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
Standard Area 1 : #1 = 22244458					Recovery =	103.87%
Standard Area 1 : #2 = 25501975					Recovery =	102.70%
14) i 2154_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
23) i 4268_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
34) i 1248_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
40) i 3262_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.358	47092069	53612210	333.409	370.359
Spiked Amount 500.000	Range 30 - 150				Recovery =	66.68%
3) s Decachlorobi	3.525	4.152	40064077	43652980	417.869	334.142
Spiked Amount 500.000	Range 30 - 150				Recovery =	83.57%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-62.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:45 pm
 Operator : pest23:aws
 Sample : wg1343647-1,42e,,
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 13:36:21 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-62.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:45 pm
 Operator : pest23:aws
 Sample : wg1343647-1,42e,,
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 13:36:21 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-62.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:45 pm
 Operator : pest23:aws
 Sample : wg1343647-1,42e,,
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 13:36:21 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

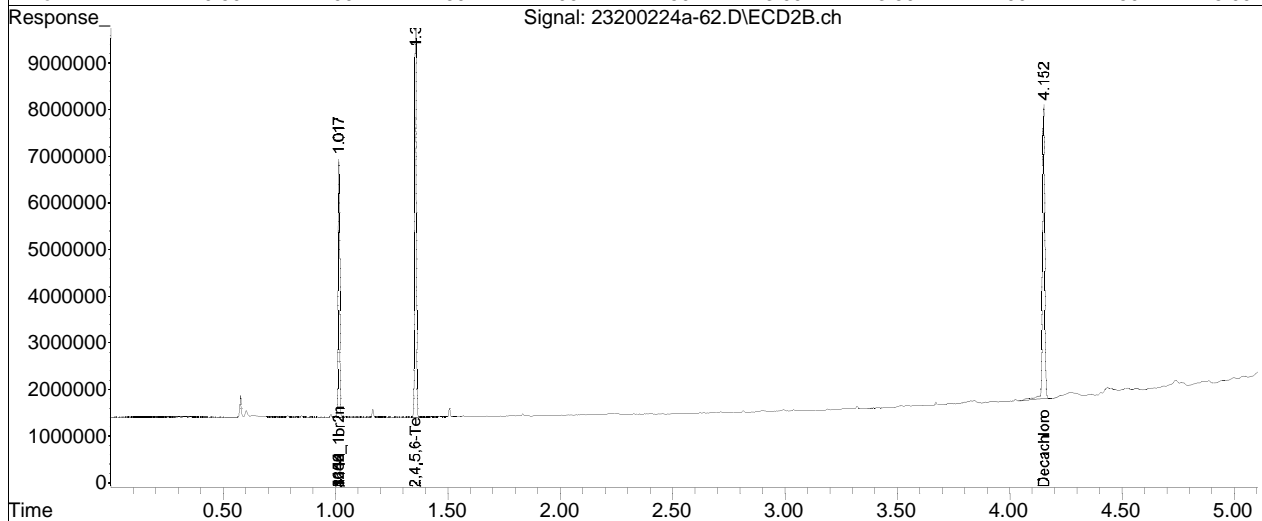
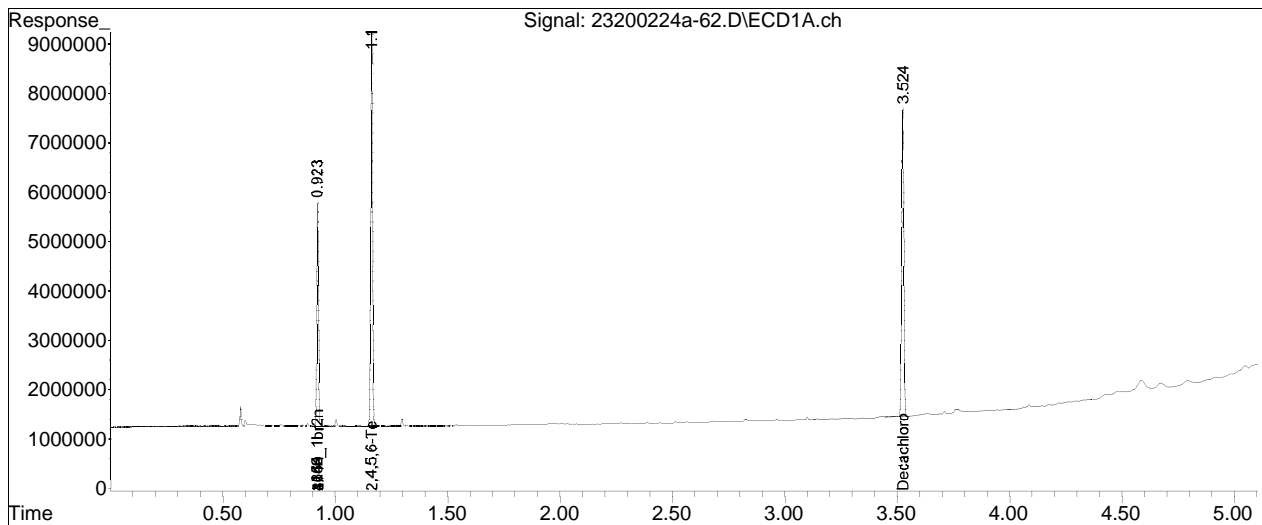
Sub List : Default - All compounds listed24a\23200224a-44.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-62.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 11:45 pm
Operator : pest23:aws
Sample : wg1343647-1,42e,,
Misc : wg1343753,wg1343647,ical16474
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 13:36:21 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-62.D Operator : pest23:aws
Date Inj'd : 2/24/2020 11:45 pm Instrument : Pest 23
Sample : wg1343647-1,42e,, Quant Date : 2/25/2020 1:02 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200220A\
 Data File : P2200220a-06.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Feb 2020 11:00 am
 Operator : pest2:aws
 Sample : wg1342485-1,42e,,
 Misc : wg1342673,wg1342485,ical16010
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 14:43:07 2020
 Quant Method : I:\Pest2\200220A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200220A\P2200220a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.107	2.289	117.7E6	78207611	25.000	25.000
Standard Area 1 : #1 = 99508095					Recovery =	118.33%
Standard Area 1 : #2 = 67967073					Recovery =	115.07%
14) i 2154_1br2nb	2.107	2.289	117.7E6	78207611	25.000	25.000
23) i 4268_1br2nb	2.107	2.289	117.7E6	78207611	25.000	25.000
34) i 1248_1br2nb	2.107	2.289	117.7E6	78207611	25.000	25.000
40) i 3262_1br2nb	2.107	2.289	117.7E6	78207611	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.591	2.933	36166216	25454108	7.486	7.724
Spiked Amount 20.000	Range 30 - 150		Recovery =		37.43%	38.62%
3) s Decachlorobi	6.610f	7.335f	36339418	25600609	7.835	9.938M4
Spiked Amount 20.000	Range 30 - 150		Recovery =		39.17%	49.69%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200220A\
 Data File : P2200220a-06.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Feb 2020 11:00 am
 Operator : pest2:aws
 Sample : wg1342485-1,42e,,
 Misc : wg1342673,wg1342485,ical16010
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 14:43:07 2020
 Quant Method : I:\Pest2\200220A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200220A\P2200220a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14	1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14	1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14	1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16	1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200220A\
 Data File : P2200220a-06.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 20 Feb 2020 11:00 am
 Operator : pest2:aws
 Sample : wg1342485-1,42e,,
 Misc : wg1342673,wg1342485,ical16010
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 20 14:43:07 2020
 Quant Method : I:\Pest2\200220A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 13 20:40:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200220A\P2200220a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

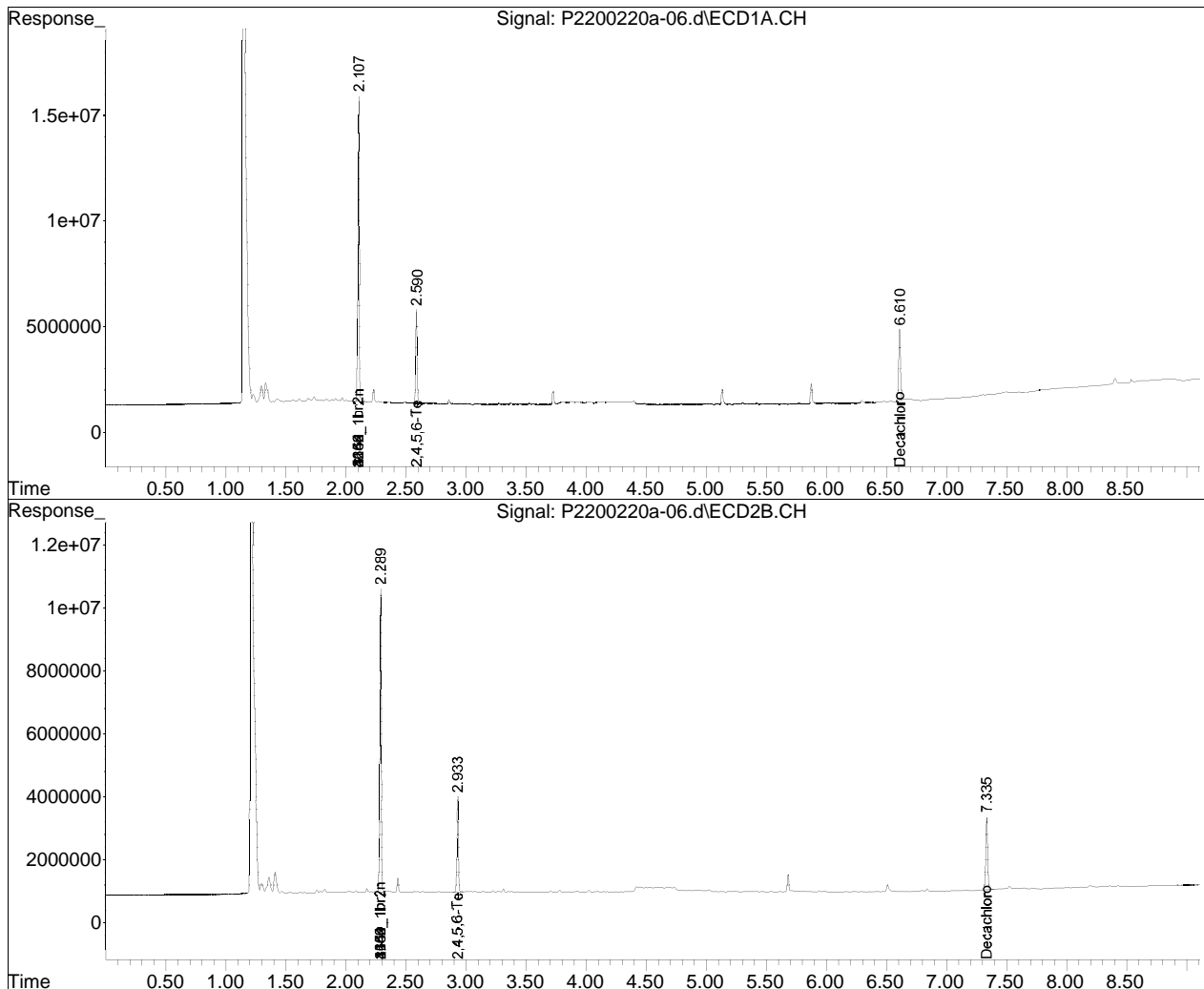
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200220A\
Data File : P2200220a-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Feb 2020 11:00 am
Operator : pest2:aws
Sample : wg1342485-1,42e,,
Misc : wg1342673,wg1342485,ical16010
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 20 14:43:07 2020
Quant Method : I:\Pest2\200220A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 13 20:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

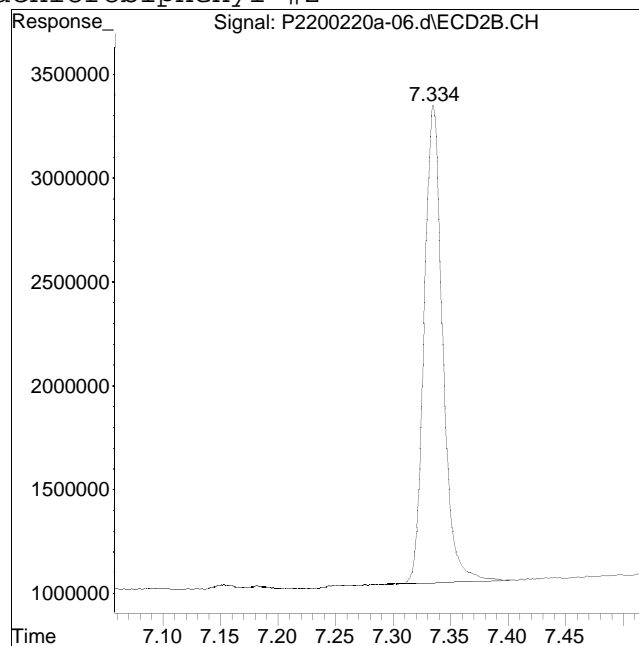
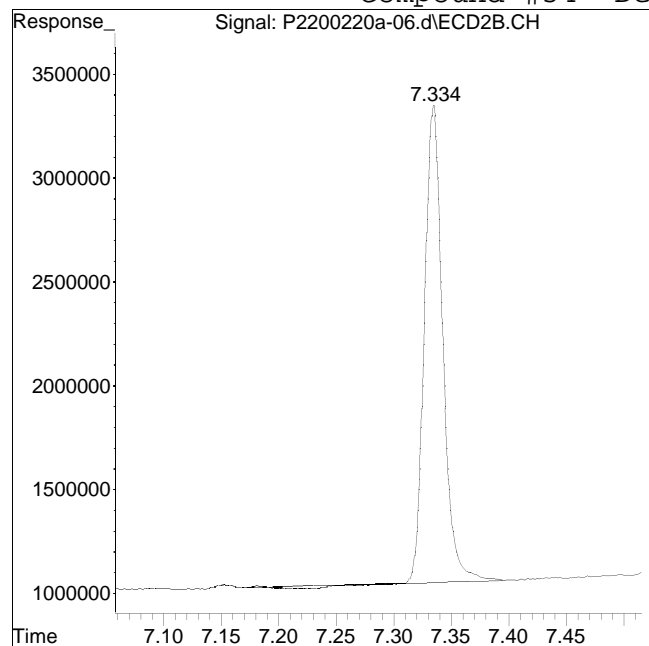


Manual Integration Report

Data Path : I:\Pest2\200220A\
Data File : P2200220a-06.d
Date Inj'd : 2/20/2020 11:00 am
Sample : wg1342485-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:aws
Instrument : PEST 2
Quant Date : 2/20/2020 2:41 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 25180104

Manual Peak Response = 25600609 M4

M4 = Poor automated baseline construction.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-01	Date Collected : 02/19/20 09:05
Client ID : E-189-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-02	Date Collected : 02/19/20 09:10
Client ID : E-189-1.5-2.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-03	Date Collected : 02/19/20 09:44
Client ID : E-196-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-04	Date Collected : 02/19/20 09:50
Client ID : E-196-2.0-2.5	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 79
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	79.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-05	Date Collected : 02/19/20 10:11
Client ID : E-196-3.0-3.5	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-06	Date Collected : 02/19/20 10:39
Client ID : E-185-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-07	Date Collected : 02/19/20 10:42
Client ID : E-185-1.5-2.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	77.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-08	Date Collected : 02/19/20 10:59
Client ID : E-183-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-09	Date Collected : 02/19/20 11:10
Client ID : E-183-1.5-2.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-10	Date Collected : 02/19/20 11:20
Client ID : E-184-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 92
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	91.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-11	Date Collected : 02/19/20 11:27
Client ID : E-184-1.5-2.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-12	Date Collected : 02/19/20 12:18
Client ID : E-182-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-13	Date Collected : 02/19/20 12:26
Client ID : E-182-1.5-2.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-14	Date Collected : 02/19/20 12:47
Client ID : E-181-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-15	Date Collected : 02/19/20 13:05
Client ID : E-181-1.5-2.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	84.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-16	Date Collected : 02/19/20 13:25
Client ID : E-175-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-17	Date Collected : 02/19/20 13:37
Client ID : E-175-2.0-2.5	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-19	Date Collected : 02/19/20 14:05
Client ID : E-180-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-20	Date Collected : 02/19/20 14:15
Client ID : E-180-1.5-2.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 91
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-21	Date Collected : 02/19/20 14:45
Client ID : E-173-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 14:22
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342770.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	84.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-22	Date Collected : 02/19/20 14:57
Client ID : E-173-2.0-2.5	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 14:22
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342770.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 89
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-24	Date Collected : 02/19/20 15:20
Client ID : E-169-0.5-1.0	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 14:22
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342770.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	79.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-25	Date Collected : 02/19/20 15:39
Client ID : E-169-2.0-2.5	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 14:22
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342770.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007485-28	Date Collected : 02/19/20 00:00
Client ID : X-9-02192020	Date Received : 02/19/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/20/20 14:22
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342770.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007485
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1342764-1	Date Collected : 02/19/20 09:05
Client ID : E-189-0.5-1.0DUP	Date Received : 02/19/20
Sample Location :	Date Analyzed : 02/20/20 13:47
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1342764.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.1	0.100	NA	



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007485
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-189-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2007485-01	Analysis Date	: 02/20/20 13:47
Dup Sample ID	: WG1342764-1	DUP Analysis Date	: 02/20/20 13:47

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	80.1	80.1	0	20





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Lab Number: L2007688

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

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Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0008.06	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2007688	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/20/2020	Date of Last Sample Receipt: 02/20/2020

Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-118-0.5-1.0	L2007688-01	AMTRAK-EAST BARRACKS	02/20/2020 09:08
E-118-2.0-2.5	L2007688-02	AMTRAK-EAST BARRACKS	02/20/2020 09:20
E-118-3.0-3.5	L2007688-03	AMTRAK-EAST BARRACKS	02/20/2020 09:25
E-117-0.5-1.0	L2007688-04	AMTRAK-EAST BARRACKS	02/20/2020 09:55
E-117-2.0-2.5	L2007688-05	AMTRAK-EAST BARRACKS	02/20/2020 10:05
E-117-3.0-3.5	L2007688-06	AMTRAK-EAST BARRACKS	02/20/2020 10:25
E-120-0.5-1.0	L2007688-07	AMTRAK-EAST BARRACKS	02/20/2020 10:53
E-120-2.0-2.5	L2007688-08	AMTRAK-EAST BARRACKS	02/20/2020 10:57
E-120-3.0-3.5	L2007688-09	AMTRAK-EAST BARRACKS	02/20/2020 11:10
E-125-0.5-1.0	L2007688-10	AMTRAK-EAST BARRACKS	02/20/2020 11:40
E-125-2.0-2.5	L2007688-11	AMTRAK-EAST BARRACKS	02/20/2020 12:40
E-125-3.0-3.5	L2007688-12	AMTRAK-EAST BARRACKS	02/20/2020 12:47
EB-10-02202020	L2007688-13	AMTRAK-EAST BARRACKS	02/20/2020 14:15

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.

Technical Director/Representative (Typed) Melissa Sturgis

02/27/20

Technical Director/Representative (Signature) *Melissa Sturgis*

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Chain of Custody





**NEW JERSEY
CHAIN OF
CUSTODY**

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1
of 2

Date Rec'd in Lab
2/21/20

ALPHA Job #
620071688

Client Information
Client: WOOD E P I S
Address: 285 DANFORD AVE #401
SOMERSET NJ 08853
Phone: 1-732-302-9500
Fax: 1-732-302-9504
Email: marlene.lindhardt@woodcorp.com

Project Information
Project Name: AMTRAC - JS EAST BARACKS
Project Location: RENTON NJ
Project # 277710568.0003.06
(Use Project name as Project #)

Deliverables
 NJ Full / (Reduced)
 EQUIS (1 File) EQUIS (4 File)
 Other

Billing Information
 Same as Client Info
PO #

Project Manager: MARLENE LINDHARDT
ALPHAQuote #:
Turn-Around Time:
Standard Due Date:
Rush (only if pre approved) # of Days:

Regulatory Requirement
 SRS Residential/Non Residential
 SRS Impact to Groundwater
 NJ Ground Water Quality Standards
 NJ IGW SPLP Leachate Criteria
 Other

Site Information
Is this site impacted by Petroleum? Yes
Petroleum Product:

Sample Filtration
 Done
 Lab to do
Preservation
 Lab to do
(Please Specify below)

These samples have been previously analyzed by Alpha

For EPH, selection is REQUIRED:
 Category 1
 Category 2

Other project specific requirements/comments:
Please specify Metals or TAL.

ANALYSIS

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	PRES (200-516 2012)							Sample Specific Comments		
		Date	Time												
071688-01	E-118-0.5-1.0	2-20-20	0908	SOIL	NDF	X									
02	E-118-2.0-2.5	2-20-20	0920	SOIL	NDF	X									
03	E-118-3.0-3.5	2-20-20	0925	SOIL	NDF	X									
04	E-117-0.5-1.0	2-20-20	0955	SOIL	NDF	X									
05	E-117-2.0-2.5	2-20-20	1005	SOIL	NDF	X									
06	E-117-3.0-3.5	2-20-20	1025	SOIL	NDF	X									
07	E-120-0.5-1.0	2-20-20	1053	SOIL	NDF	X									
08	E-120-2.0-2.5	2-20-20	1057	SOIL	NDF	X									
09	E-120-3.0-3.5	2-20-20	1110	SOIL	NDF	X									
10	E-125-0.5-1.0	2-20-20	1140	SOIL	NDF	X									

Preservative Code:
A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₈
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type A
Preservative

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Relinquished By:	Date/Time	Received By:	Date/Time
WOOD	2/20/20 15:04	AAL	2/20/20 15:04
WAL	2/20/20 18:45	WAL	2/20/20 19:00
WAL	2/24/20 00:25	WAL	2/24/20 00:25

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 03:00 pm

Login Number: L2007688

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0008.06

Received: 20FEB20 Due Date: 27FEB20

Sample #	Client ID	Mat PR Collected
L2007688-01	E-118-0.5-1.0	3 S0 20FEB20 09:08
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 02/27/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2007688-02	E-118-2.0-2.5	3 S0 20FEB20 09:20
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007688-03	E-118-3.0-3.5	3 S0 20FEB20 09:25
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007688-04	E-117-0.5-1.0	3 S0 20FEB20 09:55
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007688-05	E-117-2.0-2.5	3 S0 20FEB20 10:05
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		
NJ-8082,TS		
L2007688-06	E-117-3.0-3.5	3 S0 20FEB20 10:25
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 03:00 pm

Login Number: L2007688

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 20FEB20 Due Date: 27FEB20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2007688-07 E-120-0.5-1.0 3 S0 20FEB20 10:53

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2007688-08 E-120-2.0-2.5 3 S0 20FEB20 10:57

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2007688-09 E-120-3.0-3.5 3 S0 20FEB20 11:10

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2007688-10 E-125-0.5-1.0 3 S0 20FEB20 11:40

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2007688-11 E-125-2.0-2.5 3 S0 20FEB20 12:40

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 27 2020, 03:00 pm

Login Number: L2007688

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 20FEB20 Due Date: 27FEB20

Sample #	Client ID	Mat PR Collected
----------	-----------	------------------

L2007688-12	E-125-3.0-3.5	3 S0 20FEB20 12:47
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LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20

NJ-8082,TS

L2007688-13	EB-10-02202020	1 S0 20FEB20 14:15
-------------	----------------	--------------------

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 02/27/20

NJ-8082-LVI

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007688-01A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-D CUSTODY	W1-S3-D CUSTODY	Geoffry Grace
L2007688-01A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2007688-01A	Glass-A.06	INTACT	25-FEB-20		W19-S3-C CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2007688-01A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W19-S3-C CUSTODY	W19-S3-C CUSTODY	Geoffry Grace
L2007688-01A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Steven Marengo
L2007688-01A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	W19-S3-A CUSTODY	Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2007688-01A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Brittney Kelley
L2007688-01A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007688-01A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A CUSTODY	Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007688-01A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Phillip Renaud
L2007688-01A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007688-02A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W19-S3-C CUSTODY	W19-S3-C CUSTODY	Geoffry Grace
L2007688-02A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Steven Marengo
L2007688-02A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	W19-S3-A CUSTODY	Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2007688-02A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Brittney Kelley
L2007688-02A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007688-02A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A CUSTODY	Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007688-02A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Phillip Renaud
L2007688-02A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007688-03A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W19-S3-C CUSTODY	W19-S3-C CUSTODY	Geoffry Grace
L2007688-03A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Steven Marengo
L2007688-03A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	W19-S3-A CUSTODY	Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2007688-03A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Brittney Kelley
L2007688-03A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007688-03A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A CUSTODY	Chris Tebeau	LOGIN	LOGIN	Chris Tebeau

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007688-03A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Phillip Renaud
L2007688-03A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007688-04A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W19-S3-C CUSTODY	W19-S3-C CUSTODY	Geoffry Grace
L2007688-04A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Steven Marengo
L2007688-04A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	W19-S3-A CUSTODY	Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2007688-04A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Brittney Kelley
L2007688-04A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007688-04A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A CUSTODY	Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007688-04A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Phillip Renaud
L2007688-04A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007688-05A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W19-S3-C CUSTODY	W19-S3-C CUSTODY	Geoffry Grace
L2007688-05A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Steven Marengo
L2007688-05A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	W19-S3-A CUSTODY	Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2007688-05A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Brittney Kelley
L2007688-05A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007688-05A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A CUSTODY	Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007688-05A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Phillip Renaud
L2007688-05A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007688-06A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W19-S3-C CUSTODY	W19-S3-C CUSTODY	Geoffry Grace
L2007688-06A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Steven Marengo
L2007688-06A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	W19-S3-A CUSTODY	Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2007688-06A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Brittney Kelley
L2007688-06A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007688-06A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A CUSTODY	Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007688-06A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007688-06A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007688-07A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W19-S3-C	CUSTODY W19-S3-C	CUSTODY Geoffry Grace
L2007688-07A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Steven Marengo
L2007688-07A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	W19-S3-A	CUSTODY Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2007688-07A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W19-S3-A	CUSTODY W19-S3-A	CUSTODY Brittney Kelley
L2007688-07A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2007688-07A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A	CUSTODY Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007688-07A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A	CUSTODY W19-S3-A	CUSTODY Phillip Renaud
L2007688-07A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007688-08A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W19-S3-C	CUSTODY W19-S3-C	CUSTODY Geoffry Grace
L2007688-08A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Steven Marengo
L2007688-08A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	W19-S3-A	CUSTODY Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2007688-08A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W19-S3-A	CUSTODY W19-S3-A	CUSTODY Brittney Kelley
L2007688-08A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2007688-08A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A	CUSTODY Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007688-08A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A	CUSTODY W19-S3-A	CUSTODY Phillip Renaud
L2007688-08A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007688-09A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W19-S3-C	CUSTODY W19-S3-C	CUSTODY Geoffry Grace
L2007688-09A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Steven Marengo
L2007688-09A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	W19-S3-A	CUSTODY Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2007688-09A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W19-S3-A	CUSTODY W19-S3-A	CUSTODY Brittney Kelley
L2007688-09A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2007688-09A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A	CUSTODY Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007688-09A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A	CUSTODY W19-S3-A	CUSTODY Phillip Renaud
L2007688-09A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007688-10A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W19-S3-C	CUSTODY	W19-S3-C CUSTODY Geoffry Grace
L2007688-10A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Steven Marengo
L2007688-10A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	W19-S3-A	CUSTODY Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2007688-10A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W19-S3-A	CUSTODY	W19-S3-A CUSTODY Brittney Kelley
L2007688-10A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007688-10A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W19-S3-A	CUSTODY Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007688-10A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W19-S3-A	CUSTODY	W19-S3-A CUSTODY Phillip Renaud
L2007688-10A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007688-11A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W19-S3-C	CUSTODY	W19-S3-C CUSTODY Geoffry Grace
L2007688-11A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Steven Marengo
L2007688-11A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	W19-S3-A	CUSTODY Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2007688-11A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W19-S3-A	CUSTODY	W19-S3-A CUSTODY Brittney Kelley
L2007688-11A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007688-11A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W19-S3-A	CUSTODY Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007688-11A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W19-S3-A	CUSTODY	W19-S3-A CUSTODY Phillip Renaud
L2007688-11A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007688-12A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W19-S3-C	CUSTODY	W19-S3-C CUSTODY Geoffry Grace
L2007688-12A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	ORGPREP	Steven Marengo	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Steven Marengo
L2007688-12A	Glass-A.06	INTACT	23-FEB-20	CUSTODY	W19-S3-A	CUSTODY Steven Marengo	ORGPREP	ORGPREP	Steven Marengo
L2007688-12A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W19-S3-A	CUSTODY	W19-S3-A CUSTODY Brittney Kelley
L2007688-12A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007688-12A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	W19-S3-A	CUSTODY Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007688-12A	Glass-A.06	INTACT	21-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W19-S3-A	CUSTODY	W19-S3-A CUSTODY Phillip Renaud
L2007688-12A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007688-13A	Amber-A.120	INTACT	21-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	R60-04	CUSTODY	R60-04 CUSTODY Phillip Renaud

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007688-13A Amber-A.120	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007688-13B Amber-A.120	EMPTY	23-FEB-20		ORGPREP	William Fleckenstein	CUSTODY	CUSTODY	William Fleckenstein
L2007688-13B Amber-A.120	INTACT	23-FEB-20		R60-04 CUSTODY	William Fleckenstein	ORGPREP	ORGPREP	William Fleckenstein
L2007688-13B Amber-A.120	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	R60-04 CUSTODY	R60-04 CUSTODY	Phillip Renaud
L2007688-13B Amber-A.120	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford

Methodology Review

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007688
Report Date: 02/27/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2007688

Report Date: 02/27/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2007688-01A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007688-02A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007688-03A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007688-04A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007688-05A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007688-06A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007688-07A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007688-08A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007688-09A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007688-10A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007688-11A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007688-12A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007688-13A	Amber 120ml unpreserved	A	7	7	3.1	Y	Absent		NJ-8082-LVI(7)
L2007688-13B	Amber 120ml unpreserved	A	7	7	3.1	Y	Absent		NJ-8082-LVI(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007688
Report Date: 02/27/20

**NJ DEP Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^\circ \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	NO

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007688
Report Date: 02/27/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007688
Report Date: 02/27/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

L2007688-04: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

L2007688-04: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2007688-11: One or more surrogates failed to meet the DKQP recovery limits. Please refer to the sample results and/or QC section of the report for specific details.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Report Date: 02/27/20

Title: Technical Director/Representative

Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2007688

Project Number: 277710568.0008.06

Report Date: 02/27/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedances are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2007688
Report Date: 02/27/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Organics



**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-01	Date Collected : 02/20/20 09:08
Client ID : E-118-0.5-1.0	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 23:27
Sample Matrix : SOIL	Date Extracted : 02/25/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200225a-37	Analyst : AWS
Sample Amount : 15.56 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 78
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0412	0.00366	U
11104-28-2	Aroclor 1221	ND	0.0412	0.00413	U
11141-16-5	Aroclor 1232	ND	0.0412	0.00874	U
53469-21-9	Aroclor 1242	ND	0.0412	0.00556	U
12672-29-6	Aroclor 1248	ND	0.0412	0.00619	U
11097-69-1	Aroclor 1254	ND	0.0412	0.00451	U
11096-82-5	Aroclor 1260	0.288	0.0412	0.00762	
37324-23-5	Aroclor 1262	ND	0.0412	0.00524	U
11100-14-4	Aroclor 1268	ND	0.0412	0.00427	U
1336-36-3	PCBs, Total	0.288	0.0412	0.00366	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-02	Date Collected : 02/20/20 09:20
Client ID : E-118-2.0-2.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 20:21
Sample Matrix : SOIL	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200224b-08	Analyst : CW
Sample Amount : 15.58 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 93
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0344	0.00306	U
11104-28-2	Aroclor 1221	ND	0.0344	0.00345	U
11141-16-5	Aroclor 1232	ND	0.0344	0.00730	U
53469-21-9	Aroclor 1242	ND	0.0344	0.00464	U
12672-29-6	Aroclor 1248	ND	0.0344	0.00516	U
11097-69-1	Aroclor 1254	ND	0.0344	0.00377	U
11096-82-5	Aroclor 1260	ND	0.0344	0.00636	U
37324-23-5	Aroclor 1262	ND	0.0344	0.00437	U
11100-14-4	Aroclor 1268	ND	0.0344	0.00357	U
1336-36-3	PCBs, Total	ND	0.0344	0.00306	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-03	Date Collected : 02/20/20 09:25
Client ID : E-118-3.0-3.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 20:28
Sample Matrix : SOIL	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200224b-09	Analyst : CW
Sample Amount : 15.44 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 93
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0348	0.00309	U
11104-28-2	Aroclor 1221	ND	0.0348	0.00349	U
11141-16-5	Aroclor 1232	ND	0.0348	0.00738	U
53469-21-9	Aroclor 1242	ND	0.0348	0.00469	U
12672-29-6	Aroclor 1248	ND	0.0348	0.00522	U
11097-69-1	Aroclor 1254	ND	0.0348	0.00381	U
11096-82-5	Aroclor 1260	ND	0.0348	0.00643	U
37324-23-5	Aroclor 1262	ND	0.0348	0.00442	U
11100-14-4	Aroclor 1268	ND	0.0348	0.00361	U
1336-36-3	PCBs, Total	ND	0.0348	0.00309	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-04D	Date Collected : 02/20/20 09:55
Client ID : E-117-0.5-1.0	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 16:09
Sample Matrix : SOIL	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 13200225a-11	Analyst : CW
Sample Amount : 15.76 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.725	0.0644	U
11104-28-2	Aroclor 1221	ND	0.725	0.0727	U
11141-16-5	Aroclor 1232	ND	0.725	0.154	U
53469-21-9	Aroclor 1242	ND	0.725	0.0978	U
12672-29-6	Aroclor 1248	ND	0.725	0.109	U
11097-69-1	Aroclor 1254	ND	0.725	0.0793	U
11096-82-5	Aroclor 1260	6.31	0.725	0.134	
37324-23-5	Aroclor 1262	ND	0.725	0.0921	U
11100-14-4	Aroclor 1268	ND	0.725	0.0751	U
1336-36-3	PCBs, Total	6.31	0.725	0.0644	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-05	Date Collected : 02/20/20 10:05
Client ID : E-117-2.0-2.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 20:41
Sample Matrix : SOIL	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200224b-11	Analyst : CW
Sample Amount : 15.35 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 90
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0362	0.00322	U
11104-28-2	Aroclor 1221	ND	0.0362	0.00363	U
11141-16-5	Aroclor 1232	ND	0.0362	0.00768	U
53469-21-9	Aroclor 1242	ND	0.0362	0.00488	U
12672-29-6	Aroclor 1248	ND	0.0362	0.00543	U
11097-69-1	Aroclor 1254	ND	0.0362	0.00396	U
11096-82-5	Aroclor 1260	0.0779	0.0362	0.00670	
37324-23-5	Aroclor 1262	ND	0.0362	0.00460	U
11100-14-4	Aroclor 1268	ND	0.0362	0.00375	U
1336-36-3	PCBs, Total	0.0779	0.0362	0.00322	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-06D	Date Collected : 02/20/20 10:25
Client ID : E-117-3.0-3.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 22:07
Sample Matrix : SOIL	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 19200226a-50	Analyst : AWS
Sample Amount : 15.22 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.186	0.0165	U
11104-28-2	Aroclor 1221	ND	0.186	0.0187	U
11141-16-5	Aroclor 1232	ND	0.186	0.0395	U
53469-21-9	Aroclor 1242	ND	0.186	0.0251	U
12672-29-6	Aroclor 1248	ND	0.186	0.0279	U
11097-69-1	Aroclor 1254	ND	0.186	0.0204	U
11096-82-5	Aroclor 1260	0.914	0.186	0.0344	
37324-23-5	Aroclor 1262	ND	0.186	0.0236	U
11100-14-4	Aroclor 1268	ND	0.186	0.0193	U
1336-36-3	PCBs, Total	0.914	0.186	0.0165	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-07	Date Collected : 02/20/20 10:53
Client ID : E-120-0.5-1.0	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 20:55
Sample Matrix : SOIL	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200224b-13	Analyst : CW
Sample Amount : 15.49 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0378	0.00336	U
11104-28-2	Aroclor 1221	ND	0.0378	0.00379	U
11141-16-5	Aroclor 1232	ND	0.0378	0.00802	U
53469-21-9	Aroclor 1242	ND	0.0378	0.00510	U
12672-29-6	Aroclor 1248	ND	0.0378	0.00568	U
11097-69-1	Aroclor 1254	ND	0.0378	0.00414	U
11096-82-5	Aroclor 1260	0.158	0.0378	0.00699	
37324-23-5	Aroclor 1262	ND	0.0378	0.00480	U
11100-14-4	Aroclor 1268	ND	0.0378	0.00392	U
1336-36-3	PCBs, Total	0.158	0.0378	0.00336	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007688-08 Client ID : E-120-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200224b-14 Sample Amount : 15.29 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007688 Project Number : 277710568.0008.06 Date Collected : 02/20/20 10:57 Date Received : 02/20/20 Date Analyzed : 02/24/20 21:02 Date Extracted : 02/23/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 82 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0398	0.00353	U
11104-28-2	Aroclor 1221	ND	0.0398	0.00399	U
11141-16-5	Aroclor 1232	ND	0.0398	0.00843	U
53469-21-9	Aroclor 1242	ND	0.0398	0.00536	U
12672-29-6	Aroclor 1248	ND	0.0398	0.00597	U
11097-69-1	Aroclor 1254	ND	0.0398	0.00435	U
11096-82-5	Aroclor 1260	0.130	0.0398	0.00735	
37324-23-5	Aroclor 1262	ND	0.0398	0.00505	U
11100-14-4	Aroclor 1268	ND	0.0398	0.00412	U
1336-36-3	PCBs, Total	0.130	0.0398	0.00353	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-09	Date Collected : 02/20/20 11:10
Client ID : E-120-3.0-3.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 21:09
Sample Matrix : SOIL	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200224b-15	Analyst : CW
Sample Amount : 15.61 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 83
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0387	0.00344	U
11104-28-2	Aroclor 1221	ND	0.0387	0.00388	U
11141-16-5	Aroclor 1232	ND	0.0387	0.00821	U
53469-21-9	Aroclor 1242	ND	0.0387	0.00522	U
12672-29-6	Aroclor 1248	ND	0.0387	0.00581	U
11097-69-1	Aroclor 1254	ND	0.0387	0.00424	U
11096-82-5	Aroclor 1260	0.0744	0.0387	0.00716	
37324-23-5	Aroclor 1262	ND	0.0387	0.00492	U
11100-14-4	Aroclor 1268	ND	0.0387	0.00401	U
1336-36-3	PCBs, Total	0.0744	0.0387	0.00344	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-10	Date Collected : 02/20/20 11:40
Client ID : E-125-0.5-1.0	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 21:16
Sample Matrix : SOIL	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200224b-16	Analyst : CW
Sample Amount : 15.32 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 83
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0394	0.00350	U
11104-28-2	Aroclor 1221	ND	0.0394	0.00395	U
11141-16-5	Aroclor 1232	ND	0.0394	0.00836	U
53469-21-9	Aroclor 1242	ND	0.0394	0.00531	U
12672-29-6	Aroclor 1248	ND	0.0394	0.00591	U
11097-69-1	Aroclor 1254	ND	0.0394	0.00431	U
11096-82-5	Aroclor 1260	0.0296	0.0394	0.00728	J
37324-23-5	Aroclor 1262	ND	0.0394	0.00500	U
11100-14-4	Aroclor 1268	ND	0.0394	0.00408	U
1336-36-3	PCBs, Total	0.0296	0.0394	0.00350	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-11	Date Collected : 02/20/20 12:40
Client ID : E-125-2.0-2.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 21:23
Sample Matrix : SOIL	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200224b-17	Analyst : CW
Sample Amount : 15.8 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : 80
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0398	0.00353	U
11104-28-2	Aroclor 1221	ND	0.0398	0.00398	U
11141-16-5	Aroclor 1232	ND	0.0398	0.00843	U
53469-21-9	Aroclor 1242	ND	0.0398	0.00536	U
12672-29-6	Aroclor 1248	ND	0.0398	0.00596	U
11097-69-1	Aroclor 1254	ND	0.0398	0.00435	U
11096-82-5	Aroclor 1260	0.587	0.0398	0.00735	
37324-23-5	Aroclor 1262	ND	0.0398	0.00505	U
11100-14-4	Aroclor 1268	ND	0.0398	0.00412	U
1336-36-3	PCBs, Total	0.587	0.0398	0.00353	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007688-12 Client ID : E-125-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200224b-18 Sample Amount : 15.51 g Extraction Method : EPA 3546 Extract Volume : 5000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007688 Project Number : 277710568.0008.06 Date Collected : 02/20/20 12:47 Date Received : 02/20/20 Date Analyzed : 02/24/20 21:29 Date Extracted : 02/23/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 91 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0356	0.00316	U
11104-28-2	Aroclor 1221	ND	0.0356	0.00356	U
11141-16-5	Aroclor 1232	ND	0.0356	0.00754	U
53469-21-9	Aroclor 1242	ND	0.0356	0.00480	U
12672-29-6	Aroclor 1248	ND	0.0356	0.00534	U
11097-69-1	Aroclor 1254	ND	0.0356	0.00389	U
11096-82-5	Aroclor 1260	ND	0.0356	0.00658	U
37324-23-5	Aroclor 1262	ND	0.0356	0.00452	U
11100-14-4	Aroclor 1268	ND	0.0356	0.00369	U
1336-36-3	PCBs, Total	ND	0.0356	0.00316	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-13	Date Collected : 02/20/20 14:15
Client ID : EB-10-02202020	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 14:52
Sample Matrix : WATER	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200224a-24	Analyst : AD
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1343581-1	Date Collected : NA
Client ID : WG1343581-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/24/20 16:13
Sample Matrix : WATER	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200224a-30	Analyst : AD
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1343629-1	Date Collected : NA
Client ID : WG1343629-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/24/20 21:43
Sample Matrix : SOIL	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200224b-20	Analyst : CW
Sample Amount : 15.66 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0319	0.00284	U
11104-28-2	Aroclor 1221	ND	0.0319	0.00320	U
11141-16-5	Aroclor 1232	ND	0.0319	0.00677	U
53469-21-9	Aroclor 1242	ND	0.0319	0.00430	U
12672-29-6	Aroclor 1248	ND	0.0319	0.00479	U
11097-69-1	Aroclor 1254	ND	0.0319	0.00349	U
11096-82-5	Aroclor 1260	ND	0.0319	0.00590	U
37324-23-5	Aroclor 1262	ND	0.0319	0.00405	U
11100-14-4	Aroclor 1268	ND	0.0319	0.00331	U
1336-36-3	PCBs, Total	ND	0.0319	0.00284	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1343995-1	Date Collected : NA
Client ID : WG1343995-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/25/20 12:15
Sample Matrix : SOIL	Date Extracted : 02/25/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200225a-03	Analyst : AWS
Sample Amount : 15.29 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 5000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0327	0.00290	U
11104-28-2	Aroclor 1221	ND	0.0327	0.00328	U
11141-16-5	Aroclor 1232	ND	0.0327	0.00693	U
53469-21-9	Aroclor 1242	ND	0.0327	0.00441	U
12672-29-6	Aroclor 1248	ND	0.0327	0.00490	U
11097-69-1	Aroclor 1254	ND	0.0327	0.00358	U
11096-82-5	Aroclor 1260	ND	0.0327	0.00604	U
37324-23-5	Aroclor 1262	ND	0.0327	0.00415	U
11100-14-4	Aroclor 1268	ND	0.0327	0.00339	U
1336-36-3	PCBs, Total	ND	0.0327	0.00290	U



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1343581-1	Lab File ID : P2200224a-30
Matrix : WATER	Extraction Date : 02/23/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/24/20 16:13	Analysis Date (2) : 02/24/20 16:13
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
EB-10-02202020	L2007688-13	02/24/20 14:52	02/24/20 14:52
WG1343581-2LCS	WG1343581-2	02/24/20 16:27	02/24/20 16:27
WG1343581-3LCSD	WG1343581-3	02/24/20 16:41	02/24/20 16:41



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1343629-1	Lab File ID : 19200224b-20
Matrix : SOIL	Extraction Date : 02/23/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/24/20 21:43	Analysis Date (2) : 02/24/20 21:43
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
E-118-2.0-2.5	L2007688-02	02/24/20 20:21	02/24/20 20:21
E-118-3.0-3.5	L2007688-03	02/24/20 20:28	02/24/20 20:28
E-117-2.0-2.5	L2007688-05	02/24/20 20:41	02/24/20 20:41
E-120-0.5-1.0	L2007688-07	02/24/20 20:55	02/24/20 20:55
E-120-2.0-2.5	L2007688-08	02/24/20 21:02	02/24/20 21:02
E-120-3.0-3.5	L2007688-09	02/24/20 21:09	02/24/20 21:09
E-125-0.5-1.0	L2007688-10	02/24/20 21:16	02/24/20 21:16
E-125-2.0-2.5	L2007688-11	02/24/20 21:23	02/24/20 21:23
E-125-3.0-3.5	L2007688-12	02/24/20 21:29	02/24/20 21:29
WG1343629-2LCS	WG1343629-2	02/24/20 21:50	02/24/20 21:50
WG1343629-3LCSD	WG1343629-3	02/24/20 21:57	02/24/20 21:57
E-117-0.5-1.0	L2007688-04D	02/25/20 16:09	02/25/20 16:09
E-117-3.0-3.5	L2007688-06D	02/26/20 22:07	02/26/20 22:07



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1343995-1	Lab File ID : 23200225a-03
Matrix : SOIL	Extraction Date : 02/25/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/25/20 12:15	Analysis Date (2) : 02/25/20 12:15
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1343995-2LCS	WG1343995-2	02/25/20 12:21	02/25/20 12:21
WG1343995-3LCSD	WG1343995-3	02/25/20 12:28	02/25/20 12:28
E-118-0.5-1.0	L2007688-01	02/25/20 23:27	02/25/20 23:27



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
-----ISTD-----								
1) i 1660_lbr2nb								
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
-----ISTD-----								
14) i 2154_lbr2nb								
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
-----ISTD-----								
23) i 4268_lbr2nb								
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
-----ISTD-----								
34) i 1248_lbr2nb								
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVIIi-17.d 2 =P2190806LVIIi-03.d 3 =P2190806LVIIi-04.d 4 =P2190806LVIIi-08.d
 5 =P2190806LVIIi-06.d 6 =P2190806LVIIi-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.580	1.358	1.329	1.239	1.126	1.195	1.305	12.25
3) s Decachlorobiphenyl	1.366	1.092	1.055	0.972	0.874	0.920	1.047	16.84
4) 11 1016-1	0.030	0.027	0.026	0.023	0.020	0.021	0.025	15.05
5) 11 1016-2	0.063	0.058	0.056	0.049	0.043	0.045	0.052	14.74
6) 11 1016-3	0.132	0.115	0.110	0.100	0.090	0.094	0.107	14.46
7) 11 1016-4	0.058	0.050	0.047	0.042	0.037	0.038	0.045	17.00
8) 11 1016-5	0.057	0.052	0.050	0.045	0.039	0.040	0.047	14.50
9) 12 1260-1	0.082	0.071	0.068	0.061	0.055	0.057	0.066	15.59
10) 12 1260-2	0.123	0.106	0.102	0.092	0.084	0.087	0.099	14.62
11) 12 1260-3	0.078	0.071	0.066	0.060	0.054	0.058	0.064	14.14
12) 12 1260-4	0.160	0.144	0.139	0.128	0.118	0.124	0.136	11.47
13) 12 1260-5	0.093	0.111	0.107	0.097	0.089	0.091	0.098	9.07
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.020	0.017	0.015	0.015	0.013	0.012	0.015	17.65
16) 13 1221-3	0.011	0.011	0.010	0.010	0.008	0.008	0.010	13.69
17) 13 1221-4	0.042	0.038	0.034	0.033	0.029	0.027	0.034	16.48
18) 14 1254-1	0.062	0.055	0.049	0.047	0.042	0.040	0.049	16.73
19) 14 1254-2	0.106	0.096	0.086	0.083	0.073	0.071	0.086	15.76
20) 14 1254-3	0.110	0.090	0.082	0.080	0.072	0.070	0.084	17.30
21) 14 1254-4	0.083	0.072	0.065	0.063	0.057	0.055	0.066	15.49
22) 14 1254-5	0.118	0.101	0.092	0.089	0.079	0.077	0.093	16.35
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.025	0.022	0.021	0.018	0.017	0.015	0.020	18.24
25) 16 1242-2	0.055	0.048	0.044	0.039	0.036	0.033	0.042	18.86
26) 16 1242-3	0.111	0.093	0.087	0.077	0.075	0.070	0.086	17.57
27) 16 1242-4	0.050	0.043	0.041	0.037	0.035	0.031	0.039	16.54
28) 16 1242-5	0.037	0.031	0.030	0.026	0.025	0.023	0.029	17.46
29) 19 1268-1	0.229	0.190	0.181	0.166	0.163	0.151	0.180	15.35
30) 19 1268-2	0.231	0.194	0.186	0.168	0.166	0.153	0.183	15.09
31) 19 1268-3	0.160	0.133	0.126	0.115	0.113	0.105	0.125	15.67
32) 19 1268-4	0.089	0.068	0.065	0.059	0.057	0.053	0.065	19.71
33) 19 1268-5	0.421	0.356	0.348	0.321	0.319	0.290	0.343	13.13
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.043	0.039	0.036	0.033	0.030	0.029	0.035	16.12
36) 17 1248-2	0.049	0.048	0.044	0.039	0.036	0.034	0.042	14.96



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.078	0.073	0.065	0.060	0.058	0.070	16.34
38) 17 1248-4	0.071	0.067	0.061	0.057	0.052	0.050	0.060	13.60
39) 17 1248-5	0.062	0.061	0.055	0.049	0.046	0.044	0.053	14.64
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.030	0.029	0.027	0.024	0.022	0.021	0.025	15.00
42) 15 1232-2	0.028	0.028	0.026	0.023	0.021	0.020	0.024	13.93
43) 15 1232-3	0.059	0.055	0.052	0.046	0.044	0.043	0.050	12.96
44) 15 1232-4	0.024	0.024	0.022	0.020	0.019	0.018	0.021	11.43
45) 15 1232-5	0.016	0.018	0.016	0.014	0.014	0.013	0.015	12.09
46) 18 1262-1	0.081	0.072	0.069	0.061	0.059	0.056	0.066	14.22
47) 18 1262-2	0.107	0.090	0.084	0.074	0.072	0.068	0.083	17.55
48) 18 1262-3	0.087	0.080	0.077	0.069	0.068	0.064	0.074	11.54
49) 18 1262-4	0.169	0.150	0.144	0.133	0.131	0.125	0.142	11.28
50) 18 1262-5	0.060	0.057	0.054	0.049	0.047	0.044	0.052	11.69



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.481	1.319	1.295	1.217	1.125	1.224	1.277	9.48
3) s Decachlorobip	1.275	1.122	1.094	1.019	0.936	1.017	1.077	10.84
4) 11 1016-1	0.028	0.025	0.025	0.022	0.020	0.021	0.023	13.02
5) 11 1016-2	0.056	0.057	0.056	0.048	0.043	0.045	0.051	11.93
6) 11 1016-3	0.116	0.106	0.108	0.098	0.089	0.096	0.102	9.45
7) 11 1016-4	0.046	0.044	0.045	0.039	0.034	0.036	0.041	11.95
8) 11 1016-5	0.036	0.036	0.035	0.032	0.028	0.030	0.033	10.17
9) 12 1260-1	0.075	0.071	0.070	0.065	0.059	0.063	0.067	9.23
10) 12 1260-2	0.090	0.082	0.082	0.076	0.069	0.074	0.079	9.36
11) 12 1260-3	0.075	0.074	0.072	0.066	0.061	0.065	0.069	8.28
12) 12 1260-4	0.167	0.150	0.147	0.138	0.128	0.139	0.145	9.27
13) 12 1260-5	0.113	0.106	0.104	0.097	0.088	0.095	0.101	8.80
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.016	0.014	0.014	0.012	0.011	0.014	11.49
16) 13 1221-3	0.009	0.010	0.009	0.009	0.008	0.007	0.009	11.04
17) 13 1221-4	0.034	0.035	0.032	0.033	0.029	0.027	0.031	10.09
18) 14 1254-1	0.064	0.056	0.053	0.052	0.047	0.045	0.053	12.85
19) 14 1254-2	0.071	0.066	0.062	0.060	0.054	0.051	0.061	12.28
20) 14 1254-3	0.103	0.088	0.081	0.082	0.074	0.072	0.083	13.26
21) 14 1254-4	0.074	0.065	0.060	0.060	0.054	0.052	0.061	12.82
22) 14 1254-5	0.116	0.099	0.091	0.092	0.082	0.079	0.093	14.34
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.021	0.019	0.017	0.016	0.015	0.018	12.72
25) 16 1242-2	0.048	0.044	0.042	0.039	0.035	0.033	0.040	13.60
26) 16 1242-3	0.098	0.087	0.083	0.076	0.072	0.069	0.081	13.09
27) 16 1242-4	0.031	0.029	0.028	0.026	0.024	0.023	0.027	11.68
28) 16 1242-5	0.032	0.031	0.029	0.026	0.024	0.023	0.028	13.65
29) 19 1268-1	0.223	0.199	0.188	0.180	0.173	0.166	0.188	10.92
30) 19 1268-2	0.221	0.216	0.191	0.181	0.175	0.167	0.192	11.50
31) 19 1268-3	0.155	0.135	0.129	0.123	0.119	0.114	0.129	11.34
32) 19 1268-4	0.076	0.071	0.067	0.063	0.059	0.057	0.065	10.84
33) 19 1268-5	0.427	0.373	0.365	0.355	0.344	0.324	0.365	9.61
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.034	0.032	0.029	0.029	0.033	12.92
36) 17 1248-2	0.047	0.044	0.041	0.038	0.036	0.034	0.040	12.71



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.056	0.052	0.049	0.045	0.044	0.051	10.97
38) 17 1248-4	0.061	0.063	0.058	0.054	0.051	0.050	0.056	9.27
39) 17 1248-5	0.069	0.070	0.064	0.060	0.057	0.056	0.063	9.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.027	0.025	0.023	0.021	0.021	0.024	13.92
42) 15 1232-2	0.030	0.026	0.026	0.023	0.022	0.021	0.024	13.66
43) 15 1232-3	0.052	0.051	0.048	0.044	0.042	0.041	0.046	10.00
44) 15 1232-4	0.015	0.015	0.015	0.014	0.014	0.013	0.014	7.89
45) 15 1232-5	0.016	0.015	0.015	0.014	0.014	0.013	0.014	8.16
46) 18 1262-1	0.060	0.060	0.058	0.053	0.053	0.050	0.055	7.71
47) 18 1262-2	0.090	0.087	0.082	0.075	0.074	0.071	0.080	9.98
48) 18 1262-3	0.082	0.080	0.080	0.072	0.072	0.068	0.076	7.32
49) 18 1262-4	0.160	0.150	0.149	0.138	0.138	0.132	0.144	6.99
50) 18 1262-5	0.058	0.059	0.054	0.050	0.048	0.047	0.053	10.11



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007688
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Ical Ref** : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.840	1.624	1.528	1.377	1.453	1.347	1.528	11.98
3) s Decachlorobiphenyl	1.781	1.325	1.193	1.042	1.073	0.983	*L	0.9974
4) 11 1016-1	0.036	0.031	0.030	0.026	0.026	0.023	0.029	16.24
5) 11 1016-2	0.082	0.069	0.065	0.055	0.055	0.049	0.062	19.00
6) 11 1016-3	0.149	0.129	0.121	0.107	0.110	0.100	0.119	15.01
7) 11 1016-4	0.061	0.057	0.054	0.046	0.048	0.043	0.052	13.27
8) 11 1016-5	0.068	0.058	0.056	0.049	0.050	0.044	0.054	15.63
9) 12 1260-1	0.102	0.082	0.076	0.066	0.067	0.061	0.076	19.85
10) 12 1260-2	0.154	0.126	0.116	0.101	0.103	0.093	0.115	19.31
11) 12 1260-3	0.090	0.078	0.073	0.064	0.065	0.059	0.072	15.91
12) 12 1260-4	0.200	0.162	0.150	0.135	0.141	0.131	0.153	16.62
13) 12 1260-5	0.104	0.088	0.082	0.072	0.074	0.068	0.082	16.17
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.023	0.018	0.017	0.015		0.019	15.21
16) 13 1221-2	0.010	0.014	0.011	0.010	0.010		0.011	17.65
17) 13 1221-3	0.047	0.053	0.043	0.037	0.034		0.043	18.02
18) 14 1254-1	0.074	0.078	0.060	0.051	0.048	0.041	*Q	0.9949
19) 14 1254-2	0.137	0.134	0.103	0.088	0.083	0.071	*Q	0.9953
20) 14 1254-3	0.121	0.125	0.097	0.085	0.081	0.070	*Q	0.9960
21) 14 1254-4	0.096	0.101	0.079	0.069	0.065	0.056	*Q	0.9960
22) 14 1254-5	0.140	0.139	0.109	0.095	0.090	0.078	*Q	0.9963
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.030	0.025	0.025	0.023	0.020	0.018	0.024	17.63
25) 16 1242-2	0.133	0.107	0.105	0.094	0.084	0.079	0.100	19.34
26) 16 1242-3	0.042	0.046	0.046	0.043	0.037	0.035	0.042	11.40
27) 16 1242-4	0.063	0.050	0.050	0.046	0.040	0.037	0.048	19.65
28) 16 1242-5	0.042	0.035	0.035	0.032	0.028	0.026	0.033	17.07
29) 19 1268-1	0.321	0.224	0.215	0.197	0.180	0.172	*L	0.9970
30) 19 1268-2	0.313	0.225	0.216	0.198	0.180	0.172	*L	0.9969
31) 19 1268-3	0.215	0.156	0.149	0.136	0.123	0.117	*L	0.9964
32) 19 1268-4	0.108	0.082	0.079	0.071	0.064	0.060	*L	0.9950
33) 19 1268-5	0.618	0.415	0.402	0.377	0.347	0.333	*L	0.9980
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.041	0.039	0.036	0.029	0.033	0.027	0.034	16.16
36) 17 1248-2	0.057	0.056	0.049	0.041	0.044	0.038	0.048	16.77



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.082	0.072	0.062	0.066	0.058	0.071	16.56
38) 17 1248-4	0.068	0.069	0.060	0.051	0.055	0.049	0.059	14.86
39) 17 1248-5	0.061	0.066	0.057	0.047	0.051	0.045	0.055	14.70
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.040	0.036	0.036	0.030	0.027	0.025	0.032	18.07
42) 15 1232-2	0.041	0.035	0.035	0.030	0.027	0.024	0.032	19.55
43) 15 1232-3	0.077	0.067	0.066	0.056	0.052	0.048	0.061	17.45
44) 15 1232-4	0.034	0.029	0.029	0.026	0.023	0.021	0.027	16.56
45) 15 1232-5	0.024	0.020	0.020	0.018	0.016	0.015	0.019	17.06
46) 18 1262-1	0.112	0.096	0.090	0.076	0.070		*L	0.9920
47) 18 1262-2	0.173	0.126	0.113	0.093	0.087		*L	0.9923
48) 18 1262-3	0.127	0.104	0.098	0.082	0.077		*L	0.9932
49) 18 1262-4	0.241	0.191	0.180	0.156	0.150		*L	0.9966
50) 18 1262-5	0.086	0.073	0.069	0.059	0.055		*L	0.9931



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.593	1.421	1.332	1.261	1.378	1.307	1.382	8.51
3) s Decachlorobip	1.681	1.312	1.188	1.080	1.145	1.076	1.247	18.42
4) 11 1016-1	0.031	0.028	0.027	0.024	0.025	0.022	0.026	11.60
5) 11 1016-2	0.072	0.064	0.059	0.053	0.055	0.050	0.059	13.55
6) 11 1016-3	0.138	0.118	0.114	0.104	0.111	0.103	0.115	11.12
7) 11 1016-4	0.055	0.047	0.045	0.041	0.043	0.039	0.045	12.58
8) 11 1016-5	0.045	0.038	0.038	0.035	0.036	0.033	0.038	11.16
9) 12 1260-1	0.099	0.079	0.076	0.068	0.071	0.066	0.077	15.38
10) 12 1260-2	0.117	0.095	0.088	0.080	0.084	0.079	0.091	15.45
11) 12 1260-3	0.096	0.080	0.076	0.069	0.073	0.068	0.077	13.68
12) 12 1260-4	0.193	0.162	0.153	0.142	0.154	0.147	0.158	11.41
13) 12 1260-5	0.137	0.116	0.111	0.101	0.107	0.101	0.112	12.25
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.021	0.016	0.015	0.014		0.017	16.92
16) 13 1221-2	0.013	0.013	0.011	0.010	0.009		0.011	15.13
17) 13 1221-3	0.047	0.048	0.039	0.035	0.033		0.040	17.44
18) 14 1254-1	0.074	0.079	0.063	0.056	0.054	0.050	*L	0.9924
19) 14 1254-2	0.092	0.094	0.072	0.064	0.062	0.057	*L	0.9920
20) 14 1254-3	0.114	0.120	0.096	0.085	0.084	0.079	*L	0.9945
21) 14 1254-4	0.087	0.092	0.072	0.065	0.064	0.060	*L	0.9940
22) 14 1254-5	0.124	0.132	0.105	0.094	0.092	0.086	*L	0.9940
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.027	0.022	0.023	0.021	0.019	0.017	0.022	16.41
25) 16 1242-2	0.063	0.051	0.051	0.048	0.042	0.039	0.049	17.68
26) 16 1242-3	0.123	0.095	0.096	0.090	0.082	0.079	0.094	16.48
27) 16 1242-4	0.042	0.033	0.033	0.033	0.028	0.026	0.033	16.88
28) 16 1242-5	0.039	0.032	0.033	0.031	0.028	0.026	0.031	13.91
29) 19 1268-1	0.301	0.217	0.218	0.205	0.193	0.190	*L	0.9992
30) 19 1268-2	0.287	0.215	0.217	0.203	0.190	0.187	*L	0.9989
31) 19 1268-3	0.200	0.149	0.147	0.138	0.129	0.127	*L	0.9989
32) 19 1268-4	0.110	0.077	0.077	0.073	0.066	0.064	*L	0.9978
33) 19 1268-5	0.589	0.413	0.413	0.403	0.382	0.382	*L	0.9997
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.032	0.029	0.031	0.028	0.033	13.55
36) 17 1248-2	0.050	0.048	0.043	0.037	0.040	0.035	0.042	13.89



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.061	0.059	0.053	0.045	0.049	0.044	0.052	13.69
38) 17 1248-4	0.065	0.064	0.058	0.050	0.056	0.050	0.057	11.36
39) 17 1248-5	0.072	0.072	0.064	0.056	0.061	0.056	0.063	11.30
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.039	0.033	0.032	0.028	0.026	0.024	0.030	18.61
42) 15 1232-2	0.039	0.034	0.034	0.029	0.027	0.025	0.031	17.27
43) 15 1232-3	0.071	0.059	0.060	0.053	0.050	0.047	0.057	15.18
44) 15 1232-4	0.023	0.020	0.019	0.017	0.016	0.015	0.018	15.25
45) 15 1232-5	0.021	0.019	0.018	0.017	0.016	0.015	0.017	13.01
46) 18 1262-1	0.090	0.077	0.074	0.064	0.060		0.073	16.26
47) 18 1262-2	0.127	0.106	0.102	0.088	0.085		0.102	16.62
48) 18 1262-3	0.121	0.101	0.097	0.085	0.081		0.097	16.30
49) 18 1262-4	0.219	0.185	0.178	0.159	0.156		0.179	14.09
50) 18 1262-5	0.079	0.068	0.068	0.058	0.056		0.066	14.02



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.210	1.098	1.123	1.137	1.136	1.150	1.142	3.30
3) s Decachlorobiphenyl	0.939	0.777	0.786	0.803	0.793	0.793	0.815	7.51
4) 11 1016-1	0.025	0.020	0.019	0.018	0.017	0.016	*L	0.9984
5) 11 1016-2	0.055	0.043	0.042	0.039	0.038	0.037	*L	0.9994
6) 11 1016-3	0.099	0.083	0.084	0.083	0.082	0.084	*L	0.9998
7) 11 1016-4	0.045	0.036	0.035	0.034	0.033	0.033	*L	0.9999
8) 11 1016-5	0.046	0.039	0.037	0.036	0.035	0.035	*L	0.9999
9) 12 1260-1	0.067	0.055	0.054	0.054	0.052	0.053	0.056	9.83
10) 12 1260-2	0.099	0.083	0.082	0.082	0.080	0.081	0.084	8.66
11) 12 1260-3	0.068	0.054	0.052	0.053	0.052	0.053	0.055	11.65
12) 12 1260-4	0.139	0.123	0.124	0.124	0.123	0.123	0.126	5.01
13) 12 1260-5	0.092	0.079	0.078	0.080	0.079	0.082	0.082	6.33
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.012	0.013	0.012	0.010	0.011		0.012	10.94
16) 13 1221-3	0.008	0.008	0.007	0.006	0.006		0.007	13.34
17) 13 1221-4	0.032	0.031	0.027	0.023	0.024		0.027	14.58
18) 14 1254-1	0.047	0.046	0.041	0.036	0.039	0.037	0.041	10.70
19) 14 1254-2	0.078	0.079	0.071	0.064	0.070	0.065	0.071	8.80
20) 14 1254-3	0.073	0.078	0.071	0.065	0.072	0.066	0.071	6.46
21) 14 1254-4	0.055	0.059	0.054	0.049	0.055	0.052	0.054	5.79
22) 14 1254-5	0.078	0.083	0.076	0.070	0.077	0.073	0.076	6.06
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.013	0.015	13.66
25) 16 1242-2	0.041	0.034	0.034	0.031	0.030	0.029	0.033	13.50
26) 16 1242-3	0.075	0.065	0.067	0.064	0.066	0.064	0.067	6.37
27) 16 1242-4	0.037	0.031	0.031	0.030	0.029	0.029	0.031	9.48
28) 16 1242-5	0.024	0.021	0.021	0.021	0.021	0.021	0.022	5.80
29) 19 1268-1	0.158	0.145	0.150	0.146	0.150	0.142	0.148	3.90
30) 19 1268-2	0.159	0.148	0.152	0.153	0.156	0.151	0.153	2.60
31) 19 1268-3	0.103	0.094	0.097	0.098	0.101	0.099	0.099	3.09
32) 19 1268-4	0.047	0.044	0.045	0.045	0.047	0.047	0.046	3.30
33) 19 1268-5	0.283	0.267	0.276	0.273	0.278	0.262	0.273	2.77
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.025	0.022	0.021	0.020	0.022	0.021	0.022	8.34
36) 17 1248-2	0.040	0.033	0.031	0.029	0.031	0.029	0.032	12.15



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.045	0.037	0.036	0.035	0.038	0.035	0.038	10.38
38) 17 1248-4	0.045	0.040	0.040	0.039	0.043	0.039	0.041	6.08
39) 17 1248-5	0.045	0.041	0.038	0.037	0.039	0.036	0.039	8.39
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.026	0.022	0.021	0.020	0.019	0.017	0.021	14.84
42) 15 1232-2	0.026	0.021	0.021	0.019	0.019	0.017	0.021	14.45
43) 15 1232-3	0.047	0.041	0.040	0.040	0.040	0.038	0.041	7.27
44) 15 1232-4	0.020	0.018	0.018	0.017	0.017	0.016	0.018	9.68
45) 15 1232-5	0.013	0.012	0.012	0.011	0.012	0.011	0.012	4.71
46) 18 1262-1	0.066	0.057	0.056	0.056	0.057	0.054	0.058	7.25
47) 18 1262-2	0.084	0.073	0.072	0.072	0.072	0.068	0.074	7.48
48) 18 1262-3	0.074	0.065	0.064	0.065	0.065	0.062	0.066	6.18
49) 18 1262-4	0.140	0.132	0.135	0.138	0.139	0.130	0.136	2.95
50) 18 1262-5	0.041	0.038	0.038	0.039	0.040	0.039	0.039	2.48



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Signal #2 Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.284	1.149	1.155	1.142	1.141	1.135	1.168	4.92
3) s Decachlorobip	0.766	0.655	0.641	0.644	0.649	0.663	0.670	7.15
4) 11 1016-1	0.023	0.020	0.019	0.018	0.017	0.016	0.019	13.06
5) 11 1016-2	0.052	0.045	0.043	0.040	0.039	0.038	0.043	11.96
6) 11 1016-3	0.101	0.090	0.087	0.086	0.083	0.082	0.088	7.82
7) 11 1016-4	0.037	0.037	0.032	0.032	0.031	0.031	0.034	8.99
8) 11 1016-5	0.031	0.029	0.027	0.027	0.027	0.027	0.028	6.22
9) 12 1260-1	0.062	0.056	0.054	0.053	0.052	0.052	0.055	7.41
10) 12 1260-2	0.073	0.067	0.064	0.063	0.061	0.062	0.065	6.81
11) 12 1260-3	0.058	0.054	0.052	0.051	0.051	0.051	0.053	5.26
12) 12 1260-4	0.120	0.108	0.107	0.107	0.106	0.106	0.109	5.04
13) 12 1260-5	0.077	0.069	0.069	0.069	0.069	0.071	0.071	4.78
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.012	0.013	0.012	0.010	0.011		0.011	8.78
16) 13 1221-3	0.007	0.008	0.007	0.006	0.007		0.007	9.40
17) 13 1221-4	0.030	0.030	0.027	0.023	0.024		0.027	12.22
18) 14 1254-1	0.049	0.051	0.046	0.041	0.045	0.040	0.045	9.87
19) 14 1254-2	0.039	0.042	0.038	0.034	0.038	0.035	0.038	7.66
20) 14 1254-3	0.078	0.084	0.076	0.068	0.075	0.067	0.074	8.44
21) 14 1254-4	0.050	0.056	0.051	0.045	0.050	0.046	0.050	7.94
22) 14 1254-5	0.084	0.082	0.073	0.065	0.072	0.066	0.074	10.74
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.012	0.015	12.30
25) 16 1242-2	0.041	0.035	0.035	0.032	0.031	0.029	0.034	12.05
26) 16 1242-3	0.077	0.068	0.071	0.067	0.066	0.064	0.069	6.64
27) 16 1242-4	0.026	0.023	0.023	0.022	0.022	0.021	0.023	6.95
28) 16 1242-5	0.023	0.021	0.021	0.020	0.021	0.020	0.021	4.07
29) 19 1268-1	0.143	0.125	0.131	0.126	0.128	0.125	0.130	5.38
30) 19 1268-2	0.146	0.130	0.137	0.133	0.134	0.132	0.135	4.31
31) 19 1268-3	0.092	0.081	0.086	0.083	0.085	0.085	0.085	4.52
32) 19 1268-4	0.039	0.037	0.042	0.039	0.039	0.040	0.039	4.23
33) 19 1268-5	0.243	0.217	0.233	0.226	0.226	0.192	0.223	7.75
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.025	0.023	0.022	0.021	0.023	0.021	0.023	7.35
36) 17 1248-2	0.035	0.031	0.029	0.028	0.029	0.026	0.030	9.91



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Signal #2 Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.043	0.038	0.036	0.035	0.037	0.033	0.037	8.90
38) 17 1248-4	0.045	0.040	0.039	0.038	0.040	0.037	0.040	7.23
39) 17 1248-5	0.054	0.048	0.045	0.044	0.046	0.042	0.047	8.98
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.024	0.022	0.022	0.020	0.019	0.017	0.021	12.53
42) 15 1232-2	0.024	0.022	0.022	0.021	0.020	0.018	0.021	10.28
43) 15 1232-3	0.046	0.042	0.042	0.041	0.041	0.038	0.042	6.40
44) 15 1232-4	0.015	0.013	0.013	0.012	0.012	0.012	0.013	7.77
45) 15 1232-5	0.012	0.011	0.012	0.011	0.011	0.011	0.011	3.51
46) 18 1262-1	0.051	0.048	0.048	0.046	0.046	0.043	0.047	5.42
47) 18 1262-2	0.071	0.069	0.066	0.066	0.063	0.062	0.066	5.25
48) 18 1262-3	0.066	0.061	0.061	0.059	0.059	0.056	0.060	5.06
49) 18 1262-4	0.121	0.114	0.114	0.113	0.112	0.106	0.113	4.41
50) 18 1262-5	0.036	0.036	0.036	0.035	0.036	0.035	0.036	0.96



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/24/20 08:52
Lab File ID : P2200224a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1343754-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	127	0
2,4,5,6-Tetrachloro-m-xylene	16	15.179	-	5.1	20	122	0
Decachlorobiphenyl	32	27.437	-	14.3	20	115	0
1016-1	250	236.897	-	5.2	20	125	-.01
1016-2	250	240.108	-	4	20	123	0
1016-3	250	229.831	-	8.1	20	125	-.01
1016-4	250	248.097	-	0.8	20	128	-.01
1016-5	250	252.839	-	-1.1	20	129	-.01
1260-1	250	227.555	-	9	20	121	-.01
1260-2	250	233.996	-	6.4	20	122	0
1260-3	250	225.16	-	9.9	20	120	0
1260-4	250	232.835	-	6.9	20	123	0
1260-5	250	217.663	-	12.9	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/24/20 08:52
Lab File ID : P2200224a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1343754-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	101	0
2,4,5,6-Tetrachloro-m-xylene	16	15.737	-	1.6	20	104	-.01
Decachlorobiphenyl #2	32	31.541	-	1.4	20	109	-.01
1016-1 #2	250	245.622	-	1.8	20	106	-.01
1016-2 #2	250	254.27	-	-1.7	20	108	-.01
1016-3 #2	250	244.719	-	2.1	20	105	-.01
1016-4 #2	250	252.282	-	-0.9	20	104	-.01
1016-5 #2	250	241.738	-	3.3	20	103	-.01
1260-1 #2	250	250.092	-	-0	20	114	0
1260-2 #2	250	259.96	-	-4	20	116	0
1260-3 #2	250	259.473	-	-3.8	20	115	0
1260-4 #2	250	255.331	-	-2.1	20	112	0
1260-5 #2	250	233.929	-	6.4	20	108	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/24/20 15:19
Lab File ID : P2200224a-26	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1343754-5	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	138	0
2,4,5,6-Tetrachloro-m-xylene	16	14.925	-	6.7	20	130	0
Decachlorobiphenyl	32	27.35	-	14.5	20	125	0
1016-1	250	242.872	-	2.9	20	139	0
1016-2	250	238.697	-	4.5	20	133	0
1016-3	250	231.612	-	7.4	20	137	0
1016-4	250	249.484	-	0.2	20	140	0
1016-5	250	249.838	-	0.1	20	139	-.01
1260-1	250	225.51	-	9.8	20	130	0
1260-2	250	230.157	-	7.9	20	131	0
1260-3	250	220.956	-	11.6	20	127	0
1260-4	250	225.86	-	9.7	20	130	0
1260-5	250	211.376	-	15.4	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/24/20 15:19
Lab File ID : P2200224a-26	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1343754-5	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	111	0
2,4,5,6-Tetrachloro-m-xylen	16	15.242	-	4.7	20	111	0
Decachlorobiphenyl #2	32	31.326	-	2.1	20	119	-.01
1016-1 #2	250	238.028	-	4.8	20	113	0
1016-2 #2	250	244.178	-	2.3	20	114	0
1016-3 #2	250	235.352	-	5.9	20	111	0
1016-4 #2	250	243.352	-	2.7	20	110	0
1016-5 #2	250	236.416	-	5.4	20	111	0
1260-1 #2	250	246.522	-	1.4	20	123	0
1260-2 #2	250	252.129	-	-0.9	20	124	0
1260-3 #2	250	251.414	-	-0.6	20	122	0
1260-4 #2	250	249.688	-	0.1	20	120	0
1260-5 #2	250	230.902	-	7.6	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/24/20 19:00
Lab File ID : 19200224b-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1343938-1	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	64	0
2,4,5,6-Tetrachloro-m-xylene	160	153.369	-	4.1	20	65	0
Decachlorobiphenyl	320	305.557	-	4.5	20	66	0
1016-1	2500	2255.536	-	9.8	20	61	0
1016-2	2500	2282.068	-	8.7	20	62	0
1016-3	2500	2315.351	-	7.4	20	63	0
1016-4	2500	2215.32	-	11.4	20	61	0
1016-5	2500	2260.025	-	9.6	20	60	0
1260-1	2500	2278.142	-	8.9	20	63	0
1260-2	2500	2331.045	-	6.8	20	64	0
1260-3	2500	2367.198	-	5.3	20	65	0
1260-4	2500	2459.332	-	1.6	20	67	0
1260-5	2500	2467.684	-	1.3	20	64	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/24/20 19:00
Lab File ID : 19200224b-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1343938-1	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	107	0
2,4,5,6-Tetrachloro-m-xylene	160	147.576	-	7.8	20	103	0
Decachlorobiphenyl #2	320	291.702	-	8.8	20	103	-.01
1016-1 #2	2500	2302.25	-	7.9	20	103	0
1016-2 #2	2500	2280.484	-	8.8	20	104	0
1016-3 #2	2500	2334.695	-	6.6	20	104	0
1016-4 #2	2500	2248.593	-	10.1	20	101	0
1016-5 #2	2500	2264.403	-	9.4	20	100	0
1260-1 #2	2500	2175.653	-	13	20	97	-.01
1260-2 #2	2500	2274.381	-	9	20	101	-.01
1260-3 #2	2500	2278.938	-	8.8	20	101	-.01
1260-4 #2	2500	2312.334	-	7.5	20	104	-.01
1260-5 #2	2500	2318.335	-	7.3	20	103	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/25/20 08:40
Lab File ID : 23200225a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1344117-1	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	82	0
2,4,5,6-Tetrachloro-m-xylene	160	153.618	-	4	15	87	0
Decachlorobiphenyl	320	362.769	-	-13.4	15	93	0
1016-1	2500	2574.981	-	-3	15	93	0
1016-2	2500	2487.107	-	0.5	15	92	0
1016-3	2500	2486.038	-	0.6	15	91	0
1016-4	2500	2503.13	-	-0.1	15	92	0
1016-5	2500	2540.039	-	-1.6	15	91	0
1260-1	2500	2497.917	-	0.1	15	94	0
1260-2	2500	2498.658	-	0.1	15	94	0
1260-3	2500	2545.202	-	-1.8	15	94	0
1260-4	2500	2536.165	-	-1.4	15	95	0
1260-5	2500	2541.086	-	-1.6	15	94	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 02/25/20 08:40
Lab File ID : 23200225a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1344117-1	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	99	0
2,4,5,6-Tetrachloro-m-xylene	160	161.287	-	-0.8	15	110	0
Decachlorobiphenyl #2	320	287	-	10.3	15	103	0
1016-1 #2	2500	2715.259	-	-8.6	15	116	0
1016-2 #2	2500	2608.551	-	-4.3	15	114	0
1016-3 #2	2500	2563.869	-	-2.6	15	112	0
1016-4 #2	2500	2622.143	-	-4.9	15	114	0
1016-5 #2	2500	2627.401	-	-5.1	15	113	0
1260-1 #2	2500	2512.719	-	-0.5	15	112	0
1260-2 #2	2500	2488.996	-	0.4	15	112	0
1260-3 #2	2500	2532.606	-	-1.3	15	112	0
1260-4 #2	2500	2492.482	-	0.3	15	110	0
1260-5 #2	2500	2491.593	-	0.3	15	110	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 02/25/20 12:57
Lab File ID : 13200225a-03	Init. Calib. Date(s) : 02/21/20 02/21/20
Sample No : WG1344217-1	Init. Calib. Times : 00:15 06:08
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	89	0
2,4,5,6-Tetrachloro-m-xylene	160	144.225	-	9.9	20	80	0
Decachlorobiphenyl	320	258.906	-	19.1	20	73	0
1016-1	2500	2438.518	-	2.5	20	83	0
1016-2	2500	2461.105	-	1.6	20	85	0
1016-3	2500	2402.024	-	3.9	20	86	0
1016-4	2500	2371.983	-	5.1	20	83	0
1016-5	2500	2336.313	-	6.5	20	82	0
1260-1	2500	2173.655	-	13.1	20	80	0
1260-2	2500	2209.534	-	11.6	20	81	0
1260-3	2500	2105.929	-	15.8	20	78	0
1260-4	2500	2220.722	-	11.2	20	80	0
1260-5	2500	2169.197	-	13.2	20	79	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 02/25/20 12:57
Lab File ID : 13200225a-03	Init. Calib. Date(s) : 02/21/20 02/21/20
Sample No : WG1344217-1	Init. Calib. Times : 00:15 06:08
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	86	0
2,4,5,6-Tetrachloro-m-xylene	160	144.585	-	9.6	20	79	0
Decachlorobiphenyl #2	320	255.629	-	20.1*	20	71	0
1016-1 #2	2500	2254.077	-	9.8	20	81	0
1016-2 #2	2500	2273.282	-	9.1	20	82	0
1016-3 #2	2500	2279.608	-	8.8	20	80	0
1016-4 #2	2500	2171.676	-	13.1	20	77	0
1016-5 #2	2500	2121.845	-	15.1	20	74	0
1260-1 #2	2500	2103.247	-	15.9	20	75	0
1260-2 #2	2500	2130.373	-	14.8	20	75	0
1260-3 #2	2500	2087.278	-	16.5	20	74	0
1260-4 #2	2500	2130.237	-	14.8	20	74	0
1260-5 #2	2500	2070.392	-	17.2	20	73	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/25/20 13:11
Lab File ID : 19200225a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1344121-2	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
i 1660_1br2nb	250	250	-	0	20	72	0
s 2,4,5,6-Tetrachloro-m-x	160	146.609	-	8.4	20	69	0
s Decachlorobiphenyl	320	263.908	-	17.5	20	64	0
I1 1016-1	2500	2162.185	-	13.5	20	66	0
I1 1016-2	2500	2188.247	-	12.5	20	67	0
I1 1016-3	2500	2232.092	-	10.7	20	69	0
I1 1016-4	2500	2212.67	-	11.5	20	68	0
I1 1016-5	2500	2181.66	-	12.7	20	65	0
I2 1260-1	2500	2143.03	-	14.3	20	66	0
1260-2	2500	2182.387	-	12.7	20	67	0
1260-3	2500	2178.452	-	12.9	20	68	0
1260-4	2500	2247.239	-	10.1	20	68	0
1260-5	2500	2248.708	-	10.1	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/25/20 13:11
Lab File ID : 19200225a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1344121-2	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	117	0
2,4,5,6-Tetrachloro-m-xylene	160	141.301	-	11.7	20	108	0
Decachlorobiphenyl #2	320	256.825	-	19.7	20	99	0
1016-1 #2	2500	2261.133	-	9.6	20	111	0
1016-2 #2	2500	2206.737	-	11.7	20	110	0
1016-3 #2	2500	2254.121	-	9.8	20	110	0
1016-4 #2	2500	2197.278	-	12.1	20	108	0
1016-5 #2	2500	2192.962	-	12.3	20	106	0
1260-1 #2	2500	2128.252	-	14.9	20	104	0
1260-2 #2	2500	2157.233	-	13.7	20	105	0
1260-3 #2	2500	2142.733	-	14.3	20	104	0
1260-4 #2	2500	2088.758	-	16.4	20	103	0
1260-5 #2	2500	2109.363	-	15.6	20	103	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/26/20 20:54
Lab File ID : 19200226a-44	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1344516-3	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	69	0
2,4,5,6-Tetrachloro-m-xylene	160	149.635	-	6.5	20	67	0
Decachlorobiphenyl	320	267.171	-	16.5	20	62	0
1016-1	2500	2212.167	-	11.5	20	64	0
1016-2	2500	2226.423	-	10.9	20	65	0
1016-3	2500	2265.995	-	9.4	20	66	0
1016-4	2500	2231.394	-	10.7	20	66	0
1016-5	2500	2254.403	-	9.8	20	64	0
1260-1	2500	2226.024	-	11	20	66	0
1260-2	2500	2231.202	-	10.8	20	66	0
1260-3	2500	2237.964	-	10.5	20	66	0
1260-4	2500	2292.165	-	8.3	20	66	0
1260-5	2500	2308.438	-	7.7	20	64	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/26/20 20:54
Lab File ID : 19200226a-44	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1344516-3	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	111	0
2,4,5,6-Tetrachloro-m-xylene	160	146.073	-	8.7	20	106	0
Decachlorobiphenyl #2	320	243.279	-	24*	20	89	0
1016-1 #2	2500	2296.3	-	8.1	20	107	0
1016-2 #2	2500	2292.403	-	8.3	20	108	0
1016-3 #2	2500	2326.177	-	7	20	107	0
1016-4 #2	2500	2289.278	-	8.4	20	107	0
1016-5 #2	2500	2295.939	-	8.2	20	105	0
1260-1 #2	2500	2094.935	-	16.2	20	97	0
1260-2 #2	2500	2187.337	-	12.5	20	101	0
1260-3 #2	2500	2160.491	-	13.6	20	100	0
1260-4 #2	2500	2125.021	-	15	20	99	0
1260-5 #2	2500	2097.855	-	16.1	20	97	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007688
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279800-1	01/29/20 18:49
1242/1268 L2	R1279800-2	01/29/20 18:56
1242/1268 L3	R1279800-4	01/29/20 19:02
1242/1268 L4	R1279800-3	01/29/20 19:09
1242/1268 L5	R1279800-6	01/29/20 19:16
1242/1268 L6	R1279800-5	01/29/20 19:23
1232/1262 L1	R1279800-7	01/29/20 19:30
1232/1262 L2	R1279800-8	01/29/20 19:37
1232/1262 L3	R1279800-9	01/29/20 19:43
1232/1262 L4	R1279800-10	01/29/20 19:50
1232/1262 L5	R1279800-12	01/29/20 19:57
1232 L6	R1279800-11	01/29/20 20:04
1248 L1	R1279800-14	01/29/20 20:10
1248 L2	R1279800-13	01/29/20 20:17
1248 L3	R1279800-16	01/29/20 20:24
1248 L4	R1279800-15	01/29/20 20:31
1248 L5	R1279800-18	01/29/20 20:37
1248 L6	R1279800-17	01/29/20 20:44
1221/1254 L1	R1279800-19	01/29/20 20:51
1221/1254 L2	R1279800-20	01/29/20 20:58
1221/1254 L4	R1279800-22	01/29/20 21:11
1221/1254 L5	R1279800-23	01/29/20 21:18
1254 L6	R1279800-21	01/29/20 21:25
1016/1260 L1	R1279800-24	01/29/20 21:32
1016/1260 L2	R1279800-25	01/29/20 21:38
1016/1260 L3	R1279800-27	01/29/20 21:45
1016/1260 L4	R1279800-26	01/29/20 21:52
1016/1260 L5	R1279800-28	01/29/20 21:58
1016/1260 L6	R1279800-29	01/29/20 22:05
R1279800-30 ICV	R1279800-30	01/29/20 22:12
R1279800-31 ICV	R1279800-31	01/29/20 22:19
R1279800-33 ICV	R1279800-33	01/29/20 22:25
R1279800-32 ICV	R1279800-32	01/29/20 22:39
1221/1254 L3	R1279800-35	01/30/20 22:53
R1279800-34 ICV	R1279800-34	01/30/20 23:00
WG1344117-1 CCAL	WG1344117-1	02/25/20 08:40
WG1343995-1 BLANK	WG1343995-1	02/25/20 12:15
WG1343995-2 LCS	WG1343995-2	02/25/20 12:21
WG1343995-3 LCSD	WG1343995-3	02/25/20 12:28



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007688
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST13 **Initial Calib. Date(s)** : 02/21/20 02/21/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1287789-2	02/21/20 00:15
1242/1268 L2	R1287789-1	02/21/20 00:27
1242/1268 L3	R1287789-3	02/21/20 00:40
1242/1268 L4	R1287789-5	02/21/20 00:52
1242/1268 L5	R1287789-4	02/21/20 01:04
1242/1268 L6	R1287789-6	02/21/20 01:16
1232/1262 L1	R1287789-8	02/21/20 01:28
1232/1262 L2	R1287789-7	02/21/20 01:40
1232/1262 L3	R1287789-9	02/21/20 01:53
1232/1262 L4	R1287789-10	02/21/20 02:05
1232/1262 L5	R1287789-13	02/21/20 02:17
1232/1262 L6	R1287789-11	02/21/20 02:29
1248 L1	R1287789-12	02/21/20 02:41
1248 L2	R1287789-16	02/21/20 02:54
1248 L3	R1287789-14	02/21/20 03:06
1248 L4	R1287789-15	02/21/20 03:18
1248 L5	R1287789-17	02/21/20 03:30
1248 L6	R1287789-18	02/21/20 03:42
1221/1254 L1	R1287789-19	02/21/20 03:54
1221/1254 L2	R1287789-21	02/21/20 04:07
1221/1254 L3	R1287789-20	02/21/20 04:19
1221/1254 L4	R1287789-23	02/21/20 04:31
1221/1254 L5	R1287789-22	02/21/20 04:43
1254 L6	R1287789-24	02/21/20 04:55
1016/1260 L1	R1287789-25	02/21/20 05:07
1016/1260 L2	R1287789-27	02/21/20 05:20
1016/1260 L3	R1287789-26	02/21/20 05:32
1016/1260 L4	R1287789-29	02/21/20 05:44
1016/1260 L5	R1287789-28	02/21/20 05:56
1016/1260 L6	R1287789-30	02/21/20 06:08
R1287789-31 ICV	R1287789-31	02/21/20 06:20
R1287789-32 ICV	R1287789-32	02/21/20 06:33
R1287789-33 ICV	R1287789-33	02/21/20 06:45
R1287789-34 ICV	R1287789-34	02/21/20 06:57
R1287789-35 ICV	R1287789-35	02/21/20 07:09
WG1344217-1 CCAL	WG1344217-1	02/25/20 12:57
E-117-0.5-1.0	L2007688-04 D	02/25/20 16:09



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2007688
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1343754-1 CCAL	WG1343754-1	02/24/20 08:52
EB-10-02202020	L2007688-13	02/24/20 14:52
WG1343754-5 CCAL	WG1343754-5	02/24/20 15:19
WG1343581-1 BLANK	WG1343581-1	02/24/20 16:13
WG1343581-2 LCS	WG1343581-2	02/24/20 16:27
WG1343581-3 LCSD	WG1343581-3	02/24/20 16:41



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2007688
 Project Number: 277710568.0008.06
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-10-02202020 (L2007688-13)	67	68	52	65			0
WG1343581-1BLANK	58	58	57	71			0
WG1343581-2LCS	66	67	70	81			0
WG1343581-3LCSD	63	66	66	77			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2007688
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-118-0.5-1.0 (L2007688-01)	64	63	64	63			0
E-118-2.0-2.5 (L2007688-02)	66	65	68	63			0
E-118-3.0-3.5 (L2007688-03)	55	54	57	53			0
E-117-0.5-1.0 (L2007688-04D)	0*	0*	0*	0*			4
E-117-2.0-2.5 (L2007688-05)	46	45	48	47			0
E-117-3.0-3.5 (L2007688-06D)	47	47	38	49			0
E-120-0.5-1.0 (L2007688-07)	44	43	49	47			0
E-120-2.0-2.5 (L2007688-08)	32	30	33	32			0
E-120-3.0-3.5 (L2007688-09)	37	35	39	36			0
E-125-0.5-1.0 (L2007688-10)	35	34	36	35			0
E-125-2.0-2.5 (L2007688-11)	30	29*	33	31			1
E-125-3.0-3.5 (L2007688-12)	54	53	58	54			0
WG1343629-1BLANK	50	50	51	48			0
WG1343629-2LCS	51	51	52	49			0
WG1343629-3LCSD	57	56	57	54			0
WG1343995-1BLANK	75	81	101	78			0
WG1343995-2LCS	72	76	93	72			0
WG1343995-3LCSD	68	73	89	69			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
 (30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007688
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : WATER
 LCS Sample ID : WG1343581-2 Analysis Date : 02/24/20 16:27 File ID : P2200224a-31
 LCSD Sample ID : WG1343581-3 Analysis Date : 02/24/20 16:41 File ID : P2200224a-32

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	1.24	69	1.78	1.32	74	6	40-140	20
Aroclor 1260	1.78	1.08	61	1.78	1.18	66	9	40-140	20



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007688
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1343629-2 Analysis Date : 02/24/20 21:50 File ID : 19200224b-21
 LCSD Sample ID : WG1343629-3 Analysis Date : 02/24/20 21:57 File ID : 19200224b-22

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.199	0.111	56	0.199	0.124	62	10	40-140	30
Aroclor 1260	0.199	0.108	54	0.199	0.119	60	11	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007688
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1343995-2 Analysis Date : 02/25/20 12:21 File ID : 23200225a-04
 LCSD Sample ID : WG1343995-3 Analysis Date : 02/25/20 12:28 File ID : 23200225a-05

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.206	0.183	89	0.201	0.169	84	6	40-140	30
Aroclor 1260	0.206	0.170	82	0.201	0.158	79	4	40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007688-01	
Client ID : E-118-0.5-1.0	
Date Analyzed (1) : 02/25/20 23:27	Date Analyzed (2) : 02/25/20 23:27
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.59	2.52	2.62	0.265		
	2	2.73	2.66	2.76	0.305		
COLUMN 1	3	3.08	3.00	3.10	0.282		
	4	3.25	3.17	3.27	0.288		
	5	3.41	3.33	3.43	0.3	0.288	
COLUMN 2	1	2.96	2.90	3.00	0.256		
	2	3.07	3.01	3.11	0.314		
	3	3.49	3.43	3.53	0.249		
	4	3.63	3.57	3.67	0.274		
	5	3.84	3.78	3.88	0.274	0.274	5



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007688-04D	
Client ID : E-117-0.5-1.0	
Date Analyzed (1) : 02/25/20 16:09	Date Analyzed (2) : 02/25/20 16:09
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.81	4.77	4.87	5.45		
	2	5.02	4.97	5.07	6.63		
COLUMN 1	3	5.48	5.43	5.53	5.65		
	4	5.69	5.64	5.74	6.75		
	5	5.89	5.84	5.94	7.05	6.31	
COLUMN 2	1	5.19	5.14	5.24	5.15		
	2	5.34	5.29	5.39	6.34		
	3	5.86	5.81	5.91	6.05		
	4	6.03	5.98	6.08	6.42		
	5	6.27	6.22	6.32	6.65	6.12	3



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007688-05	
Client ID : E-117-2.0-2.5	
Date Analyzed (1) : 02/24/20 20:41	Date Analyzed (2) : 02/24/20 20:41
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.56	2.51	2.61	0.0726			
	2	2.71	2.66	2.76	0.0792			
	COLUMN 1	3	3.05	3.00	3.10	0.0742		
		4	3.22	3.17	3.27	0.079		
		5	3.38	3.33	3.43	0.0843	0.0779	
COLUMN 2	1	2.95	2.89	2.99	0.0615			
	2	3.06	3.01	3.11	0.0824			
	3	3.48	3.43	3.53	0.061			
	4	3.62	3.57	3.67	0.0733			
	5	3.83	3.78	3.88	0.0808	0.0718	8	



Identification Summary
Form 10
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007688
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Lab Sample ID : L2007688-06D
 Client ID : E-117-3.0-3.5
 Date Analyzed (1) : 02/26/20 22:07 Date Analyzed (2) : 02/26/20 22:07
 Instrument ID (1) : PEST19 Instrument ID (2) : PEST19
 GC Column (1) : CLP-Pesticide GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.59	2.52	2.62	0.757		
	2	2.73	2.66	2.76	0.928		
COLUMN 1	3	3.08	3.01	3.11	0.852		
	4	3.25	3.18	3.28	0.988		
	5	3.41	3.33	3.43	1.05	0.914	
COLUMN 2	1	2.96	2.90	3.00	0.764		
	2	3.07	3.02	3.12	0.933		
	3	3.49	3.43	3.53	0.936		
	4	3.63	3.57	3.67	0.951		
	5	3.84	3.78	3.88	0.97	0.911	0



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007688-07	
Client ID : E-120-0.5-1.0	
Date Analyzed (1) : 02/24/20 20:55	Date Analyzed (2) : 02/24/20 20:55
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.56	2.51	2.61	0.119			
	2	2.71	2.66	2.76	0.167			
	COLUMN 1	3	3.05	3.00	3.10	0.143		
		4	3.22	3.17	3.27	0.17		
		5	3.38	3.33	3.43	0.193	0.158	
COLUMN 2	1	2.95	2.89	2.99	0.116			
	2	3.06	3.01	3.11	0.175			
	3	3.48	3.43	3.53	0.128			
	4	3.62	3.57	3.67	0.167			
	5	3.83	3.78	3.88	0.17	0.151	4	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007688-08	
Client ID : E-120-2.0-2.5	
Date Analyzed (1) : 02/24/20 21:02	Date Analyzed (2) : 02/24/20 21:02
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.56	2.51	2.61	0.0966			
	2	2.71	2.66	2.76	0.132			
	COLUMN 1	3	3.05	3.00	3.10	0.12		
		4	3.22	3.17	3.27	0.139		
		5	3.38	3.33	3.43	0.163	0.13	
COLUMN 2	1	2.95	2.89	2.99	0.0898			
	2	3.06	3.01	3.11	0.134			
	3	3.48	3.43	3.53	0.103			
	4	3.62	3.57	3.67	0.134			
	5	3.83	3.78	3.88	0.136	0.119	9	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007688-09	
Client ID : E-120-3.0-3.5	
Date Analyzed (1) : 02/24/20 21:09	Date Analyzed (2) : 02/24/20 21:09
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.56	2.51	2.61	0.0602		
	2	2.71	2.66	2.76	0.0778		
COLUMN 1	3	3.05	3.00	3.10	0.069		
	4	3.22	3.17	3.27	0.0769		
	5	3.38	3.33	3.43	0.088	0.0744	
COLUMN 2	1	2.95	2.89	2.99	0.0566		
	2	3.06	3.01	3.11	0.0753		
	3	3.48	3.43	3.53	0.0741		
	4	3.62	3.57	3.67	0.0731		
	5	3.83	3.78	3.88	0.0784	0.0715	4



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007688-10	
Client ID : E-125-0.5-1.0	
Date Analyzed (1) : 02/24/20 21:16	Date Analyzed (2) : 02/24/20 21:16
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD
			From	To			
AROCOR 1260	1	2.56	2.51	2.61	0.0232		
	2	2.71	2.66	2.76	0.0331		
COLUMN 1	3	3.05	3.00	3.10	0.0254		
	4	3.22	3.17	3.27	0.0319		
	5	3.38	3.33	3.43	0.0346	0.0296J	
COLUMN 2	1	2.95	2.89	2.99	0.0246		
	2	3.06	3.01	3.11	0.0347		
	3	3.48	3.43	3.53	0.0249		
	4	3.62	3.57	3.67	0.0317		
	5	3.83	3.78	3.88	0.0311	0.0294J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2007688-11	
Client ID : E-125-2.0-2.5	
Date Analyzed (1) : 02/24/20 21:23	Date Analyzed (2) : 02/24/20 21:23
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.56	2.51	2.61	0.446			
	2	2.71	2.66	2.76	0.595			
	COLUMN 1	3	3.05	3.00	3.10	0.564		
		4	3.22	3.17	3.27	0.623		
		5	3.38	3.33	3.43	0.71	0.587	
COLUMN 2	1	2.95	2.89	2.99	0.419			
	2	3.06	3.01	3.11	0.59			
	3	3.48	3.43	3.53	0.487			
	4	3.62	3.57	3.67	0.593			
	5	3.83	3.78	3.88	0.634	0.545	7	



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-11.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:09 pm
 Operator : pest13:cw
 Sample : 12007688-04d,42e,20,
 Misc : wgl1344217,wgl1343629,ical16554
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 16:57:52 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1)	i 1660_1br2nb	2.140	2.145	617.8E6	1959.1E6	250.000M4	250.000M4
	Standard Area 1 : #1 = 559034838					Recovery = 110.50%	
	Standard Area 1 : #2 = 1587345391					Recovery = 123.42%	
14)	i 2154_1br2nb	2.140	2.145	617.8E6	1959.1E6	250.000M4	250.000M4
23)	i 4268_1br2nb	2.140	2.145	617.8E6	1959.1E6	250.000M4	250.000M4
34)	i 1248_1br2nb	2.140	2.145	617.8E6	1959.1E6	250.000M4	250.000M4
40)	i 3262_1br2nb	2.140	2.145	617.8E6	1959.1E6	250.000M4	250.000M4
System Monitoring Compounds							
2)	s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000 Range 30 - 150			Recovery = 0.00%#		0.00%#	
3)	s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000 Range 30 - 150			Recovery = 0.00%#		0.00%#	
Target Compounds							
4)	l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5)	l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6)	l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7)	l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8)	l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9)	l2 1260-1	4.815	5.191	520.3E6	1524.3E6	3761.037	3552.355
10)	l2 1260-2	5.019	5.341	952.9E6	2220.9E6	4572.526	4370.849
11)	l2 1260-3	5.482	5.863	531.5E6	1724.0E6	3899.082	4168.954

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-11.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:09 pm
 Operator : pest13:cw
 Sample : 12007688-04d,42e,20,
 Misc : wgl1344217,wgl1343629,ical16554
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 16:57:52 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	12 1260-4	5.694	6.030	1447.9E6	3787.2E6	4652.436M1	4427.716
13)	12 1260-5	5.890	6.274	982.5E6	2538.5E6	4861.910M1	4585.625
	Sum 1260-1			4435.1E6	11795.0E6	21746.990	21105.499
Average 1260-1						4349.398	4221.100
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2						0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1						0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1						0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-11.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:09 pm
 Operator : pest13:cw
 Sample : 12007688-04d,42e,20,
 Misc : wgl1344217,wgl1343629,ical16554
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 16:57:52 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-11.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:09 pm
 Operator : pest13:cw
 Sample : l2007688-04d,42e,20,
 Misc : wgl1344217,wgl1343629,ical16554
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 16:57:52 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

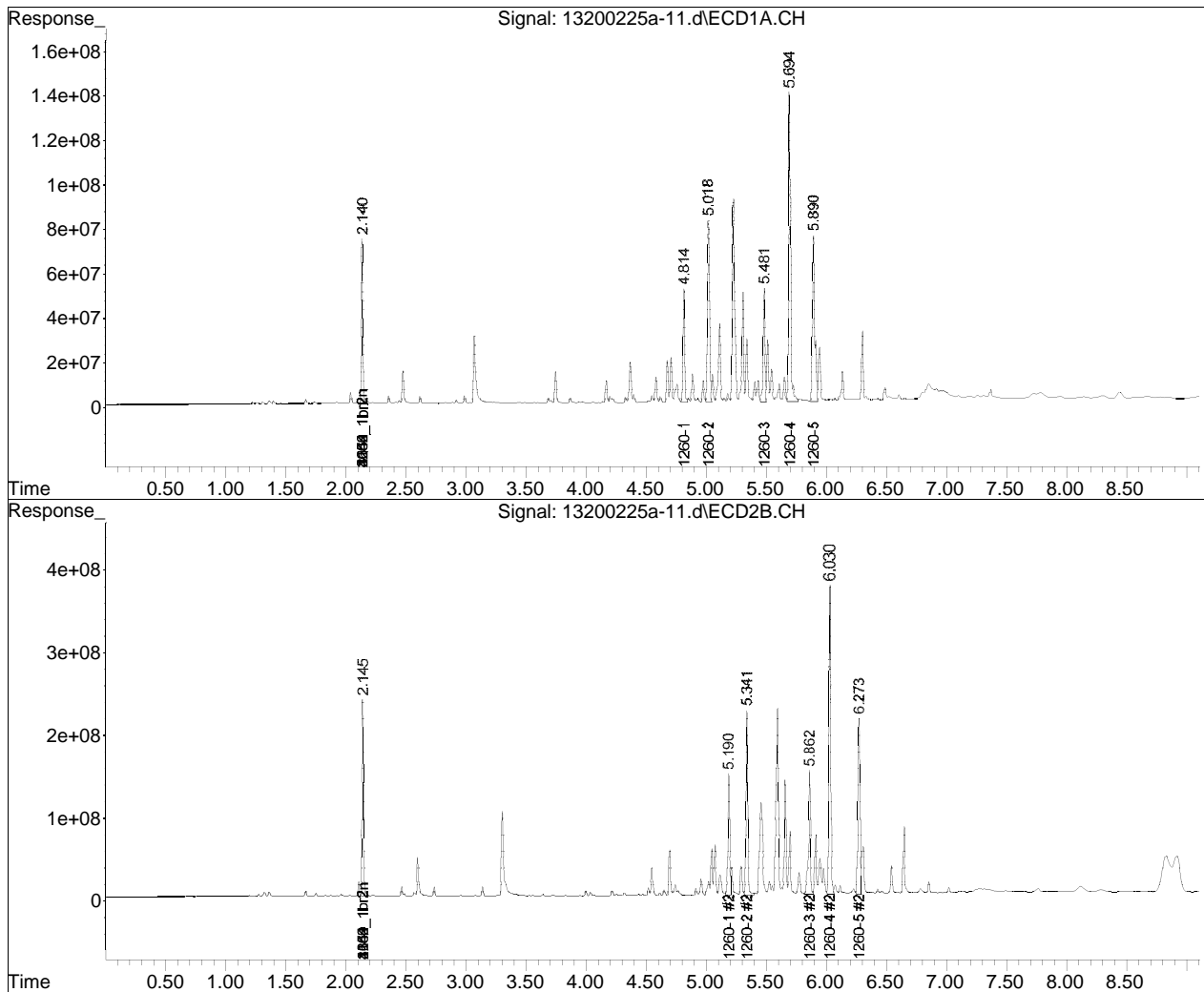
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-03.d••d)

Data Path : I:\Pest13\200225A\
Data File : 13200225a-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 4:09 pm
Operator : pest13:cw
Sample : 12007688-04d,42e,20,
Misc : wg1344217,wg1343629,ical16554
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 16:57:52 2020
Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
Quant Title : pcb
QLast Update : Fri Feb 21 17:10:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

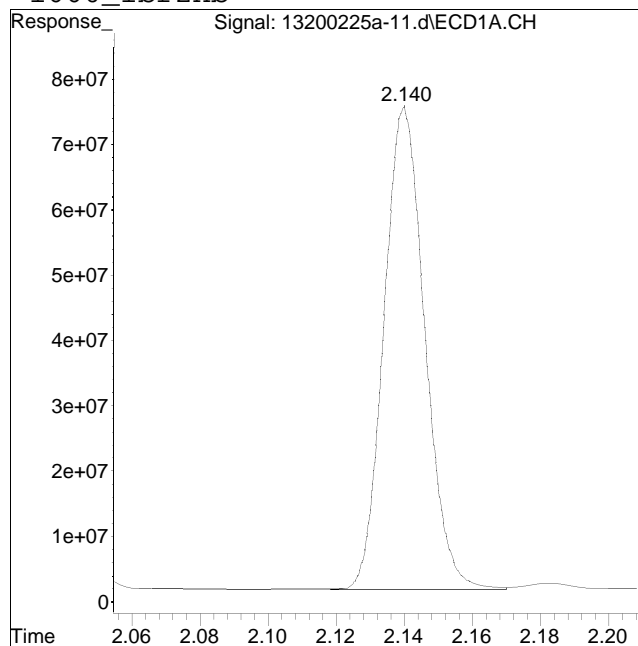
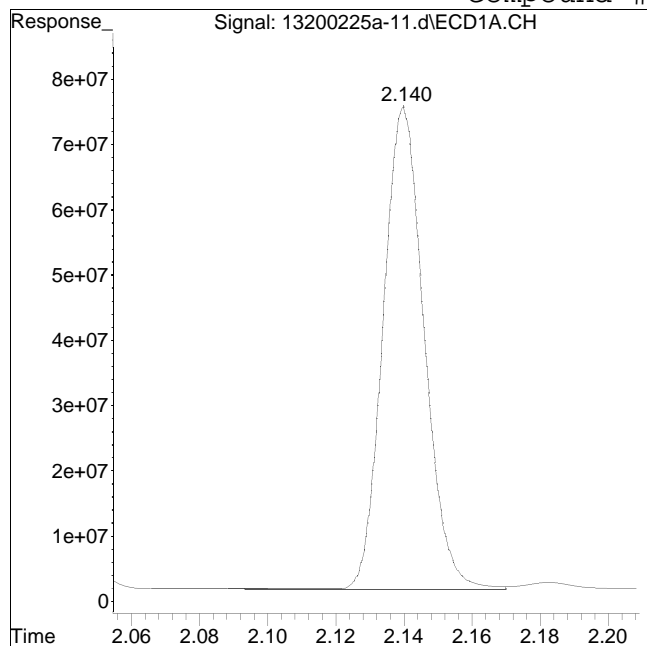


Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-11.d
Date Inj'd : 2/25/2020 4:09 pm
Sample : 12007688-04d,42e,20,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:44 pm

Compound #1: 1660_1br2nb



Original Peak Response = 621902088

Manual Peak Response = 617760260 M4

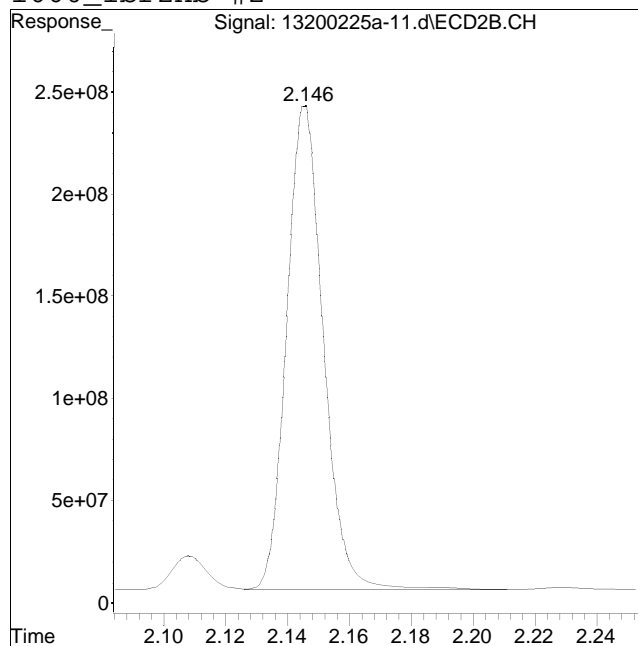
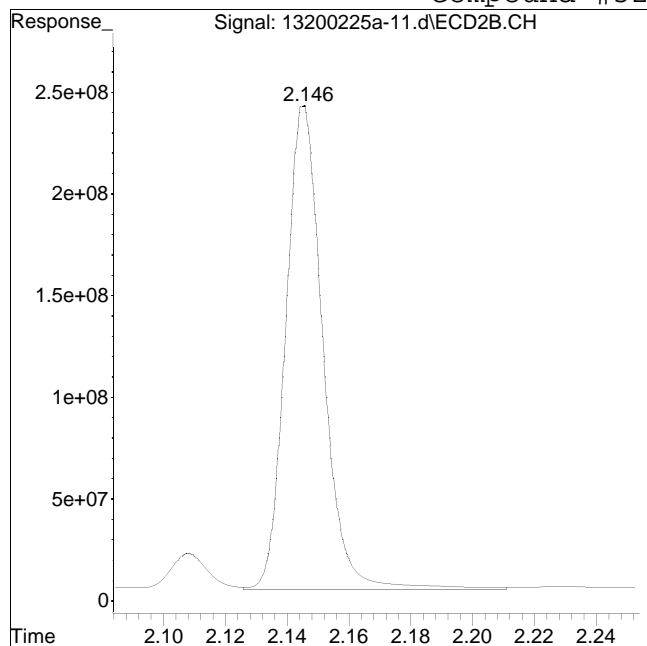
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-11.d
Date Inj'd : 2/25/2020 4:09 pm
Sample : 12007688-04d,42e,20,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:44 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 2012215518

Manual Peak Response = 1959130063 M4

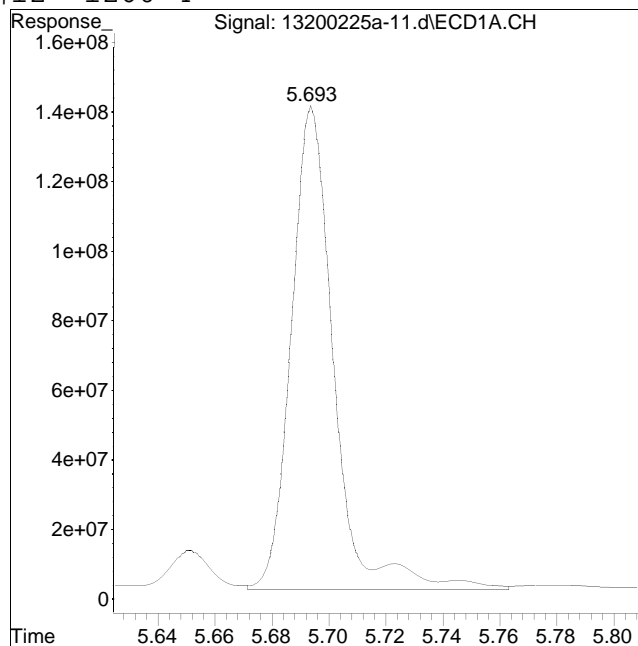
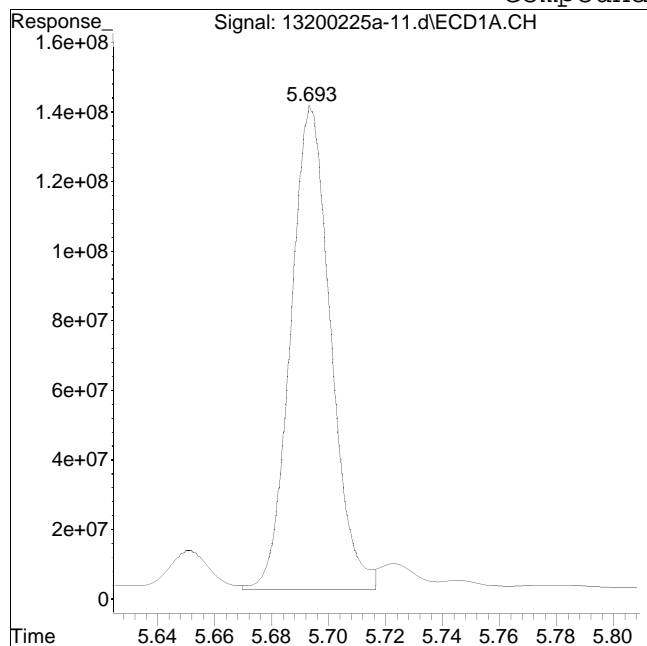
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-11.d
Date Inj'd : 2/25/2020 4:09 pm
Sample : 12007688-04d,42e,20,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:44 pm

Compound #12: 1260-4



Original Peak Response = 1348276340

Manual Peak Response = 1447888340 M1

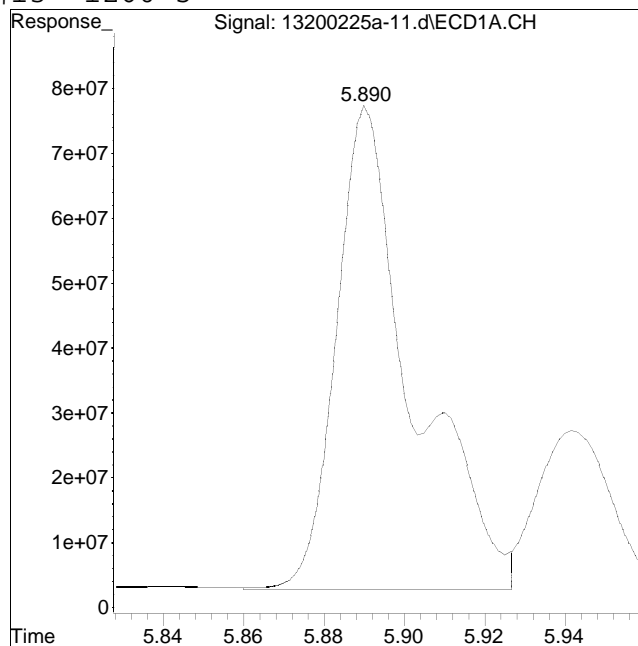
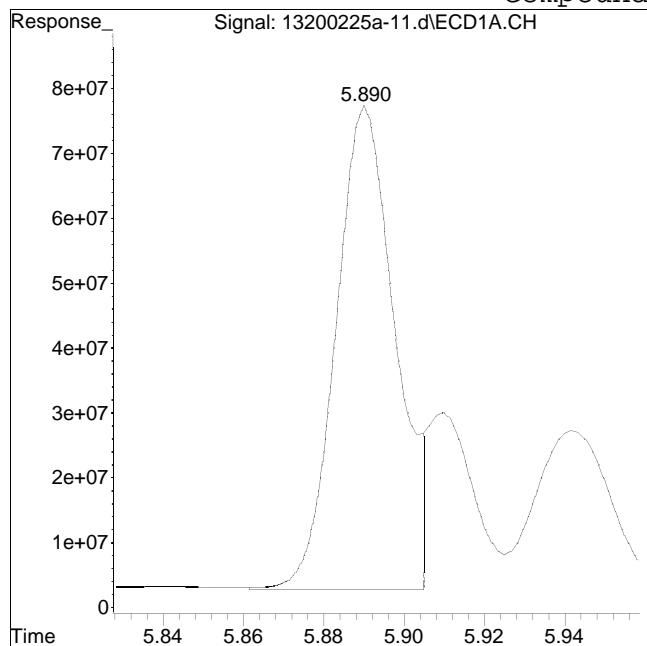
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-11.d
Date Inj'd : 2/25/2020 4:09 pm
Sample : 12007688-04d,42e,20,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:44 pm

Compound #13: 1260-5



Original Peak Response = 749390941

Manual Peak Response = 982478742 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:21 pm
 Operator : pest19:cw
 Sample : 12007688-02,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:24:31 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.990	1.031	34938909	53923702	250.000	250.000
Standard Area 1 : #1 = 26646155					Recovery =	131.12%
Standard Area 1 : #2 = 40763919					Recovery =	132.28%
14) i 2154_1br2nb	0.990	1.031	34938909	53923702	250.000	250.000
23) i 4268_1br2nb	0.990	1.031	34938909	53923702	250.000	250.000
34) i 1248_1br2nb	0.990	1.031	34938909	53923702	250.000	250.000
40) i 3262_1br2nb	0.990	1.031	34938909	53923702	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.245	1.373	60274364	89956492	330.580	326.622
Spiked Amount 500.000	Range 30 - 150				Recovery =	66.12%
3) s Decachlorobi	3.999	4.503	50004566	73688877	341.900	317.202M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	68.38%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.565	2.945	462038	1085971	50.176M4	74.865M4
10) l2 1260-2	2.708	3.060	994114	975740	71.800M4	57.323M4
11) l2 1260-3	3.053	3.478	692098	758518	76.814M4	51.125M5
12) l2 1260-4	3.222	3.619	1600704	1846218	84.490M4	59.133M1

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:21 pm
 Operator : pest19:cw
 Sample : 12007688-02,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:24:31 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) 12	1260-5	0.000	3.831	0	1826127	N.D. d	84.197M4
	Sum 1260-1			3748954	6492574	283.280	326.643
	Average 1260-1					70.820	65.329
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D.
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:21 pm
 Operator : pest19:cw
 Sample : 12007688-02,42e,,
 Misc : wg1343938,wg1343629,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:24:31 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-08.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:21 pm
 Operator : pest19:cw
 Sample : 12007688-02,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:24:31 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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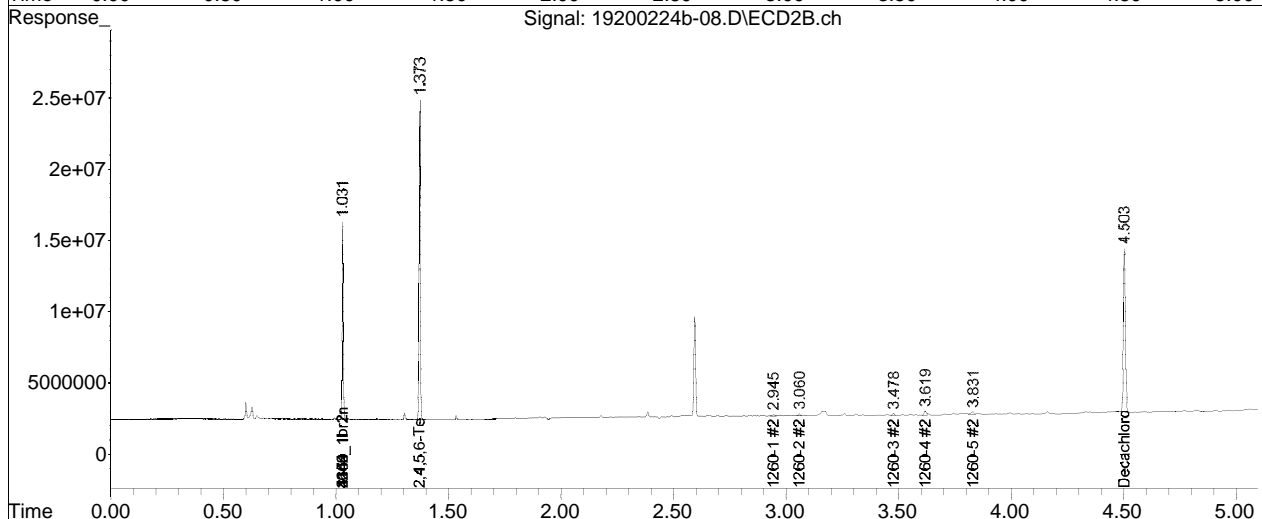
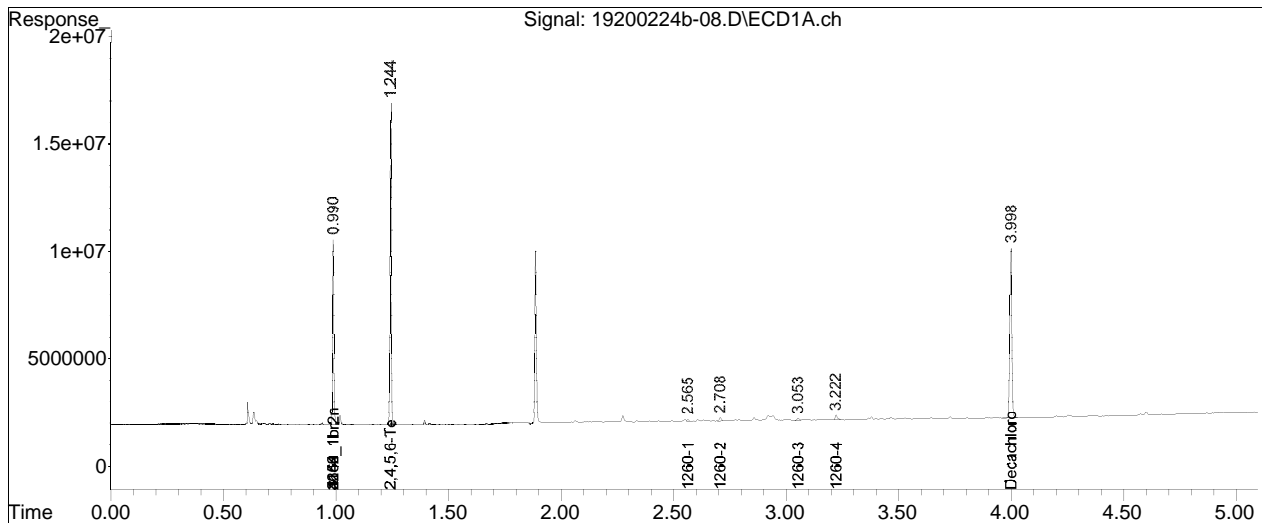
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-02.D••d)

Data Path : I:\Pest19\200224b\
Data File : 19200224b-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 08:21 pm
Operator : pest19:cw
Sample : 12007688-02,42e,,
Misc : wg1343938,wg1343629,ical16321
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:24:31 2020
Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

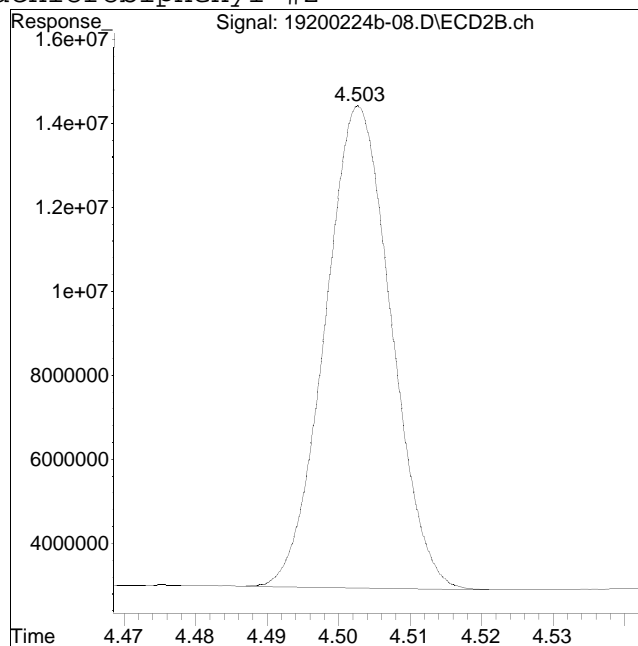
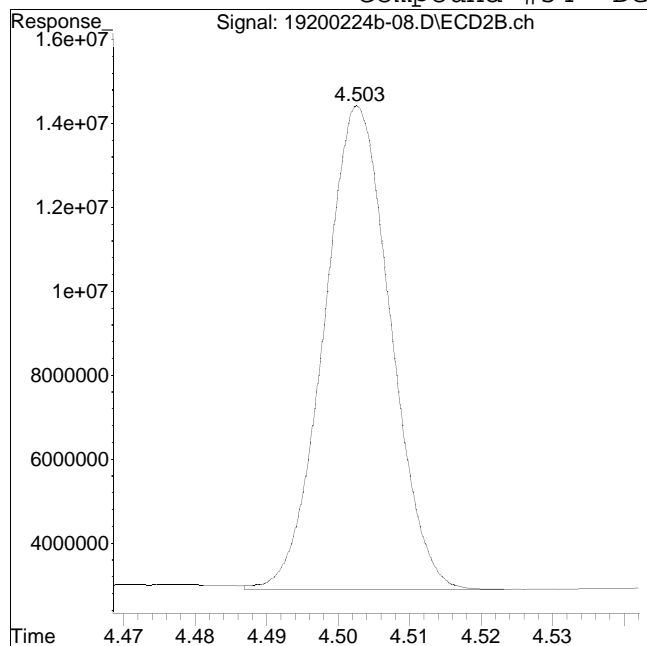


Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-08.D
Date Inj'd : 2/24/2020 8:21 pm
Sample : 12007688-02,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 74536277

Manual Peak Response = 73688877 M4

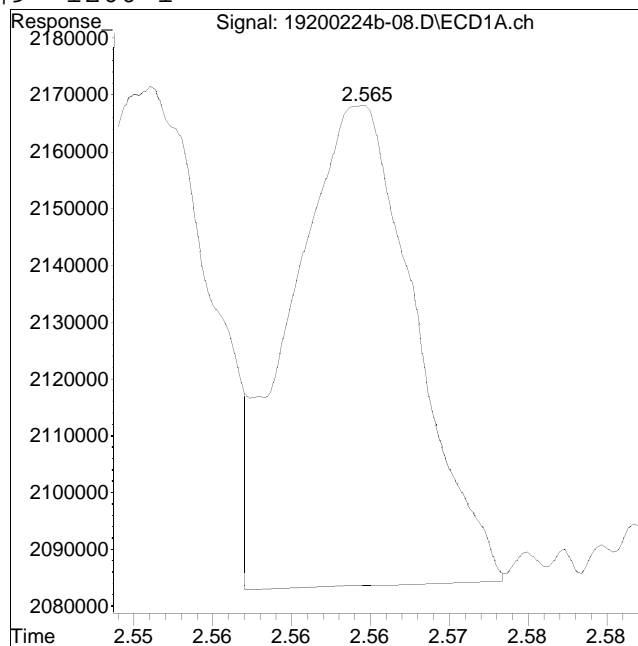
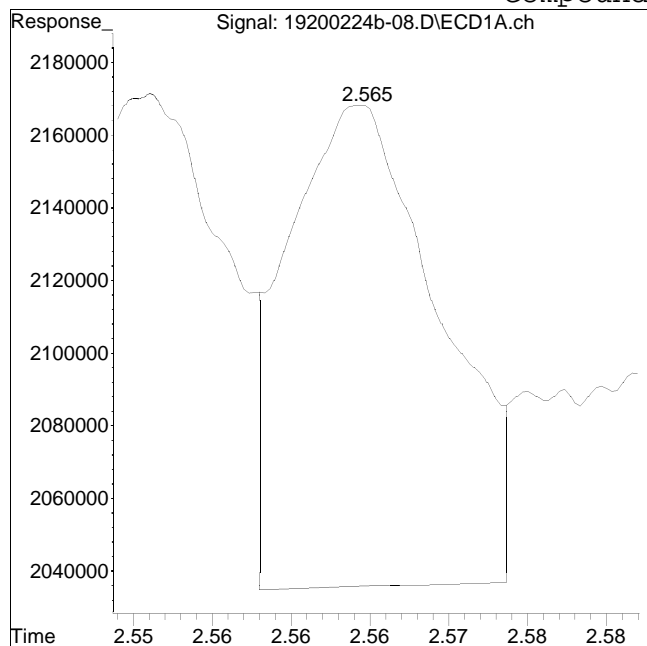
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-08.D
Date Inj'd : 2/24/2020 8:21 pm
Sample : 12007688-02,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #9: 1260-1



Original Peak Response = 898434

Manual Peak Response = 462038 M4

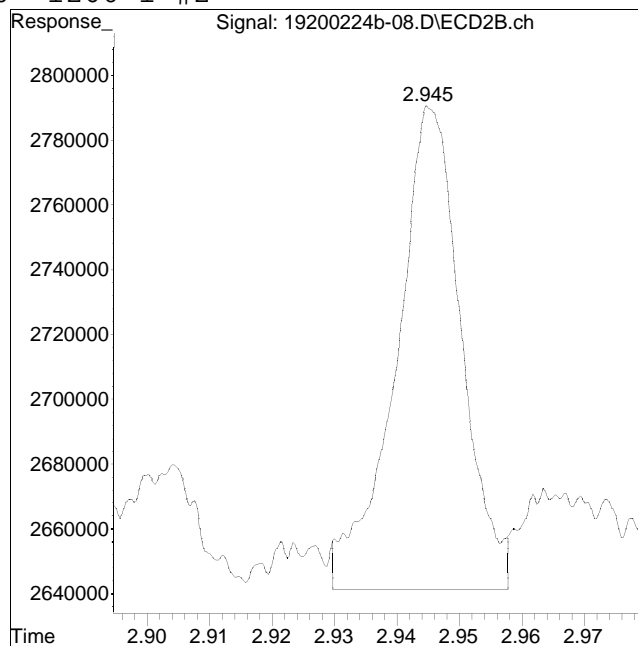
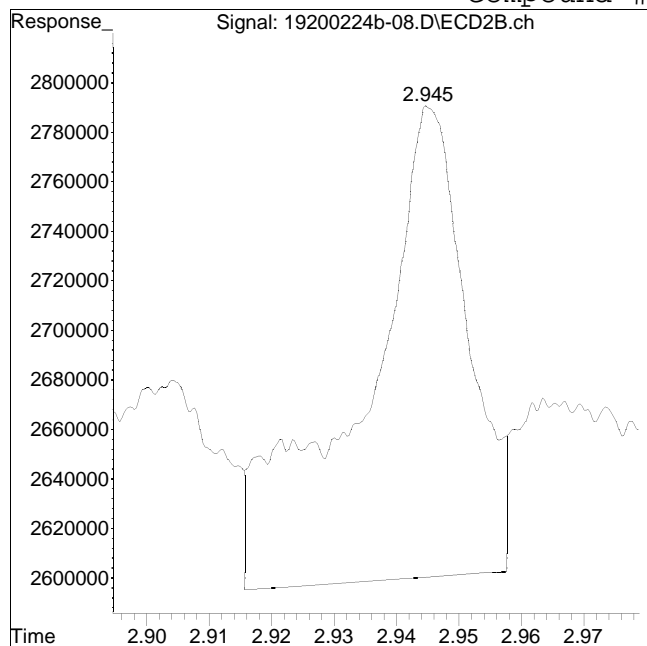
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-08.D
Date Inj'd : 2/24/2020 8:21 pm
Sample : 12007688-02,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #60: 1260-1 #2



Original Peak Response = 2240726

Manual Peak Response = 1085971 M4

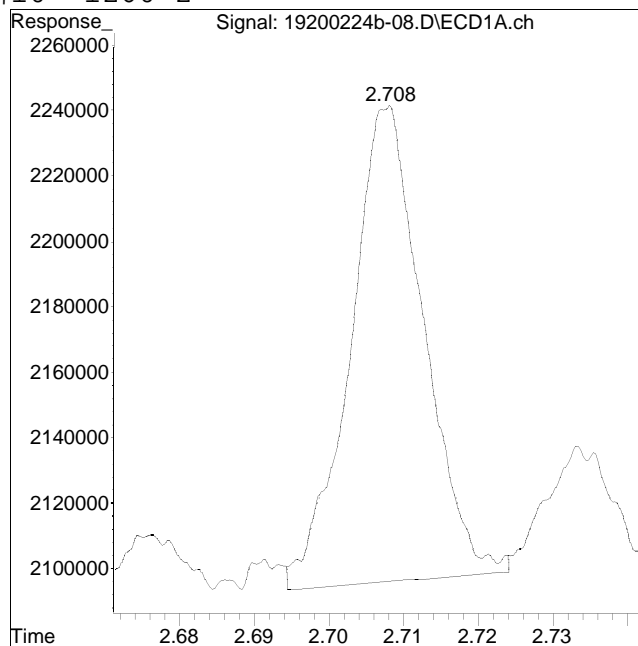
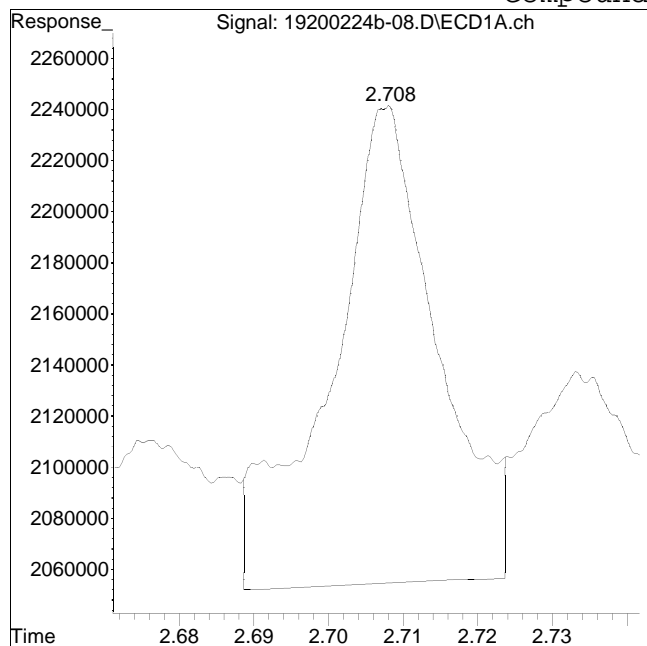
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-08.D
Date Inj'd : 2/24/2020 8:21 pm
Sample : 12007688-02,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #10: 1260-2



Original Peak Response = 1884571

Manual Peak Response = 994114 M4

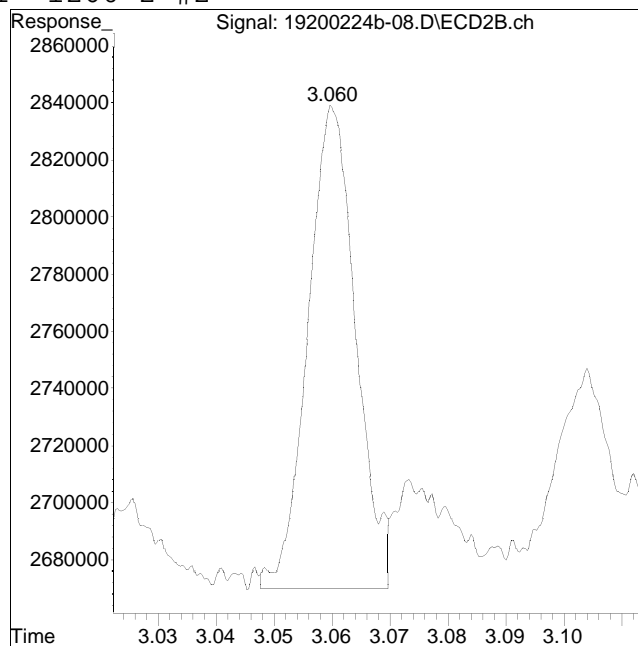
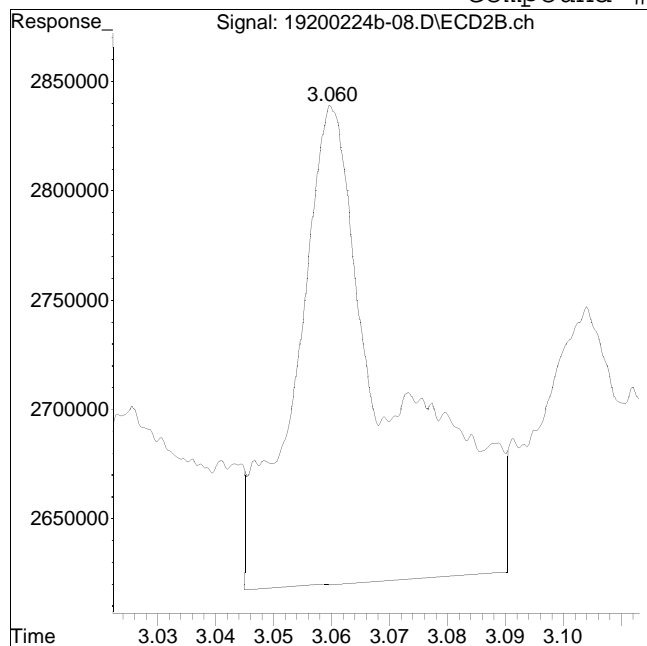
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-08.D
Date Inj'd : 2/24/2020 8:21 pm
Sample : 12007688-02,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #61: 1260-2 #2



Original Peak Response = 2588429

Manual Peak Response = 975740 M4

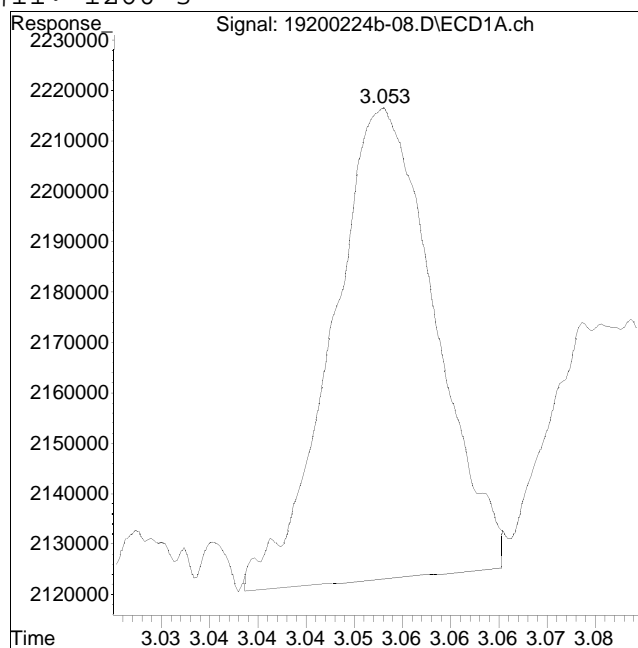
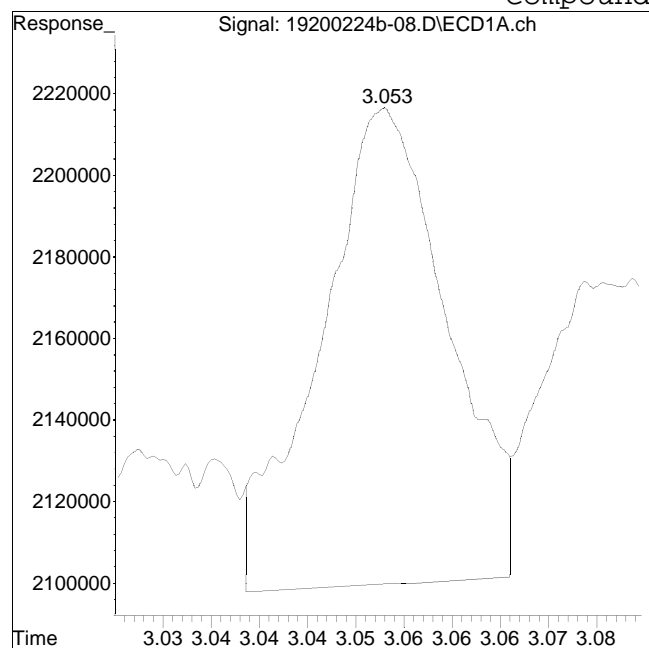
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-08.D
Date Inj'd : 2/24/2020 8:21 pm
Sample : 12007688-02,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #11: 1260-3



Original Peak Response = 1075601

Manual Peak Response = 692098 M4

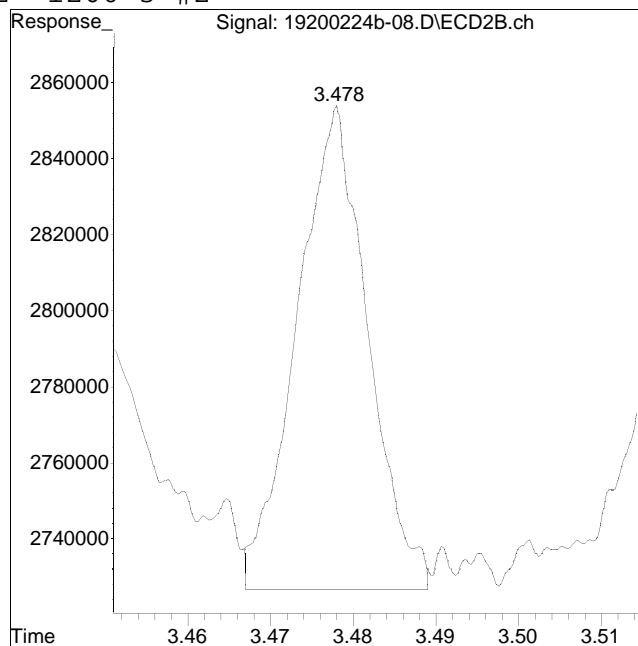
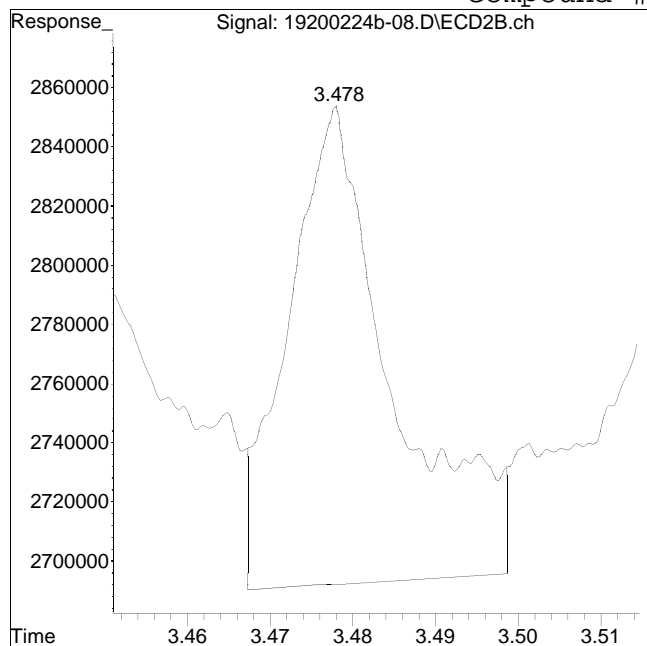
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-08.D
Date Inj'd : 2/24/2020 8:21 pm
Sample : 12007688-02,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #62: 1260-3 #2



Original Peak Response = 1426368

Manual Peak Response = 758518 M5

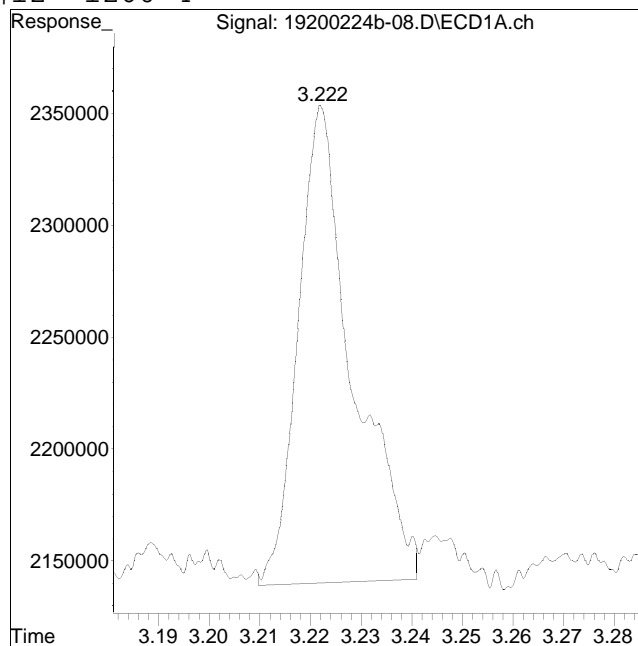
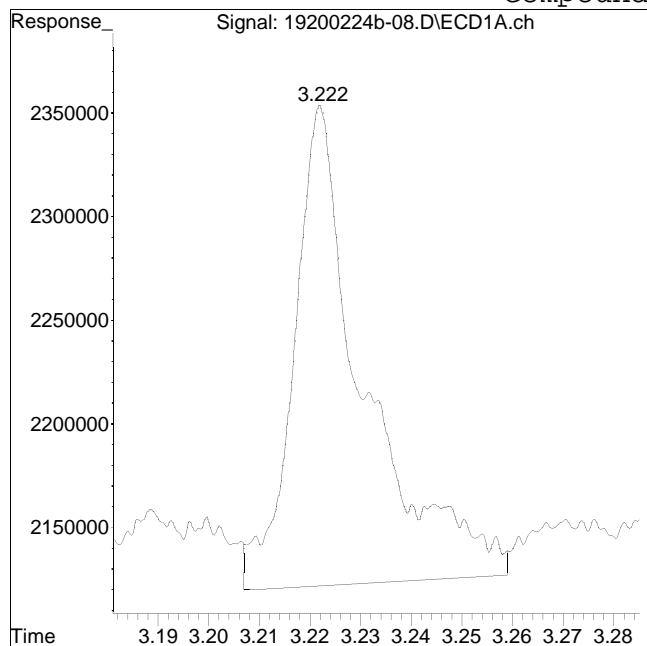
M5 = Manual integration over a retention time range required, i.e. for hydrocarbon range methods.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-08.D
Date Inj'd : 2/24/2020 8:21 pm
Sample : 12007688-02,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #12: 1260-4



Original Peak Response = 2253037

Manual Peak Response = 1600704 M4

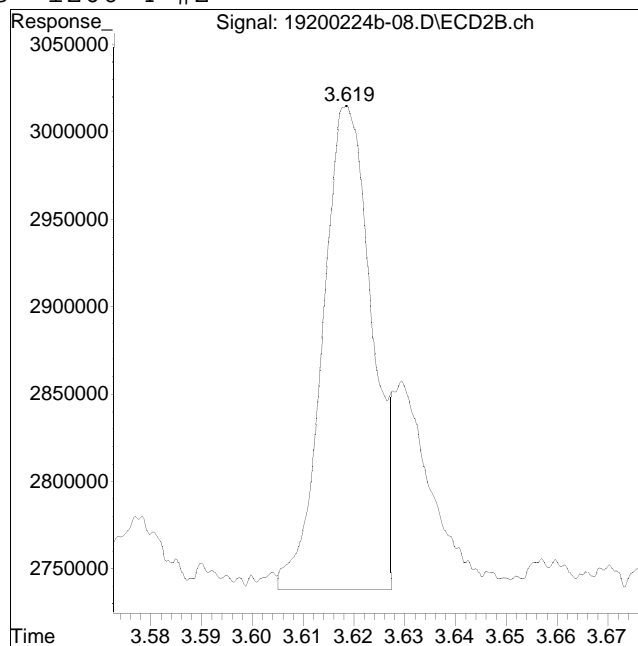
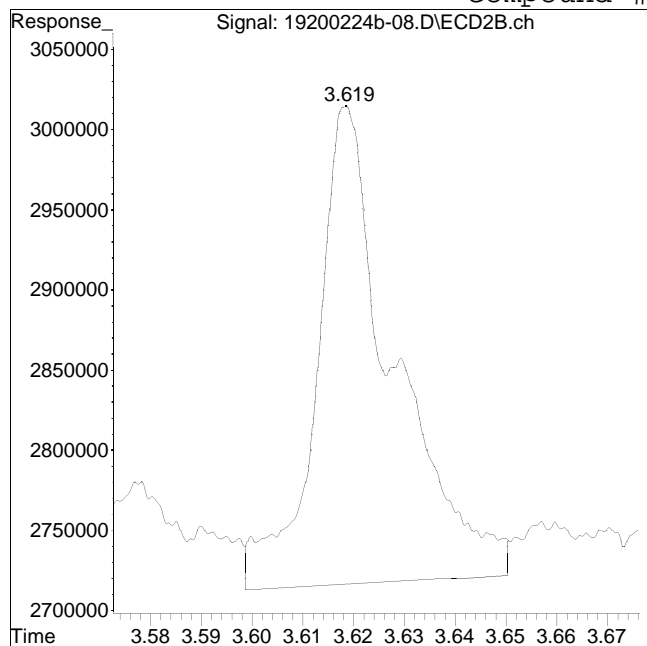
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-08.D
Date Inj'd : 2/24/2020 8:21 pm
Sample : 12007688-02,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #63: 1260-4 #2



Original Peak Response = 3175031

Manual Peak Response = 1846218 M1

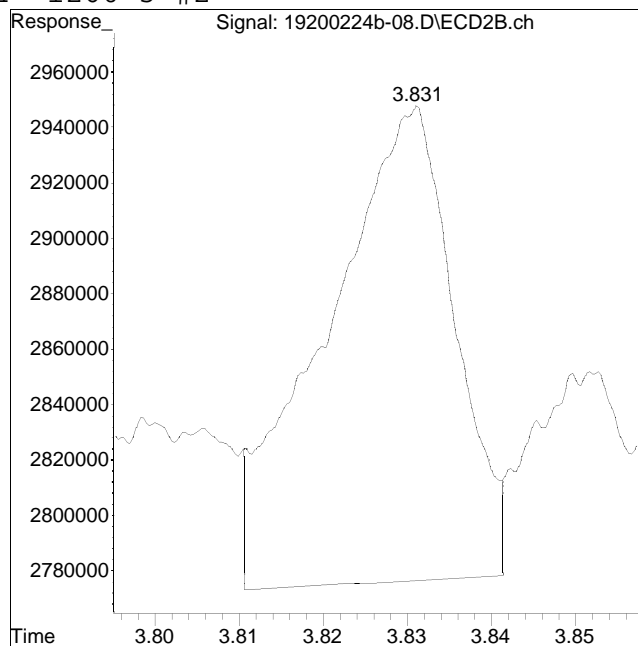
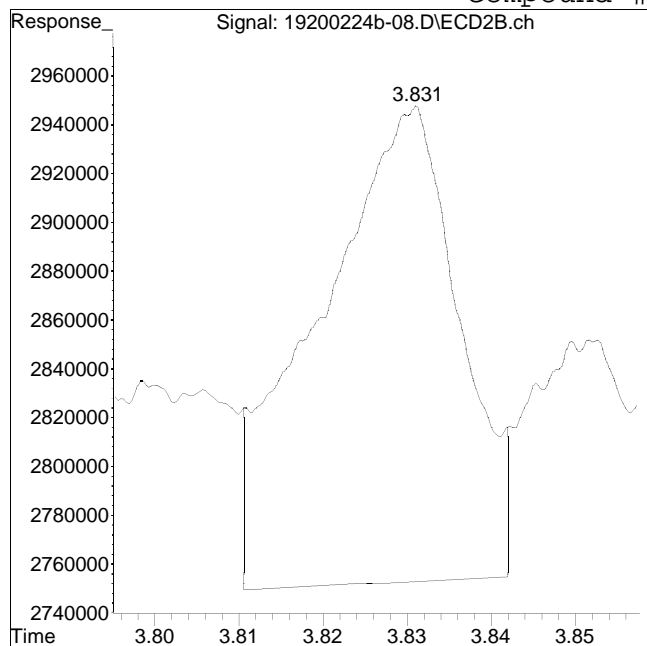
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-08.D
Date Inj'd : 2/24/2020 8:21 pm
Sample : 12007688-02,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #64: 1260-5 #2



Original Peak Response = 2278482

Manual Peak Response = 1826127 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-09.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:28 pm
 Operator : pest19:cw
 Sample : 12007688-03,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:27:32 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.990	1.031	35433780	54555186	250.000	250.000
Standard Area 1 : #1 = 26646155					Recovery =	132.98%
Standard Area 1 : #2 = 40763919					Recovery =	133.83%
14) i 2154_1br2nb	0.990	1.031	35433780	54555186	250.000	250.000
23) i 4268_1br2nb	0.990	1.031	35433780	54555186	250.000	250.000
34) i 1248_1br2nb	0.990	1.031	35433780	54555186	250.000	250.000
40) i 3262_1br2nb	0.990	1.031	35433780	54555186	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.245	1.373	50503329	75012115	273.122	269.208
Spiked Amount 500.000	Range 30 - 150				Recovery =	54.62%
3) s Decachlorobi	3.999	4.502	42040219	62291345	283.431	265.036
Spiked Amount 500.000	Range 30 - 150				Recovery =	56.69%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-09.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:28 pm
 Operator : pest19:cw
 Sample : 12007688-03,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:27:32 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-09.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:28 pm
 Operator : pest19:cw
 Sample : 12007688-03,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:27:32 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

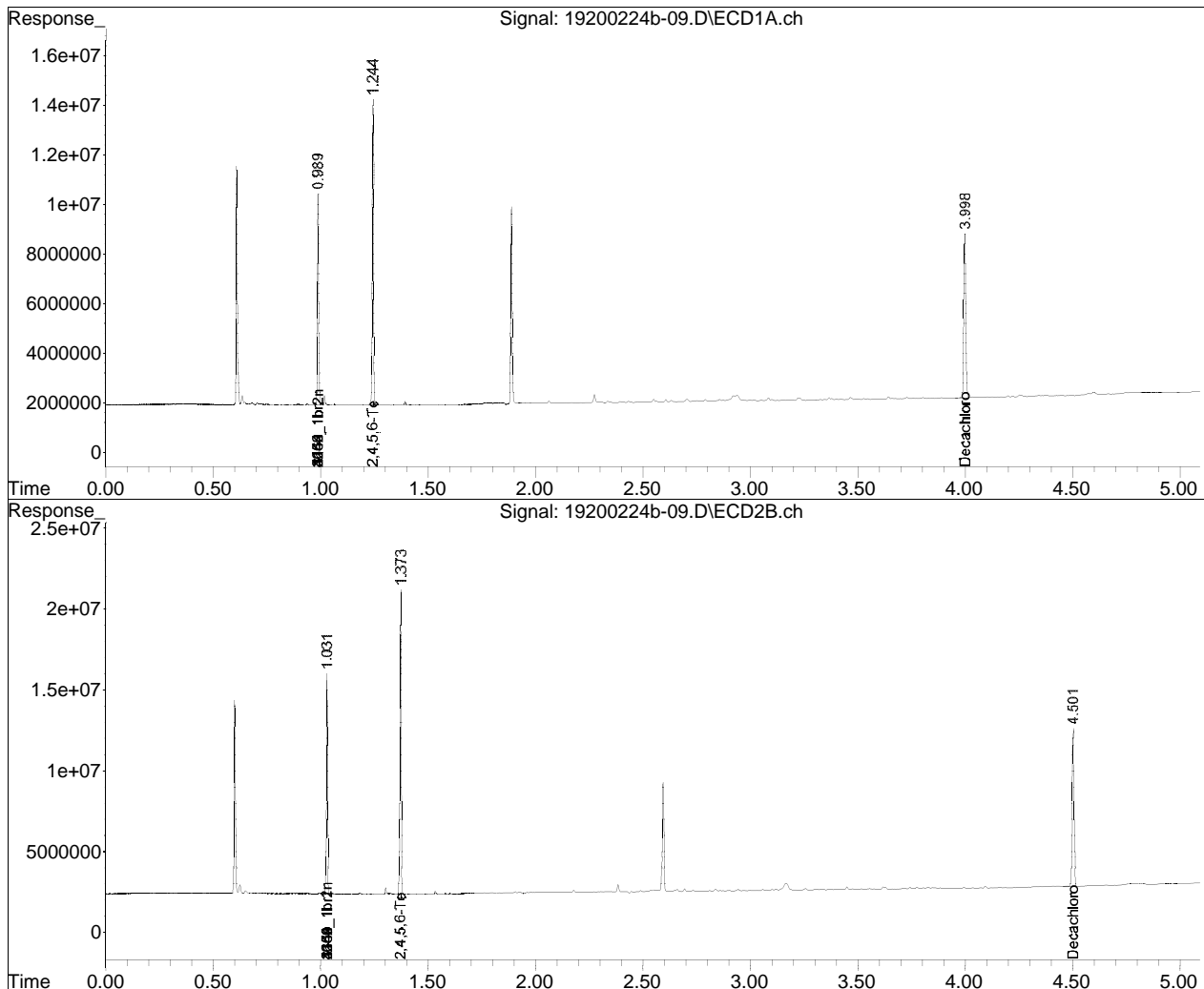
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-02.D••d)

Data Path : I:\Pest19\200224b\
Data File : 19200224b-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 08:28 pm
Operator : pest19:cw
Sample : 12007688-03,42e,,
Misc : wg1343938,wg1343629,ical16321
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:27:32 2020
Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest19\200224b\	QMethod	: P19_pcb_11_20_19_ugL_ICA
Data File	: 19200224b-09.D	Operator	: pest19:cw
Date Inj'd	: 2/24/2020 8:28 pm	Instrument	: Pest 19
Sample	: 12007688-03,42e,,	Quant Date	: 2/26/2020 2:14 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:41 pm
 Operator : pest19:cw
 Sample : 12007688-05,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:32:14 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.990	1.031	32409279	49306593	250.000	250.000
Standard Area 1 : #1 = 26646155					Recovery =	121.63%
Standard Area 1 : #2 = 40763919					Recovery =	120.96%
14) i 2154_1br2nb	0.990	1.031	32409279	49306593	250.000	250.000
23) i 4268_1br2nb	0.990	1.031	32409279	49306593	250.000	250.000
34) i 1248_1br2nb	0.990	1.031	32409279	49306593	250.000	250.000
40) i 3262_1br2nb	0.990	1.031	32409279	49306593	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.245	1.373	39095237	57186863	231.158M4	227.082M4
Spiked Amount	500.000	Range	30 - 150	Recovery =	46.23%	45.42%
3) s Decachlorobi	3.999	4.502	32324676	49592717	238.267	233.467M4
Spiked Amount	500.000	Range	30 - 150	Recovery =	47.65%	46.69%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.564	2.946	8562683	11261110	1002.464	849.018
10) l2 1260-2	2.709	3.060	14038304	17701966	1093.057	1137.341
11) l2 1260-3	3.052	3.477	8562540	11413474	1024.513	841.319
12) l2 1260-4	3.222	3.619	19165026	28874833	1090.544	1011.443
13) l2 1260-5	3.379	3.830	14777694	22125941	1163.725M1	1115.686
Sum 1260-1			65106246	91377325	5374.303	4954.807
Average 1260-1					1074.861	990.961

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:41 pm
 Operator : pest19:cw
 Sample : 12007688-05,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:32:14 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:41 pm
 Operator : pest19:cw
 Sample : 12007688-05,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:32:14 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:41 pm
 Operator : pest19:cw
 Sample : 12007688-05,42e,,
 Misc : wg1343938,wg1343629,ical16321
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:32:14 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

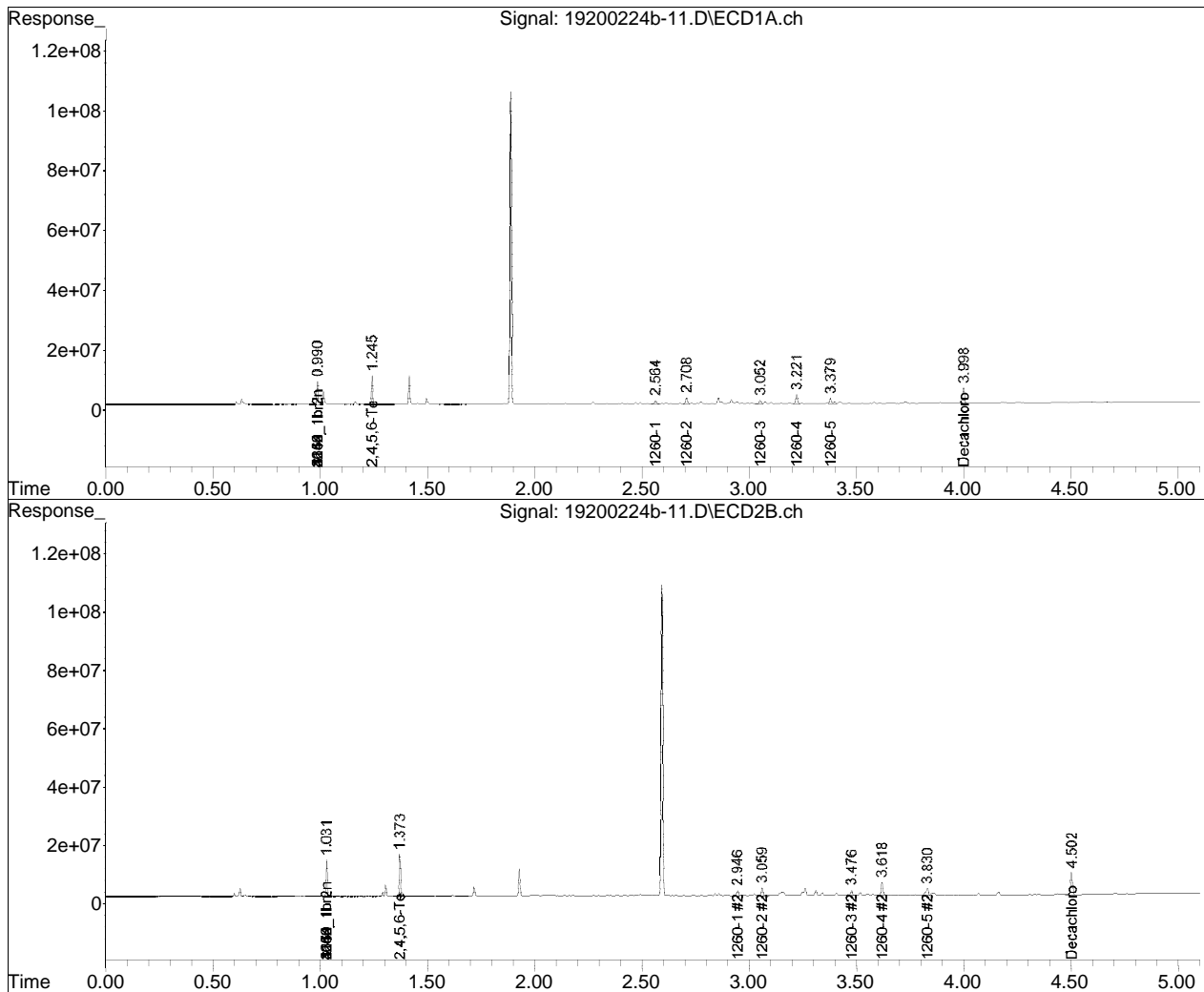
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listedb-02.D••d)

Data Path : I:\Pest19\200224b\
Data File : 19200224b-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 08:41 pm
Operator : pest19:cw
Sample : 12007688-05,42e,,
Misc : wg1343938,wg1343629,ical16321
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:32:14 2020
Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

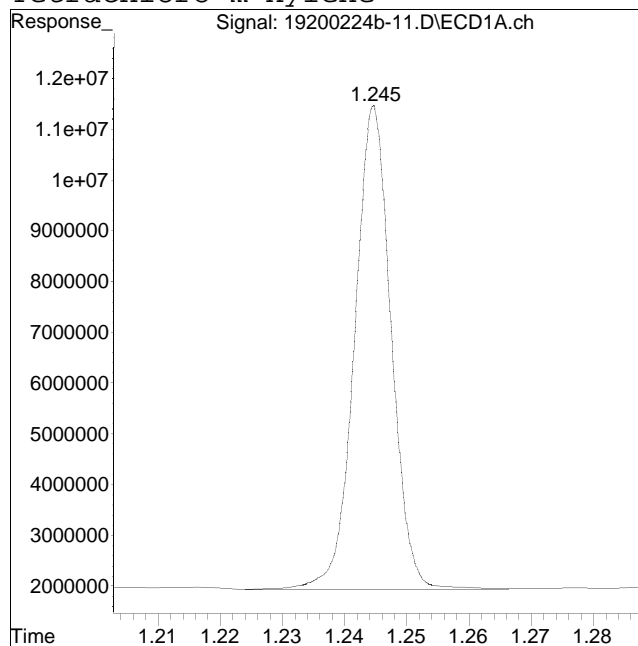
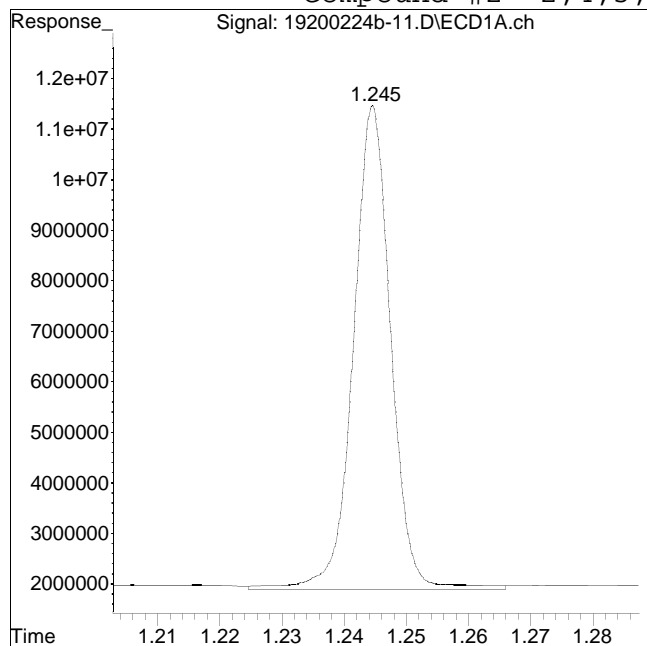


Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-11.D
Date Inj'd : 2/24/2020 8:41 pm
Sample : 12007688-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 40279925

Manual Peak Response = 39095237 M4

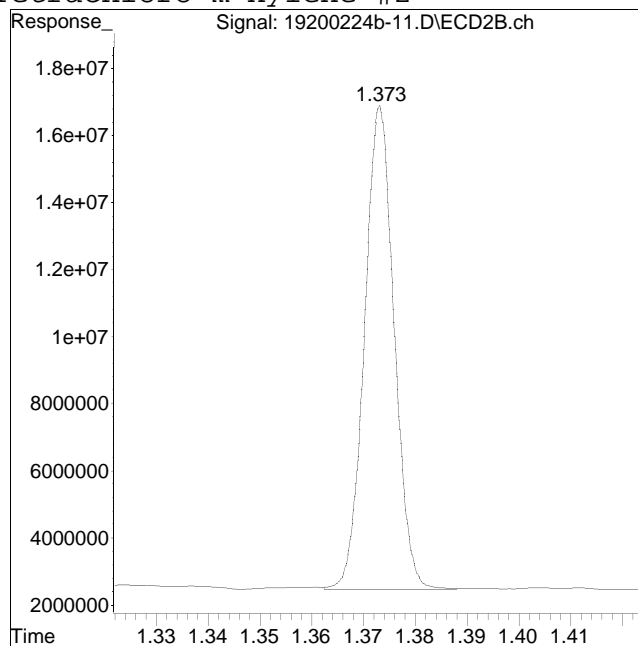
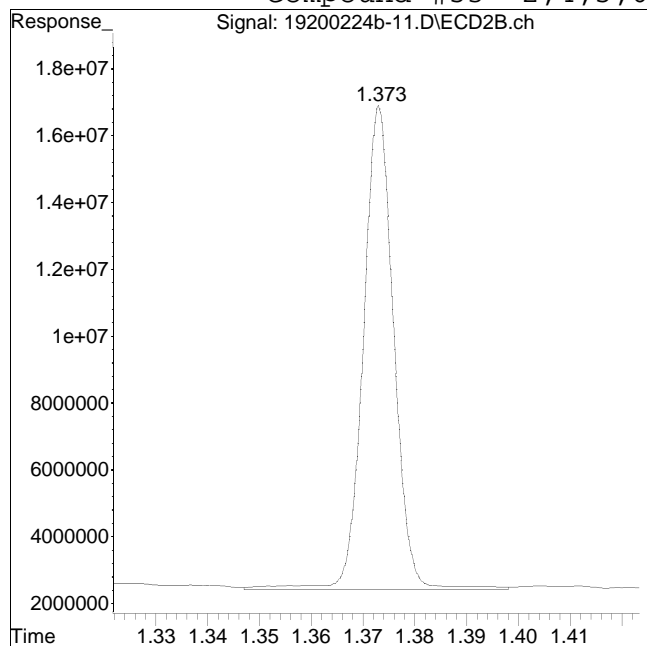
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-11.D
Date Inj'd : 2/24/2020 8:41 pm
Sample : 12007688-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 59292751

Manual Peak Response = 57186863 M4

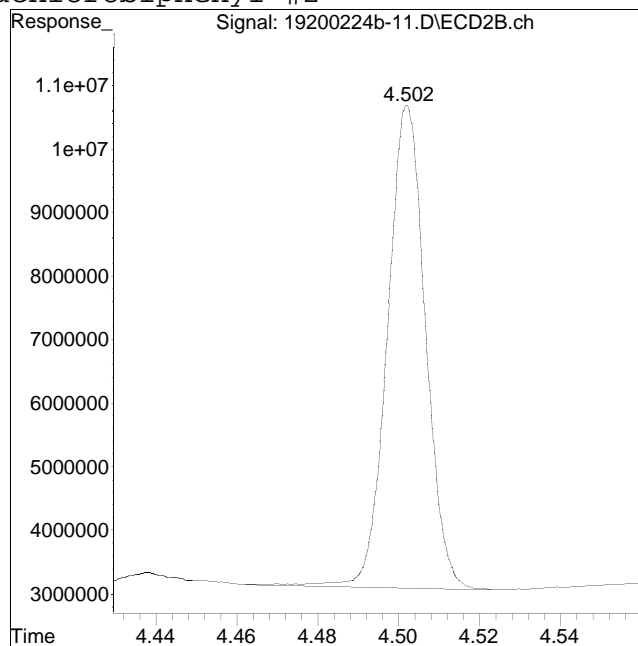
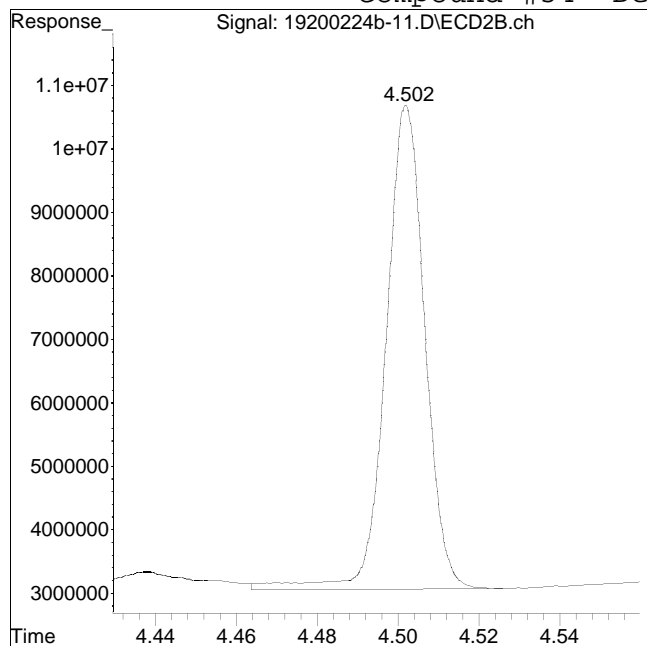
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-11.D
Date Inj'd : 2/24/2020 8:41 pm
Sample : 12007688-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 51123636

Manual Peak Response = 49592717 M4

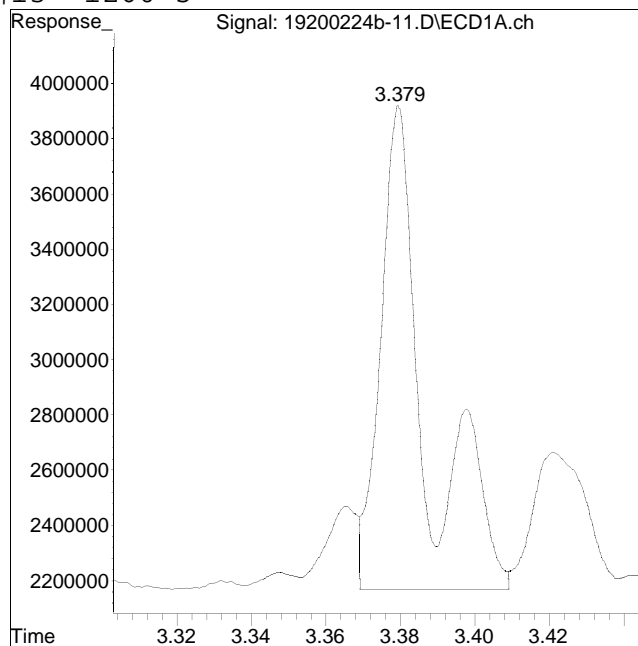
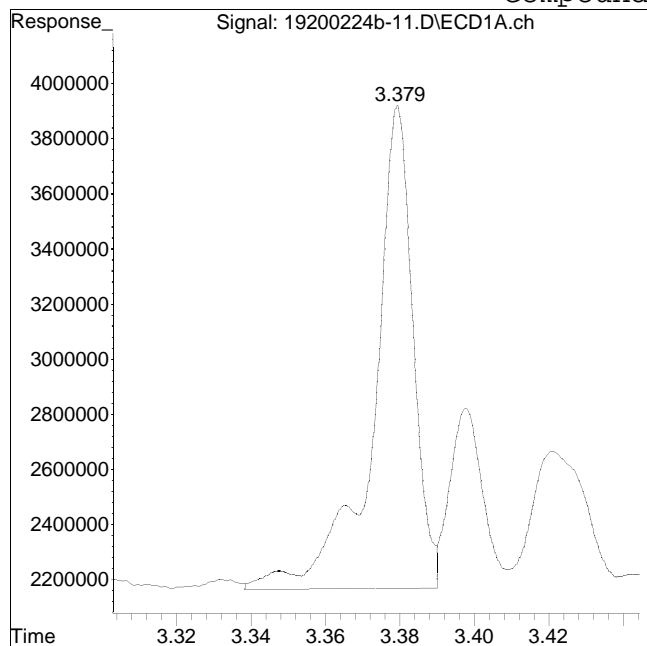
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-11.D
Date Inj'd : 2/24/2020 8:41 pm
Sample : 12007688-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #13: 1260-5



Original Peak Response = 12945110

Manual Peak Response = 14777694 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:55 pm
 Operator : pest19:cw
 Sample : 12007688-07,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:36:15 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.989	1.031	31980640	48602371	250.000M1	250.000M4
Standard Area 1 : #1 = 26646155			Recovery = 120.02%			
Standard Area 1 : #2 = 40763919			Recovery = 119.23%			
14) i 2154_1br2nb	0.989	1.031	31980640	48602371	250.000M1	250.000M4
23) i 4268_1br2nb	0.989	1.031	31980640	48602371	250.000M1	250.000M4
34) i 1248_1br2nb	0.989	1.031	31980640	48602371	250.000M1	250.000M4
40) i 3262_1br2nb	0.989	1.031	31980640	48602371	250.000M1	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.244	1.373	36426868	53203165	218.267M4	214.325M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 43.65% 42.86%			
3) s Decachlorobi	3.998	4.501	32491218	49282680	242.705	235.369
Spiked Amount 500.000 Range 30 - 150			Recovery = 48.54% 47.07%			
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.564	2.946	13212050	20028667	1567.514M4	1531.917
10) l2 1260-2	2.708	3.060	27973196	35572901	2207.254M4	2318.655

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:55 pm
 Operator : pest19:cw
 Sample : 12007688-07,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:36:15 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) 12 1260-3	3.052	3.477	15587692	22634758	1890.075M4	1692.645
12) 12 1260-4	3.221	3.618	38979563	62010112	2247.775M4	2203.596
13) 12 1260-5	3.379	3.829	31945274	43921470	2549.368	2246.801
Sum 1260-1			127.7E6	184.2E6	10461.986	9993.614
Average 1260-1					2092.397	1998.723
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:55 pm
 Operator : pest19:cw
 Sample : 12007688-07,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:36:15 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 08:55 pm
 Operator : pest19:cw
 Sample : 12007688-07,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:36:15 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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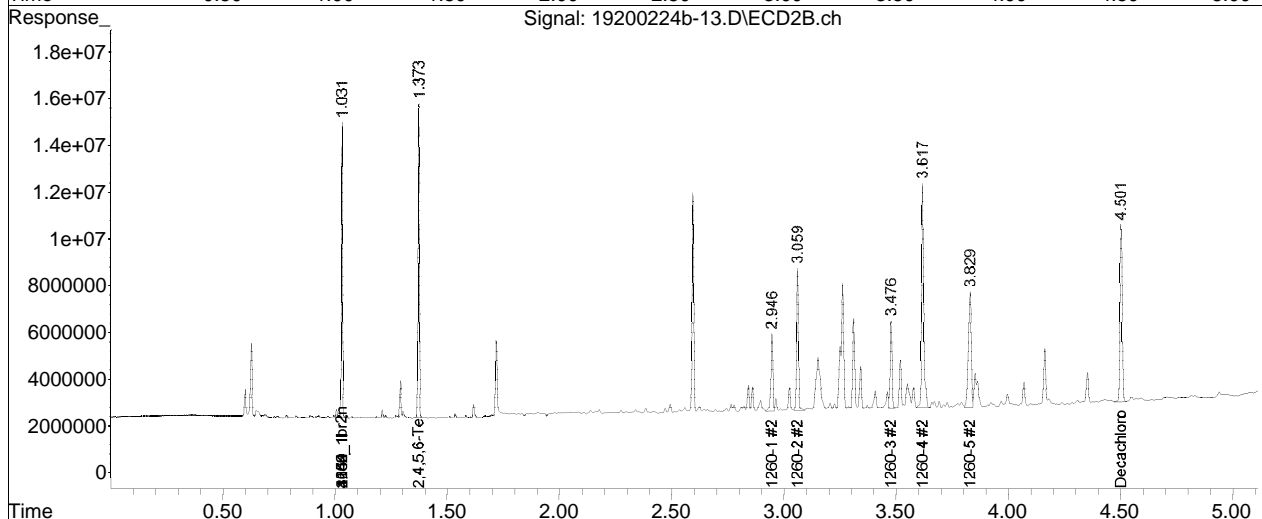
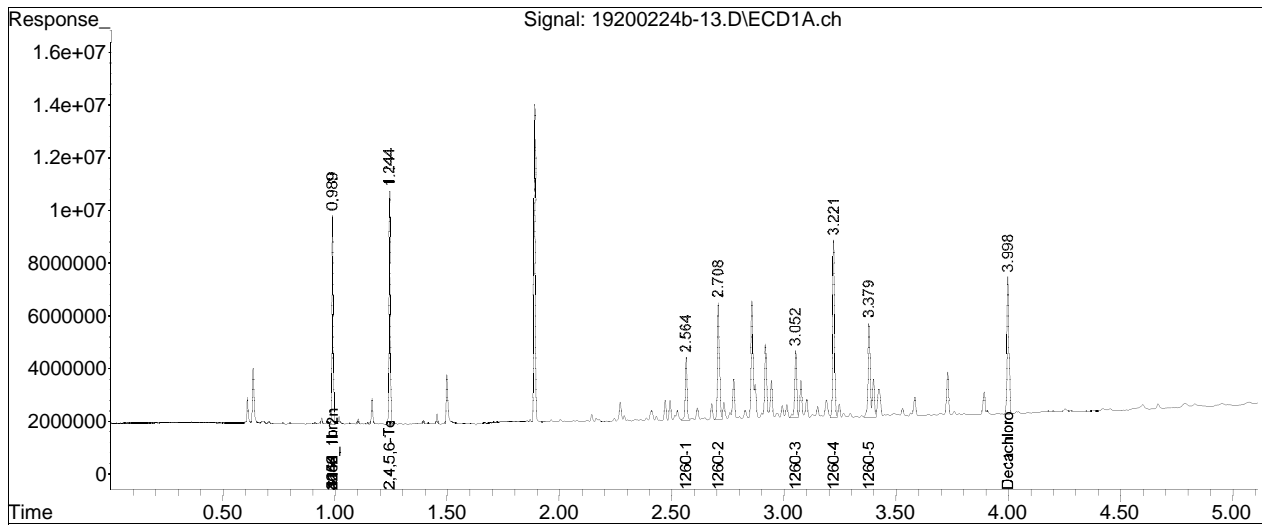
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-02.D••d)

Data Path : I:\Pest19\200224b\
Data File : 19200224b-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 08:55 pm
Operator : pest19:cw
Sample : 12007688-07,42e,,
Misc : wg1343938,wg1343629,ical16321
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:36:15 2020
Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

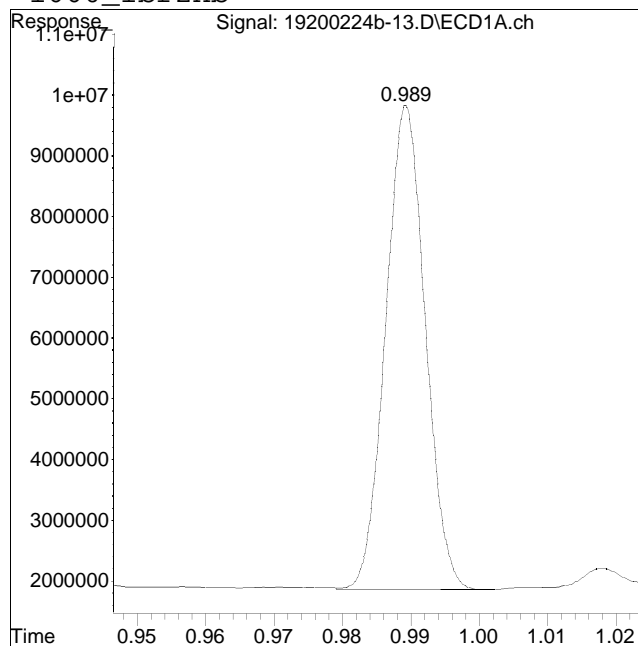
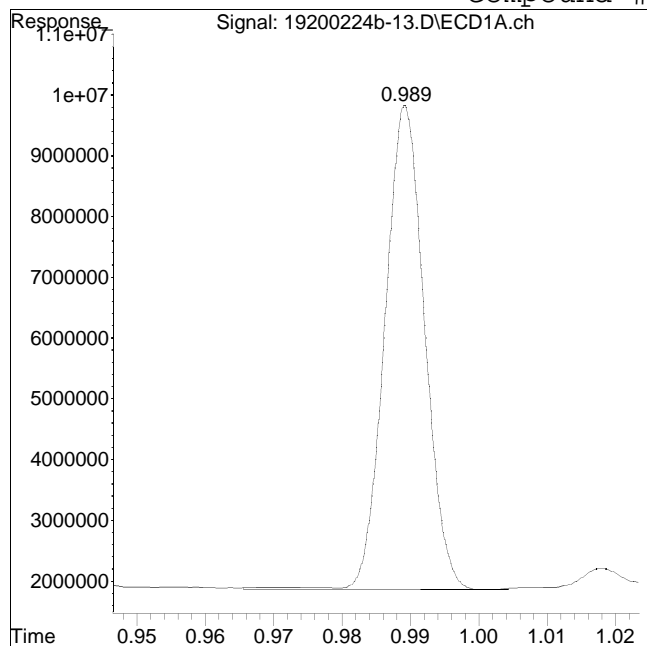


Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-13.D
Date Inj'd : 2/24/2020 8:55 pm
Sample : 12007688-07,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #1: 1660_1br2nb



Original Peak Response = 32281563

Manual Peak Response = 31980640 M1

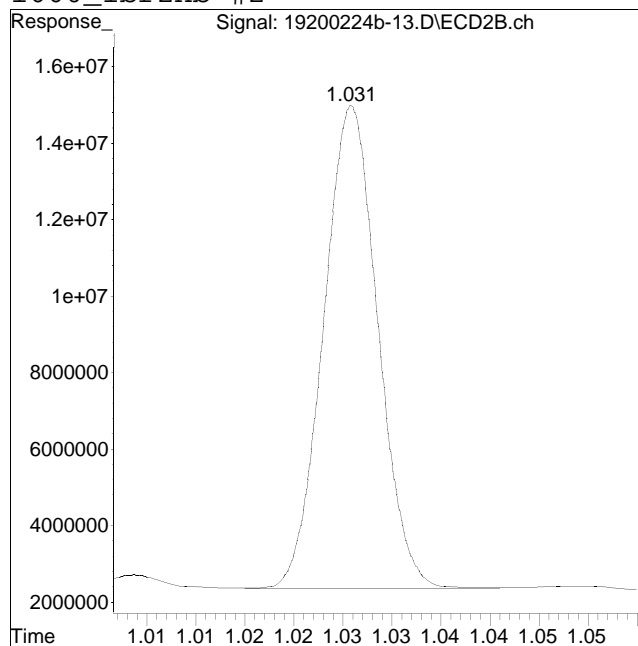
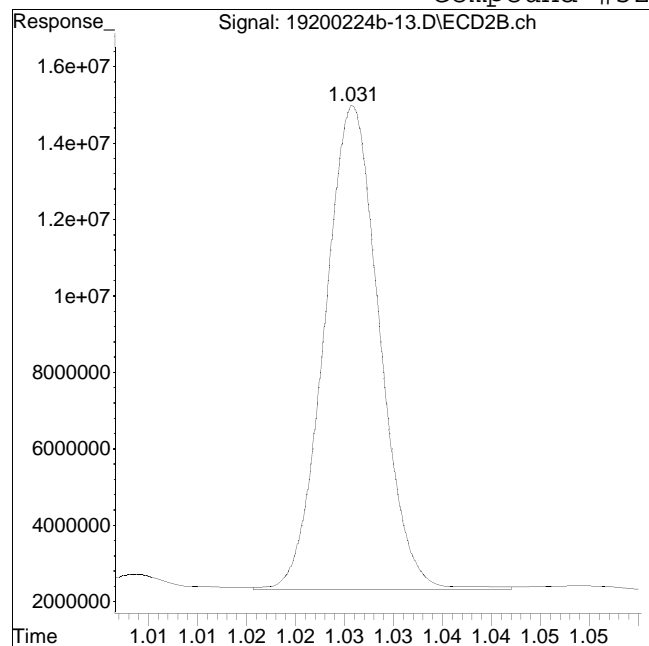
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-13.D
Date Inj'd : 2/24/2020 8:55 pm
Sample : 12007688-07,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 49428237

Manual Peak Response = 48602371 M4

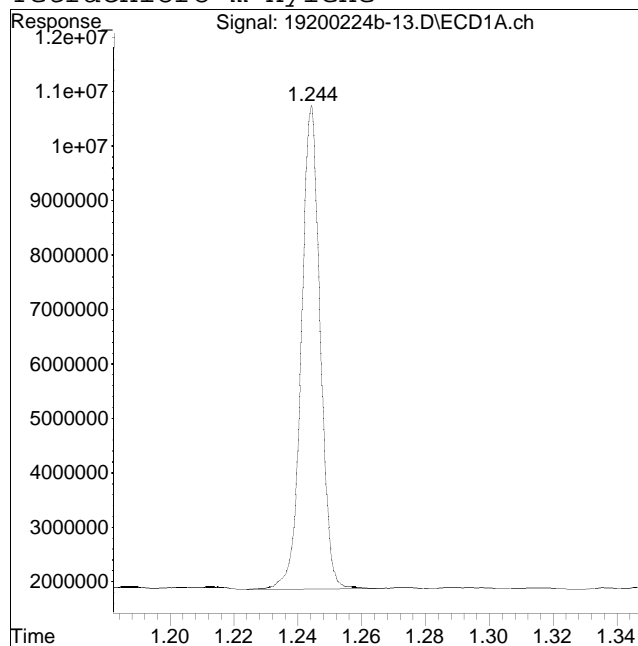
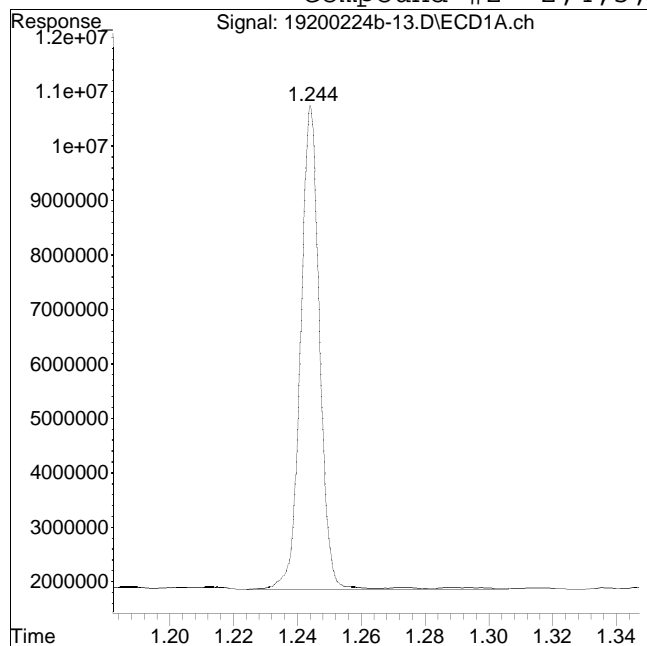
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-13.D
Date Inj'd : 2/24/2020 8:55 pm
Sample : 12007688-07,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 37471645

Manual Peak Response = 36426868 M4

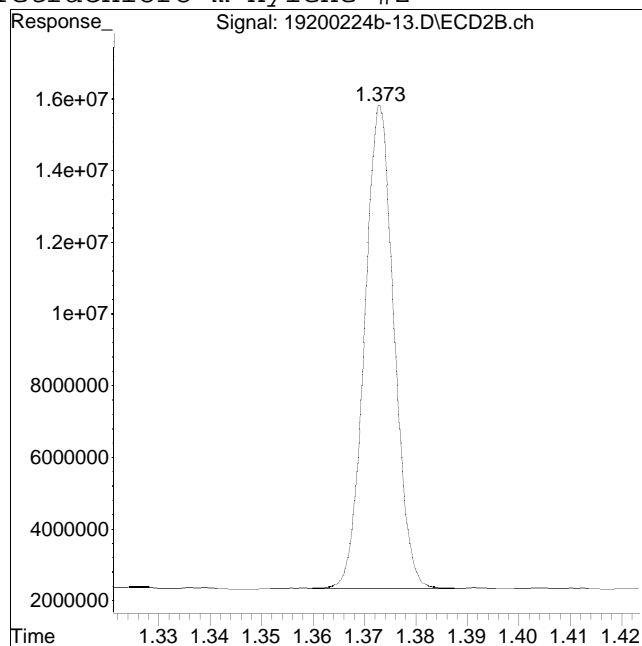
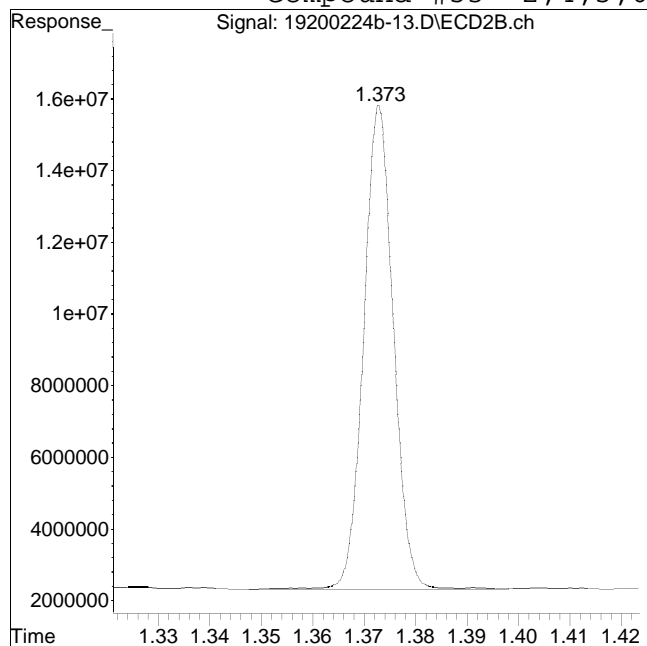
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-13.D
Date Inj'd : 2/24/2020 8:55 pm
Sample : 12007688-07,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 54589124

Manual Peak Response = 53203165 M4

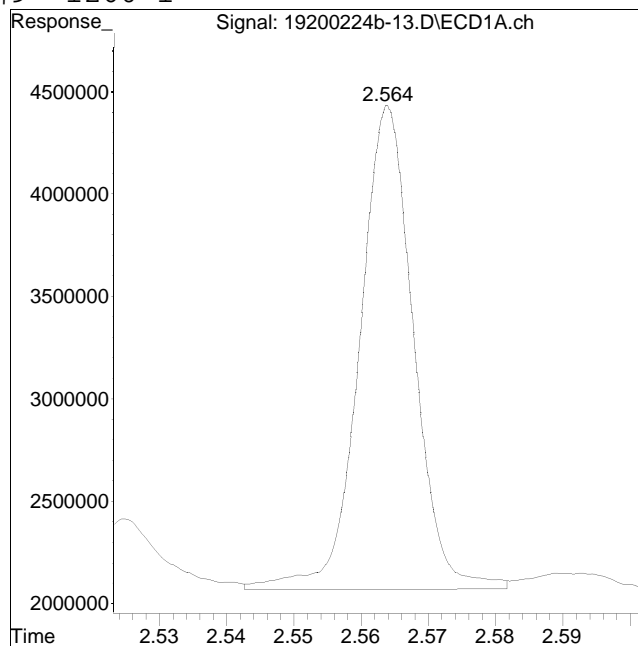
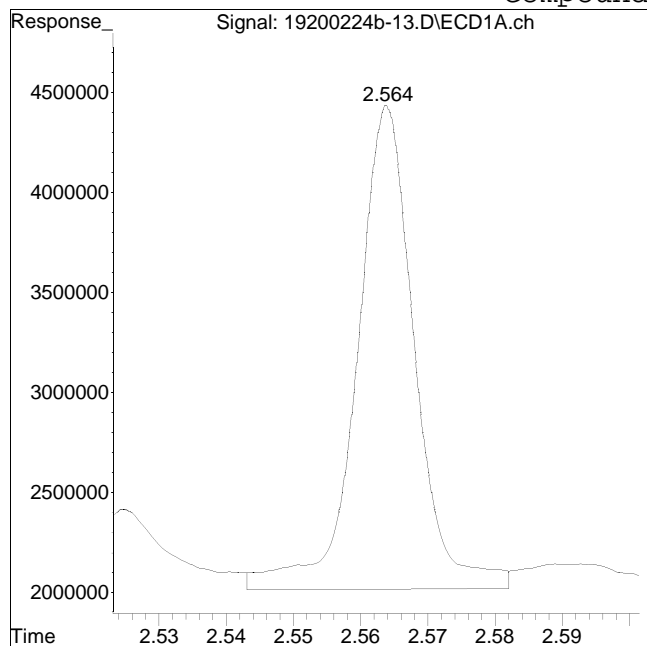
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-13.D
Date Inj'd : 2/24/2020 8:55 pm
Sample : 12007688-07,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #9: 1260-1



Original Peak Response = 14461772

Manual Peak Response = 13212050 M4

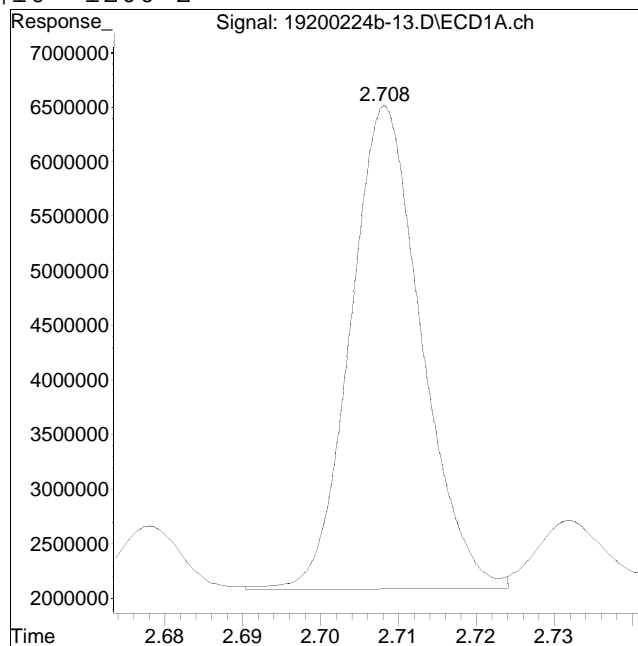
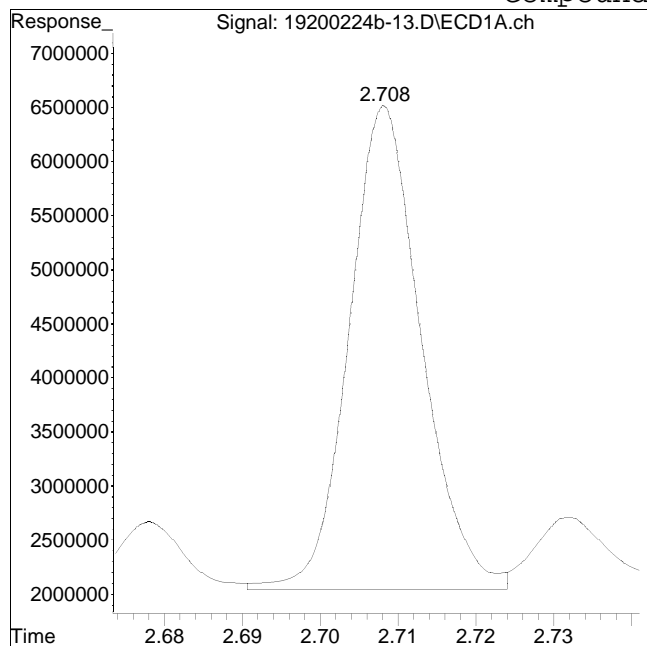
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-13.D
Date Inj'd : 2/24/2020 8:55 pm
Sample : 12007688-07,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #10: 1260-2



Original Peak Response = 28851667

Manual Peak Response = 27973196 M4

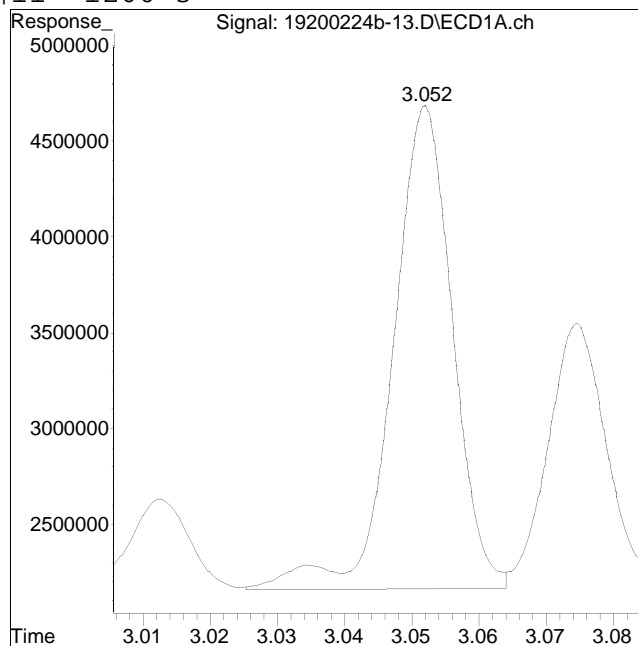
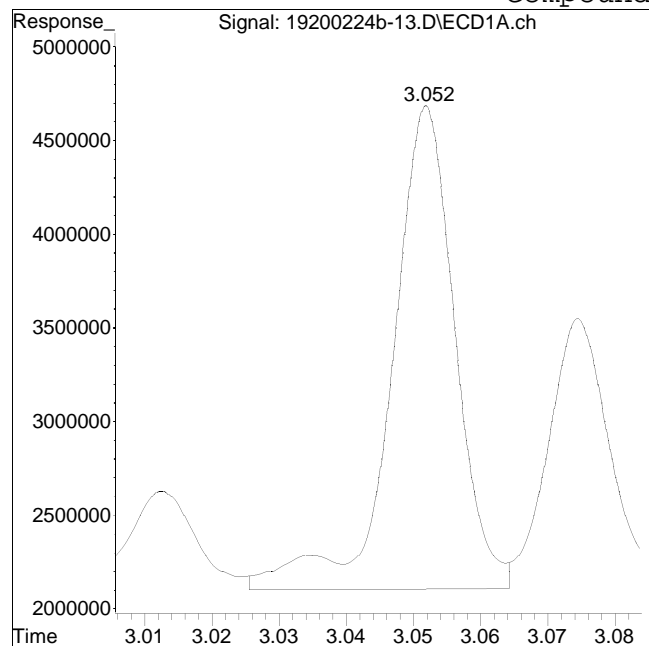
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-13.D
Date Inj'd : 2/24/2020 8:55 pm
Sample : 12007688-07,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #11: 1260-3



Original Peak Response = 16903961

Manual Peak Response = 15587692 M4

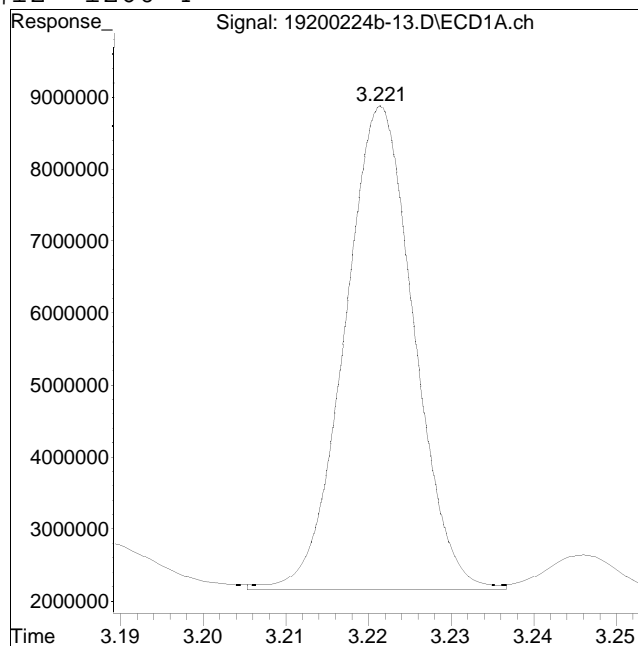
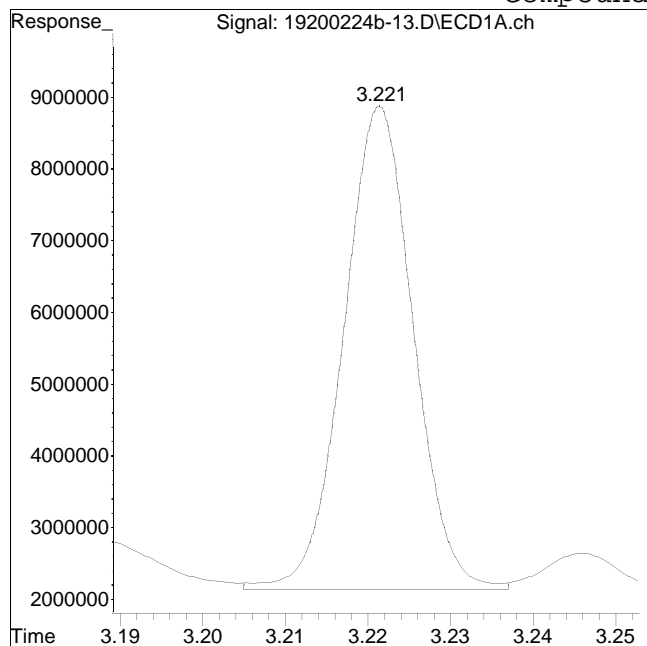
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-13.D
Date Inj'd : 2/24/2020 8:55 pm
Sample : 12007688-07,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #12: 1260-4



Original Peak Response = 39490448

Manual Peak Response = 38979563 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:02 pm
 Operator : pest19:cw
 Sample : 12007688-08,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:38:16 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.990	1.031	35993688	55484766	250.000	250.000
Standard Area 1 : #1 = 26646155					Recovery =	135.08%
Standard Area 1 : #2 = 40763919					Recovery =	136.11%
14) i 2154_1br2nb	0.990	1.031	35993688	55484766	250.000	250.000
23) i 4268_1br2nb	0.990	1.031	35993688	55484766	250.000	250.000
34) i 1248_1br2nb	0.990	1.031	35993688	55484766	250.000	250.000
40) i 3262_1br2nb	0.990	1.031	35993688	55484766	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.245	1.373	30272880	42807328	161.169	151.055M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	32.23%
3) s Decachlorobi	3.998	4.501	24876689	38554587	165.107	161.293
Spiked Amount 500.000	Range 30 - 150				Recovery =	33.02%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.564	2.946	11517077	16848269	1214.071M4	1128.813M1
10) l2 1260-2	2.708	3.059	23657216	29476435	1658.573M4	1682.967M1
11) l2 1260-3	3.052	3.476	13974999	19772945	1505.601M4	1295.225M1
12) l2 1260-4	3.222	3.618	34005108	53911822	1742.291	1678.174
13) l2 1260-5	3.379	3.829	28843461	38006737	2045.192M1	1703.068

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:02 pm
 Operator : pest19:cw
 Sample : 12007688-08,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:38:16 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1			112.0E6	158.0E6	8165.729	7488.248
Average 1260-1					1633.146	1497.650
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:02 pm
 Operator : pest19:cw
 Sample : 12007688-08,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:38:16 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:02 pm
 Operator : pest19:cw
 Sample : 12007688-08,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:38:16 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

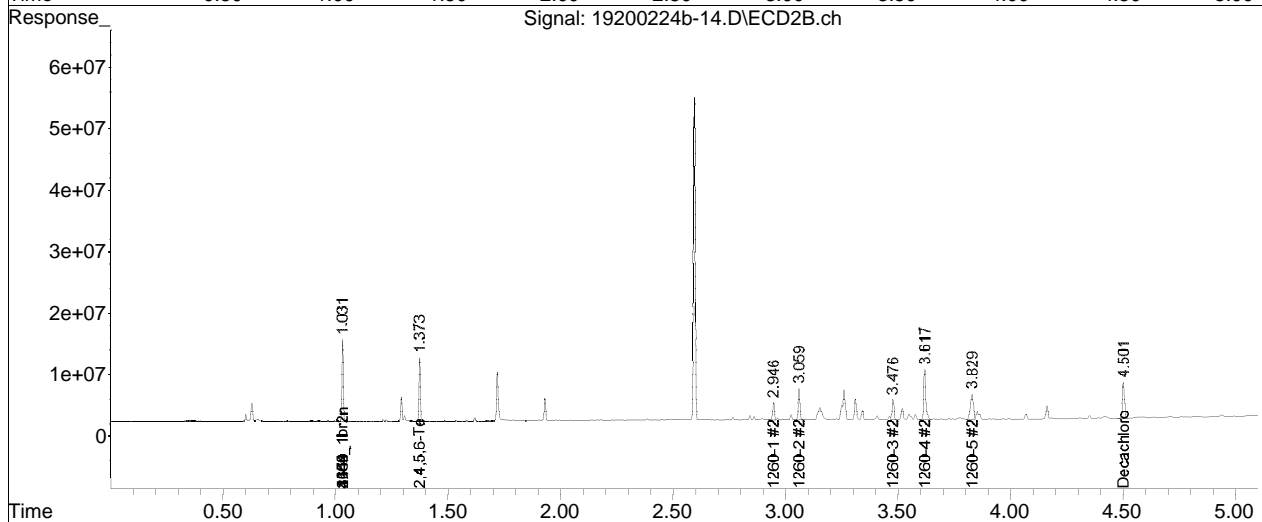
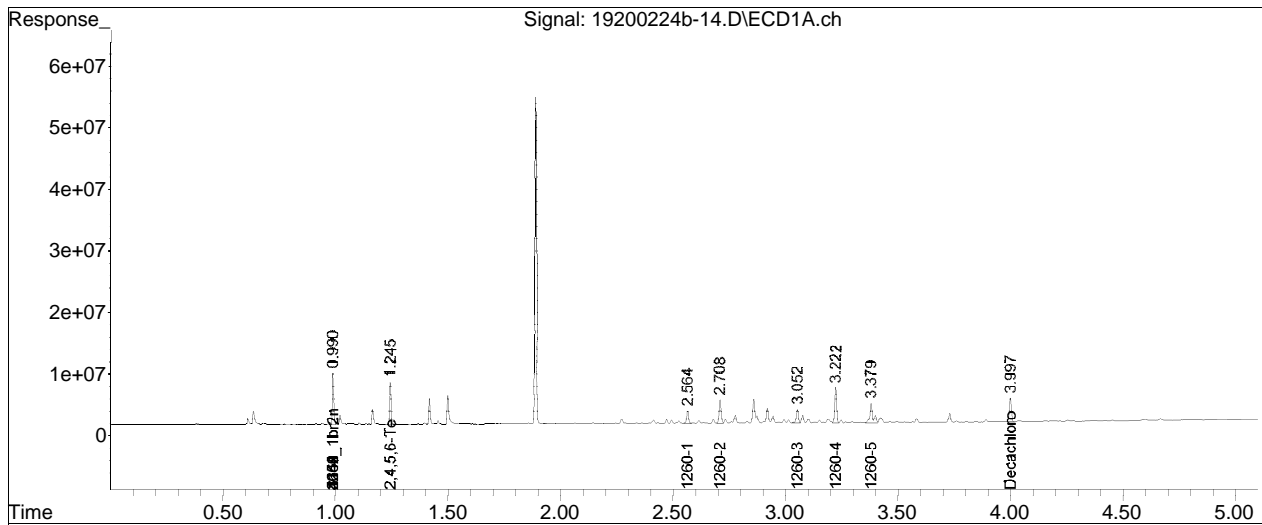
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listedb-02.D••d)

Data Path : I:\Pest19\200224b\
Data File : 19200224b-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 09:02 pm
Operator : pest19:cw
Sample : l2007688-08,42e,,
Misc : wg1343938,wg1343629,ical16321
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:38:16 2020
Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

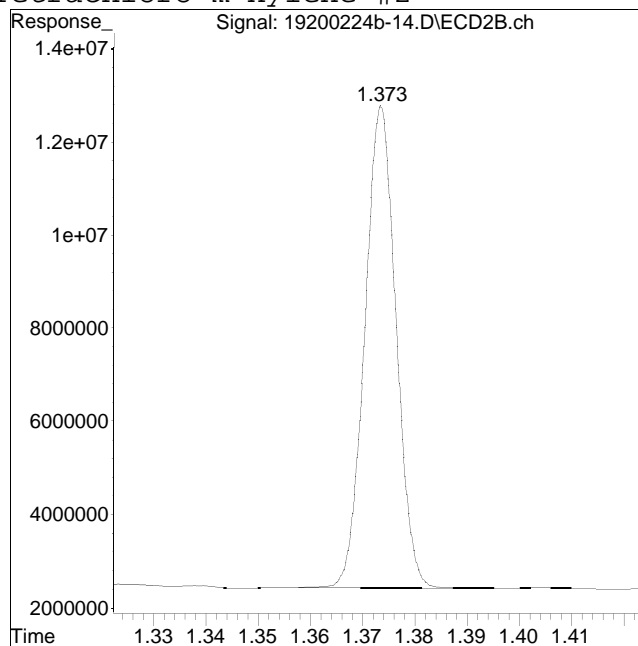
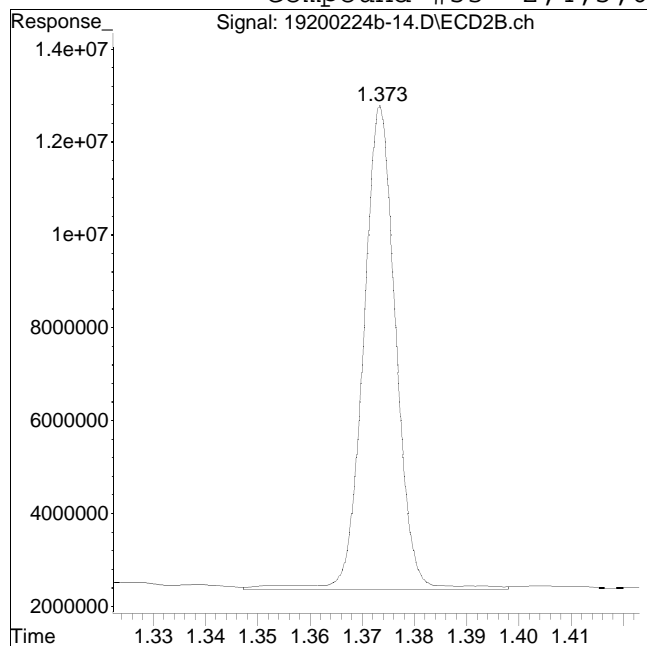


Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-14.D
Date Inj'd : 2/24/2020 9:02 pm
Sample : 12007688-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 45080271

Manual Peak Response = 42807328 M4

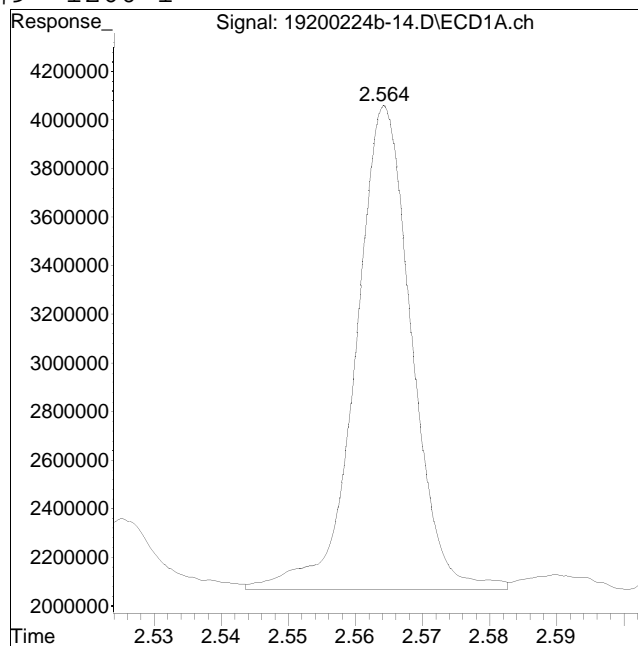
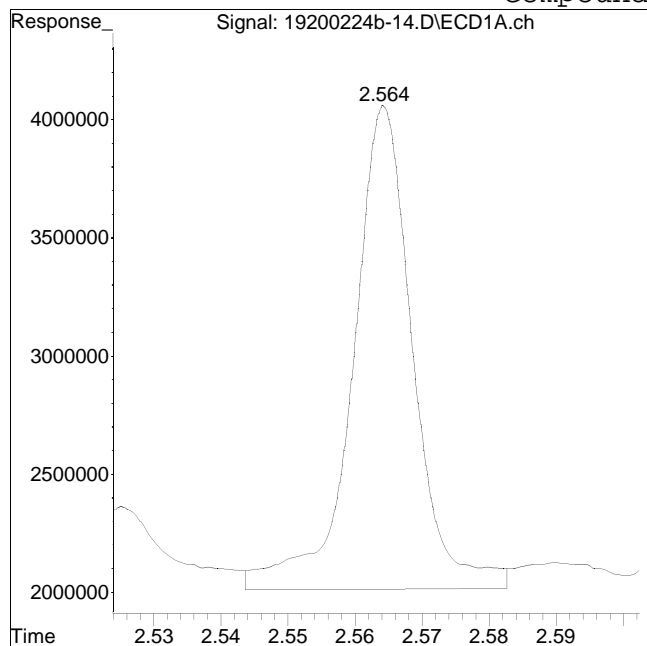
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-14.D
Date Inj'd : 2/24/2020 9:02 pm
Sample : 12007688-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #9: 1260-1



Original Peak Response = 12771640

Manual Peak Response = 11517077 M4

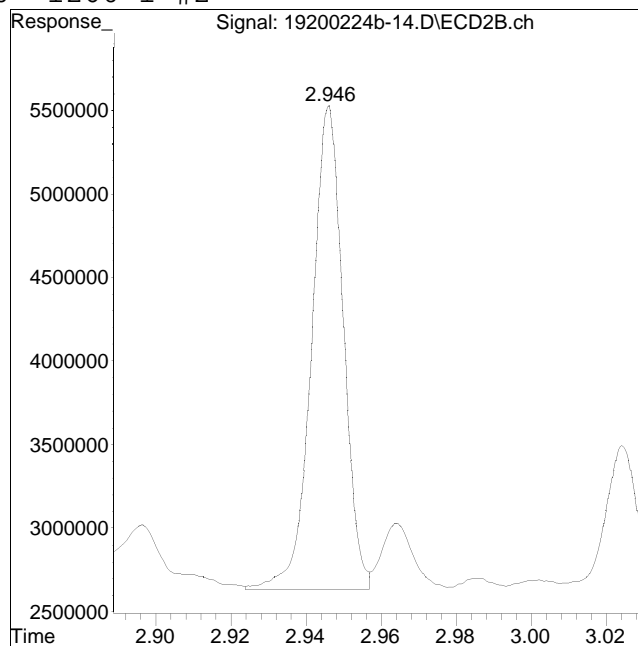
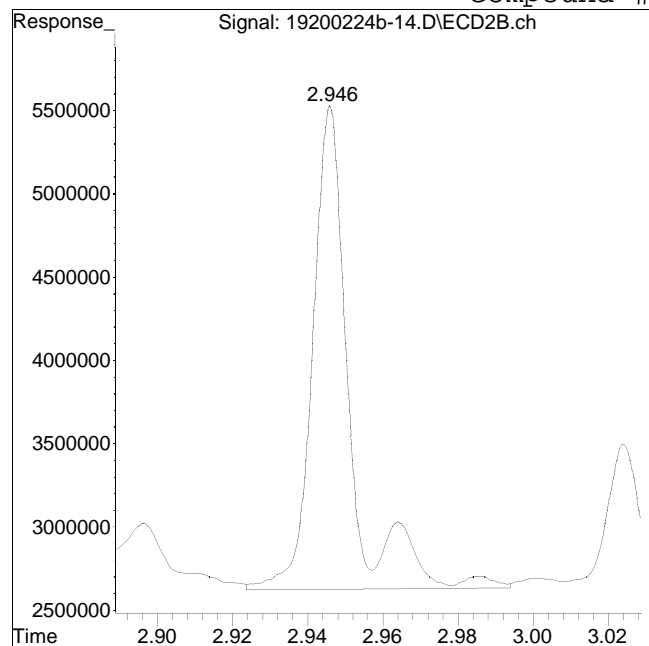
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-14.D
Date Inj'd : 2/24/2020 9:02 pm
Sample : 12007688-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #60: 1260-1 #2



Original Peak Response = 19913319

Manual Peak Response = 16848269 M1

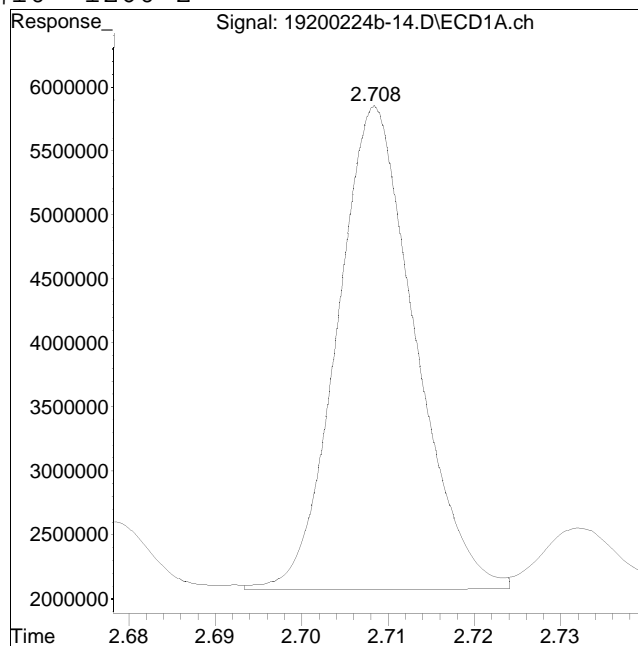
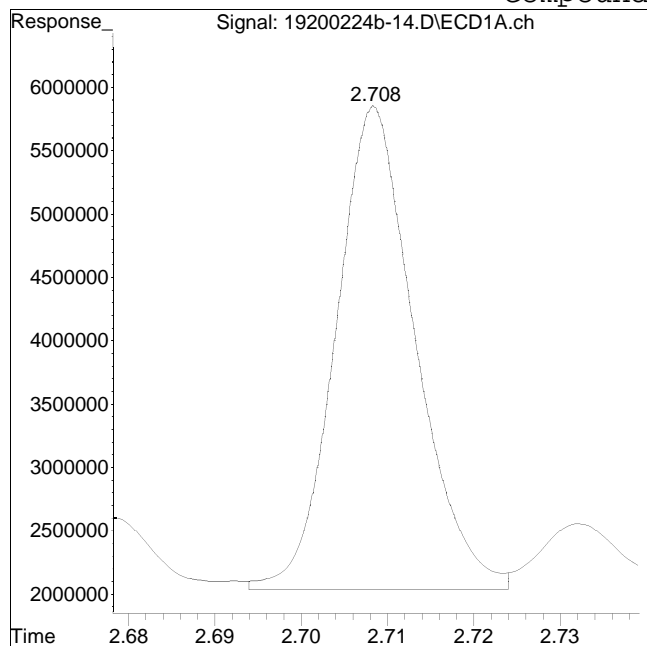
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-14.D
Date Inj'd : 2/24/2020 9:02 pm
Sample : 12007688-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #10: 1260-2



Original Peak Response = 24338589

Manual Peak Response = 23657216 M4

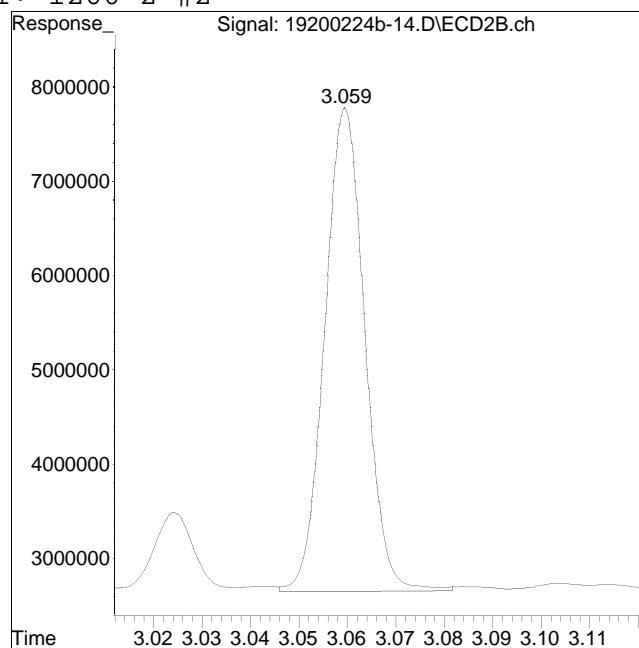
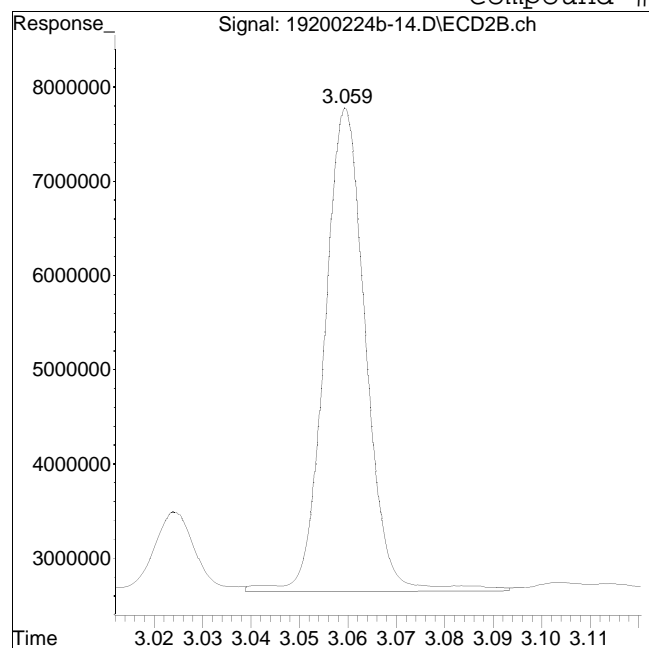
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-14.D
Date Inj'd : 2/24/2020 9:02 pm
Sample : 12007688-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #61: 1260-2 #2



Original Peak Response = 30292614

Manual Peak Response = 29476435 M1

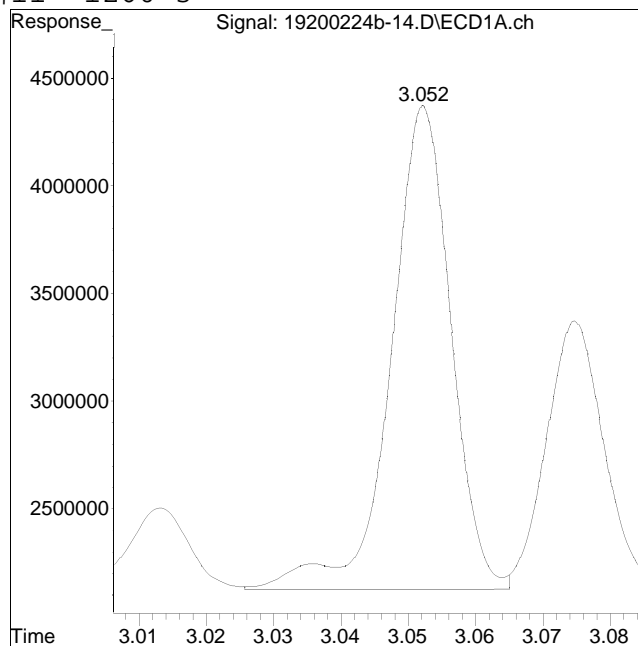
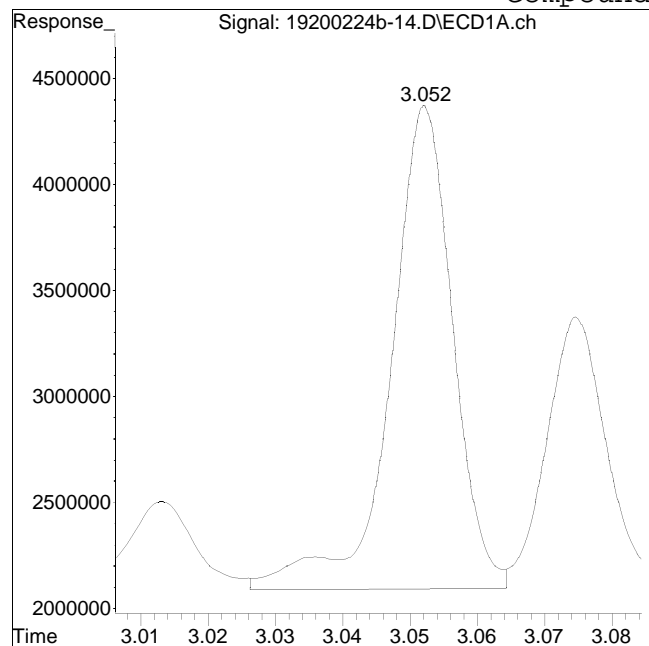
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-14.D
Date Inj'd : 2/24/2020 9:02 pm
Sample : 12007688-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #11: 1260-3



Original Peak Response = 14753384

Manual Peak Response = 13974999 M4

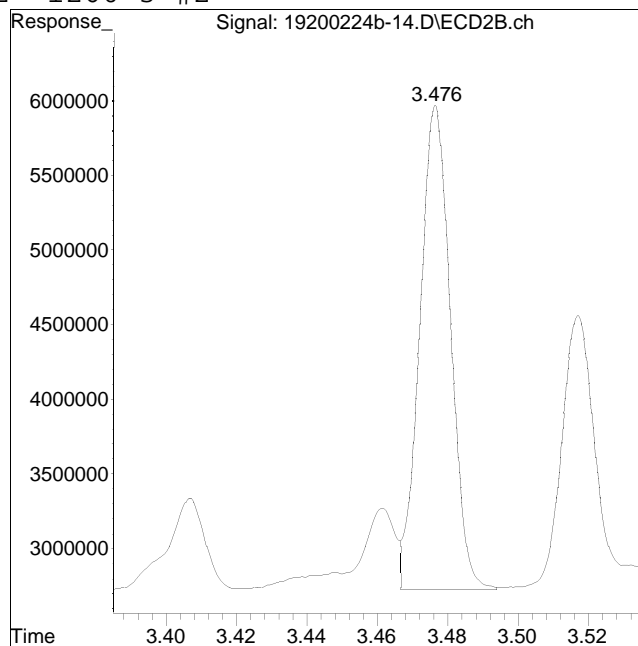
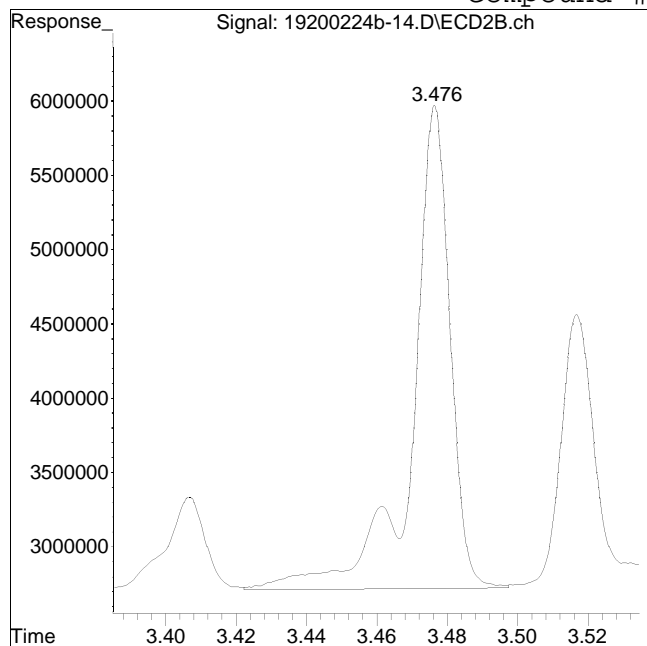
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-14.D
Date Inj'd : 2/24/2020 9:02 pm
Sample : 12007688-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #62: 1260-3 #2



Original Peak Response = 24615837

Manual Peak Response = 19772945 M1

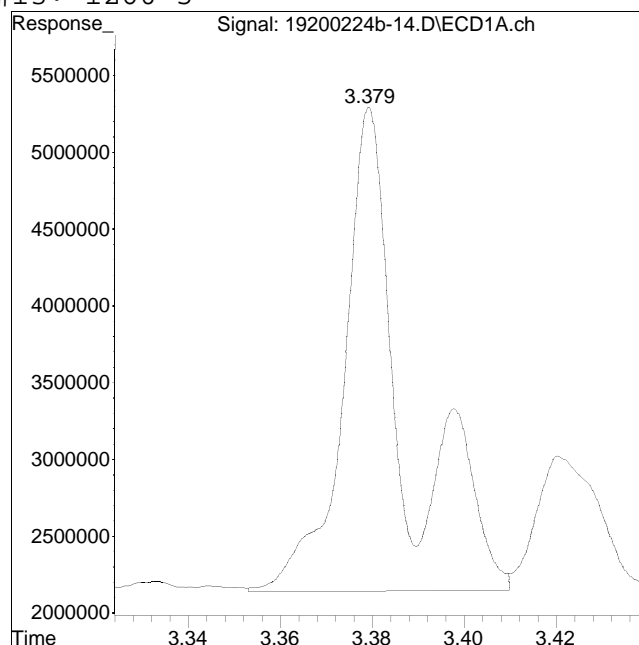
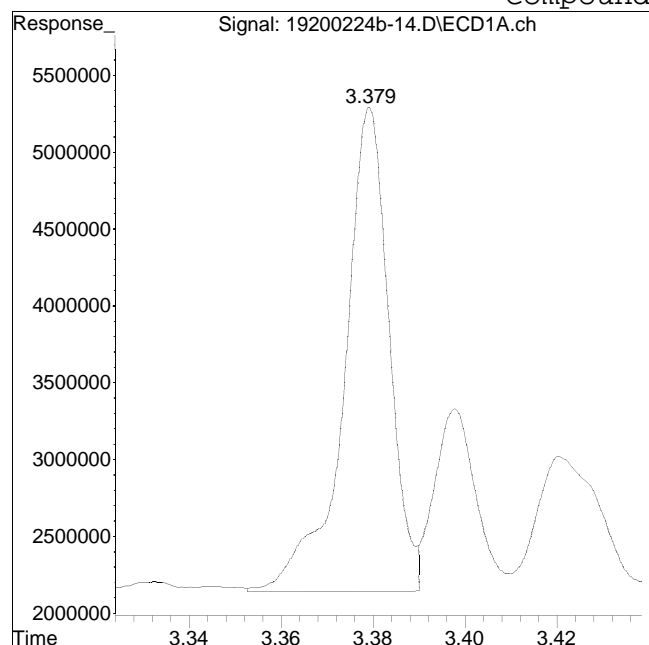
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-14.D
Date Inj'd : 2/24/2020 9:02 pm
Sample : 12007688-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #13: 1260-5



Original Peak Response = 21378750

Manual Peak Response = 28843461 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:09 pm
 Operator : pest19:cw
 Sample : 12007688-09,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:40:54 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.990	1.031	33141426	51209186	250.000	250.000
Standard Area 1 : #1 = 26646155					Recovery = 124.38%	
Standard Area 1 : #2 = 40763919					Recovery = 125.62%	
14) i 2154_1br2nb	0.990	1.031	33141426	51209186	250.000	250.000
23) i 4268_1br2nb	0.990	1.031	33141426	51209186	250.000	250.000
34) i 1248_1br2nb	0.990	1.031	33141426	51209186	250.000	250.000
40) i 3262_1br2nb	0.990	1.031	33141426	51209186	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.245	1.373	31788377	45150424	183.802	172.626M4
Spiked Amount 500.000	Range 30 - 150				Recovery = 36.76%	34.53%
3) s Decachlorobi	3.997	4.502	26930181	39893732	194.119M4	180.830
Spiked Amount 500.000	Range 30 - 150				Recovery = 38.82%	36.17%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.564	2.945	6793107	10064262	777.724M4	730.592M4
10) l2 1260-2	2.708	3.059	13196231	15710967	1004.792M4	971.917M1
11) l2 1260-3	3.051	3.477	7613255	13486353	890.807M4	957.181
12) l2 1260-4	3.221	3.618	17837371	27977527	992.573M4	943.601
13) l2 1260-5	3.378	3.829	14746575	20840744	1135.620M1	1011.837
Sum 1260-1			60186539	88079852	4801.516	4615.128

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:09 pm
 Operator : pest19:cw
 Sample : 12007688-09,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:40:54 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					960.303	923.026
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:09 pm
 Operator : pest19:cw
 Sample : 12007688-09,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:40:54 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:09 pm
 Operator : pest19:cw
 Sample : 12007688-09,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:40:54 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

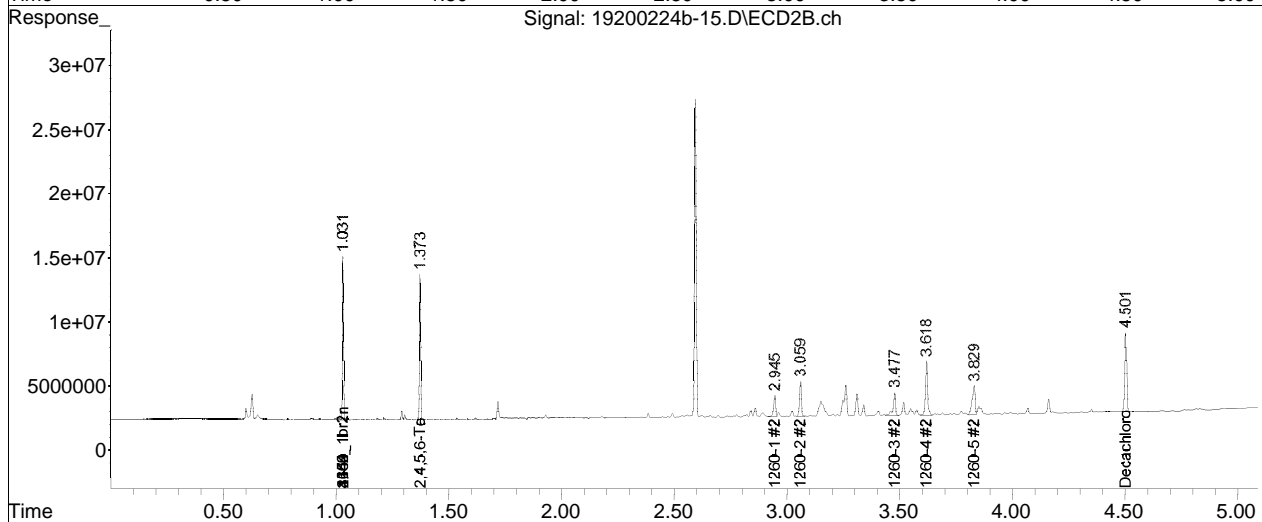
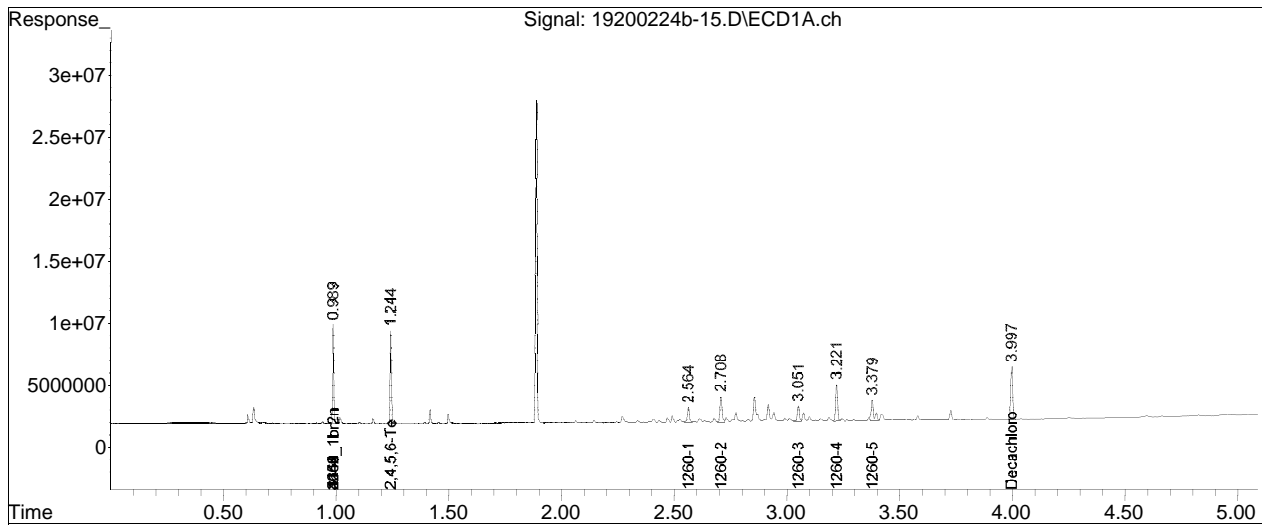
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listedb-02.D••d)

Data Path : I:\Pest19\200224b\
Data File : 19200224b-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 09:09 pm
Operator : pest19:cw
Sample : 12007688-09,42e,,
Misc : wg1343938,wg1343629,ical16321
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:40:54 2020
Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

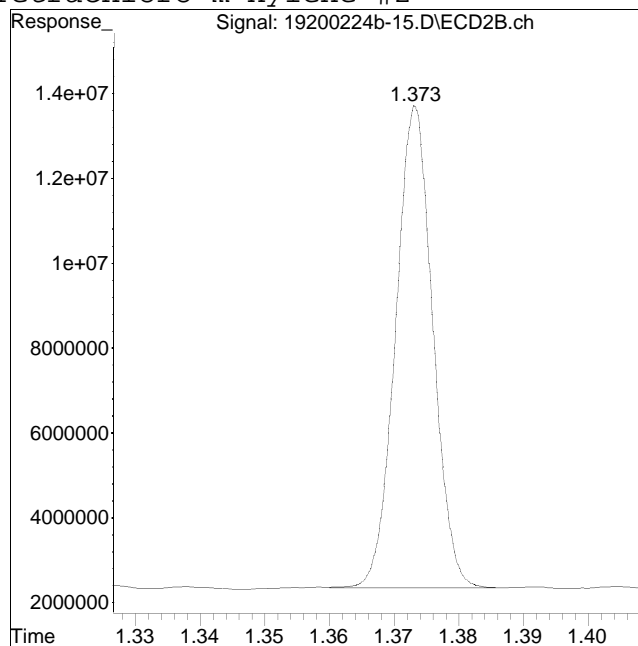
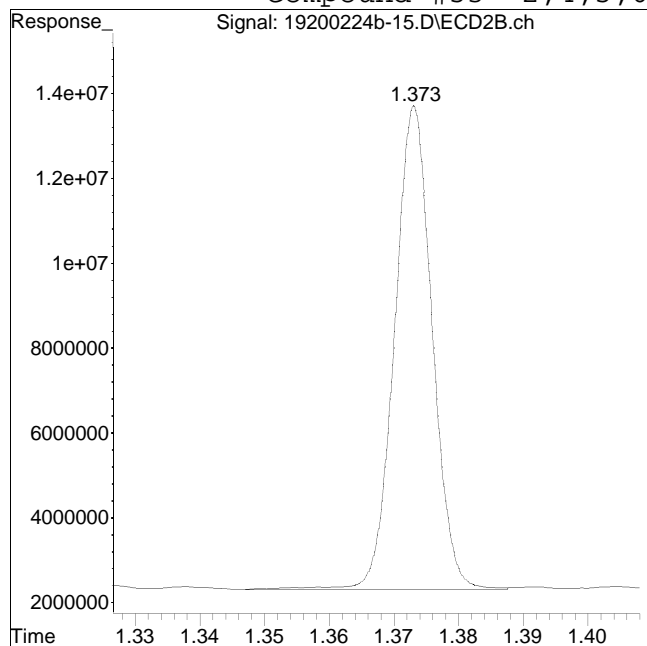


Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-15.D
Date Inj'd : 2/24/2020 9:09 pm
Sample : 12007688-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 46208131

Manual Peak Response = 45150424 M4

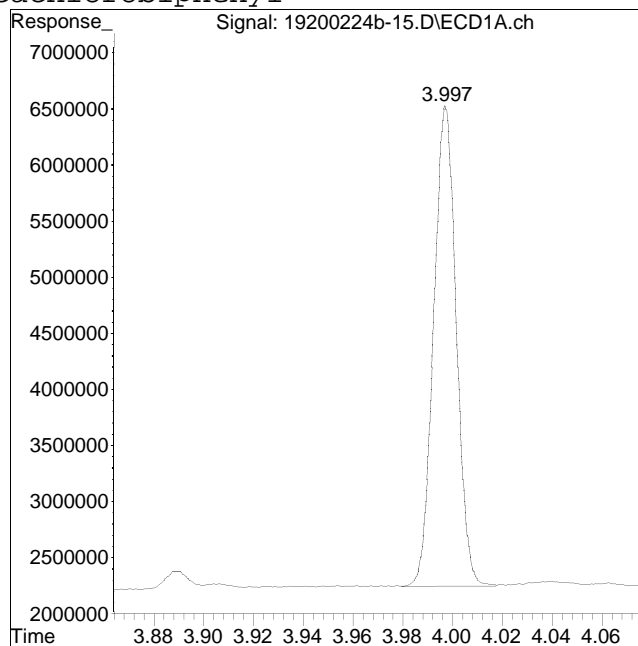
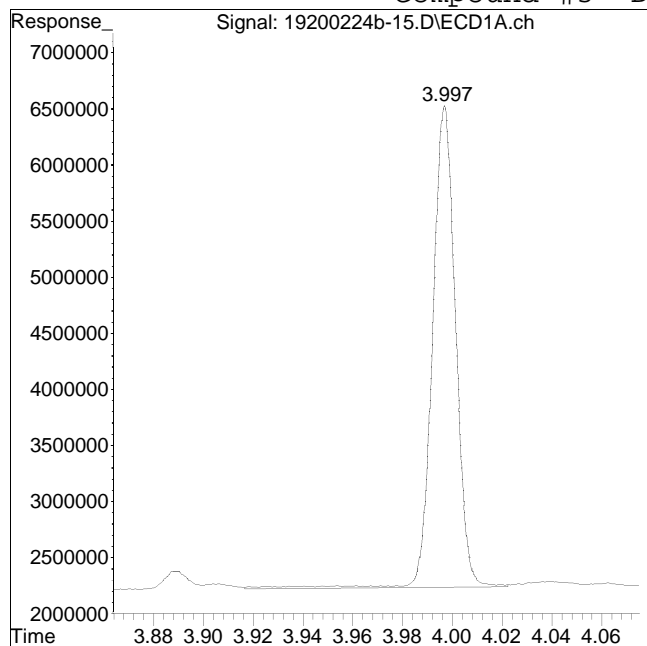
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-15.D
Date Inj'd : 2/24/2020 9:09 pm
Sample : 12007688-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 27788297

Manual Peak Response = 26930181 M4

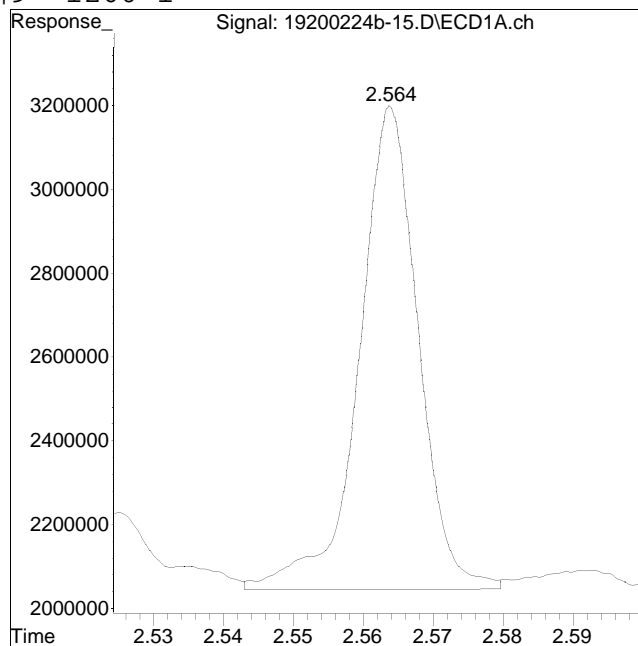
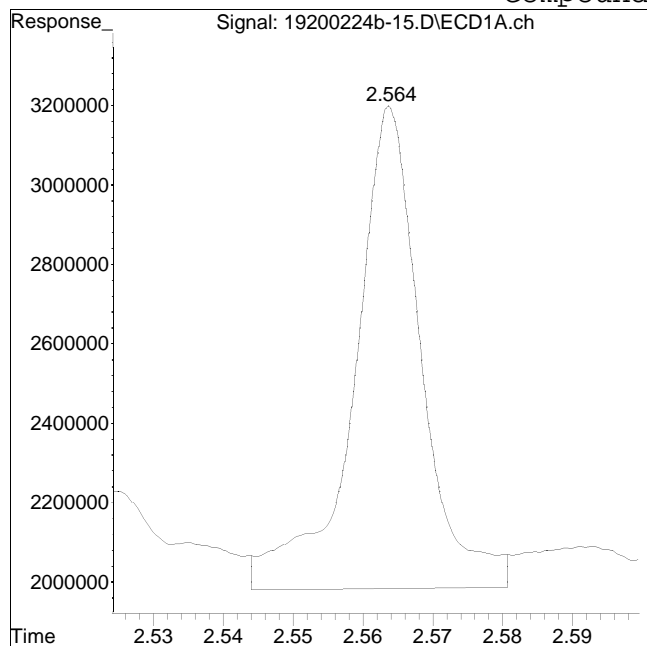
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-15.D
Date Inj'd : 2/24/2020 9:09 pm
Sample : 12007688-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #9: 1260-1



Original Peak Response = 8145927

Manual Peak Response = 6793107 M4

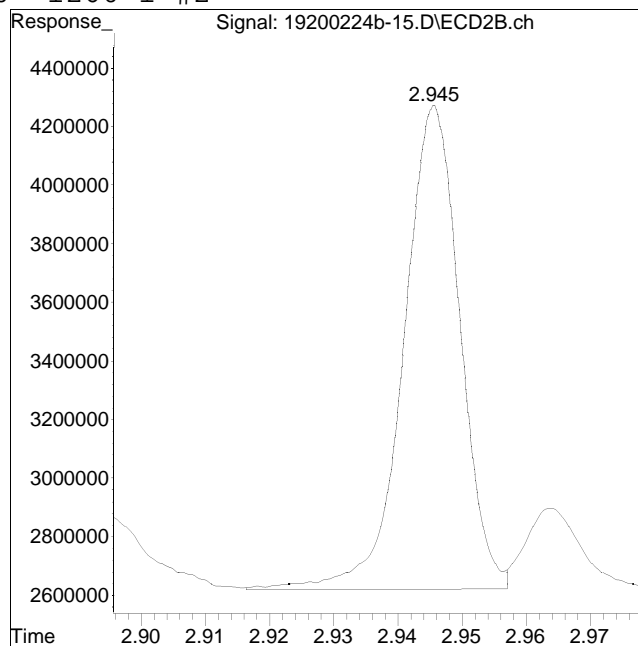
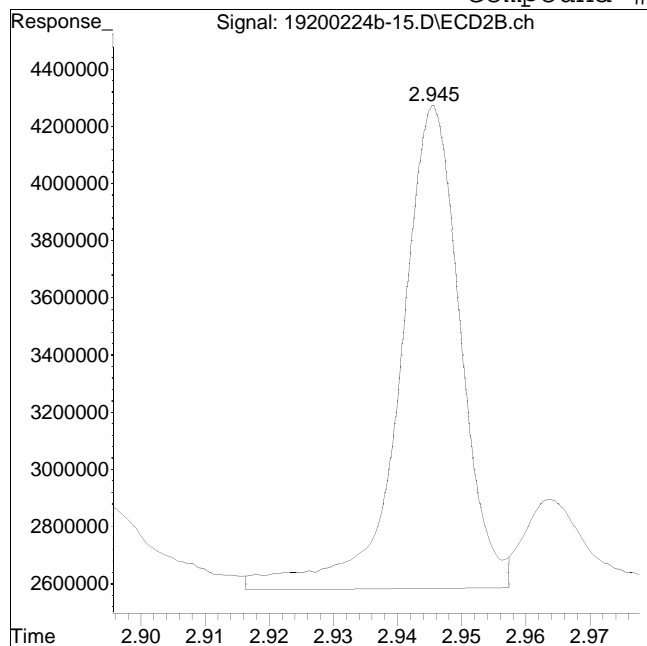
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-15.D
Date Inj'd : 2/24/2020 9:09 pm
Sample : 12007688-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #60: 1260-1 #2



Original Peak Response = 10998891

Manual Peak Response = 10064262 M4

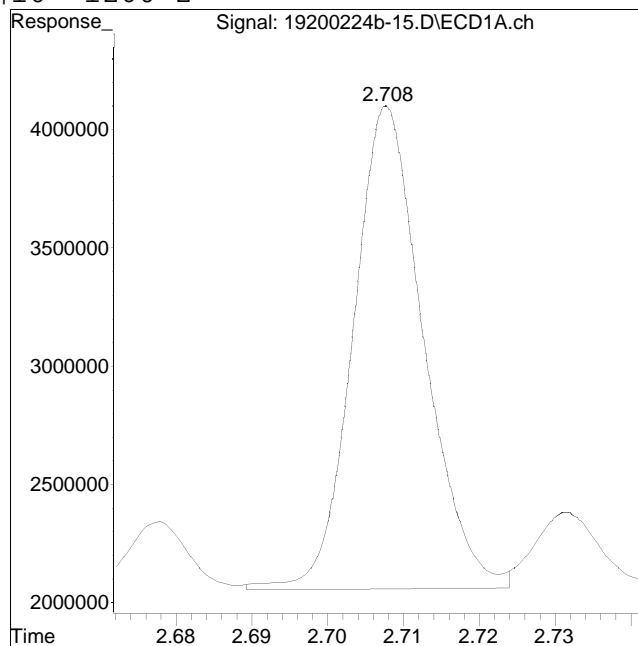
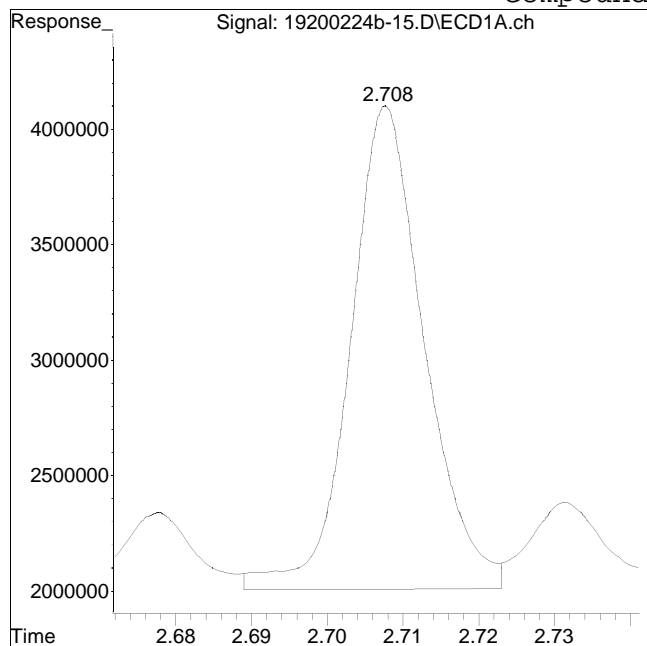
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-15.D
Date Inj'd : 2/24/2020 9:09 pm
Sample : 12007688-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #10: 1260-2



Original Peak Response = 14171223

Manual Peak Response = 13196231 M4

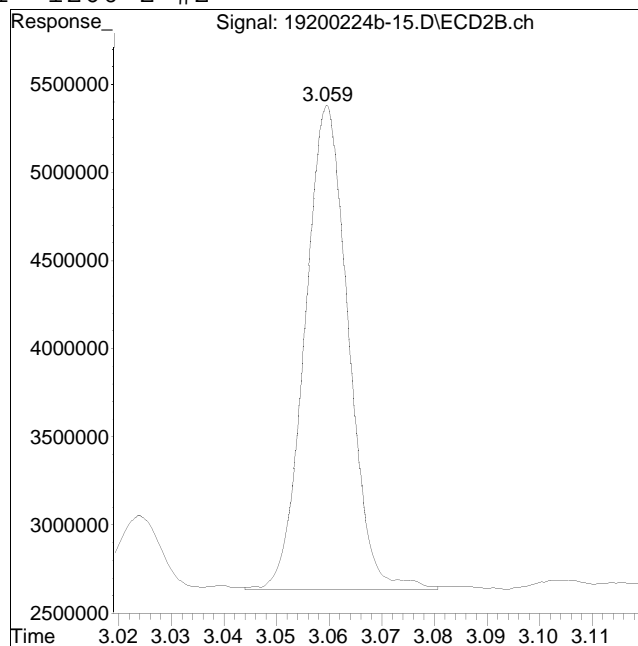
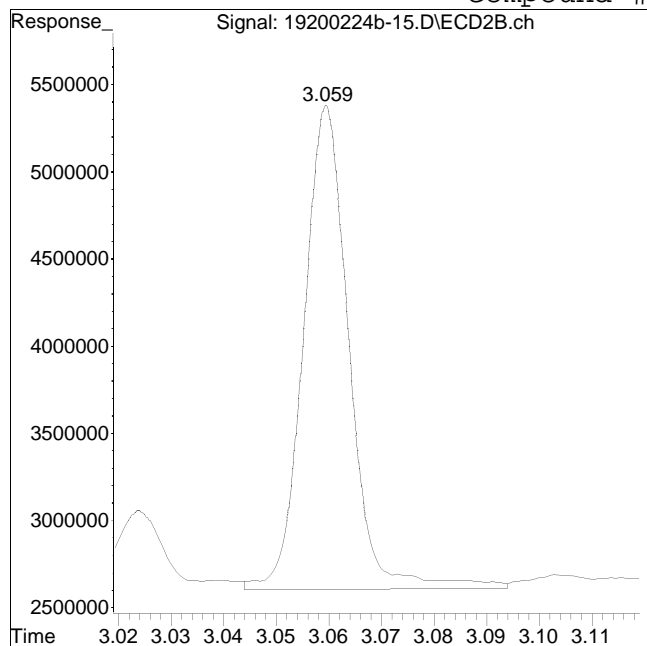
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-15.D
Date Inj'd : 2/24/2020 9:09 pm
Sample : 12007688-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #61: 1260-2 #2



Original Peak Response = 16663380

Manual Peak Response = 15710967 M1

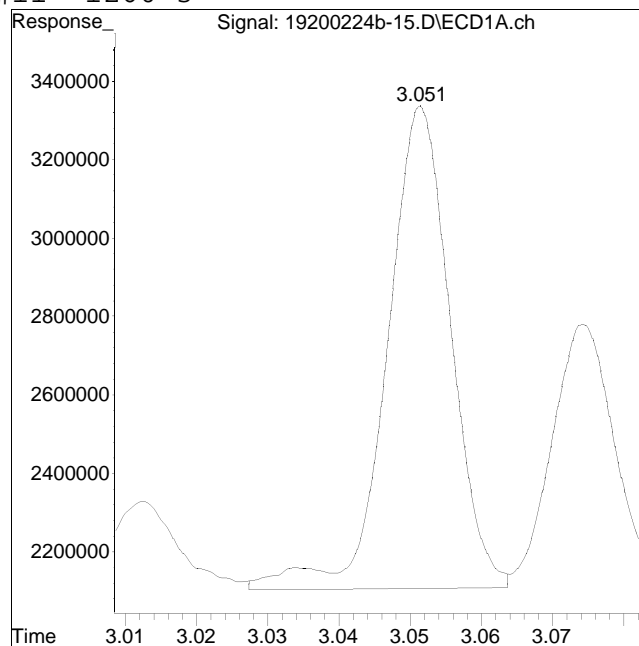
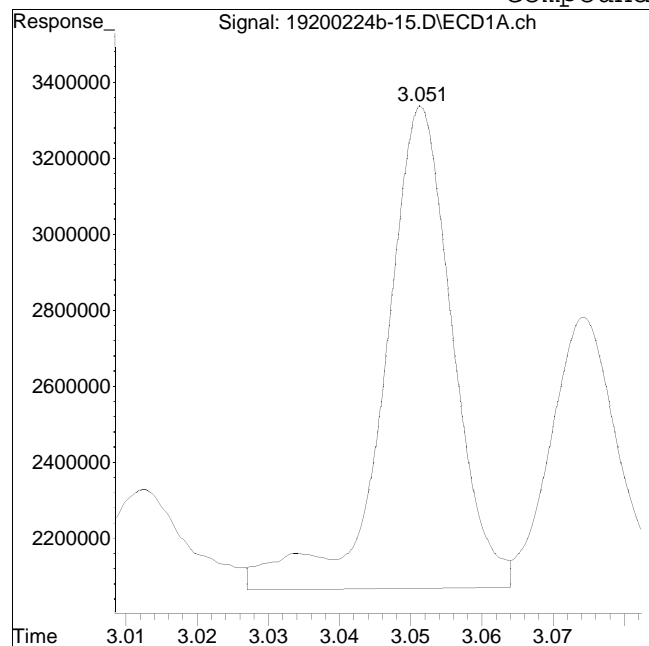
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-15.D
Date Inj'd : 2/24/2020 9:09 pm
Sample : 12007688-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #11: 1260-3



Original Peak Response = 8457982

Manual Peak Response = 7613255 M4

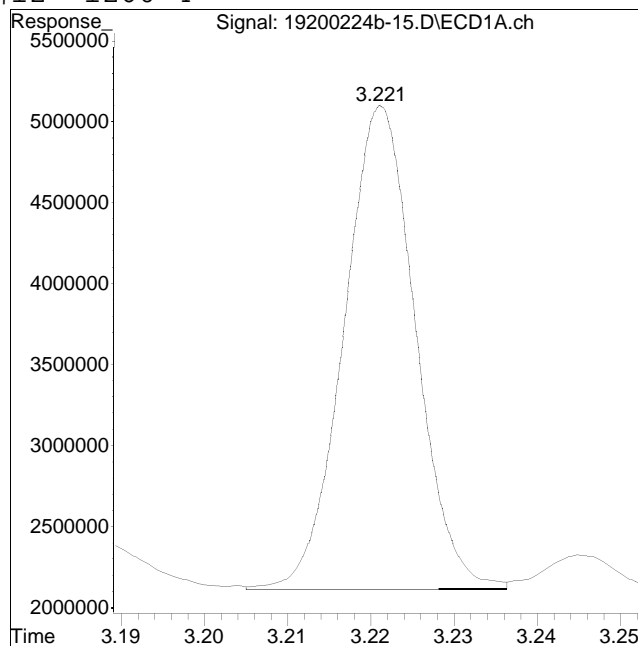
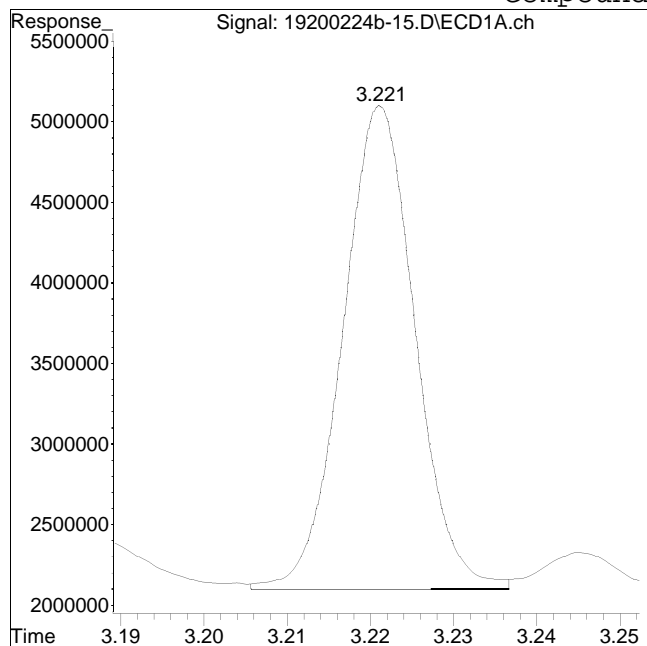
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-15.D
Date Inj'd : 2/24/2020 9:09 pm
Sample : 12007688-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #12: 1260-4



Original Peak Response = 18112756

Manual Peak Response = 17837371 M4

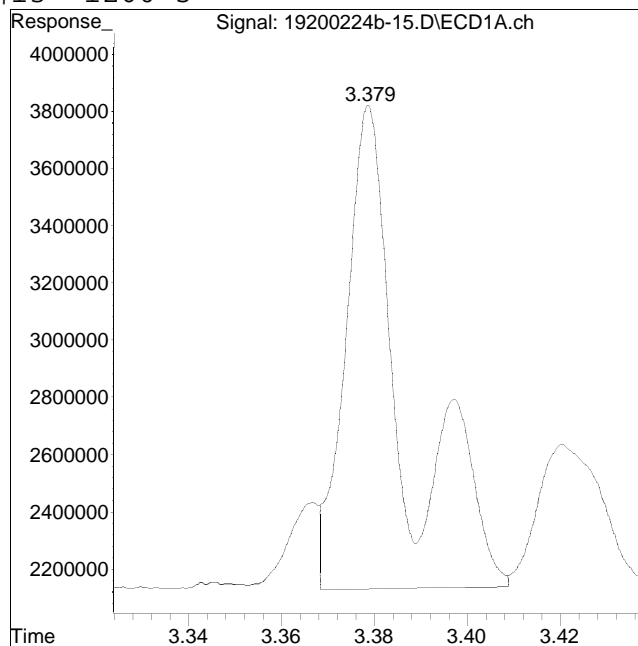
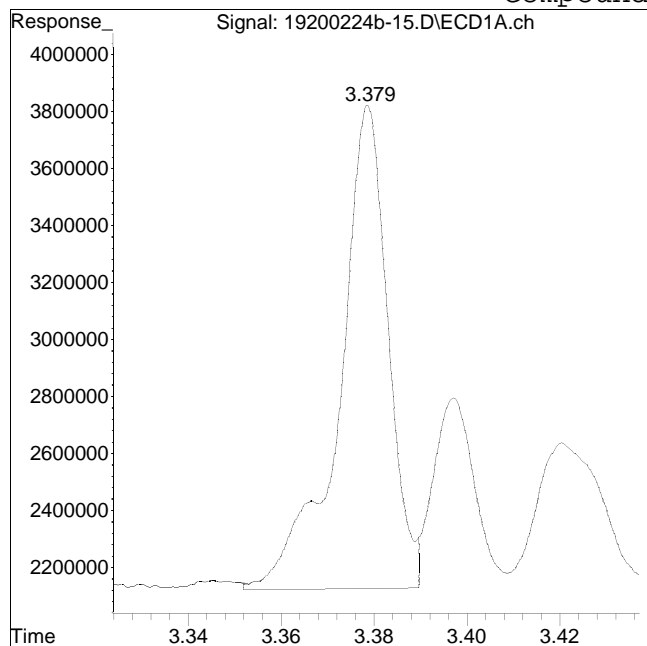
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-15.D
Date Inj'd : 2/24/2020 9:09 pm
Sample : 12007688-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:14 pm

Compound #13: 1260-5



Original Peak Response = 12232183

Manual Peak Response = 14746575 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:16 pm
 Operator : pest19:cw
 Sample : l2007688-10,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:45:46 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.989	1.031	35083236	53140770	250.000M4	250.000M4
Standard Area 1 : #1 = 26646155					Recovery = 131.66%	
Standard Area 1 : #2 = 40763919					Recovery = 130.36%	
14) i 2154_1br2nb	0.989	1.031	35083236	53140770	250.000M4	250.000M4
23) i 4268_1br2nb	0.989	1.031	35083236	53140770	250.000M4	250.000M4
34) i 1248_1br2nb	0.989	1.031	35083236	53140770	250.000M4	250.000M4
40) i 3262_1br2nb	0.989	1.031	35083236	53140770	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.244	1.373	32146859	46232776	175.587M4	170.339M4
Spiked Amount 500.000 Range 30 - 150					Recovery = 35.12%	34.07%
3) s Decachlorobi	3.997	4.502	26736176	39567230	182.053M4	172.831
Spiked Amount 500.000 Range 30 - 150					Recovery = 36.41%	34.57%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.564	2.945	2715619	4465052	293.696M1	312.348M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:16 pm
 Operator : pest19:cw
 Sample : 12007688-10,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:45:46 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12	1260-2	2.708	3.060	5837617	7376669	419.888M4	439.751M4
11) 12	1260-3	3.052	3.477	2918490	4626783	322.584M4	316.445
12) 12	1260-4	3.221	3.618	7700490	12377717	404.782M1	402.290
13) 12	1260-5	3.379	3.830	6043506	8425718	439.645M1	394.207
	Sum 1260-1			25215723	37271939	1880.595	1865.042
	Average 1260-1					376.119	373.008
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:16 pm
 Operator : pest19:cw
 Sample : 12007688-10,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:45:46 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:16 pm
 Operator : pest19:cw
 Sample : 12007688-10,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:45:46 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

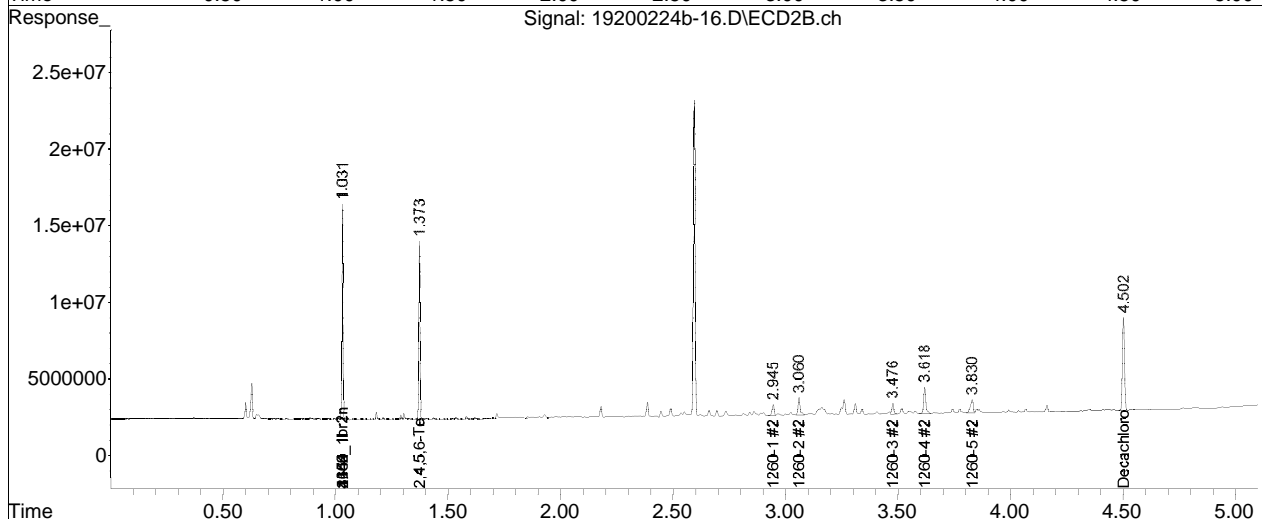
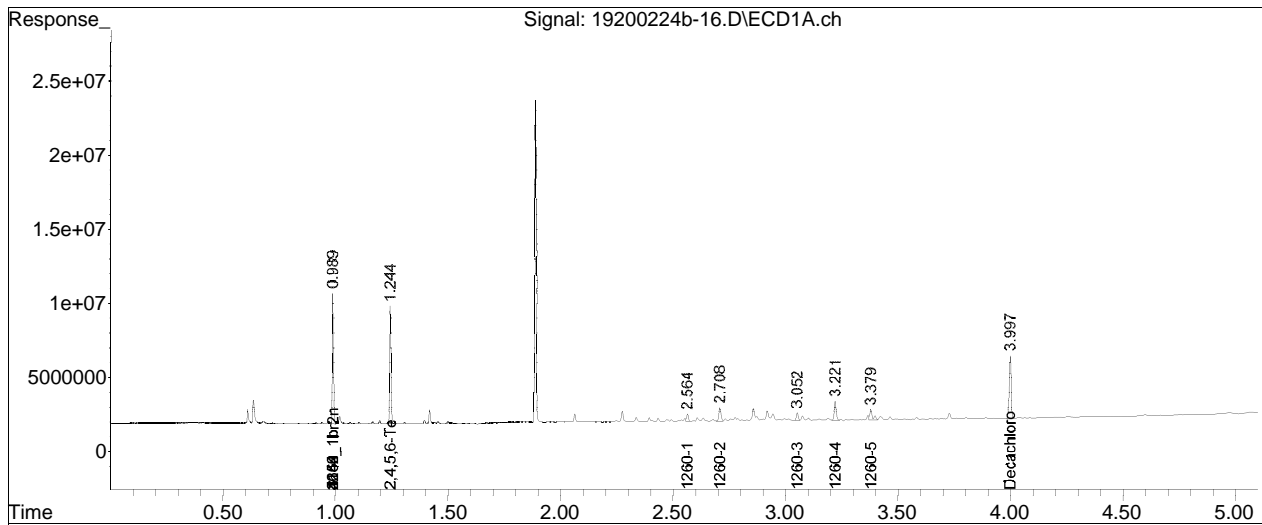
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-02.D••d)

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 09:16 pm
Operator : pest19:cw
Sample : l2007688-10,42e,,
Misc : wg1343938,wg1343629,ical16321
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:45:46 2020
Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

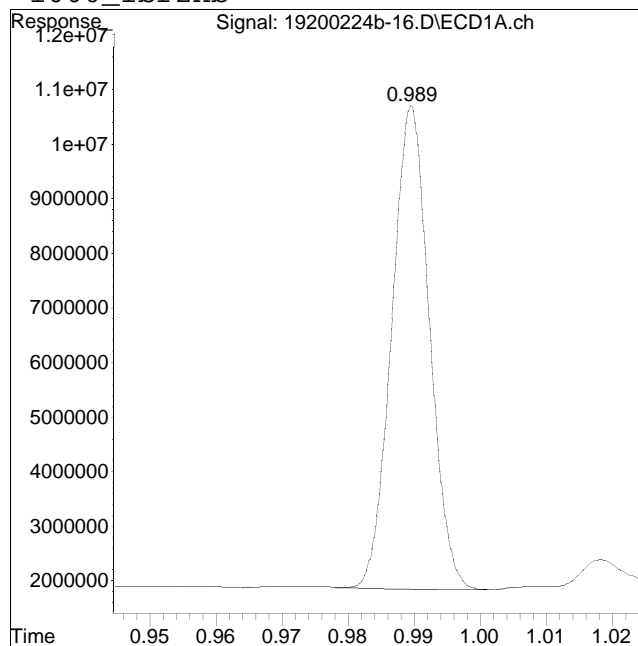
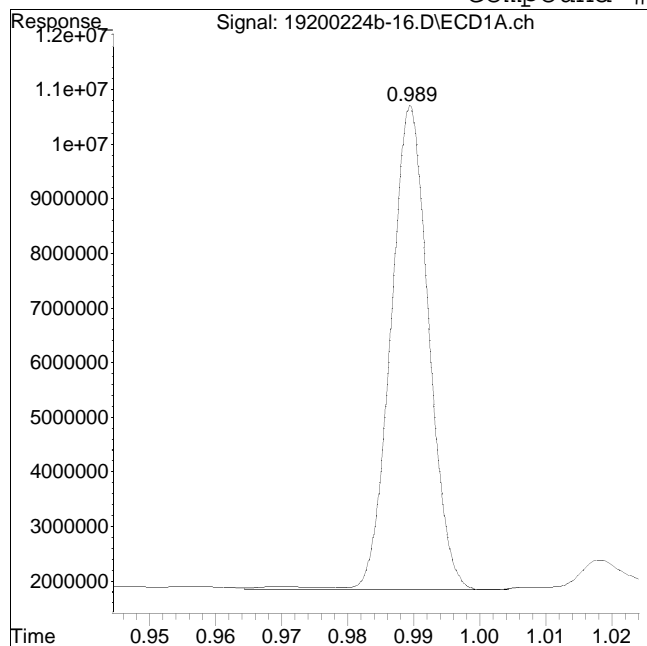


Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Date Inj'd : 2/24/2020 9:16 pm
Sample : 12007688-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #1: 1660_1br2nb



Original Peak Response = 35265436

Manual Peak Response = 35083236 M4

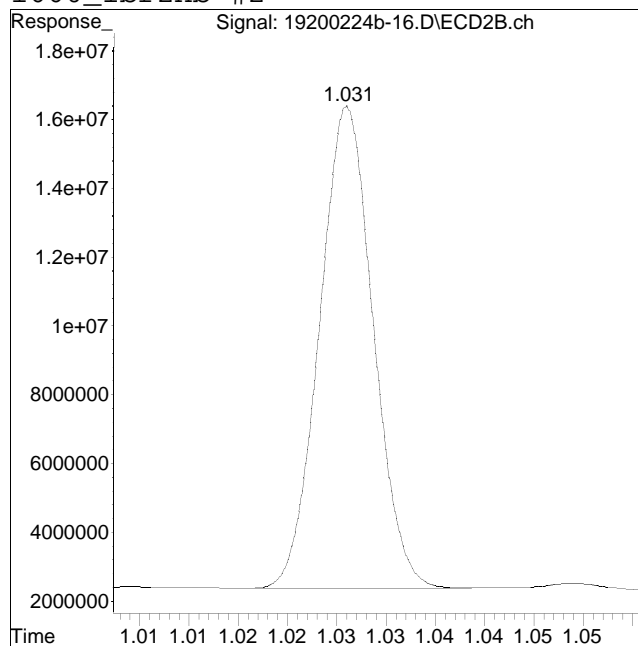
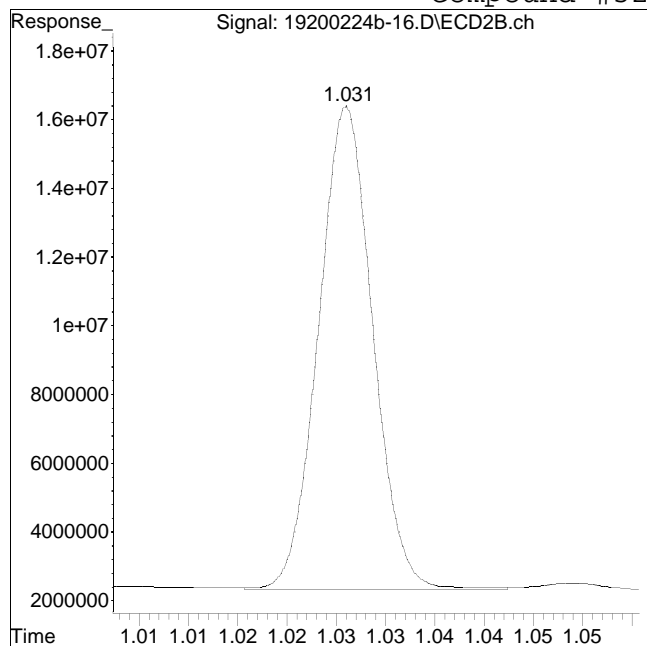
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Date Inj'd : 2/24/2020 9:16 pm
Sample : 12007688-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 54064580

Manual Peak Response = 53140770 M4

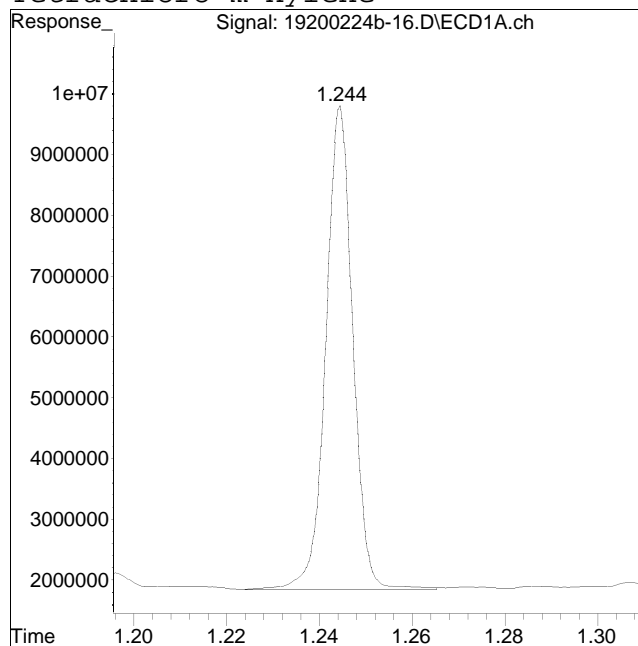
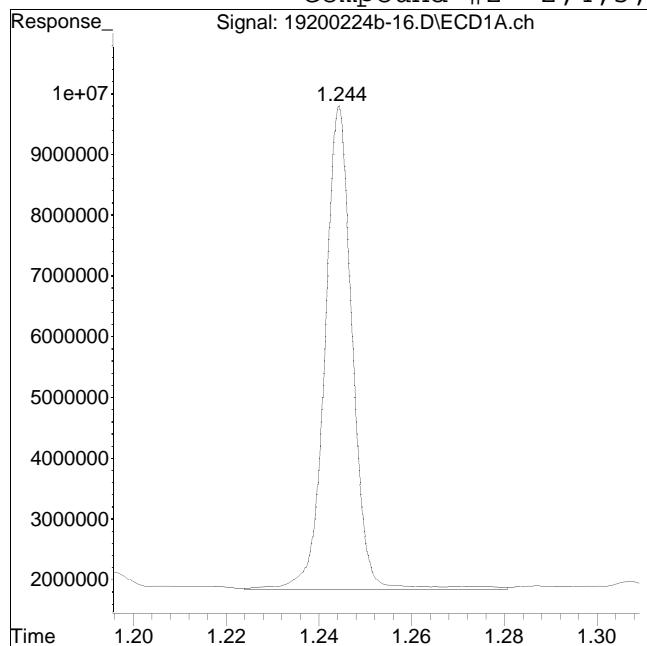
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Date Inj'd : 2/24/2020 9:16 pm
Sample : 12007688-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 32797570

Manual Peak Response = 32146859 M4

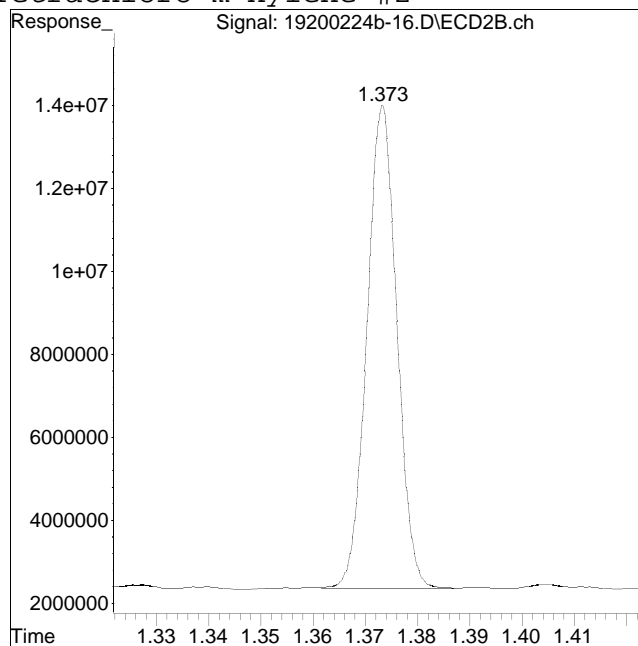
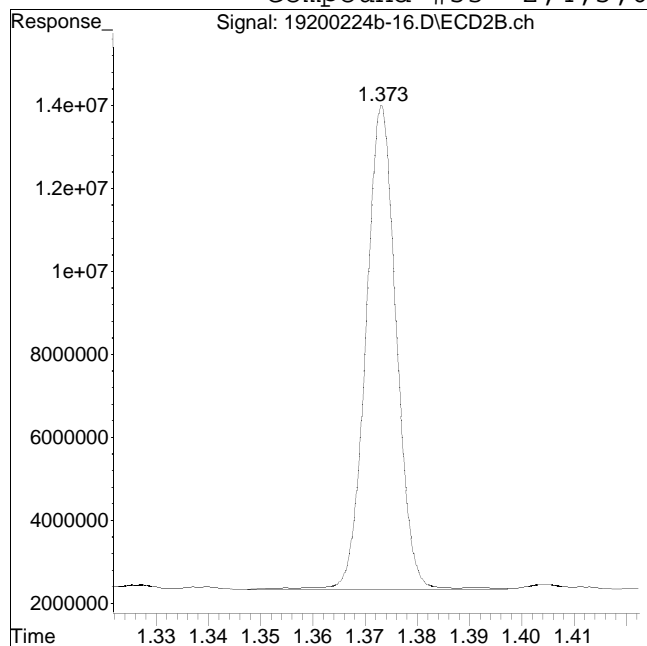
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Date Inj'd : 2/24/2020 9:16 pm
Sample : 12007688-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 47377648

Manual Peak Response = 46232776 M4

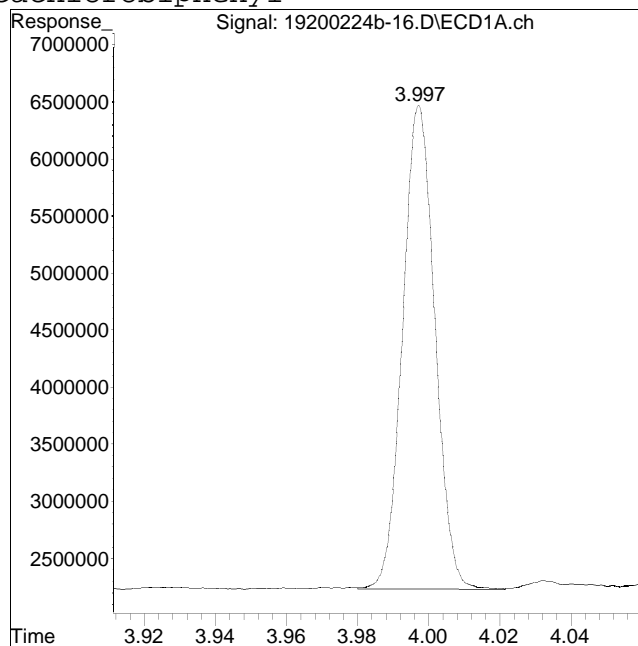
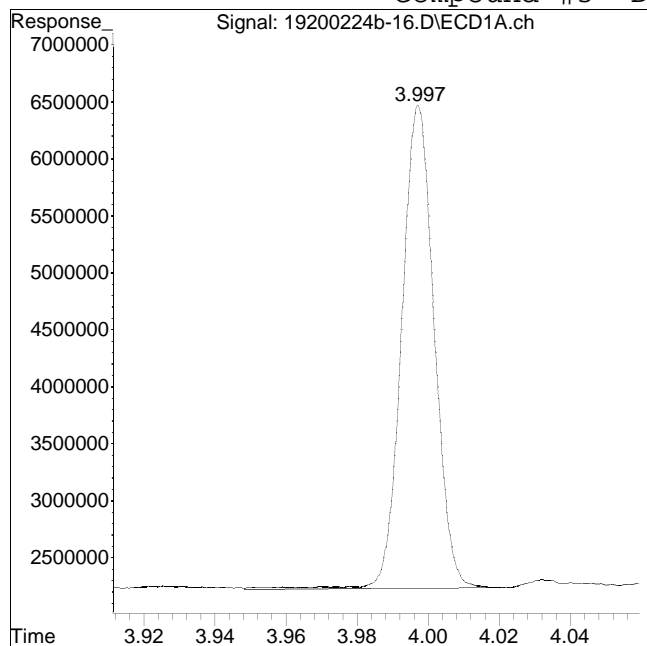
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Date Inj'd : 2/24/2020 9:16 pm
Sample : 12007688-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 27111256

Manual Peak Response = 26736176 M4

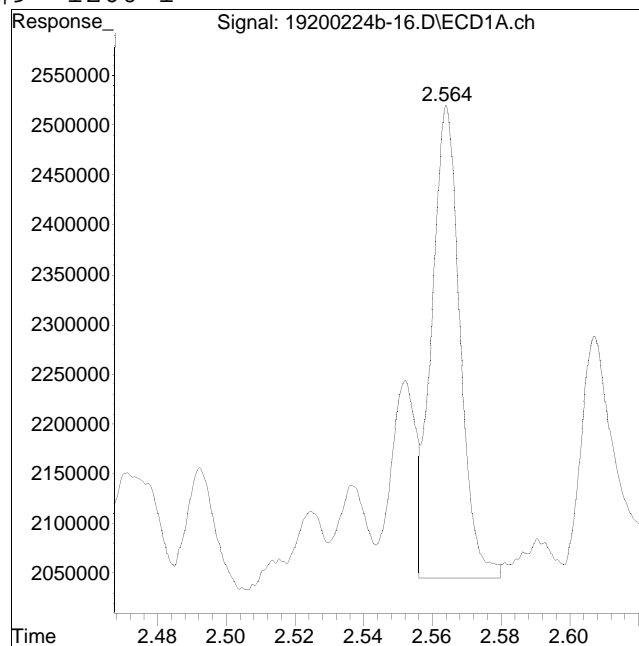
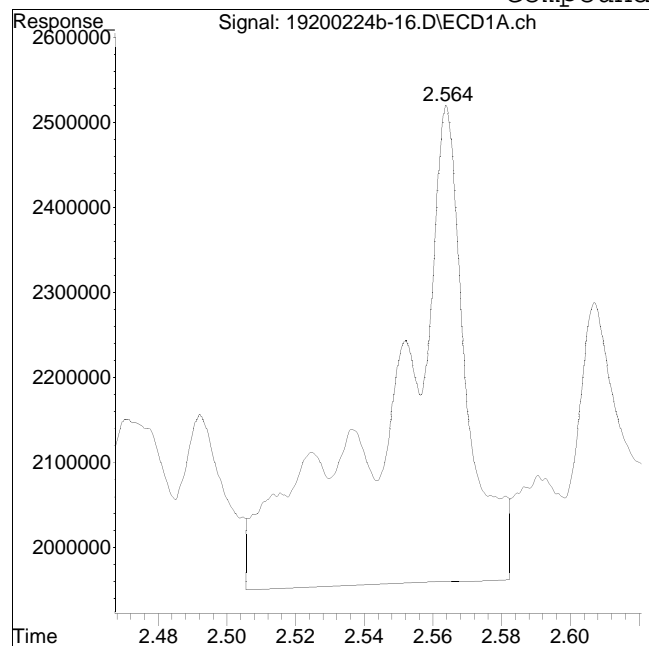
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Date Inj'd : 2/24/2020 9:16 pm
Sample : 12007688-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #9: 1260-1



Original Peak Response = 8723784

Manual Peak Response = 2715619 M1

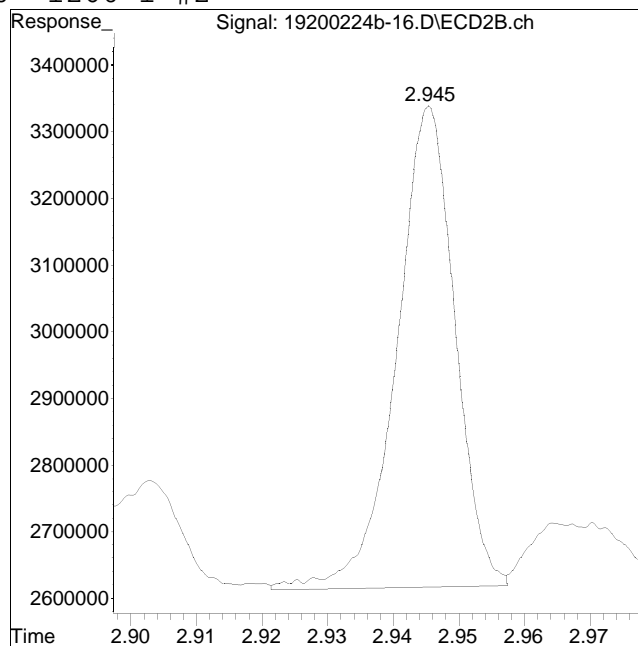
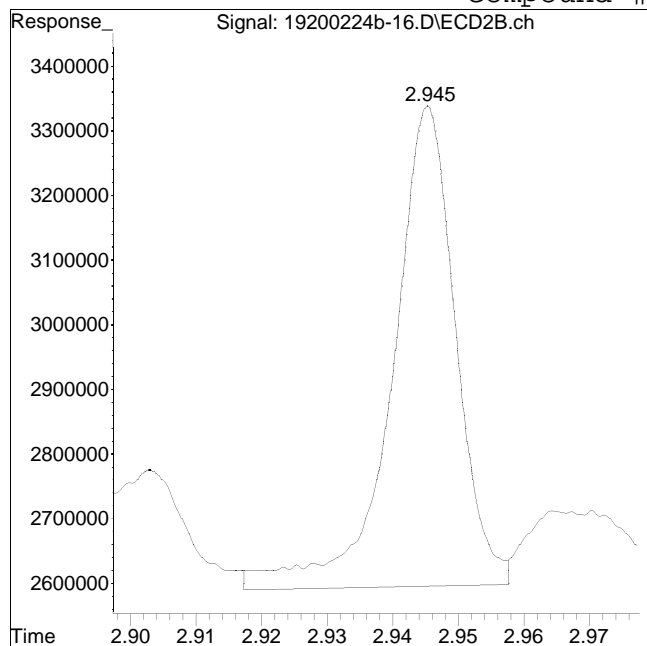
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Date Inj'd : 2/24/2020 9:16 pm
Sample : 12007688-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #60: 1260-1 #2



Original Peak Response = 5002131

Manual Peak Response = 4465052 M4

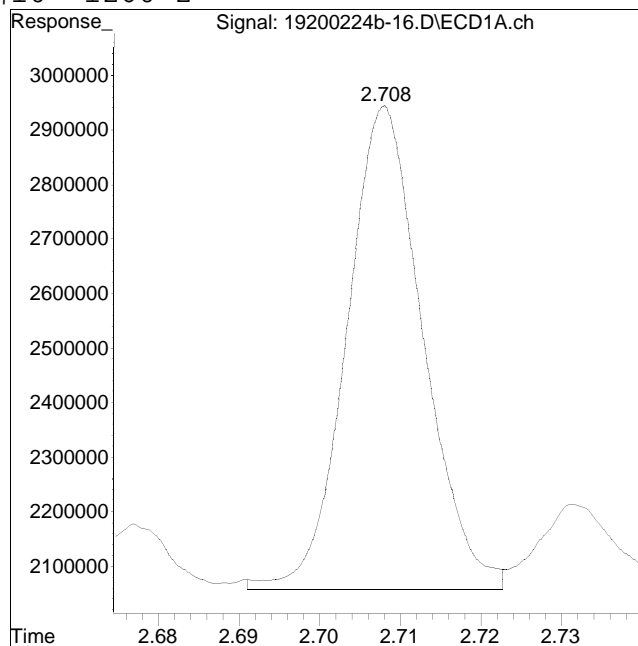
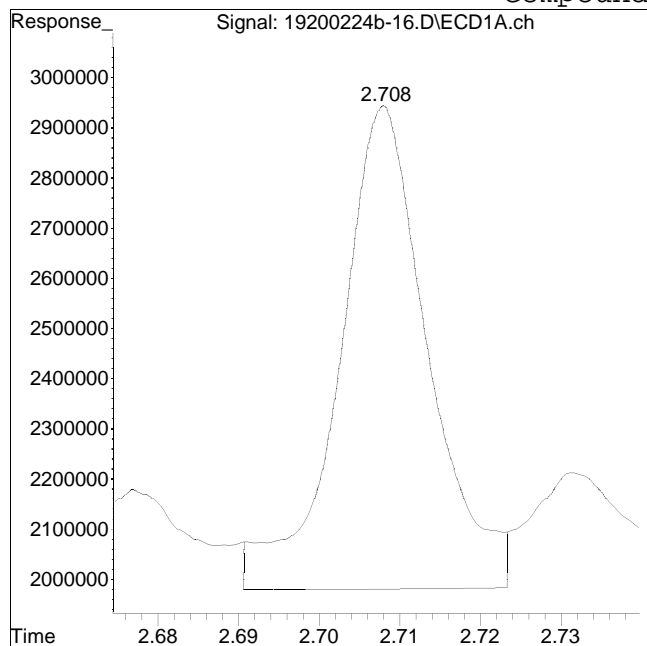
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Date Inj'd : 2/24/2020 9:16 pm
Sample : 12007688-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #10: 1260-2



Original Peak Response = 7325800

Manual Peak Response = 5837617 M4

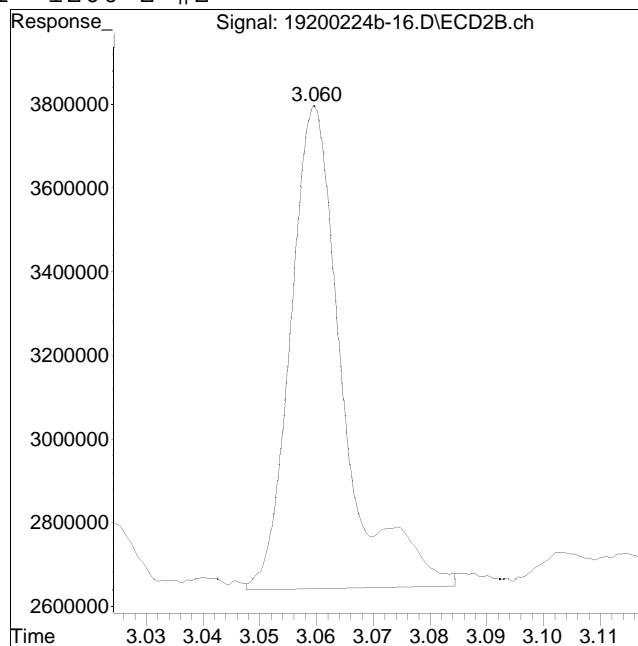
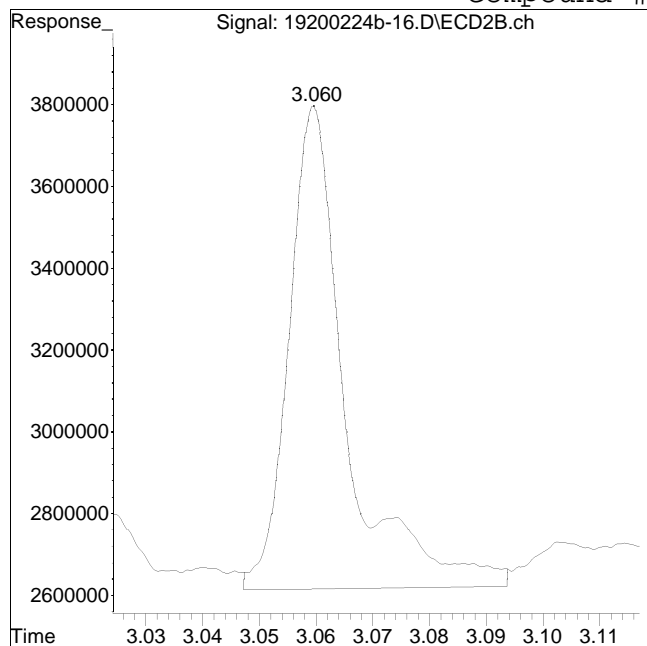
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Date Inj'd : 2/24/2020 9:16 pm
Sample : 12007688-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #61: 1260-2 #2



Original Peak Response = 8272460

Manual Peak Response = 7376669 M4

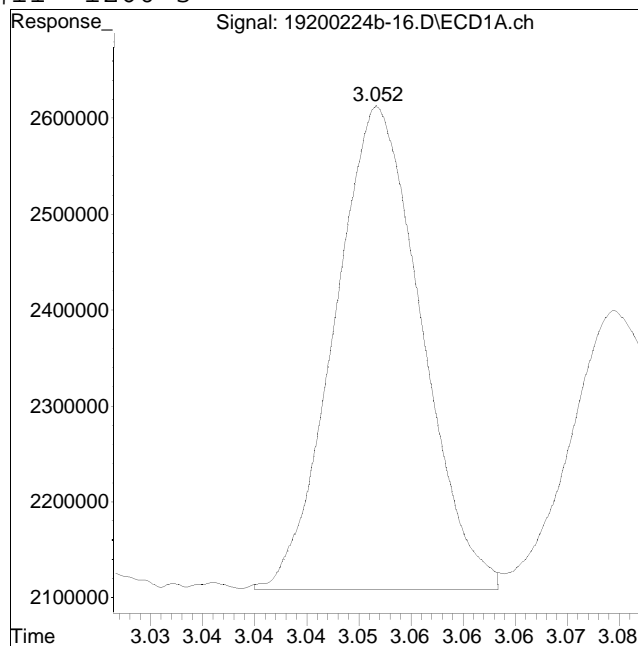
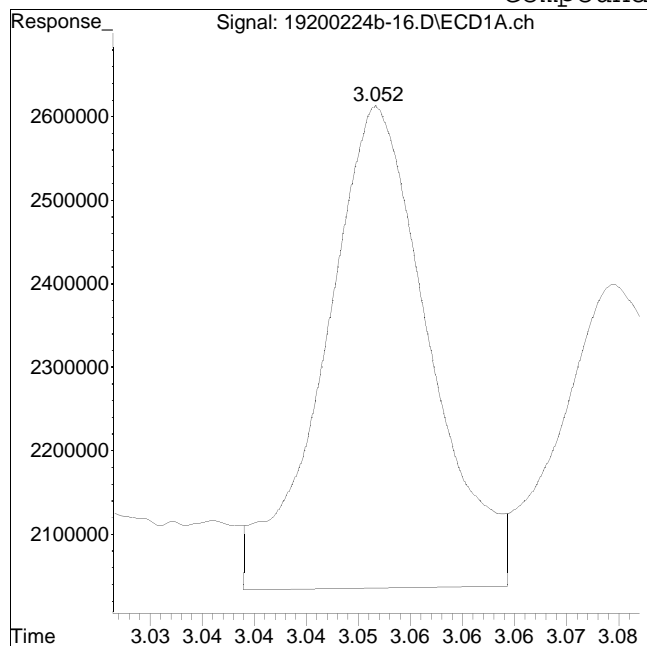
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Date Inj'd : 2/24/2020 9:16 pm
Sample : 12007688-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #11: 1260-3



Original Peak Response = 4032964

Manual Peak Response = 2918490 M4

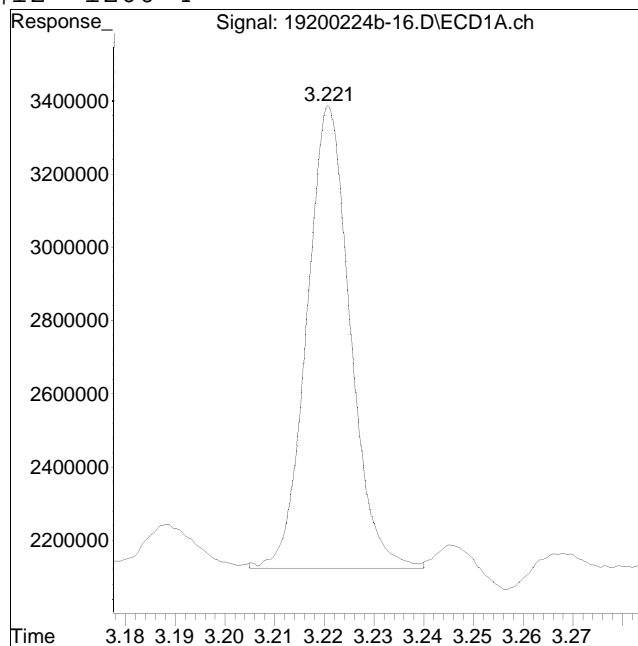
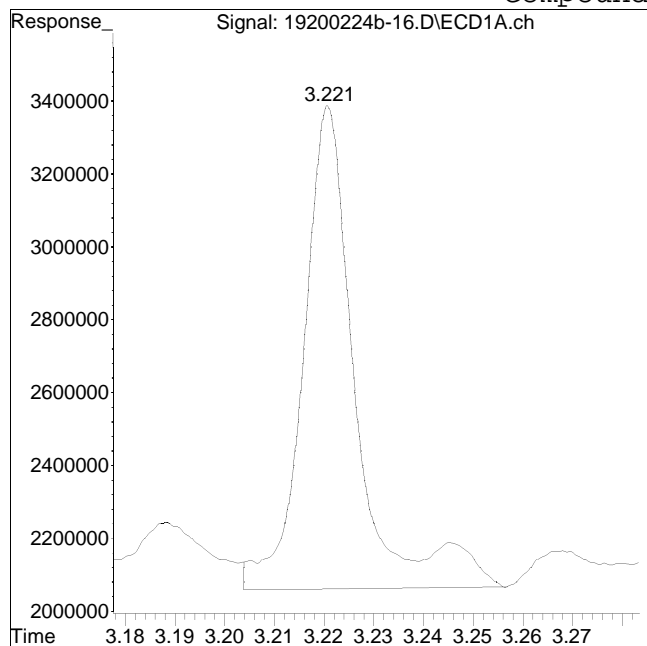
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Date Inj'd : 2/24/2020 9:16 pm
Sample : 12007688-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #12: 1260-4



Original Peak Response = 9781139

Manual Peak Response = 7700490 M1

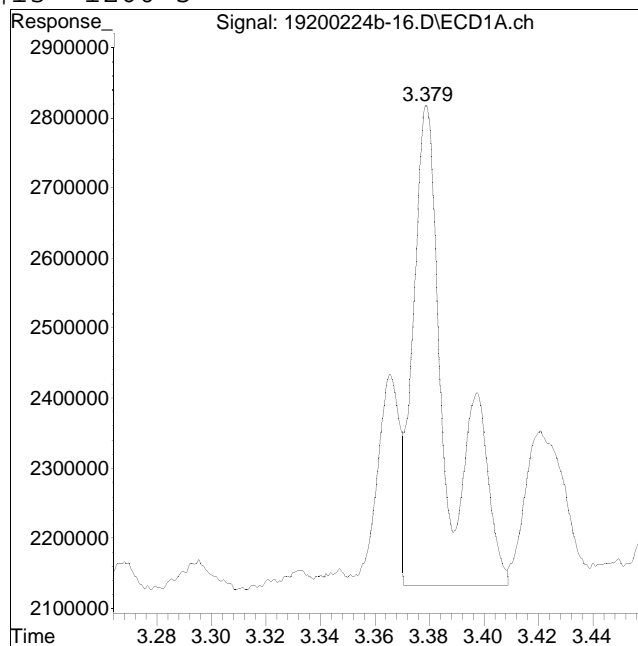
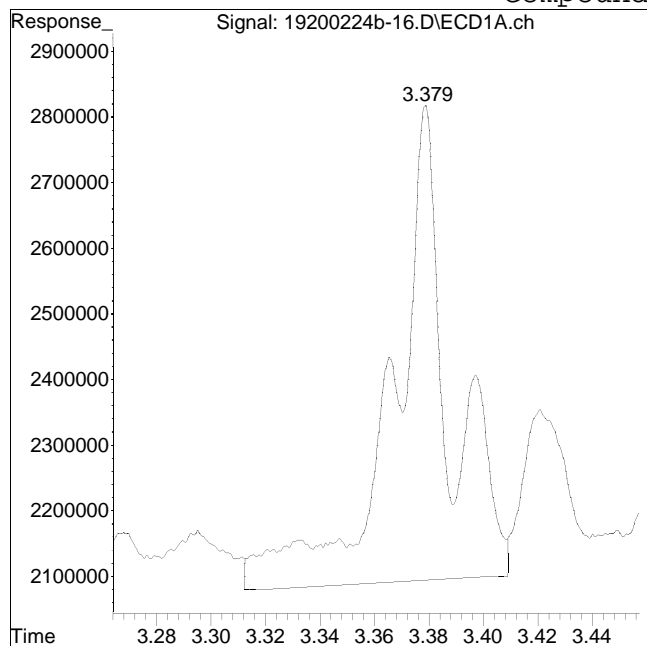
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-16.D
Date Inj'd : 2/24/2020 9:16 pm
Sample : 12007688-10,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #13: 1260-5



Original Peak Response = 10515894

Manual Peak Response = 6043506 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:23 pm
 Operator : pest19:cw
 Sample : 12007688-11,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:47:08 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.032	32676610	50558024	250.000	250.000
Standard Area 1 : #1 = 26646155					Recovery =	122.63%
Standard Area 1 : #2 = 40763919					Recovery =	124.03%
14) i 2154_1br2nb	0.991	1.032	32676610	50558024	250.000	250.000
23) i 4268_1br2nb	0.991	1.032	32676610	50558024	250.000	250.000
34) i 1248_1br2nb	0.991	1.032	32676610	50558024	250.000	250.000
40) i 3262_1br2nb	0.991	1.032	32676610	50558024	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.246	1.374	25972578	36810298	152.311	142.551M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	30.46% 28.51%#
3) s Decachlorobi	3.998	4.503	22232593	33838503	162.537M4	155.358
Spiked Amount 500.000	Range 30 - 150				Recovery =	32.51% 31.07%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.564	2.946	48322444	71721383	5610.999	5273.503
10) l2 1260-2	2.709	3.060	96840777	118.4E6	7478.571	7418.728
11) l2 1260-3	3.052	3.477	59736810	85266870	7089.072	6129.680
12) l2 1260-4	3.222	3.619	138.8E6	218.5E6	7831.365	7463.534
13) l2 1260-5	3.379	3.830	114.4E6	162.1E6	8932.062M1	7972.618
Sum 1260-1			458.0E6	656.0E6	36942.069	34258.063
Average 1260-1					7388.414	6851.613

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:23 pm
 Operator : pest19:cw
 Sample : 12007688-11,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:47:08 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:23 pm
 Operator : pest19:cw
 Sample : 12007688-11,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:47:08 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

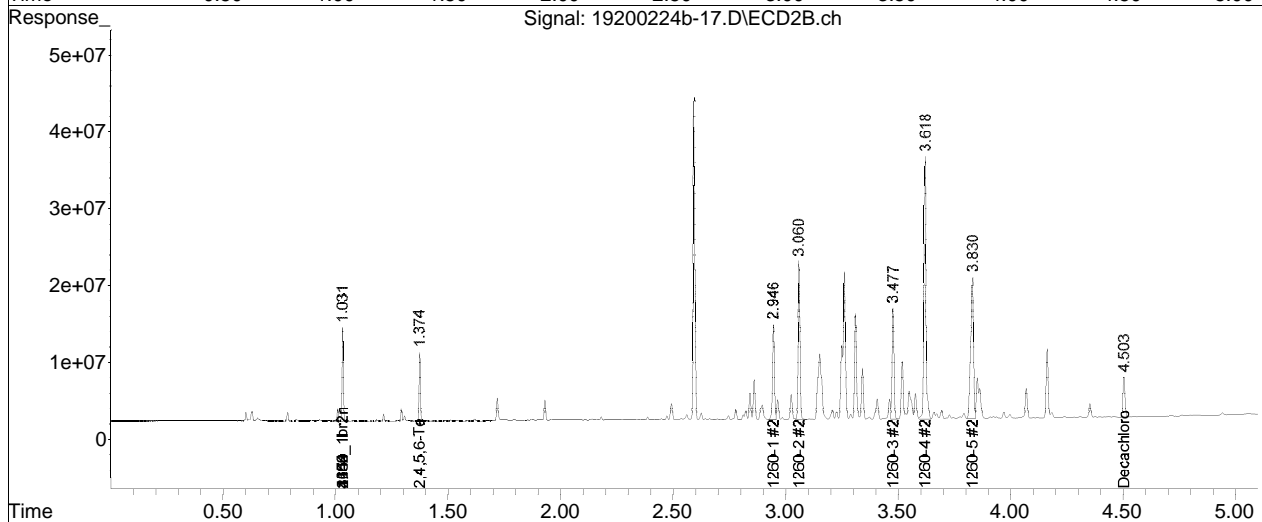
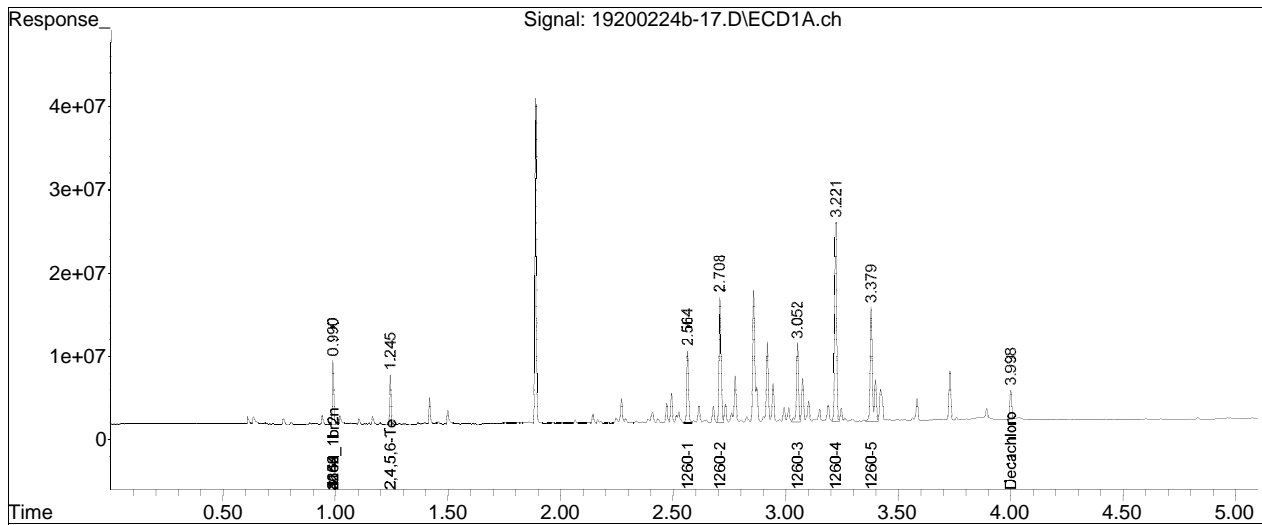
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-02.D••d)

Data Path : I:\Pest19\200224b\
Data File : 19200224b-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 09:23 pm
Operator : pest19:cw
Sample : 12007688-11,42e,,
Misc : wg1343938,wg1343629,ical16321
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:47:08 2020
Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

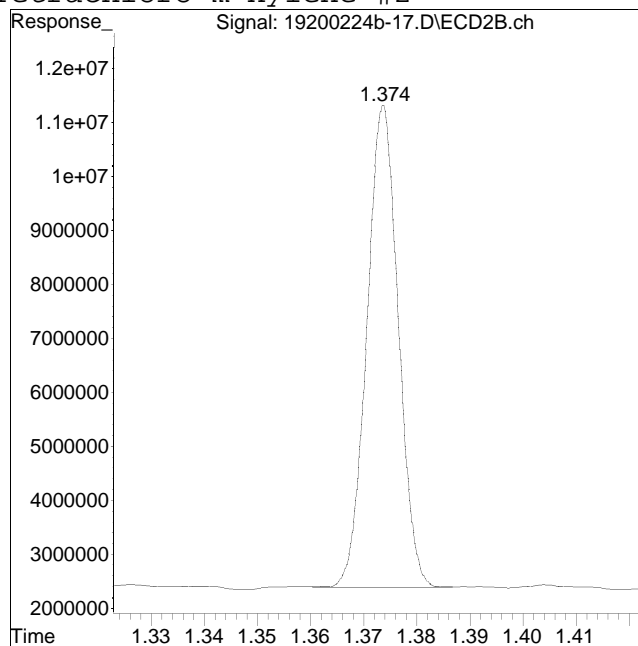
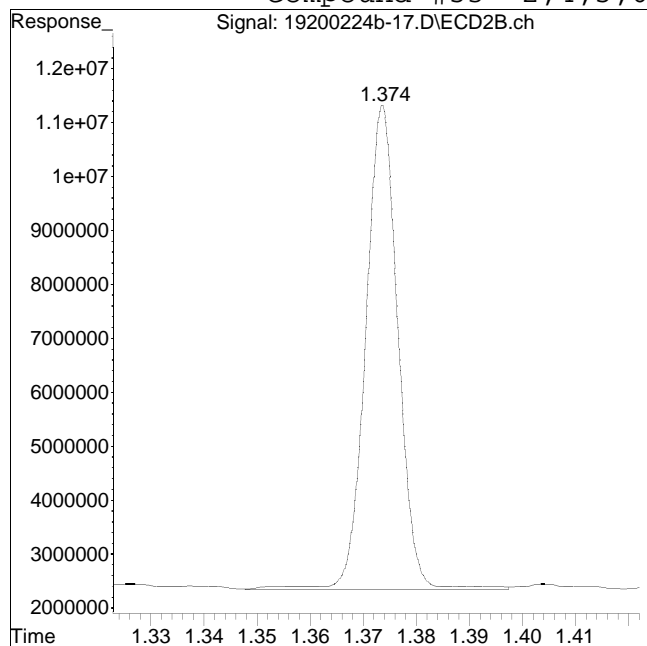


Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-17.D
Date Inj'd : 2/24/2020 9:23 pm
Sample : 12007688-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 38252354

Manual Peak Response = 36810298 M4

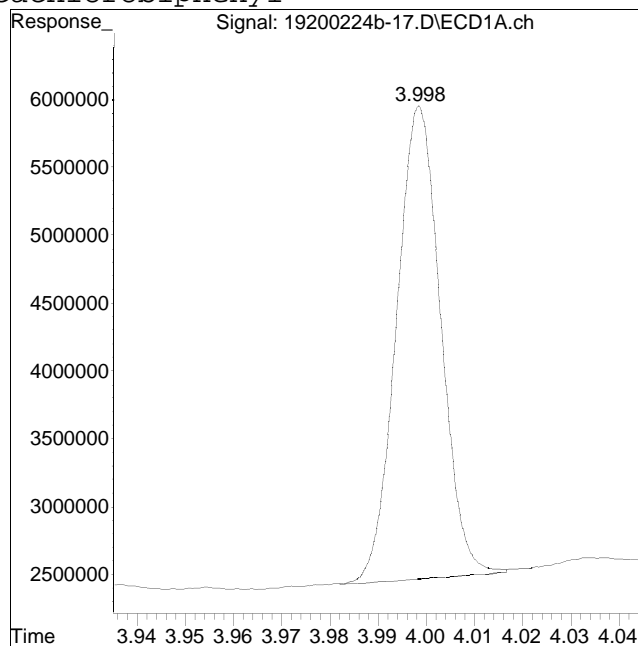
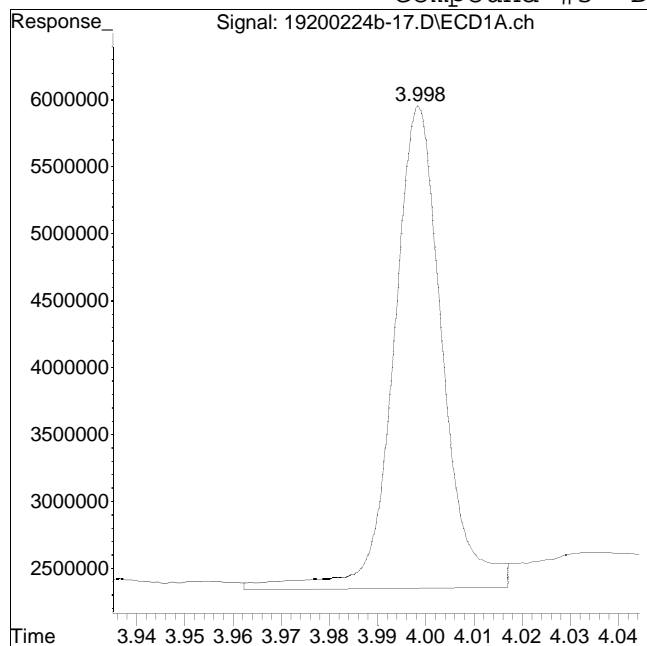
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-17.D
Date Inj'd : 2/24/2020 9:23 pm
Sample : 12007688-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 25432727

Manual Peak Response = 22232593 M4

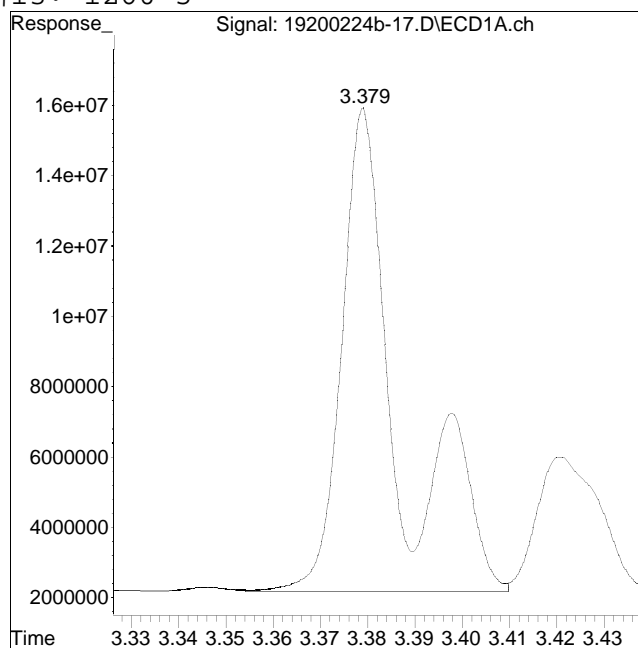
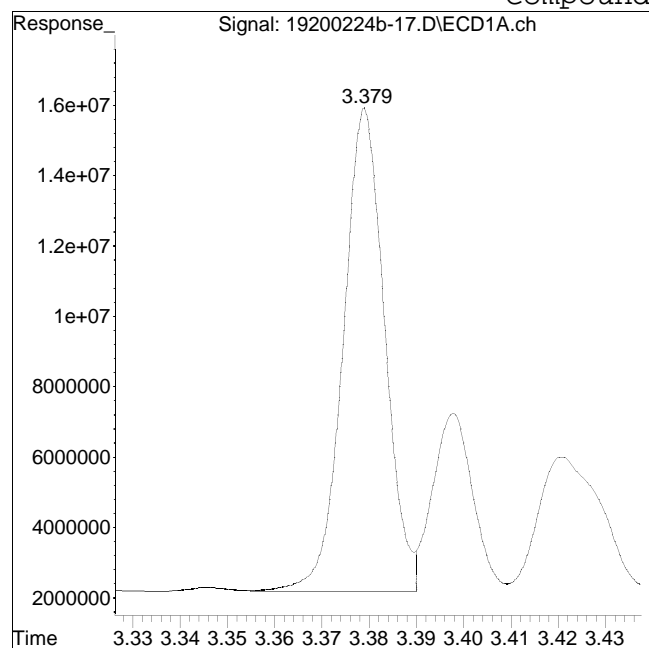
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-17.D
Date Inj'd : 2/24/2020 9:23 pm
Sample : 12007688-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #13: 1260-5



Original Peak Response = 83649747

Manual Peak Response = 114360378 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:29 pm
 Operator : pest19:cw
 Sample : 12007688-12,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:49:14 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.032	33932020	52031326	250.000	250.000
Standard Area 1 : #1 = 26646155					Recovery =	127.34%
Standard Area 1 : #2 = 40763919					Recovery =	127.64%
14) i 2154_1br2nb	0.991	1.032	33932020	52031326	250.000	250.000
23) i 4268_1br2nb	0.991	1.032	33932020	52031326	250.000	250.000
34) i 1248_1br2nb	0.991	1.032	33932020	52031326	250.000	250.000
40) i 3262_1br2nb	0.991	1.032	33932020	52031326	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.245	1.374	47903480	71024960	270.527	267.263
Spiked Amount 500.000	Range 30 - 150				Recovery =	54.11% 53.45%
3) s Decachlorobi	3.998	4.502	40981582	60806273	288.521M4	271.267M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	57.70% 54.25%
Target Compounds						
4) 11 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) 11 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) 11 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) 11 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) 11 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) 12 1260-1	2.563	2.945	440025	824957	49.204M1	58.940M4
10) 12 1260-2	2.708	3.060	858161	784557	63.820M4	47.768M4
11) 12 1260-3	3.051	3.478	491526	817151	56.172M4	57.080
12) 12 1260-4	3.222	3.618	1450758	1260662	78.848M4	41.847M1

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:29 pm
 Operator : pest19:cw
 Sample : 12007688-12,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:49:14 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	12 1260-5	3.378	3.830	886850	1227032	66.704M1	58.632M4
	Sum 1260-1			4127321	4914359	314.747	264.266
	Average 1260-1					62.949	52.853
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:29 pm
 Operator : pest19:cw
 Sample : 12007688-12,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:49:14 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1	0	0	N.D.	N.D.
Average 1262-1			0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:29 pm
 Operator : pest19:cw
 Sample : 12007688-12,42e,,
 Misc : wgl1343938,wgl1343629,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:49:14 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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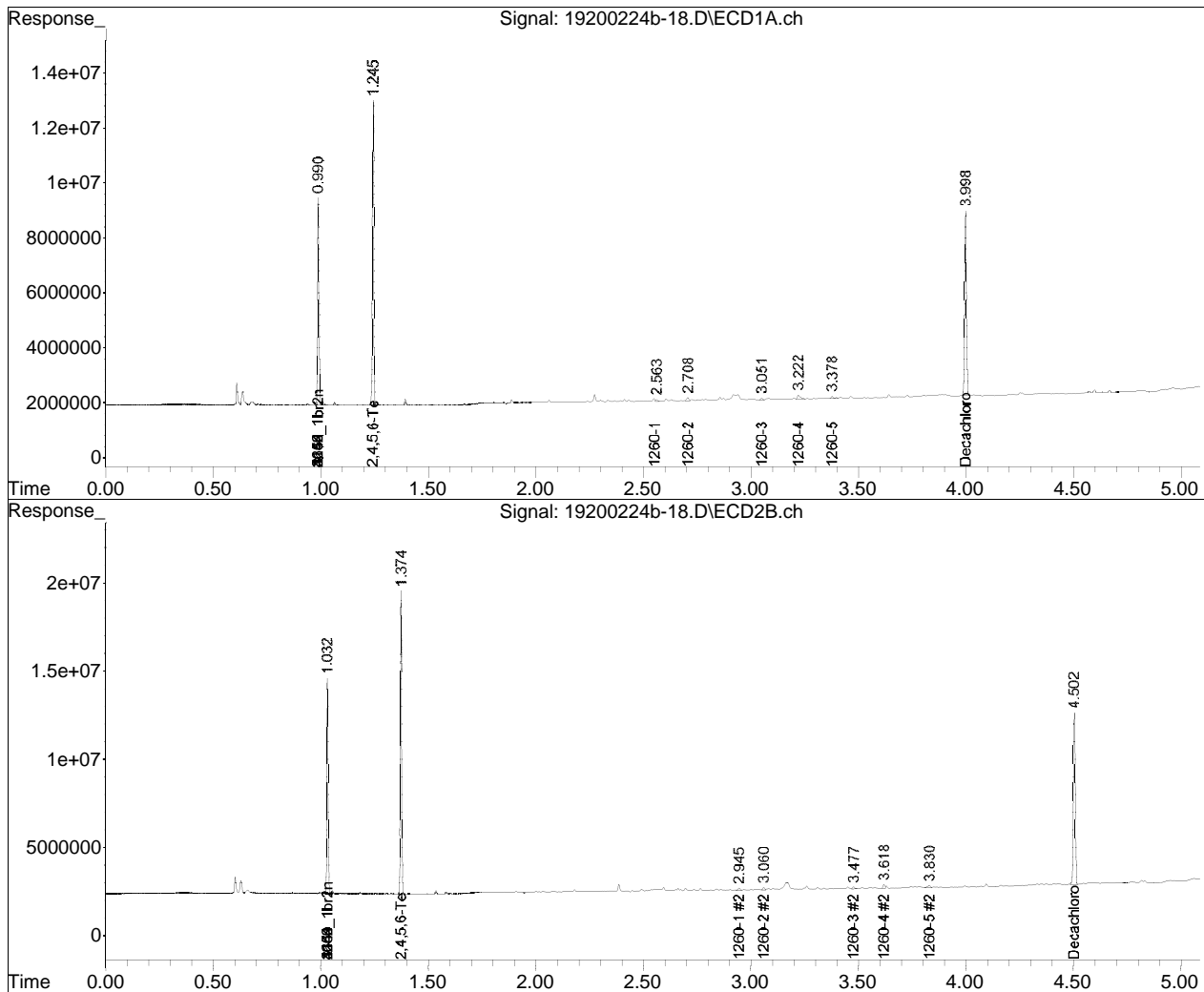
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-02.D••d)

Data Path : I:\Pest19\200224b\
Data File : 19200224b-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 09:29 pm
Operator : pest19:cw
Sample : 12007688-12,42e,,
Misc : wg1343938,wg1343629,ical16321
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:49:14 2020
Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

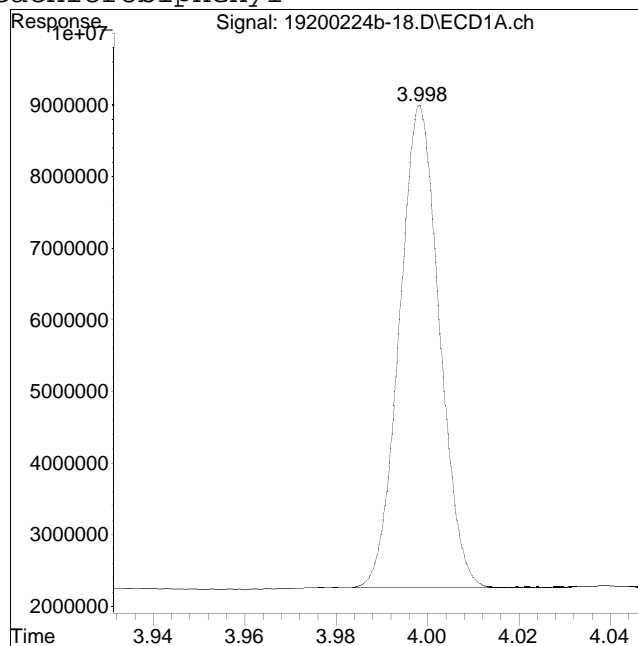
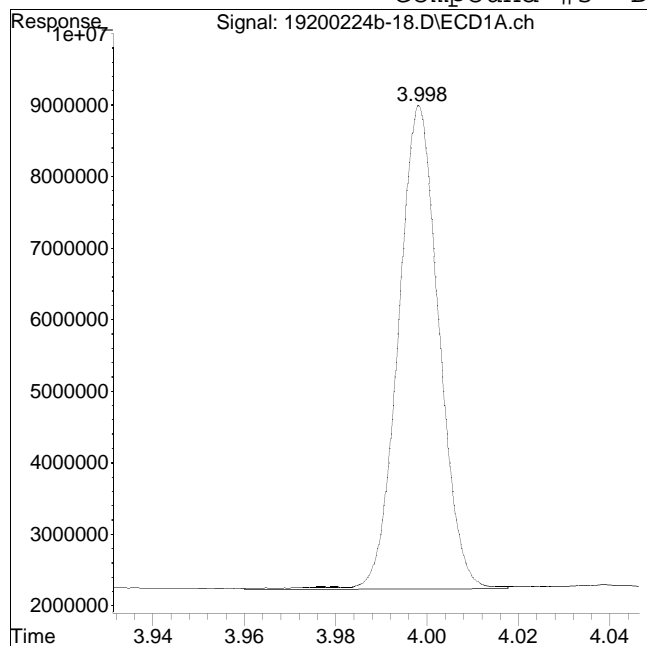


Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-18.D
Date Inj'd : 2/24/2020 9:29 pm
Sample : 12007688-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 41838113

Manual Peak Response = 40981582 M4

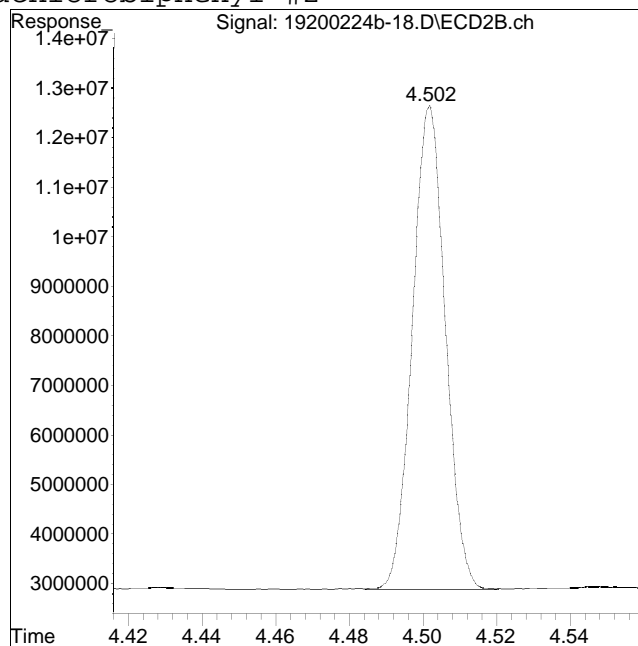
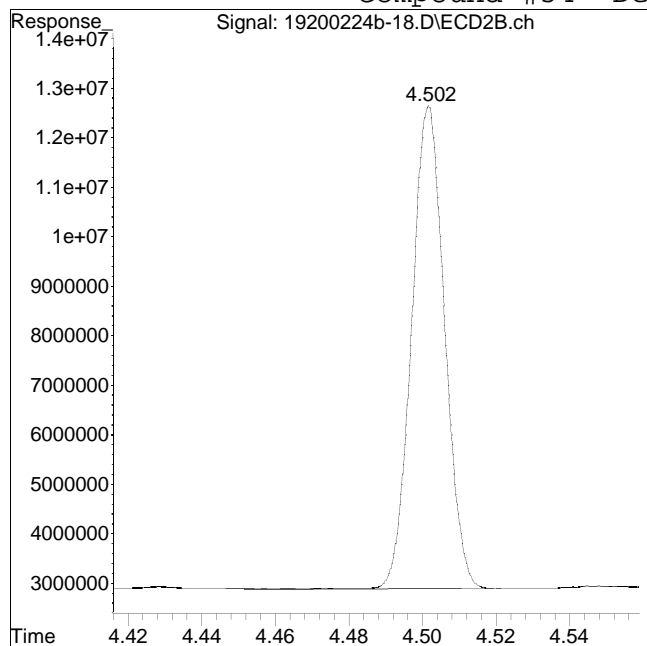
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-18.D
Date Inj'd : 2/24/2020 9:29 pm
Sample : 12007688-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 61063409

Manual Peak Response = 60806273 M4

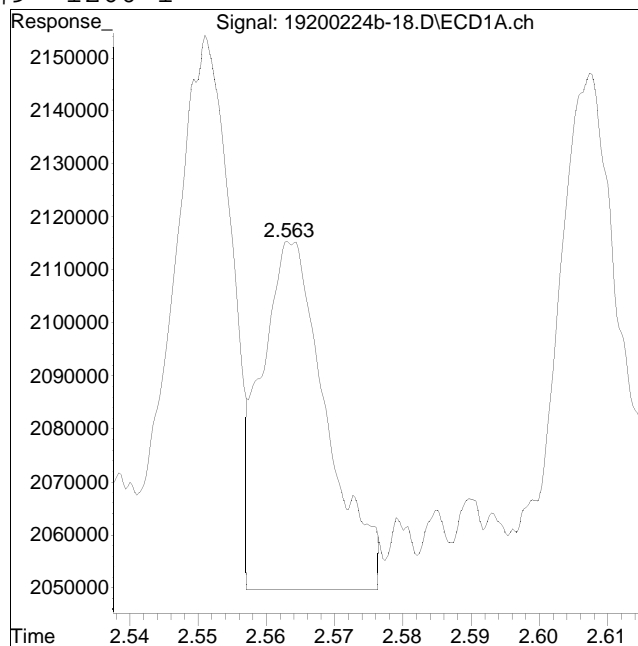
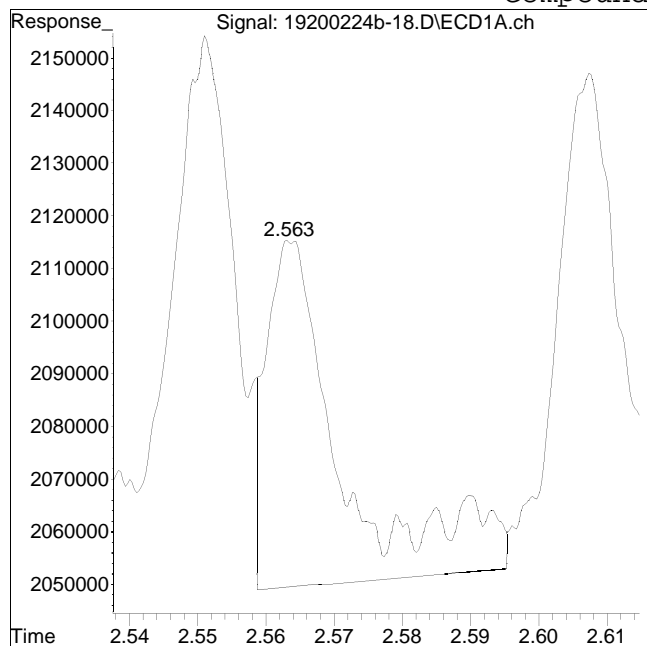
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-18.D
Date Inj'd : 2/24/2020 9:29 pm
Sample : 12007688-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #9: 1260-1



Original Peak Response = 508520

Manual Peak Response = 440025 M1

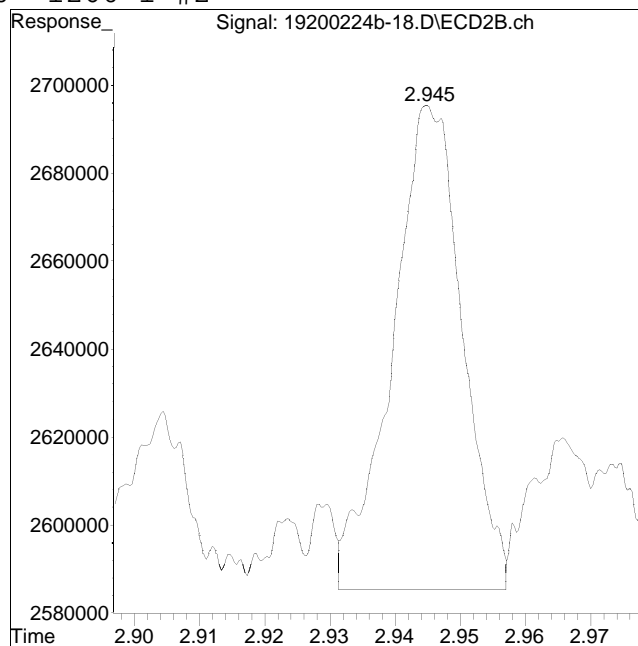
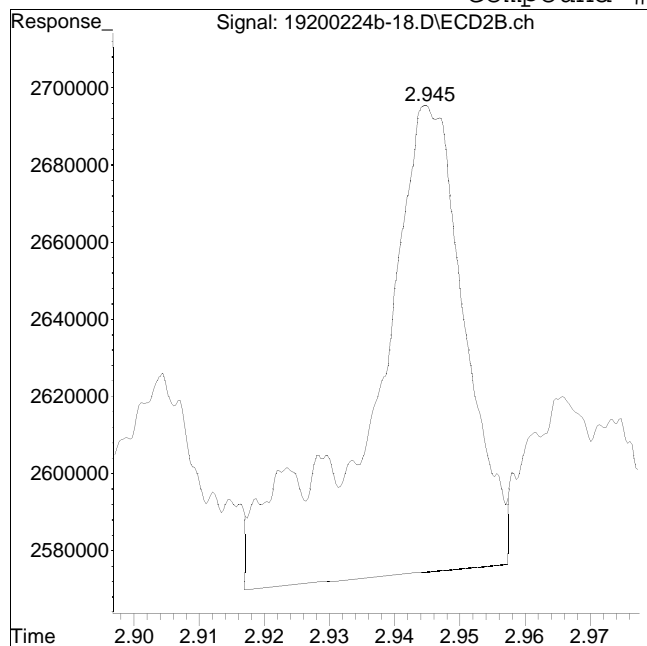
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-18.D
Date Inj'd : 2/24/2020 9:29 pm
Sample : 12007688-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #60: 1260-1 #2



Original Peak Response = 1224695

Manual Peak Response = 824957 M4

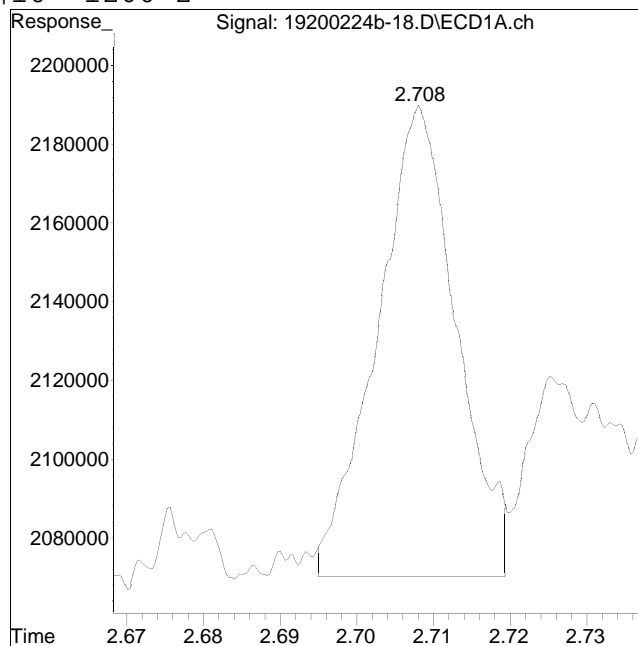
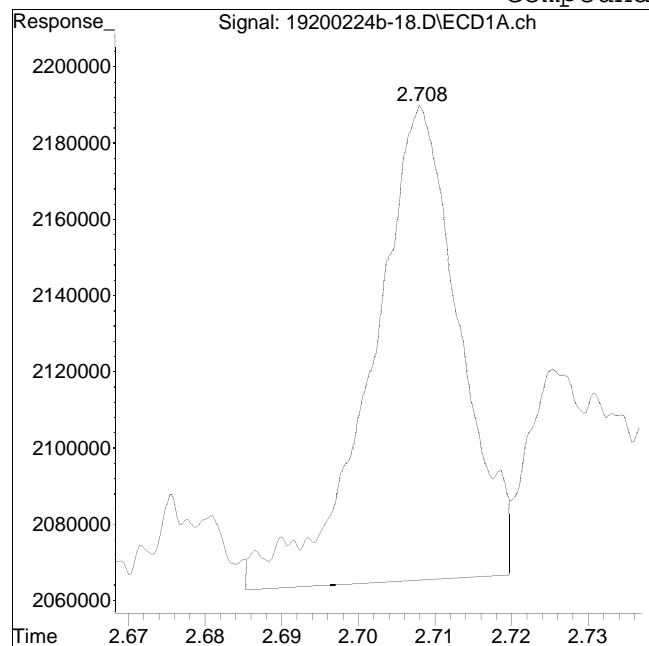
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-18.D
Date Inj'd : 2/24/2020 9:29 pm
Sample : 12007688-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #10: 1260-2



Original Peak Response = 993943

Manual Peak Response = 858161 M4

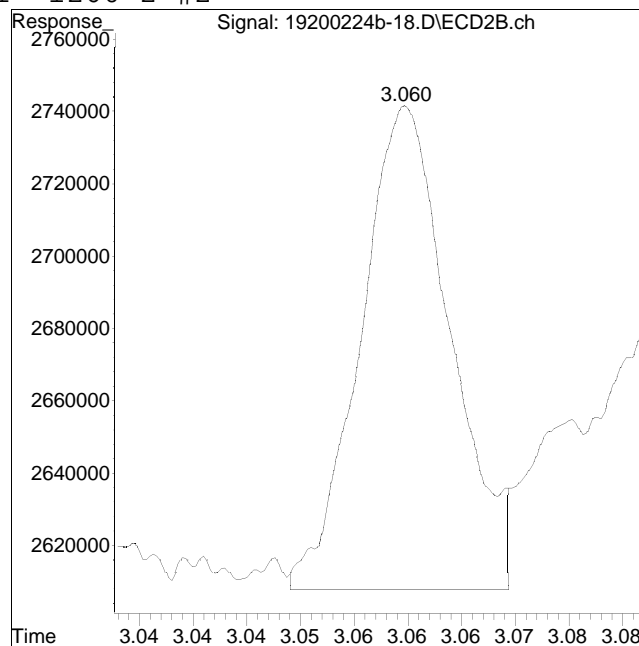
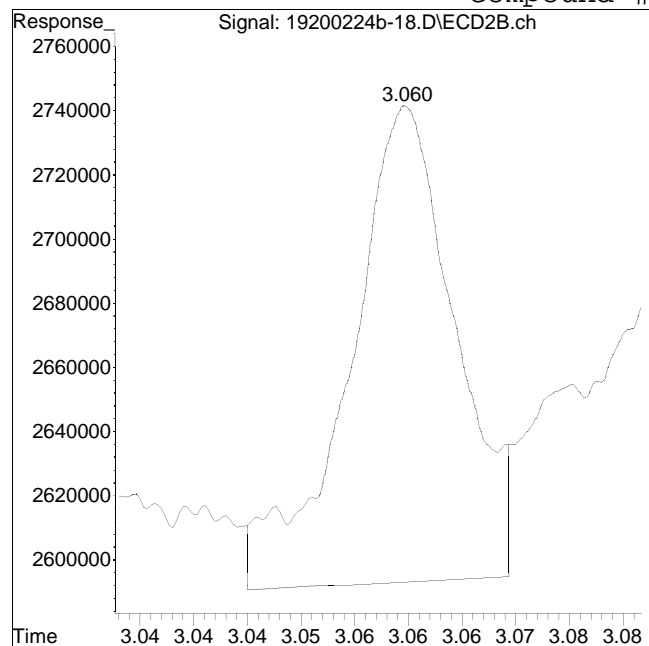
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-18.D
Date Inj'd : 2/24/2020 9:29 pm
Sample : 12007688-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #61: 1260-2 #2



Original Peak Response = 1012247

Manual Peak Response = 784557 M4

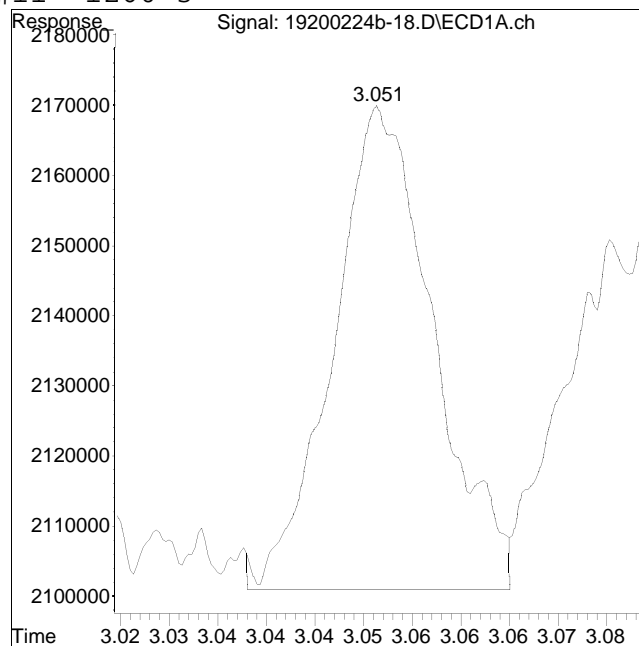
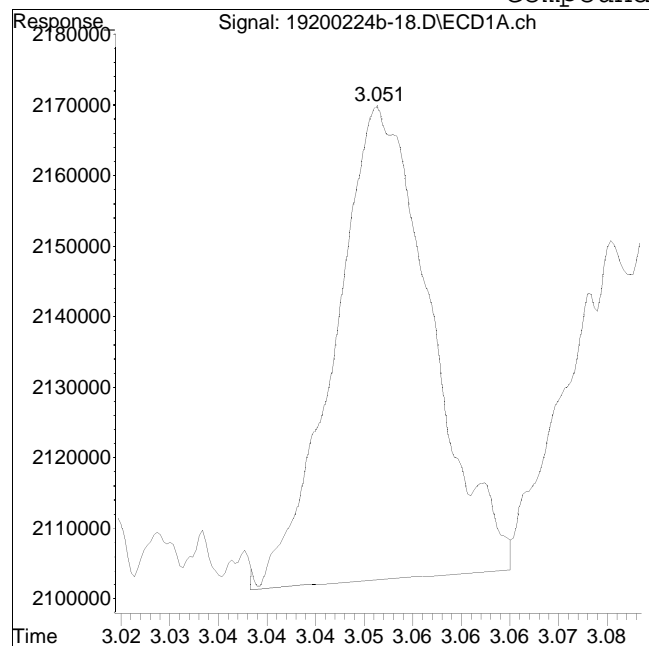
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-18.D
Date Inj'd : 2/24/2020 9:29 pm
Sample : 12007688-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #11: 1260-3



Original Peak Response = 462099

Manual Peak Response = 491526 M4

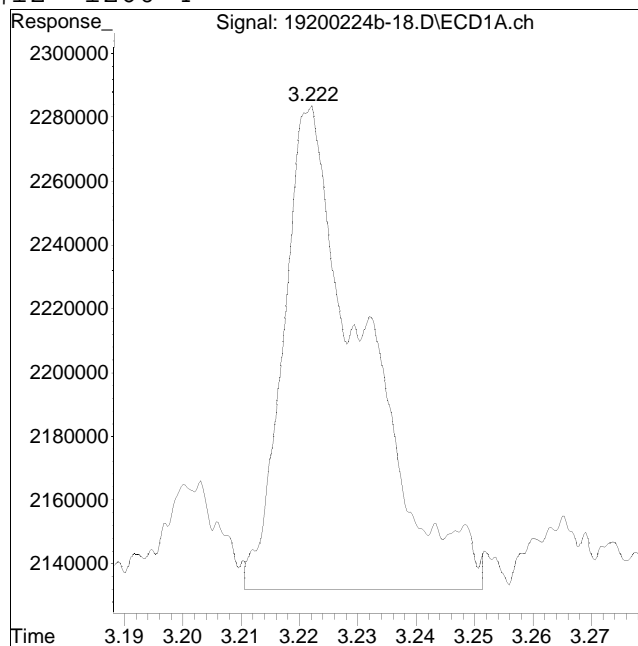
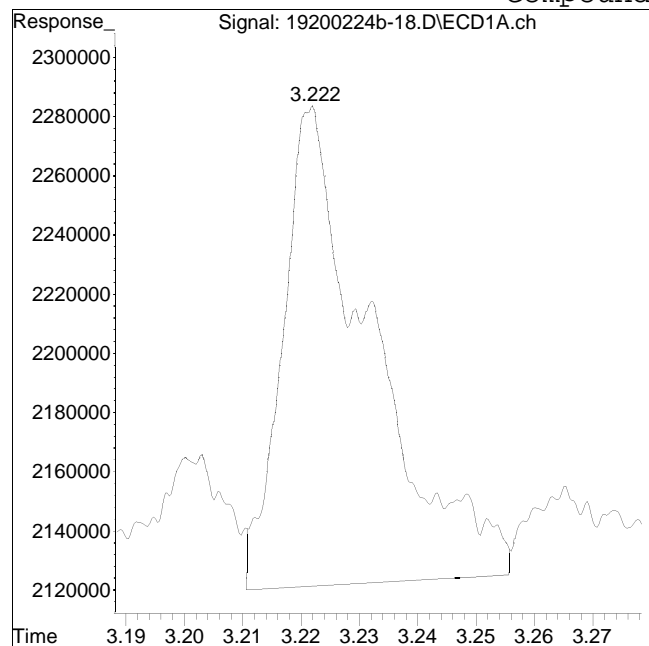
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-18.D
Date Inj'd : 2/24/2020 9:29 pm
Sample : 12007688-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #12: 1260-4



Original Peak Response = 1727598

Manual Peak Response = 1450758 M4

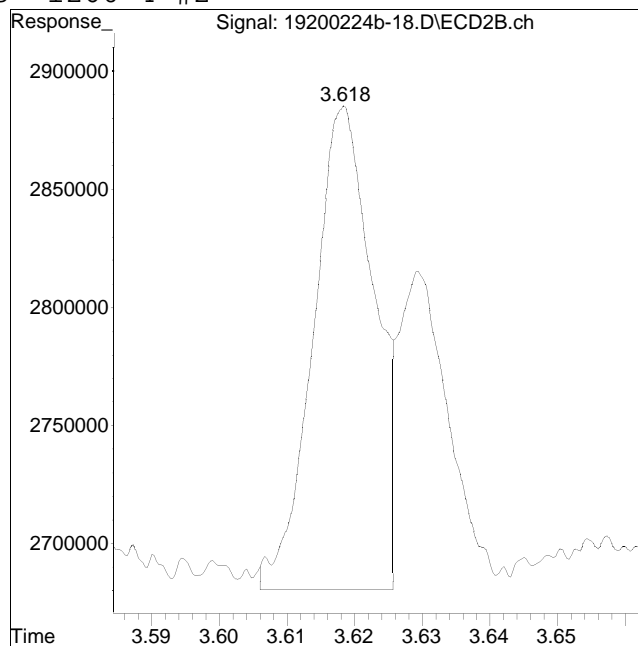
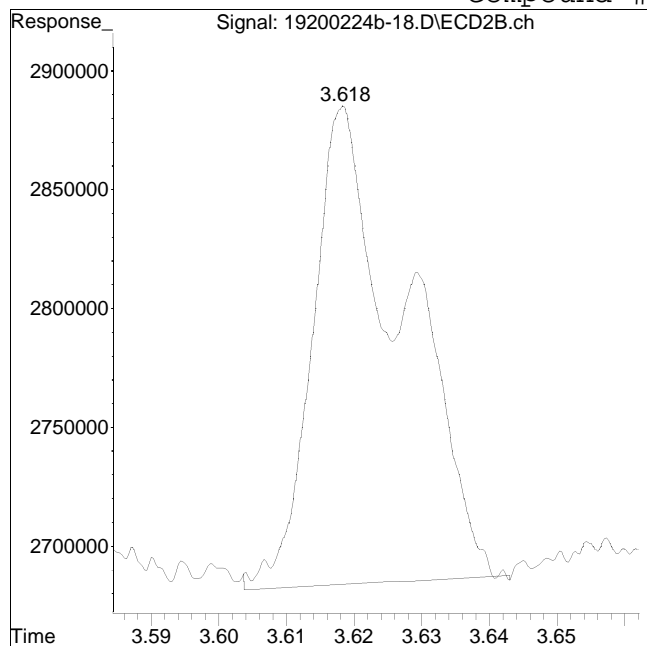
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-18.D
Date Inj'd : 2/24/2020 9:29 pm
Sample : 12007688-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #63: 1260-4 #2



Original Peak Response = 1889450

Manual Peak Response = 1260662 M1

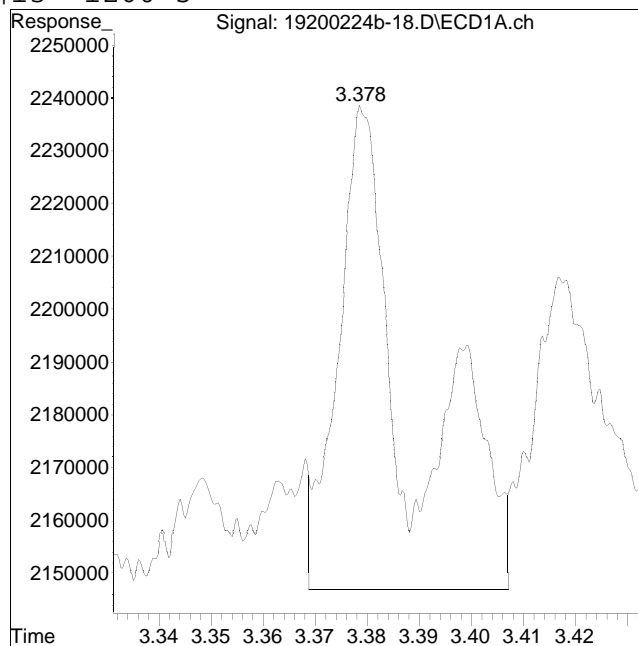
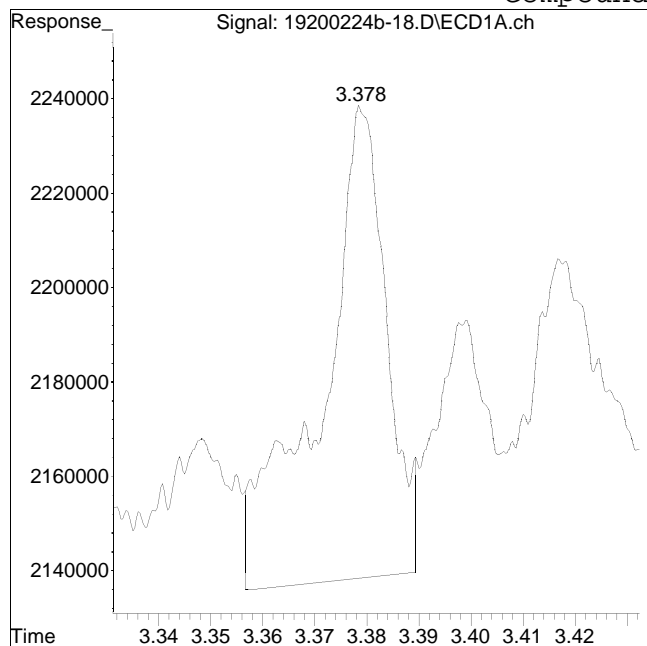
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-18.D
Date Inj'd : 2/24/2020 9:29 pm
Sample : 12007688-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #13: 1260-5



Original Peak Response = 877898

Manual Peak Response = 886850 M1

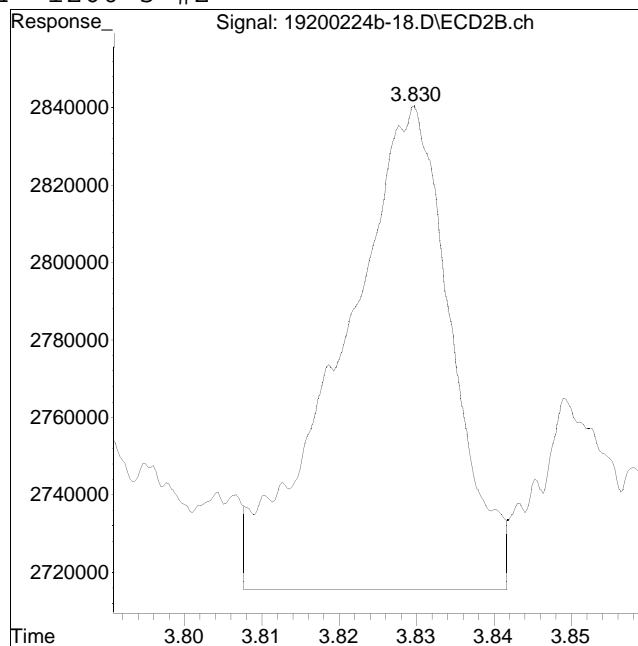
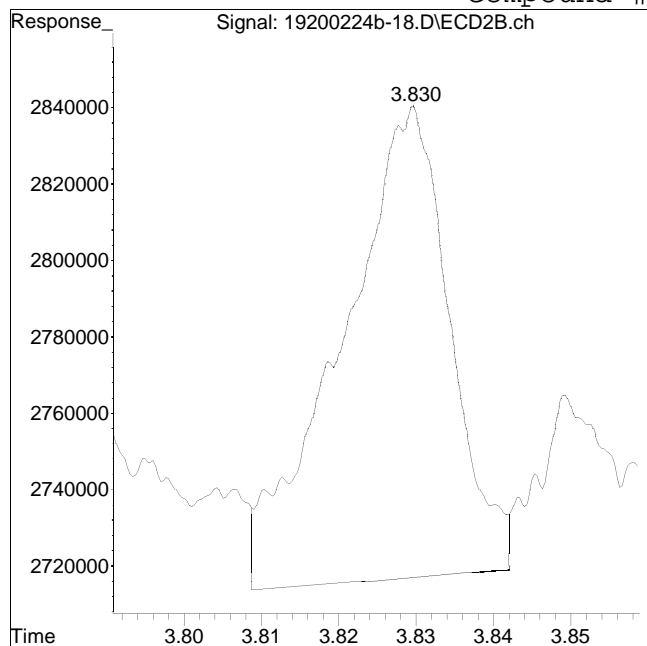
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-18.D
Date Inj'd : 2/24/2020 9:29 pm
Sample : 12007688-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #64: 1260-5 #2



Original Peak Response = 1203190

Manual Peak Response = 1227032 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 11:27 pm
 Operator : pest19:aws
 Sample : l2007688-01,42e,,re
 Misc : wgl344121,wgl343995,ical16321
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:24:25 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.998	1.033	29526659	44586011	250.000	250.000
Standard Area 1 : #1 = 29908086					Recovery =	98.72%
Standard Area 1 : #2 = 44679959					Recovery =	99.79%
14) i 2154_1br2nb	0.998	1.033	29526659	44586011	250.000	250.000
23) i 4268_1br2nb	0.998	1.033	29526659	44586011	250.000	250.000
34) i 1248_1br2nb	0.998	1.033	29526659	44586011	250.000	250.000
40) i 3262_1br2nb	0.998	1.033	29526659	44586011	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.258	1.377	49295748	71191908	319.925	312.625
Spiked Amount 500.000	Range 30 - 150				Recovery =	63.98%
3) s Decachlorobi	4.027	4.519	39279999	60189420	317.802	313.354
Spiked Amount 500.000	Range 30 - 150				Recovery =	63.56%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.589f	2.957	24972419	37228324	3209.036	3103.955
10) l2 1260-2	2.734f	3.072	43303500	53592879	3700.889	3807.876
11) l2 1260-3	3.079f	3.490	26014648	37086020	3416.552	3023.146
12) l2 1260-4	3.249f	3.633	55851628	85833917	3488.386	3324.966
13) l2 1260-5	3.407f	3.844	42121800	59610143	3640.875M1	3324.044
Sum 1260-1			192.3E6	273.4E6	17455.738	16583.988
Average 1260-1					3491.148	3316.798

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 11:27 pm
 Operator : pest19:aws
 Sample : l2007688-01,42e,,re
 Misc : wgl1344121,wgl1343995,ical16321
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:24:25 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 11:27 pm
 Operator : pest19:aws
 Sample : 12007688-01,42e,,re
 Misc : wgl1344121,wgl1343995,ical16321
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:24:25 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

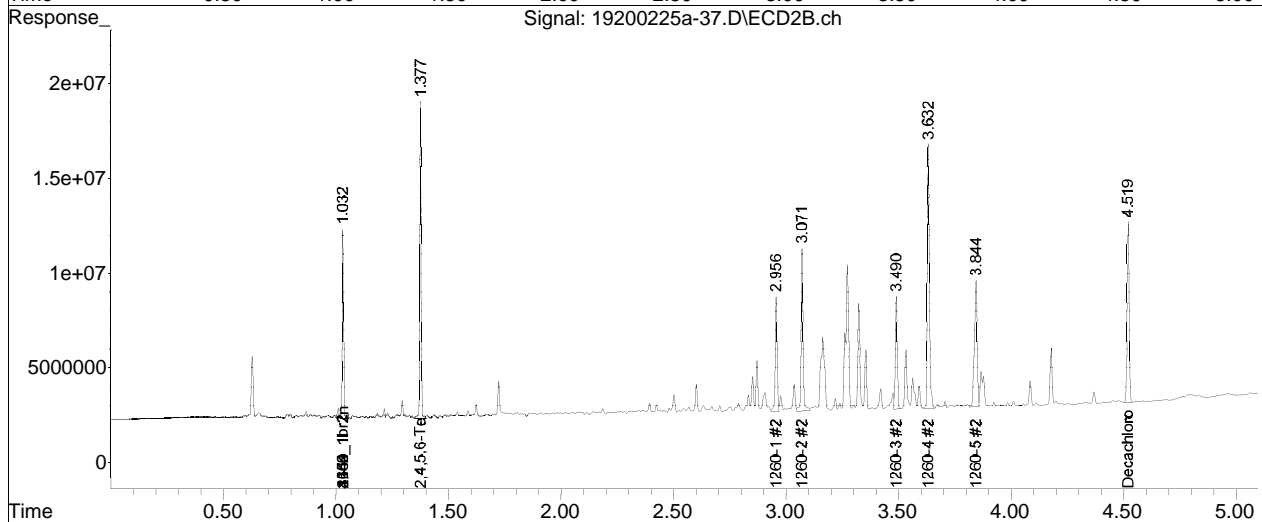
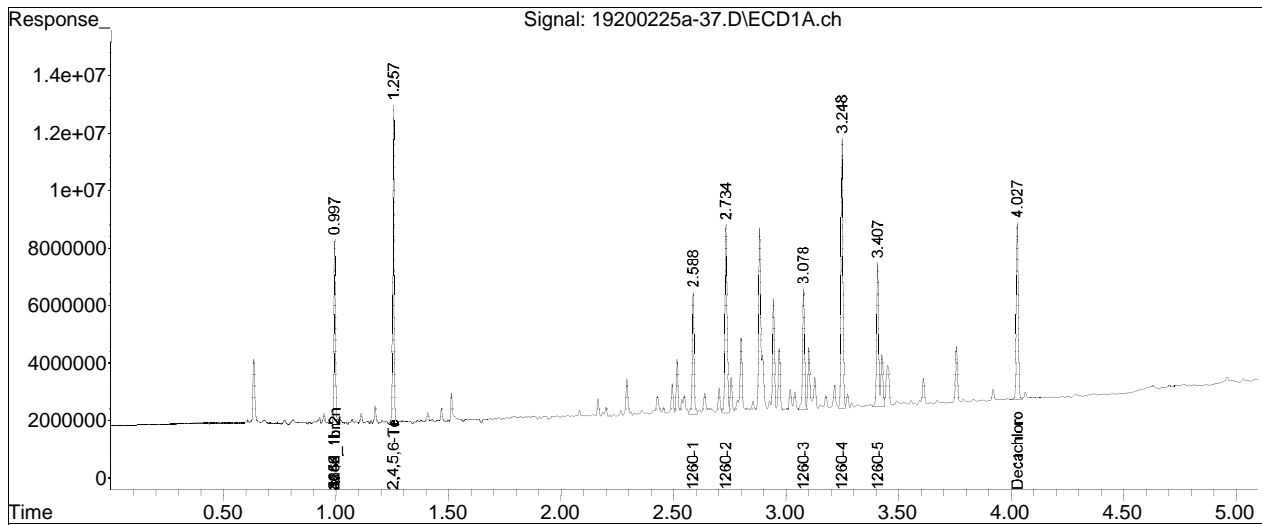
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200225a\
Data File : 19200225a-37.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2020 11:27 pm
Operator : pest19:aws
Sample : l2007688-01,42e,,re
Misc : wg1344121,wg1343995,ical16321
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:24:25 2020
Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

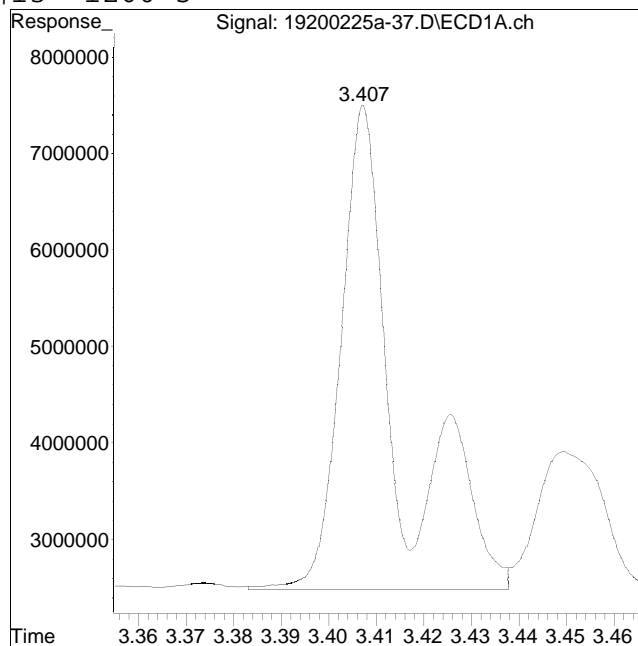
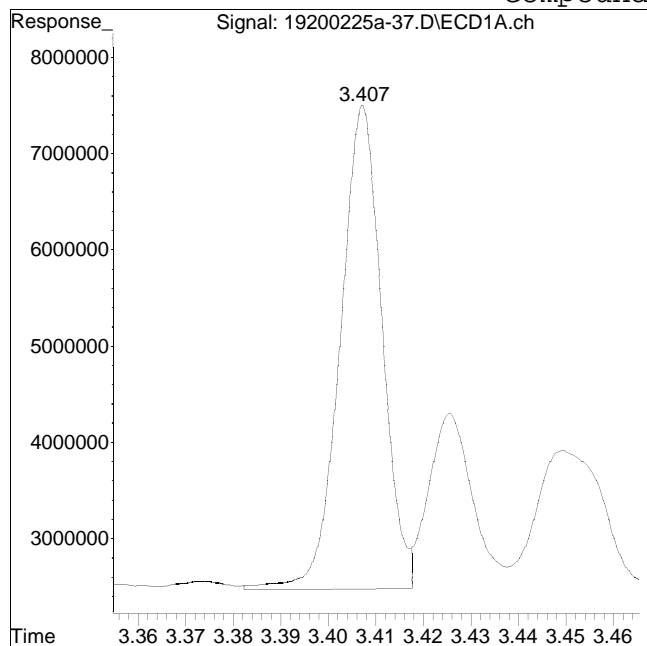


Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-37.D
Date Inj'd : 2/25/2020 11:27 pm
Sample : 12007688-01,42e,,re

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/26/2020 2:06 pm

Compound #13: 1260-5



Original Peak Response = 30661600

Manual Peak Response = 42121800 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200226a\
 Data File : 19200226a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Feb 2020 10:07 pm
 Operator : pest19:aws
 Sample : L2007688-06d,42e,5,
 Misc : wgl1344516,wgl1343629,ical16321
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 13:19:38 2020
 Quant Method : I:\Pest19\200226a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200226a\19200226a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.998	1.033	29627467	44581659	250.000	250.000
Standard Area 1 : #1 = 28505346					Recovery =	103.94%
Standard Area 1 : #2 = 42335205					Recovery =	105.31%
14) i 2154_1br2nb	0.998	1.033	29627467	44581659	250.000	250.000
23) i 4268_1br2nb	0.998	1.033	29627467	44581659	250.000	250.000
34) i 1248_1br2nb	0.998	1.033	29627467	44581659	250.000	250.000
40) i 3262_1br2nb	0.998	1.033	29627467	44581659	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.258	1.378	7279875	10650952	47.085	46.776
Spiked Amount 500.000 Range 30 - 150					Recovery =	9.42%# 9.36%#
3) s Decachlorobi	4.026	4.520	4663112	9363381	37.599M4	48.752M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	7.52%# 9.75%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.588f	2.958	15865155	24609215	2031.787	2052.023M3
10) l2 1260-2	2.733f	3.073	29254254	35264717	2491.678	2505.870M4
11) l2 1260-3	3.078f	3.492	17472181	30808334	2286.846	2511.653
12) l2 1260-4	3.248f	3.634	42629166	65884490	2653.477	2552.430
13) l2 1260-5	3.405f	3.845	32636495	46716972	2811.397M1	2605.336
Sum 1260-1			137.9E6	203.3E6	12275.184	12227.311
Average 1260-1					2455.037	2445.462

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200226a\
 Data File : 19200226a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Feb 2020 10:07 pm
 Operator : pest19:aws
 Sample : L2007688-06d,42e,5,
 Misc : wgl1344516,wgl1343629,ical16321
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 13:19:38 2020
 Quant Method : I:\Pest19\200226a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200226a\19200226a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200226a\
 Data File : 19200226a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Feb 2020 10:07 pm
 Operator : pest19:aws
 Sample : L2007688-06d,42e,5,
 Misc : wgl1344516,wgl1343629,ical16321
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 13:19:38 2020
 Quant Method : I:\Pest19\200226a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200226a\19200226a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200226a\
 Data File : 19200226a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Feb 2020 10:07 pm
 Operator : pest19:aws
 Sample : L2007688-06d,42e,5,
 Misc : wgl1344516,wgl1343629,ical16321
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 13:19:38 2020
 Quant Method : I:\Pest19\200226a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200226a\19200226a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

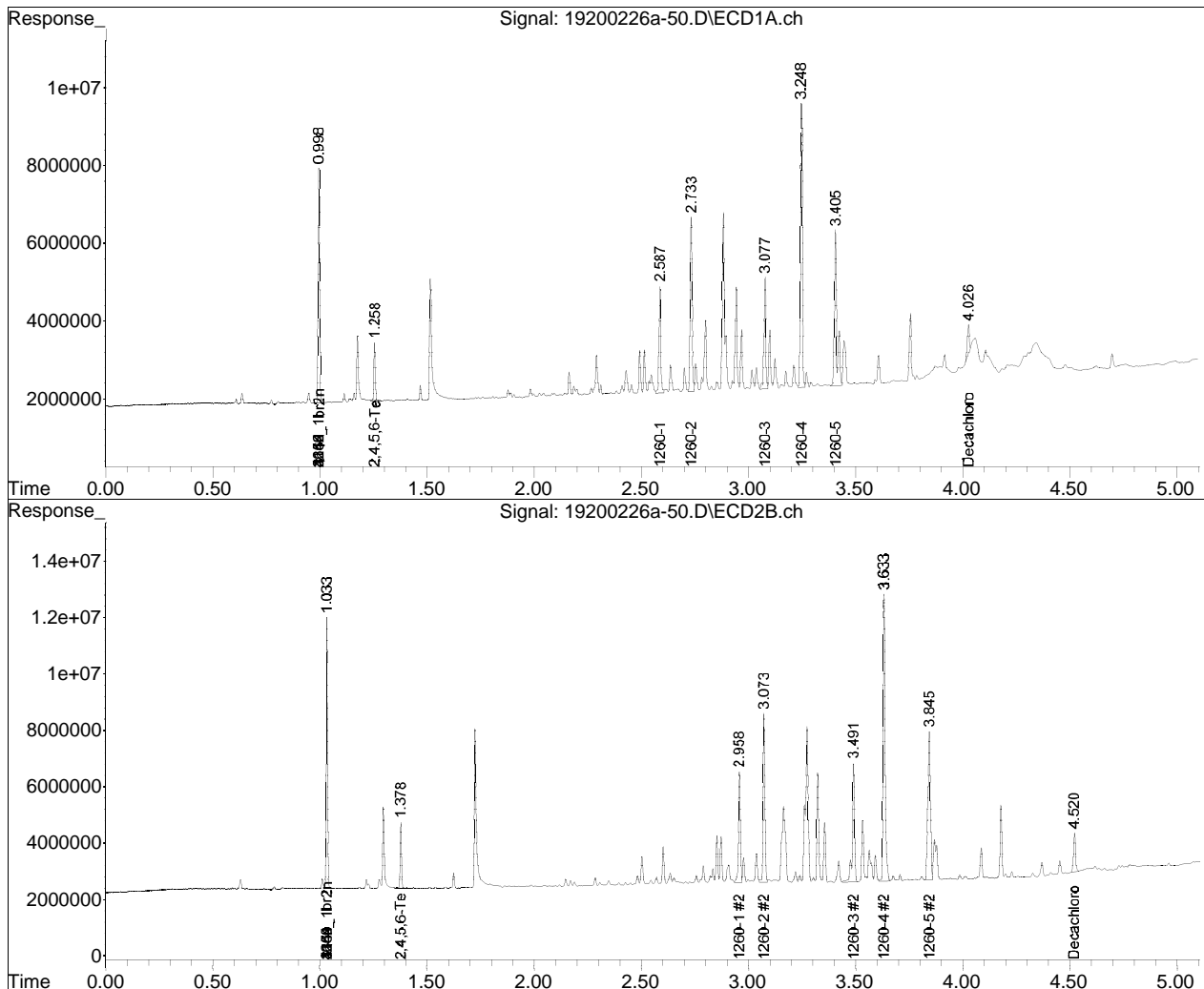
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-44.D••d)

Data Path : I:\Pest19\200226a\
Data File : 19200226a-50.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2020 10:07 pm
Operator : pest19:aws
Sample : L2007688-06d,42e,5,
Misc : wg1344516,wg1343629,ical16321
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 13:19:38 2020
Quant Method : I:\Pest19\200226a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

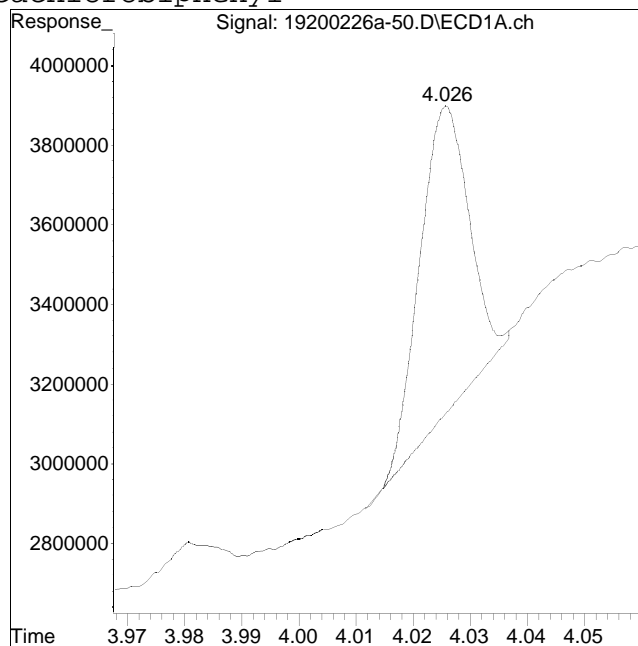
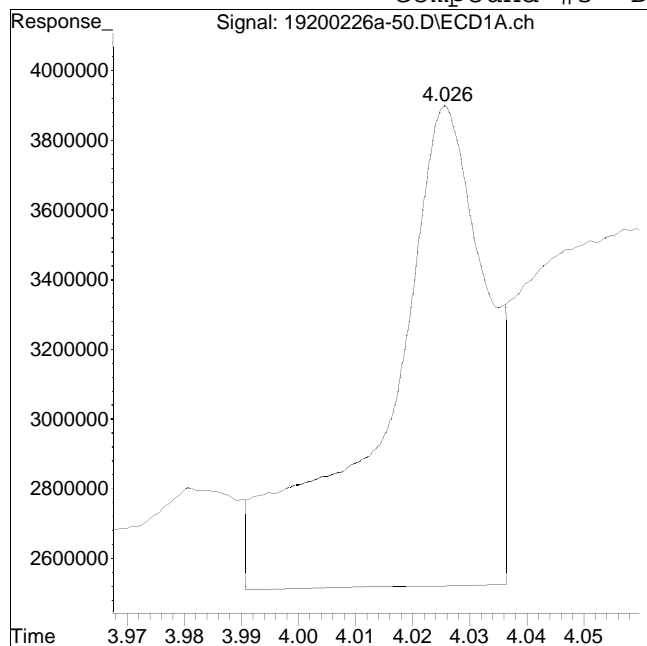


Manual Integration Report

Data Path : I:\Pest19\200226a\
Data File : 19200226a-50.D
Date Inj'd : 2/26/2020 10:07 pm
Sample : L2007688-06d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/27/2020 1:18 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 16801636

Manual Peak Response = 4663112 M4

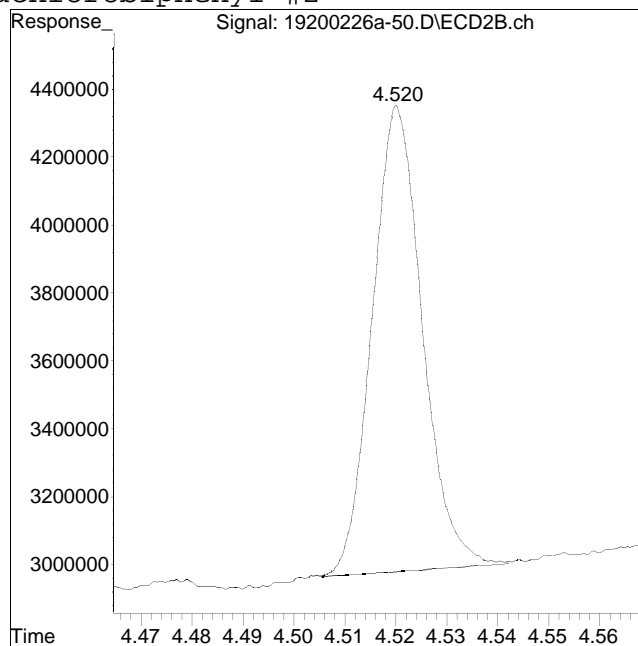
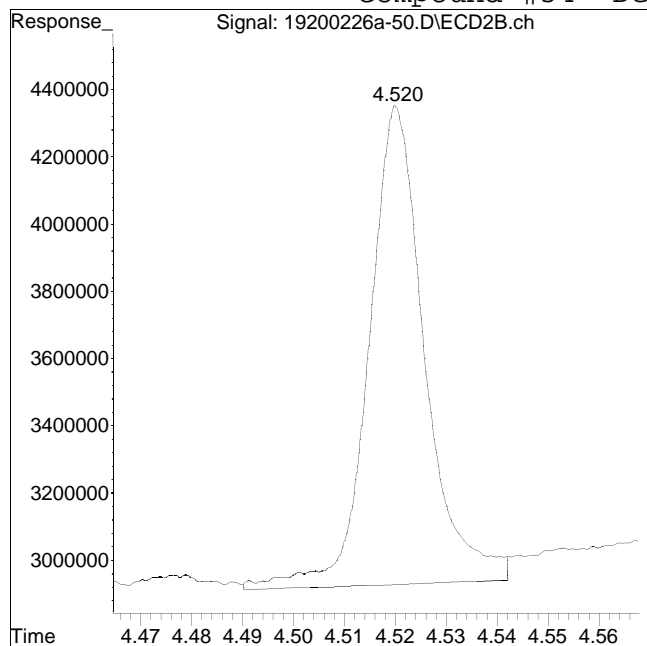
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200226a\
Data File : 19200226a-50.D
Date Inj'd : 2/26/2020 10:07 pm
Sample : L2007688-06d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/27/2020 1:18 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 10814236

Manual Peak Response = 9363381 M4

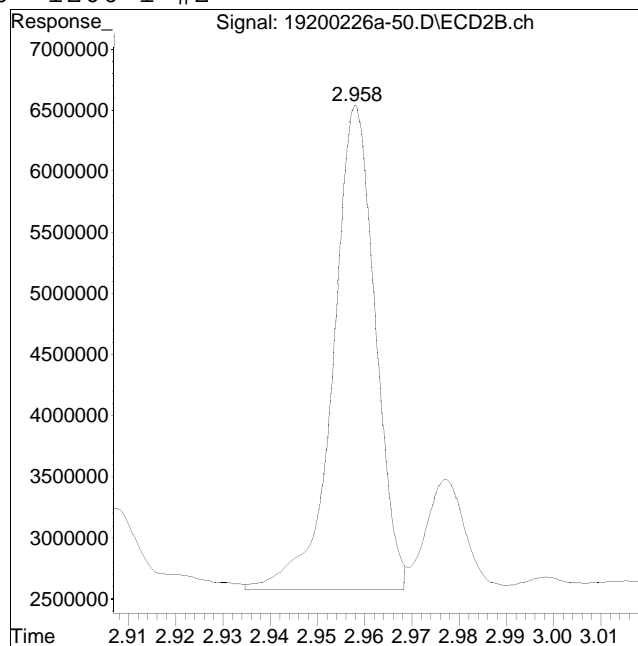
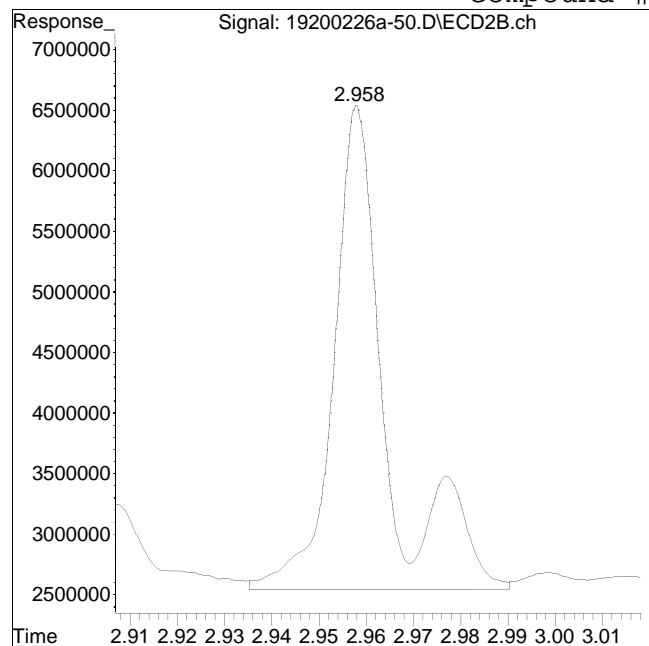
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200226a\
Data File : 19200226a-50.D
Date Inj'd : 2/26/2020 10:07 pm
Sample : L2007688-06d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/27/2020 1:18 pm

Compound #60: 1260-1 #2



Original Peak Response = 30950584

Manual Peak Response = 24609215 M3

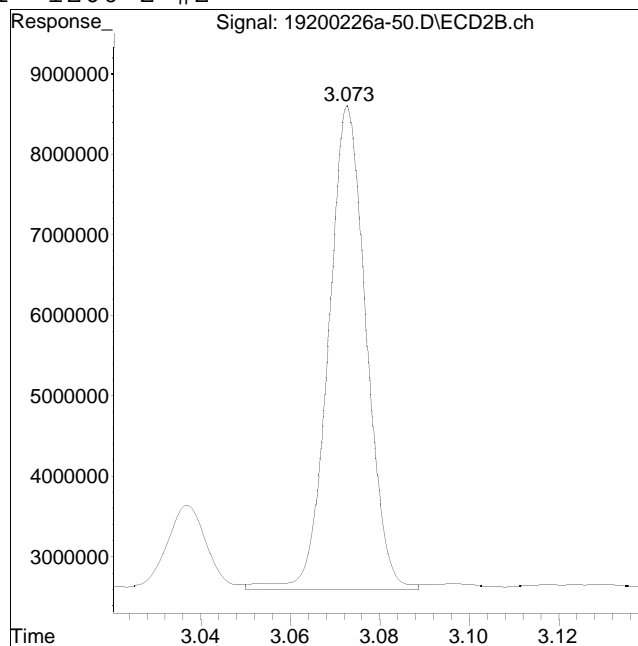
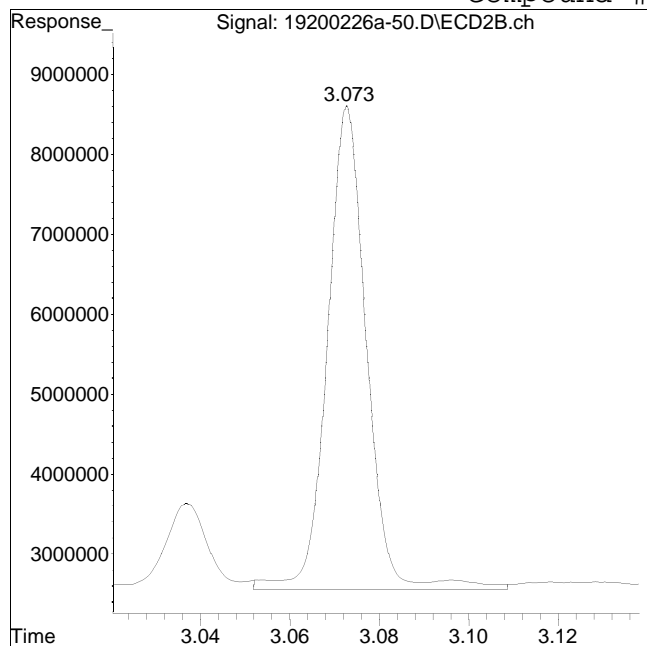
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200226a\
Data File : 19200226a-50.D
Date Inj'd : 2/26/2020 10:07 pm
Sample : L2007688-06d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/27/2020 1:18 pm

Compound #61: 1260-2 #2



Original Peak Response = 37187357

Manual Peak Response = 35264717 M4

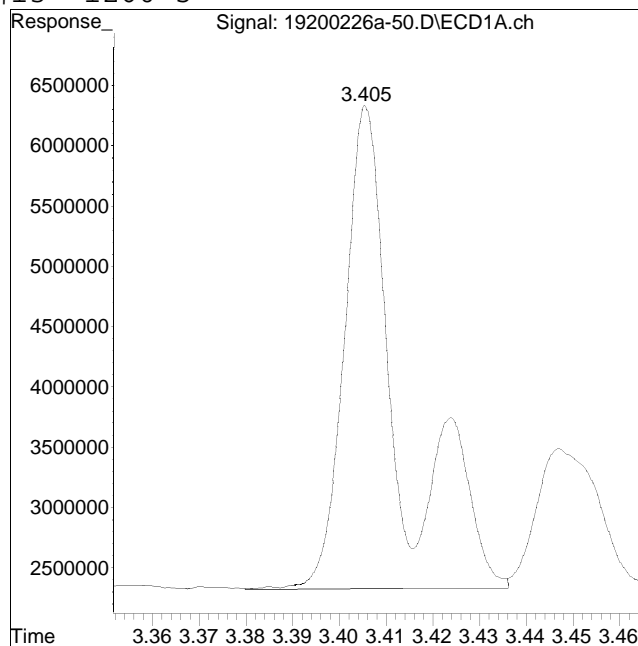
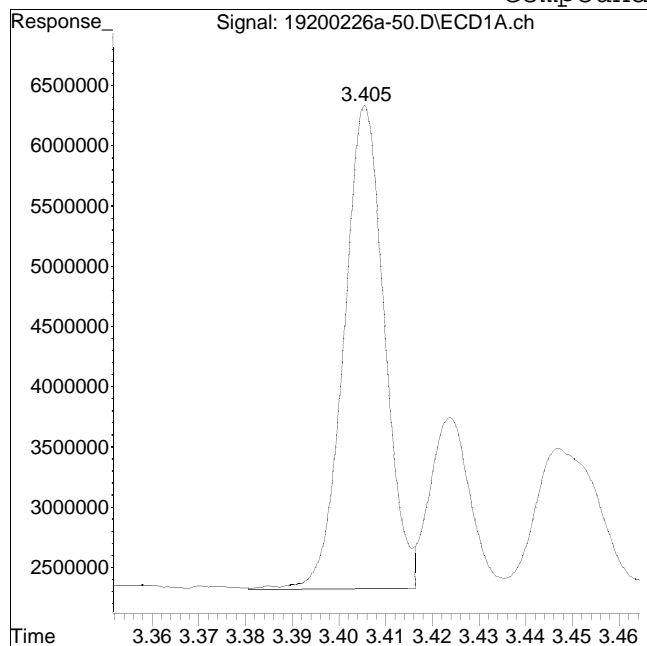
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200226a\
Data File : 19200226a-50.D
Date Inj'd : 2/26/2020 10:07 pm
Sample : L2007688-06d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/27/2020 1:18 pm

Compound #13: 1260-5



Original Peak Response = 24191974

Manual Peak Response = 32636495 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-24.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 2:52 pm
 Operator : pest2:ad
 Sample : l2007688-13,42e,,
 Misc : wgl1343754,wgl1343581,ical16010
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 17:36:56 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.090	2.279	105.7E6	70140152	25.000	25.000
Standard Area 1 : #1 = 99873687					Recovery = 105.80%	
Standard Area 1 : #2 = 66891680					Recovery = 104.86%	
14) i 2154_1br2nb	2.090	2.279	105.7E6	70140152	25.000	25.000
23) i 4268_1br2nb	2.090	2.279	105.7E6	70140152	25.000	25.000
34) i 1248_1br2nb	2.090	2.279	105.7E6	70140152	25.000	25.000
40) i 3262_1br2nb	2.090	2.279	105.7E6	70140152	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.569	2.920	57901117	40115245	13.355	13.574M4
Spiked Amount 20.000	Range 30 - 150				Recovery = 66.78%	67.87%
3) s Decachlorobi	6.567	7.266	43549160	30110457	10.463M4	13.033M4
Spiked Amount 20.000	Range 30 - 150				Recovery = 52.31%	65.16%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-24.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 2:52 pm
 Operator : pest2:ad
 Sample : l2007688-13,42e,,
 Misc : wgl1343754,wgl1343581,ical16010
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 17:36:56 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-24.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 2:52 pm
 Operator : pest2:ad
 Sample : l2007688-13,42e,,
 Misc : wgl1343754,wgl1343581,ical16010
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 17:36:56 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-24.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 2:52 pm
 Operator : pest2:ad
 Sample : l2007688-13,42e,,
 Misc : wgl1343754,wgl1343581,ical16010
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 17:36:56 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

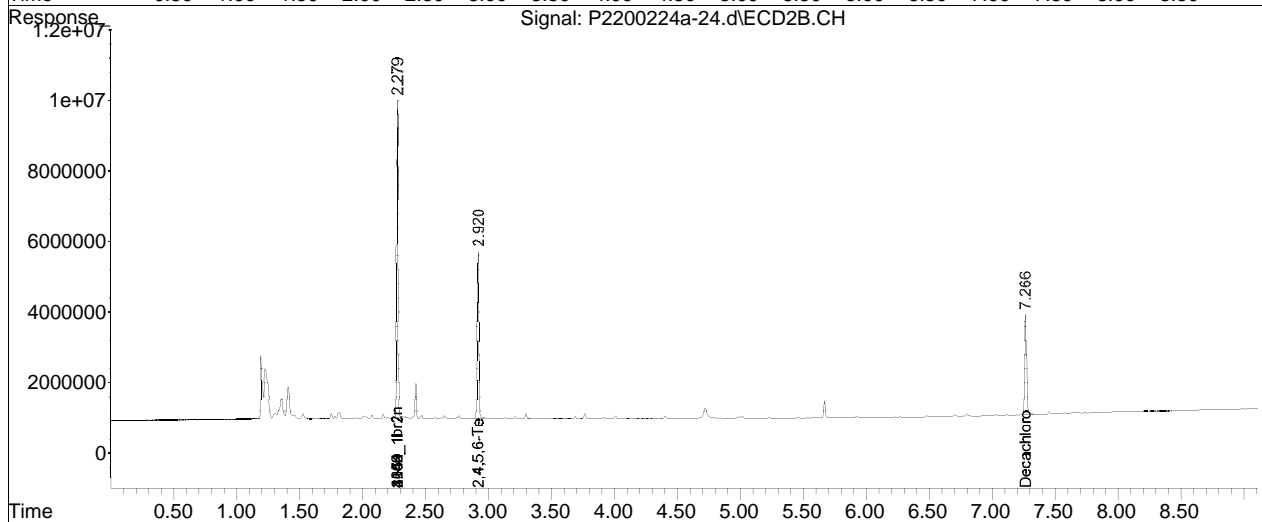
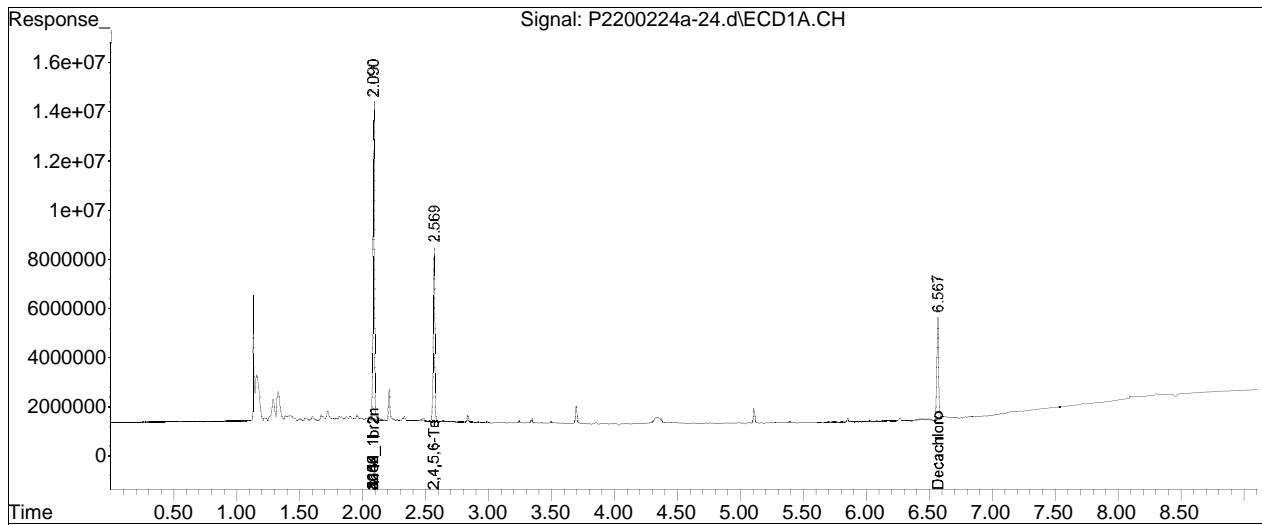
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200224A\
Data File : P2200224a-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Feb 2020 2:52 pm
Operator : pest2:ad
Sample : l2007688-13,42e,,
Misc : wg1343754,wg1343581,ical16010
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 17:36:56 2020
Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

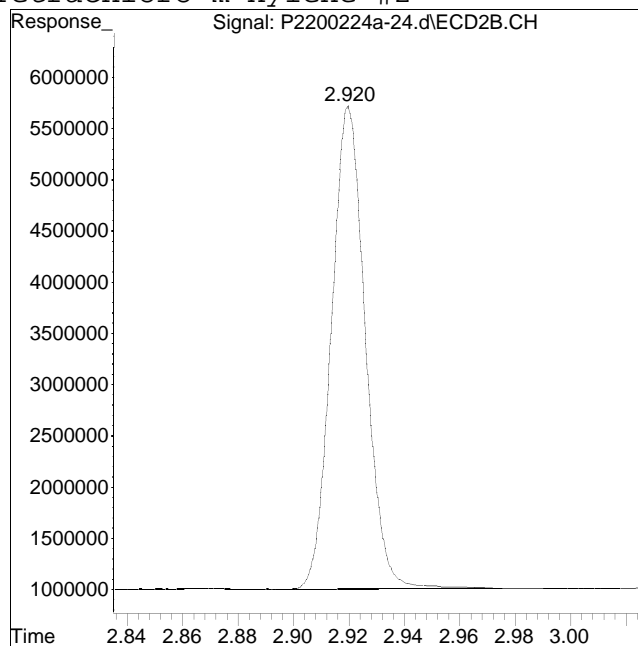
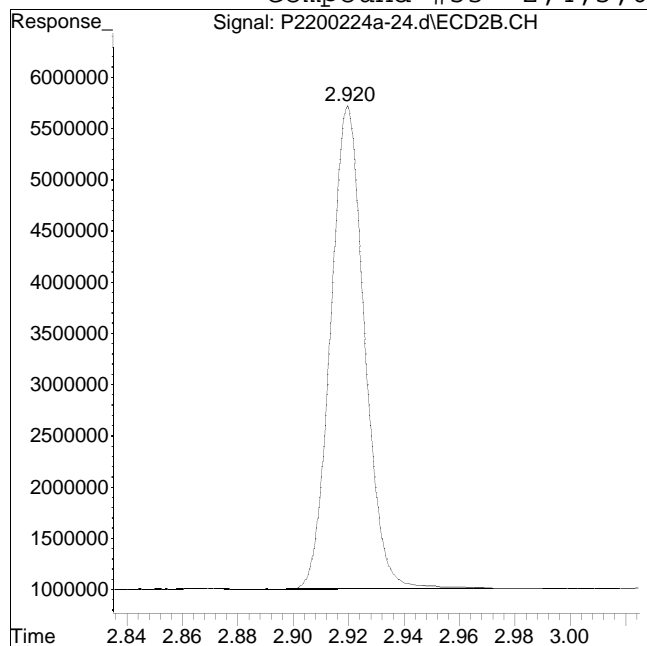


Manual Integration Report

Data Path : I:\Pest2\200224A\
Data File : P2200224a-24.d
Date Inj'd : 2/24/2020 2:52 pm
Sample : 12007688-13,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/26/2020 5:19 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 40013424

Manual Peak Response = 40115245 M4

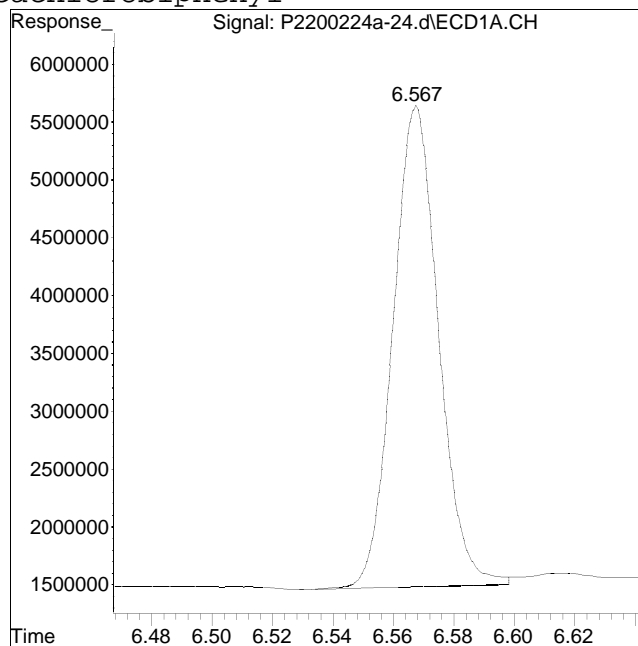
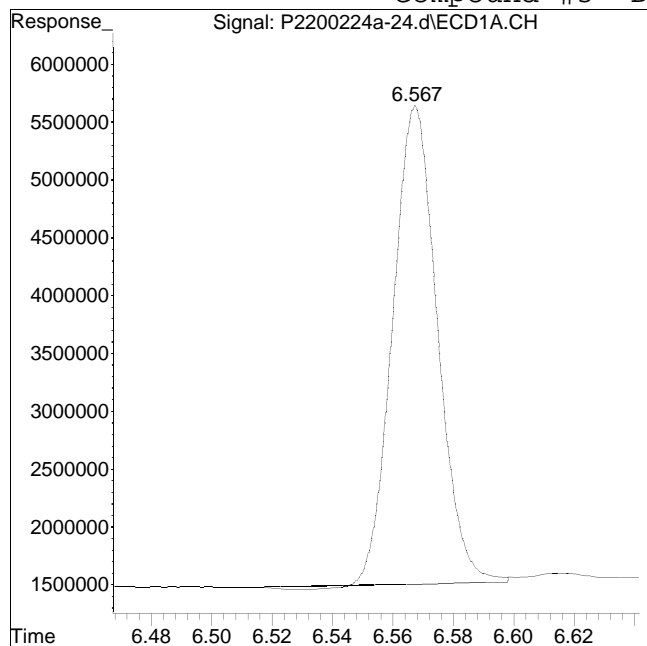
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200224A\
Data File : P2200224a-24.d
Date Inj'd : 2/24/2020 2:52 pm
Sample : 12007688-13,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/26/2020 5:19 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 42260548

Manual Peak Response = 43549160 M4

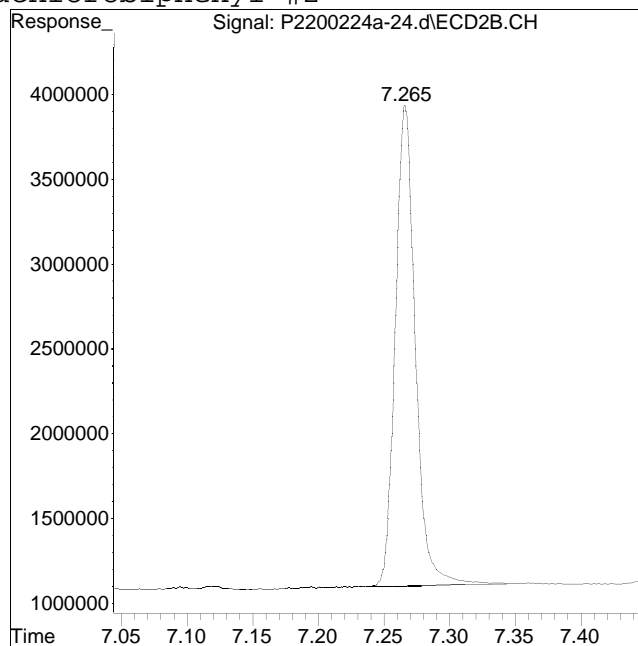
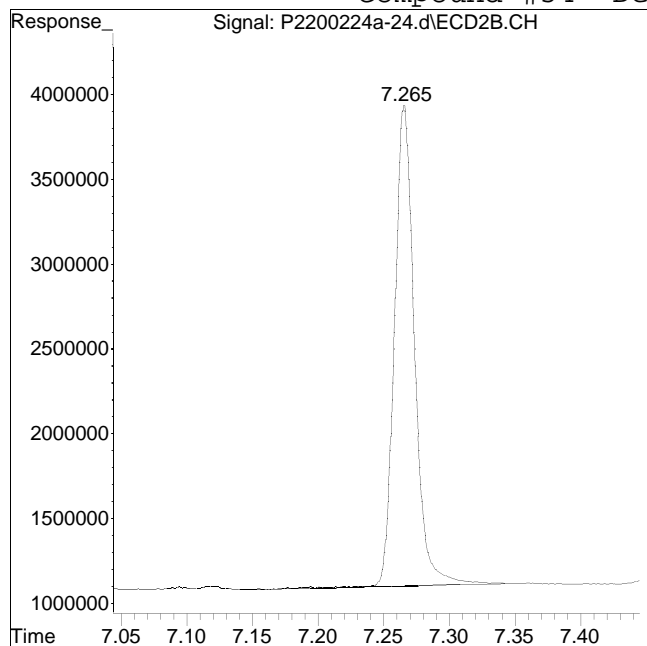
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200224A\
Data File : P2200224a-24.d
Date Inj'd : 2/24/2020 2:52 pm
Sample : 12007688-13,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/26/2020 5:19 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 30240520

Manual Peak Response = 30110457 M4

M4 = Poor automated baseline construction.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:43 pm
 Operator : pest19:cw
 Sample : wg1343629-1,42e,,
 Misc : wg1343938,wg1343629,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:16:58 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.990	1.032	36950069	56247351	250.000	250.000
Standard Area 1 : #1 = 26646155					Recovery =	138.67%
Standard Area 1 : #2 = 40763919					Recovery =	137.98%
14) i 2154_1br2nb	0.990	1.032	36950069	56247351	250.000	250.000
23) i 4268_1br2nb	0.990	1.032	36950069	56247351	250.000	250.000
34) i 1248_1br2nb	0.990	1.032	36950069	56247351	250.000	250.000
40) i 3262_1br2nb	0.990	1.032	36950069	56247351	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.245	1.374	48642074	72308670	252.261	251.698
Spiked Amount 500.000	Range 30 - 150				Recovery =	50.45% 50.34%
3) s Decachlorobi	3.999	4.502	39570083	58516757	255.830M4	241.486M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	51.17% 48.30%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:43 pm
 Operator : pest19:cw
 Sample : wg1343629-1,42e,,
 Misc : wg1343938,wg1343629,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:16:58 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:43 pm
 Operator : pest19:cw
 Sample : wg1343629-1,42e,,
 Misc : wg1343938,wg1343629,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:16:58 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200224b\
 Data File : 19200224b-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 09:43 pm
 Operator : pest19:cw
 Sample : wg1343629-1,42e,,
 Misc : wg1343938,wg1343629,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:16:58 2020
 Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200224b\19200224b-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

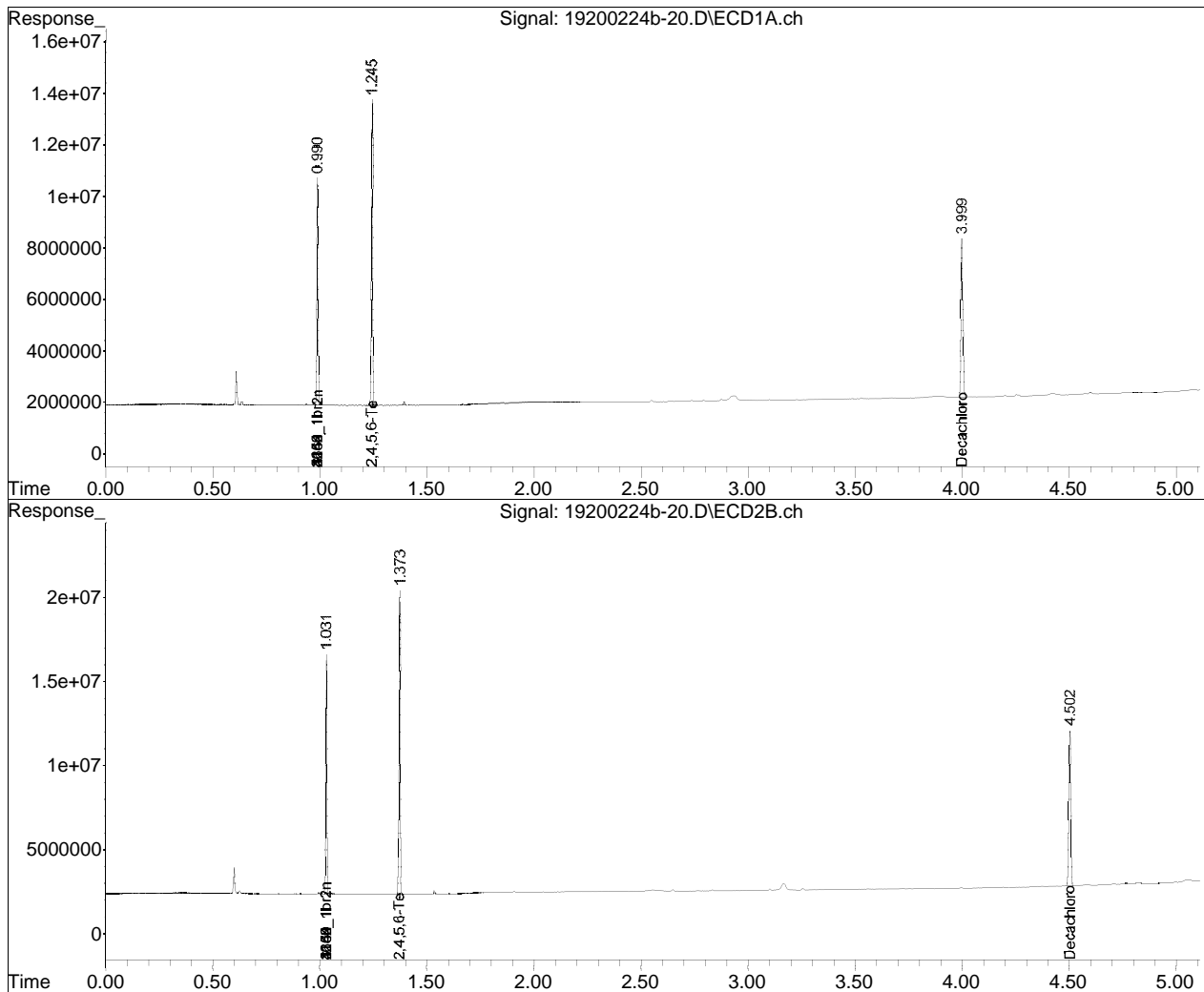
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listedb-02.D••d)

Data Path : I:\Pest19\200224b\
Data File : 19200224b-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 09:43 pm
Operator : pest19:cw
Sample : wg1343629-1,42e,,
Misc : wg1343938,wg1343629,ical16321
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:16:58 2020
Quant Method : I:\Pest19\200224b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

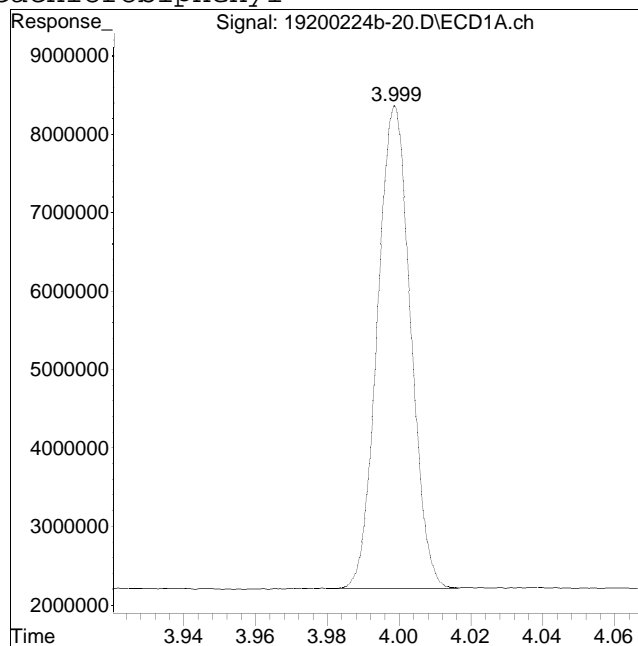
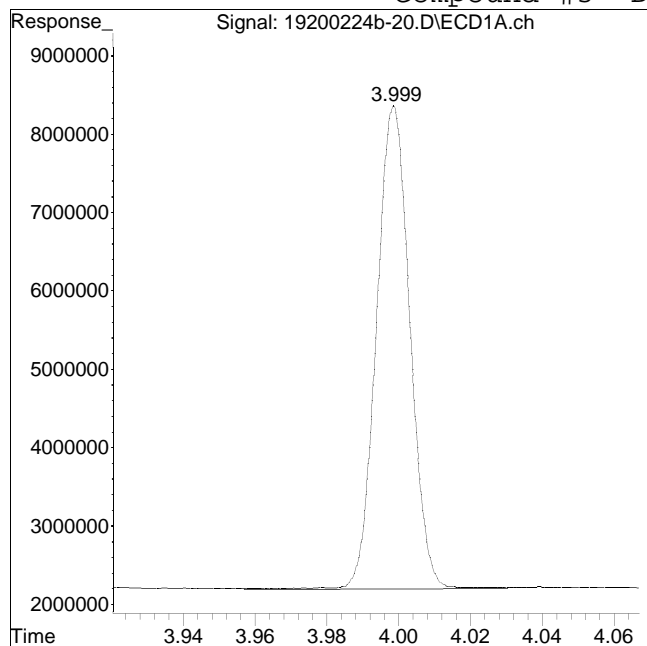


Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-20.D
Date Inj'd : 2/24/2020 9:43 pm
Sample : wg1343629-1,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 40190109

Manual Peak Response = 39570083 M4

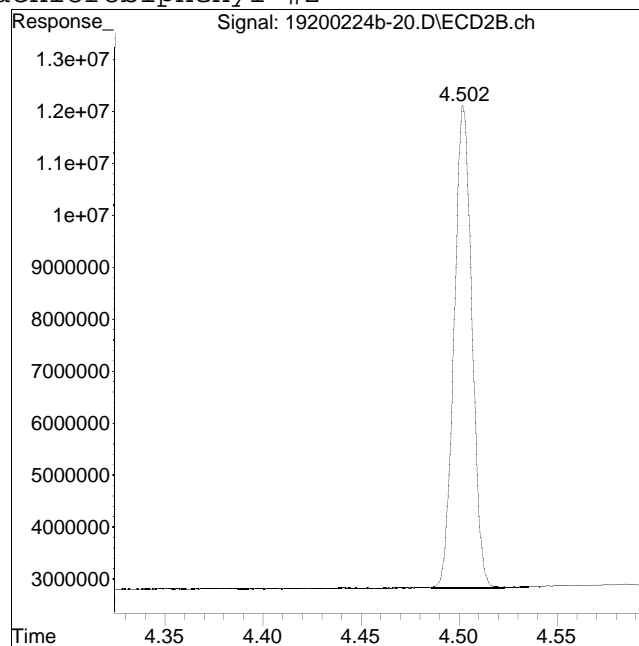
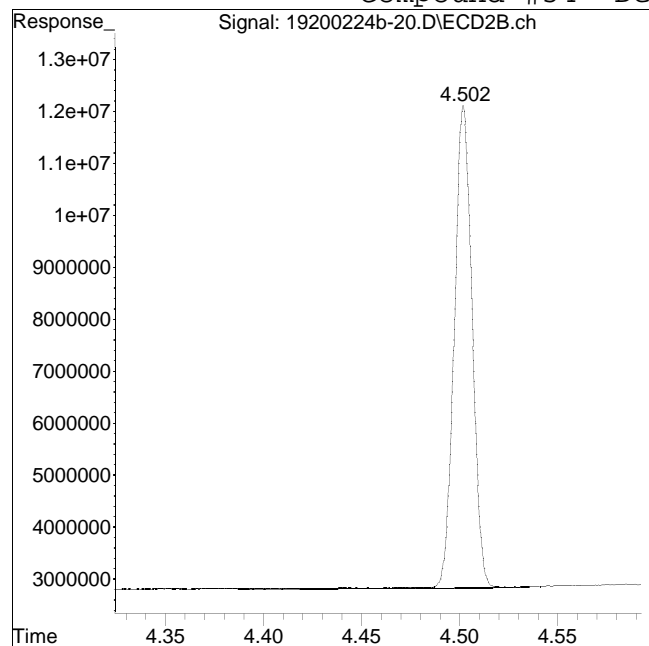
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200224b\
Data File : 19200224b-20.D
Date Inj'd : 2/24/2020 9:43 pm
Sample : wg1343629-1,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 2/26/2020 2:15 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 59304860

Manual Peak Response = 58516757 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200225a\
 Data File : 23200225a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 12:15 pm
 Operator : pest23:aws
 Sample : wg1343995-1,42e,,re
 Misc : wg1344117,wg1343995,ical16474
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 12:32:57 2020
 Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200225a\23200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.926	1.015	21223570	24651481	250.000	250.000
Standard Area 1 : #1 = 21265471					Recovery =	99.80%
Standard Area 1 : #2 = 24469510					Recovery =	100.74%
14) i 2154_1br2nb	0.926	1.015	21223570	24651481	250.000	250.000
23) i 4268_1br2nb	0.926	1.015	21223570	24651481	250.000	250.000
34) i 1248_1br2nb	0.926	1.015	21223570	24651481	250.000	250.000
40) i 3262_1br2nb	0.926	1.015	21223570	24651481	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.167	1.356	48553963	55306673	374.252	405.929
Spiked Amount 500.000	Range 30 - 150				Recovery =	74.85%
3) s Decachlorobi	3.552	4.172	44401688	48122105	506.643	391.358M2
Spiked Amount 500.000	Range 30 - 150				Recovery =	101.33%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200225a\
 Data File : 23200225a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 12:15 pm
 Operator : pest23:aws
 Sample : wg1343995-1,42e,,re
 Misc : wg1344117,wg1343995,ical16474
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 12:32:57 2020
 Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200225a\23200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200225a\
 Data File : 23200225a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 12:15 pm
 Operator : pest23:aws
 Sample : wg1343995-1,42e,,re
 Misc : wg1344117,wg1343995,ical16474
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 12:32:57 2020
 Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200225a\23200225a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200225a\
 Data File : 23200225a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 12:15 pm
 Operator : pest23:aws
 Sample : wg1343995-1,42e,,re
 Misc : wg1344117,wg1343995,ical16474
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 12:32:57 2020
 Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200225a\23200225a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

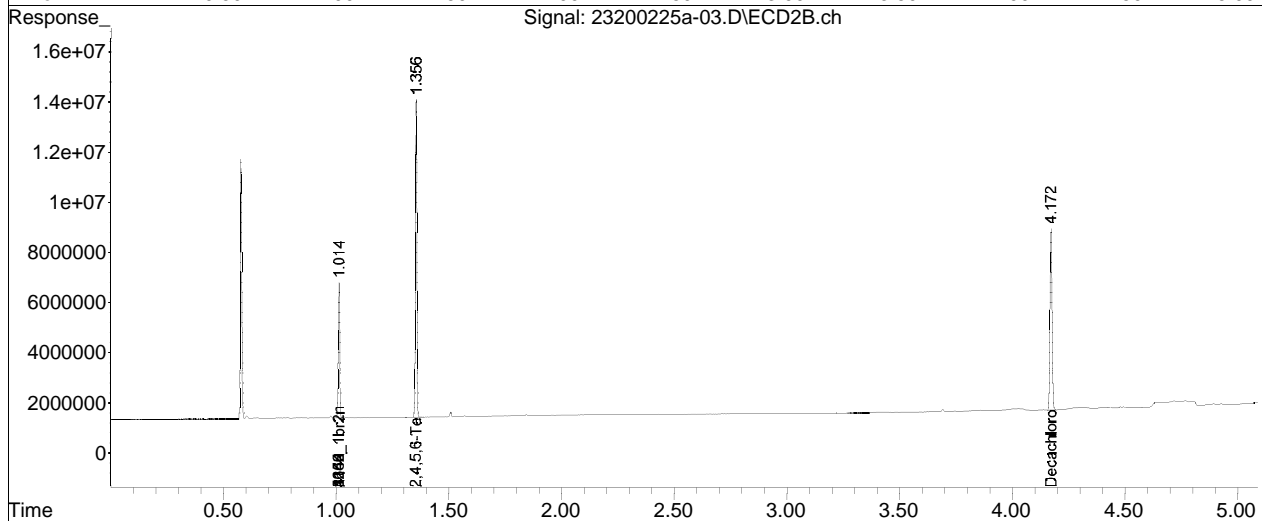
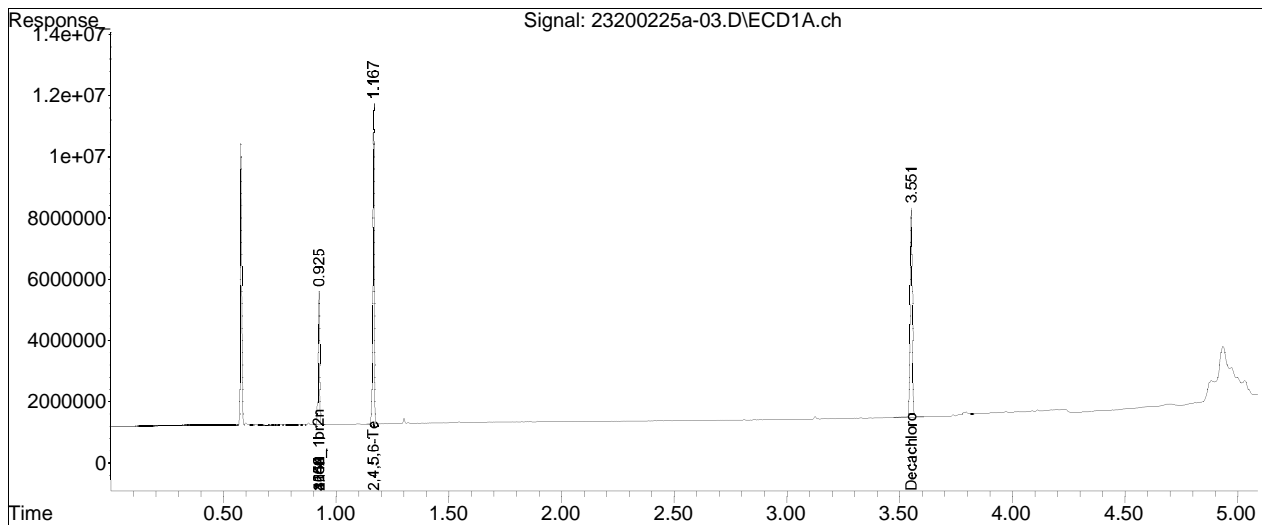
Sub List : Default - All compounds listed25a\23200225a-02.D••

Data Path : I:\Pest23\data\2020\23200225a\
Data File : 23200225a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2020 12:15 pm
Operator : pest23:aws
Sample : wg1343995-1,42e,,re
Misc : wg1344117,wg1343995,ical16474
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 12:32:57 2020
Quant Method : I:\Pest23\data\2020\23200225a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Tue Feb 25 10:16:09 2020
Response via : Initial Calibration
Integrator: ChemStation

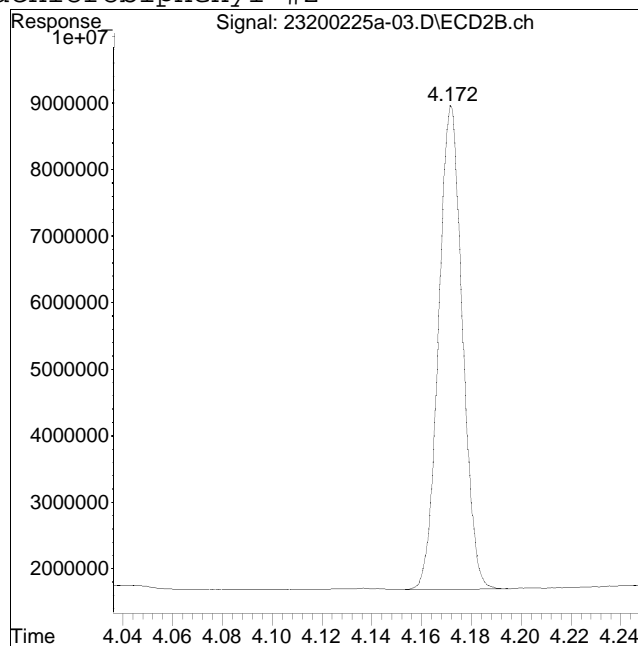
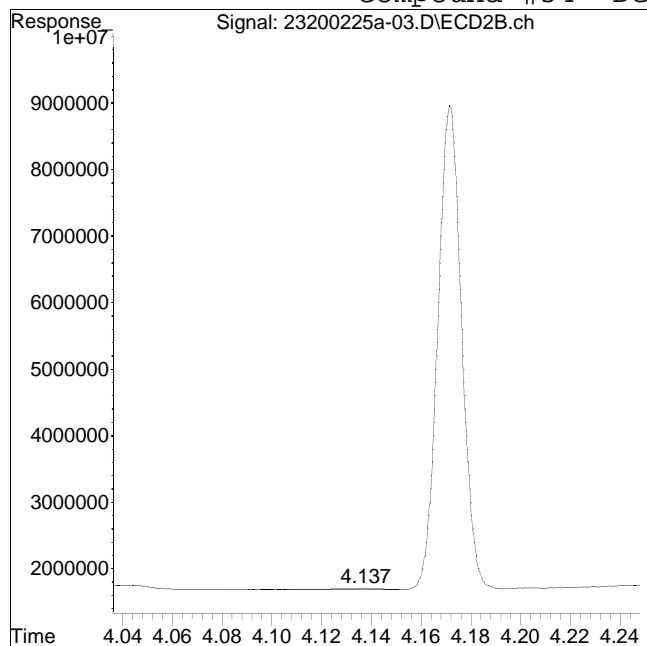
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200225a-03.D Operator : pest23:aws
Date Inj'd : 2/25/2020 12:15 pm Instrument : Pest 23
Sample : wg1343995-1,42e,,re Quant Date : 2/26/2020 12:32 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 272466

Manual Peak Response = 48122105 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 4:13 pm
 Operator : pest2:ad
 Sample : wgl1343581-1,42e,,
 Misc : wgl1343754,wgl1343581,ical16010
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 18:09:00 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.090	2.279	94772932	63812988	25.000M4	25.000
Standard Area 1 : #1 = 108448144					Recovery =	87.39%
Standard Area 1 : #2 = 73429025					Recovery =	86.90%
14) i 2154_1br2nb	2.090	2.279	94772932	63812988	25.000M4	25.000
23) i 4268_1br2nb	2.090	2.279	94772932	63812988	25.000M4	25.000
34) i 1248_1br2nb	2.090	2.279	94772932	63812988	25.000M4	25.000
40) i 3262_1br2nb	2.090	2.279	94772932	63812988	25.000M4	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.569	2.921	45051880	31107336	11.586	11.569
Spiked Amount 20.000	Range 30 - 150				Recovery =	57.93% 57.84%
3) s Decachlorobi	6.568	7.270	42915857	29733177	11.497M4	14.146M4
Spiked Amount 20.000	Range 30 - 150				Recovery =	57.48% 70.73%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 4:13 pm
 Operator : pest2:ad
 Sample : wg1343581-1,42e,,
 Misc : wg1343754,wg1343581,ical16010
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 18:09:00 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 4:13 pm
 Operator : pest2:ad
 Sample : wg1343581-1,42e,,
 Misc : wg1343754,wg1343581,ical16010
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 18:09:00 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-26.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 4:13 pm
 Operator : pest2:ad
 Sample : wg1343581-1,42e,,
 Misc : wg1343754,wg1343581,ical16010
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 18:09:00 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

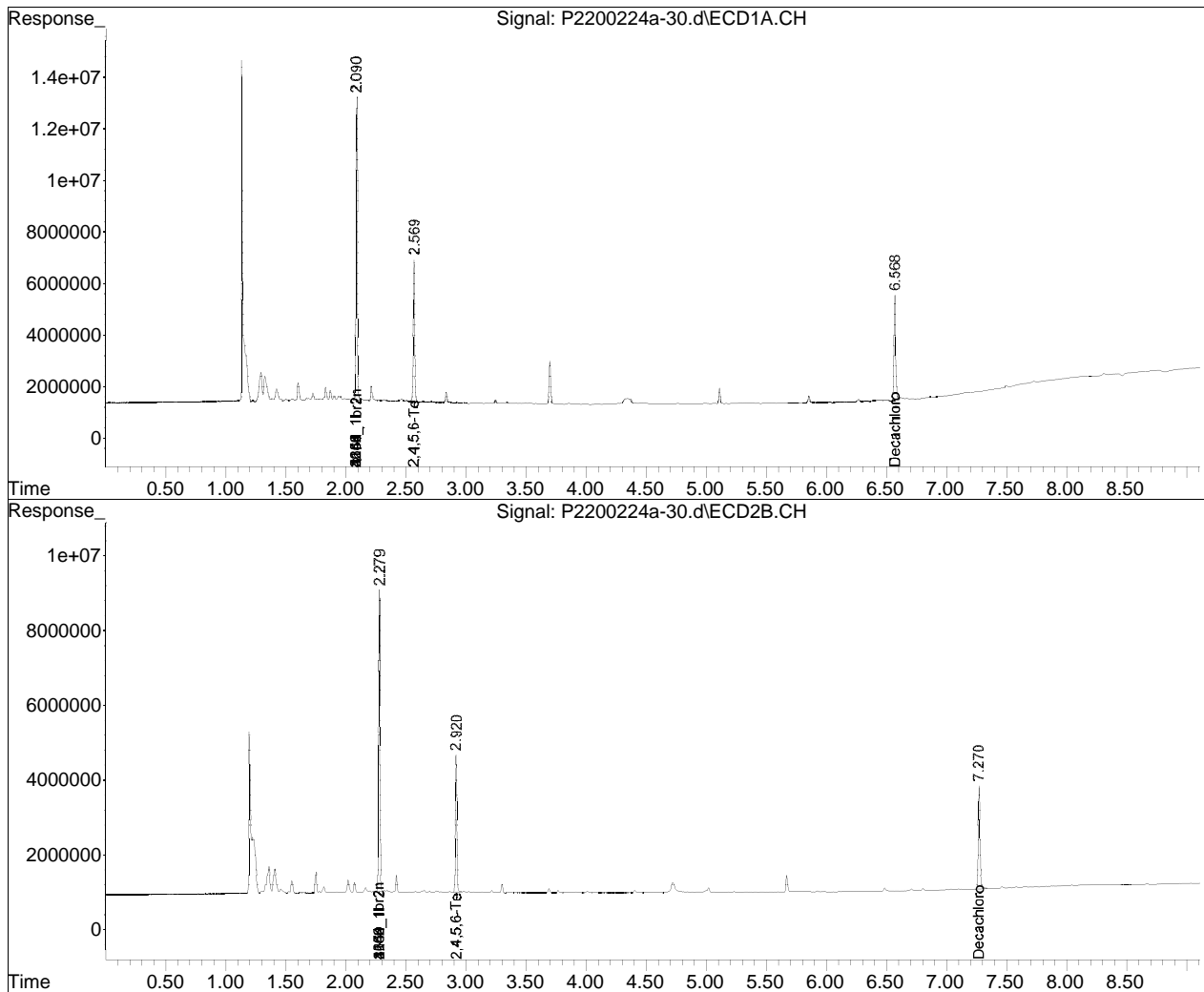
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-26.d••ed)

Data Path : I:\Pest2\200224A\
Data File : P2200224a-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Feb 2020 4:13 pm
Operator : pest2:ad
Sample : wg1343581-1,42e,,
Misc : wg1343754,wg1343581,ical16010
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 18:09:00 2020
Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

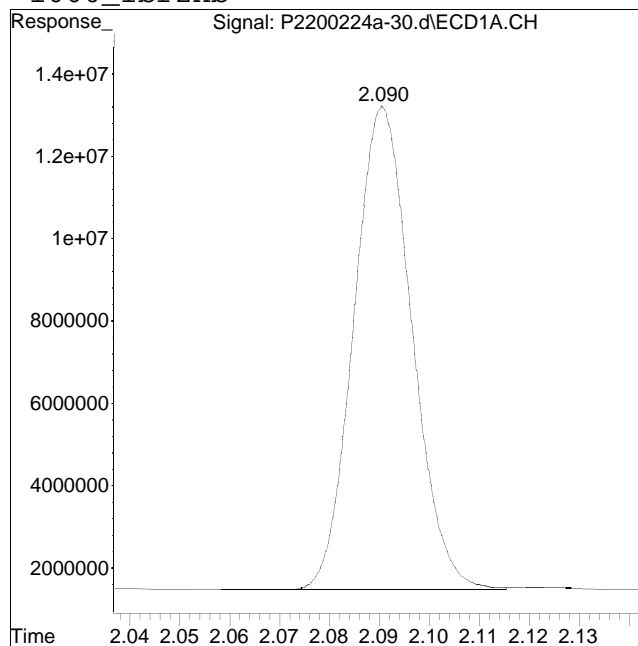
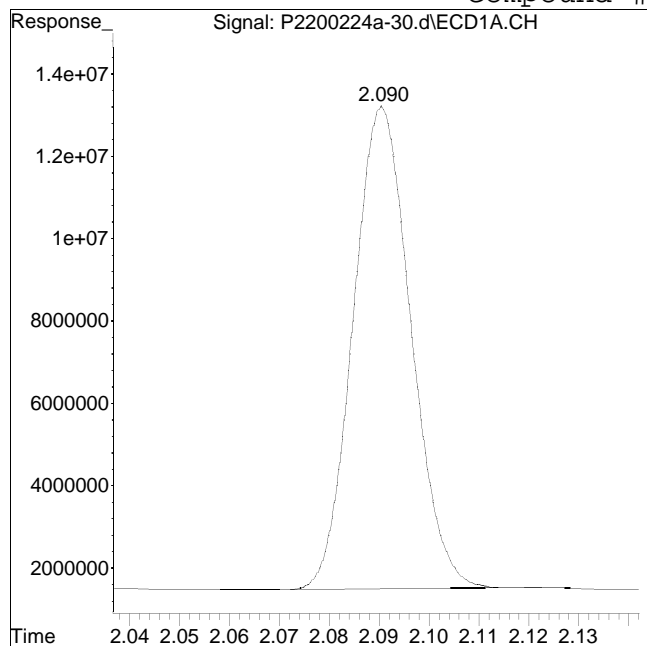


Manual Integration Report

Data Path : I:\Pest2\200224A\
Data File : P2200224a-30.d
Date Inj'd : 2/24/2020 4:13 pm
Sample : wg1343581-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/26/2020 6:06 pm

Compound #1: 1660_1br2nb



Original Peak Response = 93942995

Manual Peak Response = 94772932 M4

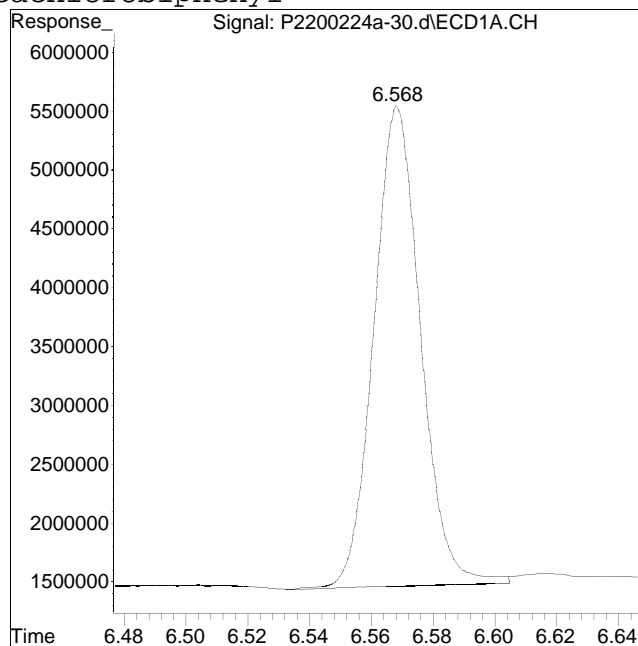
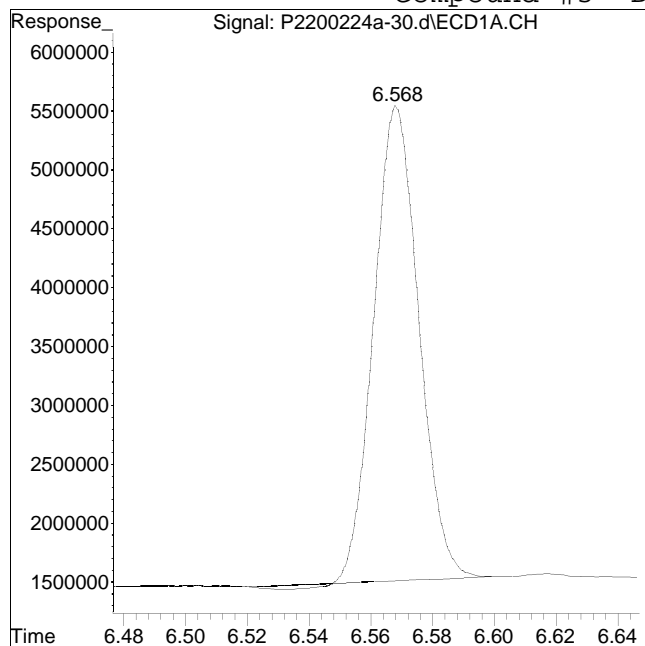
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200224A\
Data File : P2200224a-30.d
Date Inj'd : 2/24/2020 4:13 pm
Sample : wg1343581-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/26/2020 6:06 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 40528304

Manual Peak Response = 42915857 M4

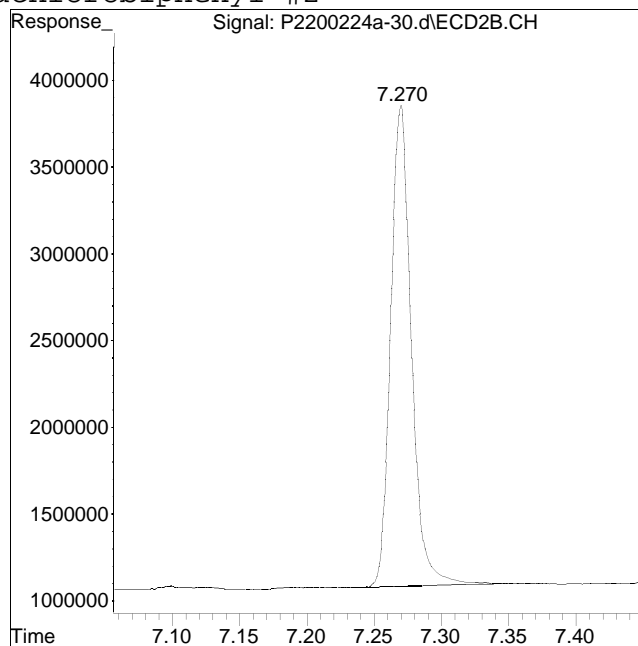
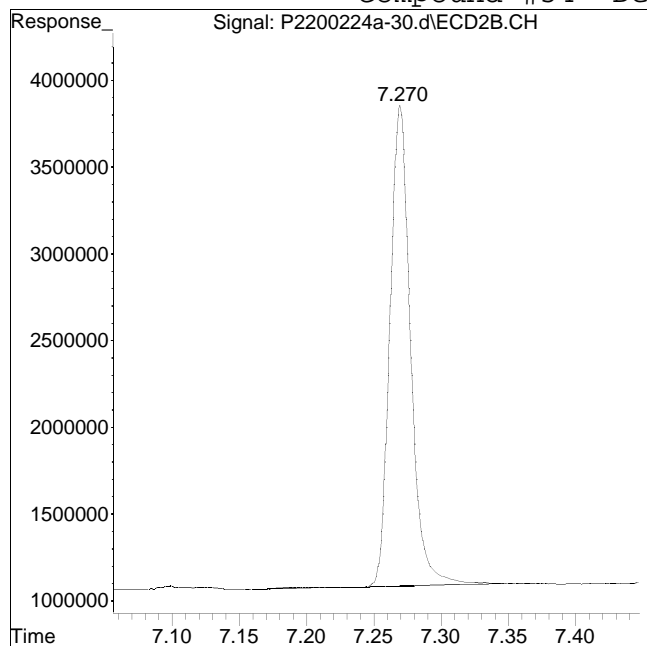
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200224A\
Data File : P2200224a-30.d
Date Inj'd : 2/24/2020 4:13 pm
Sample : wg1343581-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/26/2020 6:06 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 29709253

Manual Peak Response = 29733177 M4

M4 = Poor automated baseline construction.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-01	Date Collected : 02/20/20 09:08
Client ID : E-118-0.5-1.0	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	77.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-02	Date Collected : 02/20/20 09:20
Client ID : E-118-2.0-2.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 93
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	93.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-03	Date Collected : 02/20/20 09:25
Client ID : E-118-3.0-3.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 93
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	93.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-04	Date Collected : 02/20/20 09:55
Client ID : E-117-0.5-1.0	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-05	Date Collected : 02/20/20 10:05
Client ID : E-117-2.0-2.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-06	Date Collected : 02/20/20 10:25
Client ID : E-117-3.0-3.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-07	Date Collected : 02/20/20 10:53
Client ID : E-120-0.5-1.0	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-08	Date Collected : 02/20/20 10:57
Client ID : E-120-2.0-2.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-09	Date Collected : 02/20/20 11:10
Client ID : E-120-3.0-3.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-10	Date Collected : 02/20/20 11:40
Client ID : E-125-0.5-1.0	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-11	Date Collected : 02/20/20 12:40
Client ID : E-125-2.0-2.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	79.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2007688-12	Date Collected : 02/20/20 12:47
Client ID : E-125-3.0-3.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 91
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007688
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1343180-1	Date Collected : 02/20/20 09:08
Client ID : E-118-0.5-1.0DUP	Date Received : 02/20/20
Sample Location :	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	77.0	0.100	NA	



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007688
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-118-0.5-1.0	Matrix	: SLUDGE
Lab Sample ID	: L2007688-01	Analysis Date	: 02/21/20 13:26
Dup Sample ID	: WG1343180-1	DUP Analysis Date	: 02/21/20 13:26

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	77.9	77.0	1	20





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Lab Number: L2007690

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0007.03

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**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0007.03	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2007690	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/20/2020	Date of Last Sample Receipt: 02/20/2020

Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-116-0.5-1.0	L2007690-01	AMTRAK-EAST BARRACKS	02/20/2020 13:03
E-116-2.0-2.5	L2007690-02	AMTRAK-EAST BARRACKS	02/20/2020 13:10
E-116-4.0-4.5	L2007690-03	AMTRAK-EAST BARRACKS	02/20/2020 13:18
E-113-0.5-1.0	L2007690-04	AMTRAK-EAST BARRACKS	02/20/2020 13:34
E-113-2.0-2.5	L2007690-05	AMTRAK-EAST BARRACKS	02/20/2020 13:37

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.

Technical Director/Representative (Typed) Tiffani Morrissey	03/05/20
Technical Director/Representative (Signature) <i>Tiffani Morrissey</i>	

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Chain of Custody



ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 05 2020, 01:46 pm

Login Number: L2007690

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0007.03

Received: 20FEB20 Due Date: 05MAR20

Sample #	Client ID	Mat PR Collected
L2007690-01	E-116-0.5-1.0	3 S0 20FEB20 13:03
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 03/05/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2007690-02	E-116-2.0-2.5	3 S0 20FEB20 13:10
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		
L2007690-03	E-116-4.0-4.5	3 S0 20FEB20 13:18
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		
L2007690-04	E-113-0.5-1.0	3 S0 20FEB20 13:34
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		
L2007690-05	E-113-2.0-2.5	3 S0 20FEB20 13:37
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007690-01A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Geoffry Grace
L2007690-01A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Henry Otoo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Henry Otoo
L2007690-01A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	W19-S3-A CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2007690-01A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Brittney Kelley
L2007690-01A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007690-01A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A CUSTODY	Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007690-01A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Phillip Renaud
L2007690-01A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007690-02A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	W19-S3-A CUSTODY	Sam Bardsley	W19-S3-D CUSTODY	W19-S3-D CUSTODY	Sam Bardsley
L2007690-02A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Geoffry Grace
L2007690-02A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Henry Otoo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Henry Otoo
L2007690-02A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	W19-S3-A CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2007690-02A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Brittney Kelley
L2007690-02A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007690-02A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A CUSTODY	Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007690-02A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Phillip Renaud
L2007690-02A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007690-03A	Glass-A.06	INTACT	02-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W3-S3-C CUSTODY	W3-S3-C CUSTODY	Brittney Kelley
L2007690-03A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Bryan Garcia	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Bryan Garcia
L2007690-03A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Bryan Garcia	ORGPREP	ORGPREP	Bryan Garcia
L2007690-03A	Glass-A.06	INTACT	29-FEB-20	CUSTODY	ORGPREP	Frimpong Agyen	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Frimpong Agyen
L2007690-03A	Glass-A.06	INTACT	29-FEB-20	CUSTODY	W3-S3-B CUSTODY	Emmanuel Toro	ORGPREP	ORGPREP	Emmanuel Toro
L2007690-03A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2007690-03A	Glass-A.06	INTACT	28-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007690-03A	Glass-A.06	INTACT	28-FEB-20		W19-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007690-03A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	W19-S3-A	CUSTODY Sam Bardsley	W19-S3-D CUSTODY	W19-S3-D CUSTODY	Sam Bardsley
L2007690-03A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Phillip Renaud
L2007690-03A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007690-04A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	W19-S3-A	CUSTODY Sam Bardsley	W19-S3-D CUSTODY	W19-S3-D CUSTODY	Sam Bardsley
L2007690-04A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Geoffry Grace
L2007690-04A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Henry Otoo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Henry Otoo
L2007690-04A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	W19-S3-A	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2007690-04A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Brittney Kelley
L2007690-04A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007690-04A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A	CUSTODY Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007690-04A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Phillip Renaud
L2007690-04A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2007690-05A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	W19-S3-A	CUSTODY Sam Bardsley	W19-S3-D CUSTODY	W19-S3-D CUSTODY	Sam Bardsley
L2007690-05A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Geoffry Grace
L2007690-05A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Henry Otoo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Henry Otoo
L2007690-05A	Glass-A.06	INTACT	24-FEB-20	CUSTODY	W19-S3-A	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2007690-05A	Glass-A.06	INTACT	21-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Brittney Kelley
L2007690-05A	Glass-A.06	INTACT	21-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007690-05A	Glass-A.06	INTACT	21-FEB-20		W19-S3-A	CUSTODY Chris Tebeau	LOGIN	LOGIN	Chris Tebeau
L2007690-05A	Glass-A.06	INTACT	21-FEB-20		CUSTODY	Phillip Renaud	W19-S3-A CUSTODY	W19-S3-A CUSTODY	Phillip Renaud
L2007690-05A	Glass-A.06	INTACT	21-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford

Methodology Review

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2007690
Report Date: 03/05/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0007.03

Lab Number: L2007690

Report Date: 03/05/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2007690-01A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007690-02A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007690-03A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007690-04A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)
L2007690-05A	Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		NJ-8082(14),TS(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



**NJ DEP Data of Known Quality Protocols
 Conformance/Non-Conformance
 Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^\circ \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2007690
Report Date: 03/05/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2007690
Report Date: 03/05/20

Case Narrative (continued)

Report Submission

March 05, 2020: This final report includes the results of the PCBs analysis performed on L2007690-03.

February 27, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

L2007690-01: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

The WG1343647-4 MS recovery, performed on L2007690-01, is below the acceptance criteria for aroclor 1260 (0%) due to the concentration of this compound falling below the reported detection limit.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Report Date: 03/05/20

Title: Technical Director/Representative



Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2007690
Report Date: 03/05/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2007690
Report Date: 03/05/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Organics



**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007690-01D	Date Collected : 02/20/20 13:03
Client ID : E-116-0.5-1.0	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 14:44
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 13200225a-04	Analyst : CW
Sample Amount : 15.12 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 65
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.254	0.0226	U
11104-28-2	Aroclor 1221	ND	0.254	0.0255	U
11141-16-5	Aroclor 1232	ND	0.254	0.0539	U
53469-21-9	Aroclor 1242	ND	0.254	0.0343	U
12672-29-6	Aroclor 1248	ND	0.254	0.0382	U
11097-69-1	Aroclor 1254	ND	0.254	0.0278	U
37324-23-5	Aroclor 1262	ND	0.254	0.0323	U
11100-14-4	Aroclor 1268	ND	0.254	0.0264	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007690-01D Client ID : E-116-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200225a-04 Sample Amount : 15.12 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007690 Project Number : 277710568.0007.03 Date Collected : 02/20/20 13:03 Date Received : 02/20/20 Date Analyzed : 02/25/20 14:44 Date Extracted : 02/24/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST13 GC Column : CLP-PesticideII %Solids : 65 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	1.97	0.254	0.0470	
1336-36-3	PCBs, Total	1.97	0.254	0.0226	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007690-02	Date Collected : 02/20/20 13:10
Client ID : E-116-2.0-2.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 22:23
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200224a-50	Analyst : CW
Sample Amount : 15.06 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 74
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0452	0.00401	U
11104-28-2	Aroclor 1221	ND	0.0452	0.00453	U
11141-16-5	Aroclor 1232	ND	0.0452	0.00958	U
53469-21-9	Aroclor 1242	ND	0.0452	0.00609	U
12672-29-6	Aroclor 1248	ND	0.0452	0.00678	U
11097-69-1	Aroclor 1254	ND	0.0452	0.00494	U
11096-82-5	Aroclor 1260	0.103	0.0452	0.00835	
37324-23-5	Aroclor 1262	ND	0.0452	0.00574	U
11100-14-4	Aroclor 1268	ND	0.0452	0.00468	U
1336-36-3	PCBs, Total	0.103	0.0452	0.00401	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007690-03	Date Collected : 02/20/20 13:18
Client ID : E-116-4.0-4.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/02/20 11:38
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200302a-07	Analyst : HT
Sample Amount : 15.71 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 71
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0448	0.00398	U
11104-28-2	Aroclor 1221	ND	0.0448	0.00448	U
11141-16-5	Aroclor 1232	ND	0.0448	0.00949	U
53469-21-9	Aroclor 1242	ND	0.0448	0.00603	U
12672-29-6	Aroclor 1248	ND	0.0448	0.00671	U
11097-69-1	Aroclor 1254	ND	0.0448	0.00490	U
11096-82-5	Aroclor 1260	0.0126	0.0448	0.00827	J
37324-23-5	Aroclor 1262	ND	0.0448	0.00568	U
11100-14-4	Aroclor 1268	ND	0.0448	0.00464	U
1336-36-3	PCBs, Total	0.0126	0.0448	0.00398	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007690-04 Client ID : E-113-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 23200224a-51 Sample Amount : 15.5 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007690 Project Number : 277710568.0007.03 Date Collected : 02/20/20 13:34 Date Received : 02/20/20 Date Analyzed : 02/24/20 22:30 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST23 GC Column : CLP-Pesticide %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0398	0.00354	U
11104-28-2	Aroclor 1221	ND	0.0398	0.00399	U
11141-16-5	Aroclor 1232	ND	0.0398	0.00844	U
53469-21-9	Aroclor 1242	ND	0.0398	0.00537	U
12672-29-6	Aroclor 1248	ND	0.0398	0.00597	U
11097-69-1	Aroclor 1254	ND	0.0398	0.00436	U
11096-82-5	Aroclor 1260	0.185	0.0398	0.00736	
37324-23-5	Aroclor 1262	ND	0.0398	0.00506	U
11100-14-4	Aroclor 1268	ND	0.0398	0.00412	U
1336-36-3	PCBs, Total	0.185	0.0398	0.00354	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007690-05	Date Collected : 02/20/20 13:37
Client ID : E-113-2.0-2.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 22:37
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200224a-52	Analyst : CW
Sample Amount : 15.95 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 80
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0391	0.00347	U
11104-28-2	Aroclor 1221	ND	0.0391	0.00392	U
11141-16-5	Aroclor 1232	ND	0.0391	0.00829	U
53469-21-9	Aroclor 1242	ND	0.0391	0.00527	U
12672-29-6	Aroclor 1248	ND	0.0391	0.00586	U
11097-69-1	Aroclor 1254	ND	0.0391	0.00428	U
11096-82-5	Aroclor 1260	0.0482	0.0391	0.00722	
37324-23-5	Aroclor 1262	ND	0.0391	0.00496	U
11100-14-4	Aroclor 1268	ND	0.0391	0.00405	U
1336-36-3	PCBs, Total	0.0482	0.0391	0.00347	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1343647-1	Date Collected : NA
Client ID : WG1343647-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/24/20 23:45
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200224a-62	Analyst : AWS
Sample Amount : 15.32 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0326	0.00290	U
11104-28-2	Aroclor 1221	ND	0.0326	0.00327	U
11141-16-5	Aroclor 1232	ND	0.0326	0.00692	U
53469-21-9	Aroclor 1242	ND	0.0326	0.00440	U
12672-29-6	Aroclor 1248	ND	0.0326	0.00490	U
11097-69-1	Aroclor 1254	ND	0.0326	0.00357	U
11096-82-5	Aroclor 1260	ND	0.0326	0.00603	U
37324-23-5	Aroclor 1262	ND	0.0326	0.00414	U
11100-14-4	Aroclor 1268	ND	0.0326	0.00338	U
1336-36-3	PCBs, Total	ND	0.0326	0.00290	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1343647-5D	Date Collected : 02/20/20 13:03
Client ID : E-116-0.5-1.0DUP	Date Received : 02/20/20
Sample Location :	Date Analyzed : 02/25/20 15:08
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 13200225a-06	Analyst : CW
Sample Amount : 15.59 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 65
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.247	0.022	U
11104-28-2	Aroclor 1221	ND	0.247	0.025	U
11141-16-5	Aroclor 1232	ND	0.247	0.052	U
53469-21-9	Aroclor 1242	ND	0.247	0.033	U
12672-29-6	Aroclor 1248	ND	0.247	0.037	U
11097-69-1	Aroclor 1254	ND	0.247	0.027	U
37324-23-5	Aroclor 1262	ND	0.247	0.031	U
11100-14-4	Aroclor 1268	ND	0.247	0.026	U



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

<p>Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : WG1343647-5D Client ID : E-116-0.5-1.0DUP Sample Location : Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200225a-06 Sample Amount : 15.59 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y</p>	<p>Lab Number : L2007690 Project Number : 277710568.0007.03 Date Collected : 02/20/20 13:03 Date Received : 02/20/20 Date Analyzed : 02/25/20 15:08 Date Extracted : 02/24/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST13 GC Column : CLP-PesticideII %Solids : 65 Injection Volume : 1 uL</p>
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	1.87	0.247	0.046	
1336-36-3	PCBs, Total	1.87	0.247	0.022	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1345844-1	Date Collected : NA
Client ID : WG1345844-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 03/01/20 22:10
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200301a-27	Analyst : CW
Sample Amount : 15.65 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0319	0.00284	U
11104-28-2	Aroclor 1221	ND	0.0319	0.00320	U
11141-16-5	Aroclor 1232	ND	0.0319	0.00677	U
53469-21-9	Aroclor 1242	ND	0.0319	0.00431	U
12672-29-6	Aroclor 1248	ND	0.0319	0.00479	U
11097-69-1	Aroclor 1254	ND	0.0319	0.00350	U
11096-82-5	Aroclor 1260	ND	0.0319	0.00590	U
37324-23-5	Aroclor 1262	ND	0.0319	0.00406	U
11100-14-4	Aroclor 1268	ND	0.0319	0.00331	U
1336-36-3	PCBs, Total	ND	0.0319	0.00284	U



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : WG1343647-1	Lab File ID : 23200224a-62
Matrix : SOIL	Extraction Date : 02/24/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/24/20 23:45	Analysis Date (2) : 02/24/20 23:45
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
E-116-2.0-2.5	L2007690-02	02/24/20 22:23	02/24/20 22:23
E-113-0.5-1.0	L2007690-04	02/24/20 22:30	02/24/20 22:30
E-113-2.0-2.5	L2007690-05	02/24/20 22:37	02/24/20 22:37
WG1343647-2LCS	WG1343647-2	02/24/20 23:51	02/24/20 23:51
WG1343647-3LCSD	WG1343647-3	02/24/20 23:58	02/24/20 23:58
E-116-0.5-1.0	L2007690-01D	02/25/20 14:44	02/25/20 14:44
E-116-0.5-1.0MS	WG1343647-4D	02/25/20 14:56	02/25/20 14:56
E-116-0.5-1.0DUP	WG1343647-5D	02/25/20 15:08	02/25/20 15:08



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : WG1345844-1	Lab File ID : P7200301a-27
Matrix : SOIL	Extraction Date : 03/01/20
Sulfur Cleanup : Y	
Analysis Date (1) : 03/01/20 22:10	Analysis Date (2) : 03/01/20 22:10
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1345844-2LCS	WG1345844-2	03/01/20 22:22	03/01/20 22:22
WG1345844-3LCSD	WG1345844-3	03/01/20 22:34	03/01/20 22:34
E-116-4.0-4.5	L2007690-03	03/02/20 11:38	03/02/20 11:38



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.473	1.290	1.250	1.210	1.137	1.021	1.230	12.37
3) s Decachlorobiphenyl	1.026	0.864	0.827	0.777	0.743	0.662	0.817	15.21
4) 11 1016-1	0.029	0.025	0.023	0.021	0.019	0.017	0.022	18.43
5) 11 1016-2	0.063	0.053	0.049	0.045	0.041	0.036	0.048	19.80
6) 11 1016-3	0.124	0.108	0.104	0.099	0.093	0.083	0.102	13.64
7) 11 1016-4	0.053	0.048	0.043	0.040	0.038	0.034	0.043	15.82
8) 11 1016-5	0.056	0.049	0.046	0.043	0.041	0.037	0.045	14.66
9) 12 1260-1	0.075	0.064	0.060	0.057	0.054	0.049	0.060	14.99
10) 12 1260-2	0.111	0.096	0.091	0.086	0.082	0.073	0.090	14.56
11) 12 1260-3	0.062	0.059	0.056	0.053	0.052	0.047	0.055	9.75
12) 12 1260-4	0.146	0.130	0.125	0.120	0.114	0.098	0.122	13.22
13) 12 1260-5	0.100	0.088	0.085	0.080	0.079	0.072	0.084	11.45
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.014	0.013	0.012	0.011	0.010	0.012	14.08
16) 13 1221-3	0.010	0.009	0.008	0.007	0.007	0.006	0.008	16.46
17) 13 1221-4	0.037	0.031	0.029	0.026	0.024	0.022	0.028	19.89
18) 14 1254-1	0.055	0.046	0.044	0.041	0.039	0.036	0.043	15.13
19) 14 1254-2	0.097	0.081	0.077	0.072	0.068	0.063	0.076	15.79
20) 14 1254-3	0.090	0.077	0.074	0.070	0.066	0.061	0.073	13.58
21) 14 1254-4	0.068	0.062	0.058	0.056	0.053	0.049	0.058	11.79
22) 14 1254-5	0.094	0.080	0.077	0.074	0.070	0.066	0.077	12.65
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.018	0.016	0.015	0.014	0.012	0.016	16.30
25) 16 1242-2	0.043	0.037	0.035	0.031	0.029	0.027	0.034	17.65
26) 16 1242-3	0.085	0.077	0.074	0.069	0.068	0.062	0.073	11.36
27) 16 1242-4	0.039	0.037	0.034	0.032	0.030	0.028	0.034	11.86
28) 16 1242-5	0.028	0.026	0.025	0.024	0.023	0.021	0.024	9.69
29) 19 1268-1	0.164	0.145	0.141	0.131	0.121	0.105	0.135	15.17
30) 19 1268-2	0.162	0.148	0.141	0.132	0.123	0.110	0.136	13.59
31) 19 1268-3	0.108	0.098	0.094	0.088	0.083	0.076	0.091	12.44
32) 19 1268-4	0.053	0.048	0.047	0.044	0.043	0.040	0.046	9.66
33) 19 1268-5	0.292	0.267	0.255	0.234	0.212	0.179	0.240	16.83
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.027	0.027	0.025	0.024	0.022	0.026	12.33
36) 17 1248-2	0.044	0.036	0.036	0.033	0.032	0.027	0.035	16.84



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.064	0.061	0.054	0.051	0.049	0.044	0.054	13.95
38) 17 1248-4	0.057	0.051	0.048	0.045	0.044	0.040	0.047	12.58
39) 17 1248-5	0.047	0.043	0.041	0.039	0.038	0.035	0.040	11.04
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.025	0.023	0.020	0.019	0.017	0.022	20.00
42) 15 1232-2	0.028	0.024	0.022	0.019	0.019	0.017	0.021	19.01
43) 15 1232-3	0.053	0.048	0.045	0.042	0.041	0.038	0.044	12.42
44) 15 1232-4	0.022	0.021	0.020	0.017	0.018	0.017	0.019	11.95
45) 15 1232-5	0.017	0.015	0.014	0.013	0.013	0.012	0.014	14.33
46) 18 1262-1	0.074	0.063	0.058	0.053	0.052	0.048	0.058	16.15
47) 18 1262-2	0.086	0.075	0.070	0.066	0.063	0.057	0.070	14.64
48) 18 1262-3	0.074	0.066	0.062	0.059	0.056	0.052	0.062	12.83
49) 18 1262-4	0.147	0.133	0.125	0.117	0.111	0.099	0.122	13.81
50) 18 1262-5	0.046	0.043	0.040	0.038	0.036	0.034	0.040	10.81



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007690
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.381	1.232	1.206	1.198	1.168	1.071	1.209	8.34
3) s Decachlorobip	0.882	0.739	0.722	0.700	0.682	0.636	0.727	11.55
4) 11 1016-1	0.027	0.024	0.022	0.020	0.019	0.018	0.022	15.75
5) 11 1016-2	0.059	0.051	0.047	0.044	0.042	0.039	0.047	15.56
6) 11 1016-3	0.113	0.099	0.094	0.091	0.091	0.084	0.095	10.57
7) 11 1016-4	0.044	0.038	0.036	0.034	0.033	0.031	0.036	12.33
8) 11 1016-5	0.036	0.031	0.029	0.028	0.027	0.025	0.029	13.42
9) 12 1260-1	0.069	0.058	0.053	0.051	0.050	0.047	0.054	14.48
10) 12 1260-2	0.078	0.066	0.061	0.059	0.058	0.054	0.063	13.09
11) 12 1260-3	0.061	0.053	0.050	0.049	0.048	0.045	0.051	10.80
12) 12 1260-4	0.122	0.108	0.104	0.103	0.101	0.093	0.105	9.18
13) 12 1260-5	0.088	0.075	0.072	0.070	0.070	0.066	0.074	10.50
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.016	0.013	0.012	0.011	0.010	0.010	0.012	16.89
16) 13 1221-3	0.009	0.008	0.008	0.007	0.007	0.006	0.008	14.40
17) 13 1221-4	0.035	0.030	0.028	0.026	0.024	0.022	0.027	15.95
18) 14 1254-1	0.053	0.044	0.041	0.039	0.038	0.036	0.042	13.97
19) 14 1254-2	0.063	0.050	0.047	0.045	0.043	0.041	0.048	16.16
20) 14 1254-3	0.090	0.077	0.072	0.070	0.067	0.064	0.073	12.70
21) 14 1254-4	0.060	0.050	0.048	0.046	0.045	0.043	0.049	12.53
22) 14 1254-5	0.081	0.069	0.065	0.063	0.061	0.059	0.066	11.77
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.017	0.016	0.014	0.013	0.012	0.015	16.00
25) 16 1242-2	0.042	0.037	0.034	0.031	0.030	0.028	0.034	15.54
26) 16 1242-3	0.078	0.070	0.068	0.066	0.063	0.060	0.067	9.13
27) 16 1242-4	0.025	0.023	0.022	0.020	0.020	0.019	0.021	11.23
28) 16 1242-5	0.025	0.023	0.021	0.020	0.019	0.018	0.021	10.92
29) 19 1268-1	0.142	0.125	0.121	0.117	0.113	0.103	0.120	10.81
30) 19 1268-2	0.142	0.126	0.121	0.118	0.115	0.106	0.121	9.84
31) 19 1268-3	0.096	0.083	0.080	0.078	0.076	0.072	0.081	10.46
32) 19 1268-4	0.048	0.044	0.041	0.039	0.038	0.037	0.041	10.31
33) 19 1268-5	0.248	0.239	0.228	0.219	0.206	0.181	0.220	11.03
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.026	0.024	0.023	0.023	0.021	0.024	10.31
36) 17 1248-2	0.036	0.032	0.029	0.027	0.026	0.025	0.029	14.43



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.044	0.039	0.036	0.034	0.033	0.031	0.036	12.89
38) 17 1248-4	0.048	0.042	0.040	0.038	0.037	0.035	0.040	11.61
39) 17 1248-5	0.053	0.047	0.044	0.042	0.041	0.039	0.045	11.42
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.027	0.024	0.022	0.019	0.019	0.017	0.021	17.41
42) 15 1232-2	0.027	0.025	0.022	0.020	0.019	0.017	0.022	17.37
43) 15 1232-3	0.049	0.045	0.041	0.038	0.038	0.036	0.041	11.60
44) 15 1232-4	0.015	0.014	0.012	0.011	0.011	0.010	0.012	14.64
45) 15 1232-5	0.014	0.013	0.012	0.011	0.011	0.010	0.012	14.30
46) 18 1262-1	0.057	0.046	0.042	0.040	0.039	0.037	0.044	16.49
47) 18 1262-2	0.074	0.062	0.057	0.053	0.055	0.050	0.059	14.39
48) 18 1262-3	0.066	0.057	0.053	0.052	0.051	0.048	0.055	11.60
49) 18 1262-4	0.123	0.107	0.101	0.098	0.097	0.089	0.102	11.26
50) 18 1262-5	0.044	0.038	0.036	0.034	0.034	0.033	0.036	11.21



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.035	1.042	1.067	1.034	0.969	1.089	1.039	3.89
3) s Decachlorobiphenyl	0.939	0.851	0.852	0.848	0.769	0.850	0.851	6.34
4) 11 1016-1	0.024	0.020	0.021	0.018	0.016	0.017	0.019	14.55
5) 11 1016-2	0.050	0.047	0.045	0.041	0.036	0.039	0.043	12.39
6) 11 1016-3	0.086	0.082	0.082	0.078	0.072	0.079	0.080	5.87
7) 11 1016-4	0.038	0.036	0.036	0.033	0.030	0.032	0.034	8.88
8) 11 1016-5	0.038	0.039	0.039	0.036	0.032	0.035	0.036	7.19
9) 12 1260-1	0.062	0.056	0.056	0.052	0.047	0.051	0.054	9.15
10) 12 1260-2	0.089	0.082	0.082	0.079	0.071	0.077	0.080	7.62
11) 12 1260-3	0.054	0.052	0.052	0.048	0.046	0.050	0.050	6.05
12) 12 1260-4	0.110	0.105	0.107	0.107	0.100	0.111	0.107	3.85
13) 12 1260-5	0.079	0.076	0.078	0.076	0.070	0.078	0.076	4.20
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.011	0.011	0.011	0.011	0.010	0.010	0.011	6.66
16) 13 1221-2	0.006	0.007	0.007	0.007	0.006	0.006	0.006	8.85
17) 13 1221-3	0.032	0.028	0.026	0.027	0.023	0.023	0.026	13.08
18) 14 1254-1	0.050	0.043	0.039	0.040	0.036	0.035	0.041	13.23
19) 14 1254-2	0.085	0.073	0.067	0.070	0.063	0.062	0.070	12.27
20) 14 1254-3	0.086	0.075	0.071	0.076	0.070	0.069	0.075	8.28
21) 14 1254-4	0.062	0.055	0.052	0.054	0.049	0.048	0.053	9.62
22) 14 1254-5	0.080	0.072	0.069	0.073	0.068	0.067	0.071	6.64
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.017	0.017	0.016	0.014	0.013	0.013	0.015	12.12
25) 16 1242-2	0.044	0.041	0.037	0.032	0.031	0.029	0.036	16.90
26) 16 1242-3	0.074	0.067	0.065	0.060	0.059	0.058	0.064	9.62
27) 16 1242-4	0.027	0.024	0.024	0.021	0.021	0.020	0.023	11.96
28) 16 1242-5	0.025	0.023	0.023	0.020	0.020	0.019	0.022	10.85
29) 19 1268-1	0.166	0.147	0.150	0.141	0.145	0.142	0.148	6.27
30) 19 1268-2	0.180	0.156	0.158	0.148	0.151	0.148	0.157	7.63
31) 19 1268-3	0.110	0.100	0.101	0.094	0.097	0.096	0.100	5.71
32) 19 1268-4	0.044	0.046	0.049	0.046	0.047	0.046	0.046	3.26
33) 19 1268-5	0.333	0.281	0.297	0.283	0.294	0.286	0.296	6.49
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.054	0.055	0.051	0.049	0.047	0.048	0.051	6.37
36) 17 1248-2	0.043	0.042	0.039	0.036	0.034	0.034	0.038	10.22



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.065	0.060	0.058	0.053	0.051	0.051	0.056	9.53
38) 17 1248-4	0.052	0.049	0.048	0.044	0.044	0.045	0.047	6.35
39) 17 1248-5	0.043	0.041	0.040	0.038	0.038	0.038	0.040	5.65
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.026	0.022	0.020	0.018	0.018	0.017	0.020	16.89
42) 15 1232-2	0.024	0.021	0.022	0.019	0.017	0.017	0.020	13.78
43) 15 1232-3	0.039	0.038	0.037	0.035	0.033	0.035	0.036	6.49
44) 15 1232-4	0.017	0.018	0.017	0.015	0.015	0.015	0.016	9.16
45) 15 1232-5	0.012	0.012	0.012	0.011	0.010	0.010	0.011	8.20
46) 18 1262-1	0.058	0.055	0.053	0.049	0.047	0.049	0.052	7.75
47) 18 1262-2	0.073	0.070	0.067	0.063	0.061	0.064	0.066	6.94
48) 18 1262-3	0.056	0.061	0.059	0.056	0.055	0.058	0.058	4.16
49) 18 1262-4	0.119	0.125	0.123	0.119	0.120	0.126	0.122	2.45
50) 18 1262-5	0.037	0.037	0.038	0.036	0.035	0.037	0.037	2.44



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Signal #2 Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.022	1.030	1.076	1.057	0.976	1.079	1.040	3.75
3) s Decachlorobip	0.816	0.706	0.715	0.704	0.639	0.706	0.714	7.98
4) 11 1016-1	0.024	0.021	0.021	0.019	0.017	0.018	0.020	13.31
5) 11 1016-2	0.050	0.047	0.047	0.043	0.038	0.040	0.044	10.89
6) 11 1016-3	0.051	0.048	0.049	0.046	0.042	0.046	0.047	6.43
7) 11 1016-4	0.036	0.035	0.035	0.032	0.029	0.031	0.033	8.48
8) 11 1016-5	0.031	0.029	0.029	0.027	0.024	0.025	0.027	9.63
9) 12 1260-1	0.060	0.055	0.055	0.052	0.047	0.051	0.053	8.60
10) 12 1260-2	0.069	0.065	0.065	0.061	0.055	0.060	0.063	7.63
11) 12 1260-3	0.052	0.051	0.052	0.050	0.045	0.049	0.050	5.39
12) 12 1260-4	0.103	0.104	0.106	0.105	0.095	0.105	0.103	3.79
13) 12 1260-5	0.072	0.071	0.072	0.069	0.064	0.071	0.070	4.47
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.015	0.013	0.012	0.012	0.011	0.010	0.012	12.85
16) 13 1221-2	0.010	0.008	0.008	0.008	0.007	0.006	0.008	15.13
17) 13 1221-3	0.034	0.030	0.028	0.028	0.025	0.023	0.028	13.75
18) 14 1254-1	0.053	0.046	0.043	0.044	0.040	0.038	0.044	11.82
19) 14 1254-2	0.067	0.056	0.050	0.051	0.046	0.044	0.053	15.45
20) 14 1254-3	0.081	0.073	0.068	0.072	0.066	0.064	0.071	8.60
21) 14 1254-4	0.056	0.052	0.049	0.052	0.047	0.046	0.050	7.62
22) 14 1254-5	0.076	0.071	0.067	0.071	0.065	0.063	0.069	7.08
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.017	0.017	0.015	0.014	0.013	0.016	16.33
25) 16 1242-2	0.043	0.039	0.037	0.033	0.032	0.030	0.036	14.11
26) 16 1242-3	0.044	0.039	0.038	0.035	0.034	0.034	0.038	10.72
27) 16 1242-4	0.029	0.024	0.024	0.021	0.021	0.020	0.023	14.38
28) 16 1242-5	0.027	0.023	0.023	0.021	0.020	0.019	0.022	12.64
29) 19 1268-1	0.152	0.132	0.135	0.124	0.128	0.124	0.133	7.91
30) 19 1268-2	0.149	0.130	0.133	0.123	0.127	0.124	0.131	7.29
31) 19 1268-3	0.101	0.086	0.088	0.081	0.084	0.082	0.087	8.29
32) 19 1268-4	0.043	0.041	0.043	0.039	0.040	0.039	0.041	4.12
33) 19 1268-5	0.263	0.238	0.249	0.236	0.244	0.238	0.245	4.08
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.029	0.028	0.027	0.026	0.025	0.028	8.32
36) 17 1248-2	0.041	0.039	0.036	0.034	0.032	0.031	0.035	11.39



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Signal #2 Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.049	0.046	0.044	0.041	0.039	0.039	0.043	9.35
38) 17 1248-4	0.052	0.051	0.048	0.047	0.044	0.044	0.048	7.21
39) 17 1248-5	0.057	0.055	0.053	0.051	0.048	0.048	0.052	6.91
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.023	0.023	0.022	0.020	0.018	0.018	0.021	11.22
42) 15 1232-2	0.023	0.023	0.022	0.020	0.019	0.018	0.021	10.09
43) 15 1232-3	0.024	0.022	0.022	0.020	0.020	0.020	0.021	7.24
44) 15 1232-4	0.014	0.013	0.013	0.011	0.011	0.011	0.012	10.05
45) 15 1232-5	0.013	0.012	0.012	0.011	0.011	0.011	0.012	9.15
46) 18 1262-1	0.049	0.047	0.046	0.042	0.040	0.041	0.044	8.47
47) 18 1262-2	0.069	0.063	0.062	0.057	0.056	0.057	0.061	8.50
48) 18 1262-3	0.057	0.058	0.056	0.052	0.052	0.053	0.055	4.85
49) 18 1262-4	0.103	0.106	0.104	0.100	0.099	0.101	0.102	2.64
50) 18 1262-5	0.035	0.035	0.036	0.034	0.033	0.034	0.035	2.44



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007690
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Instrument ID	: PEST23	Ical Ref	: ICAL16474
Calibration dates	: 01/29/20 18:49 01/30/20 22:53		

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.840	1.624	1.528	1.377	1.453	1.347	1.528	11.98
3) s Decachlorobiphenyl	1.781	1.325	1.193	1.042	1.073	0.983	*L	0.9974
4) 11 1016-1	0.036	0.031	0.030	0.026	0.026	0.023	0.029	16.24
5) 11 1016-2	0.082	0.069	0.065	0.055	0.055	0.049	0.062	19.00
6) 11 1016-3	0.149	0.129	0.121	0.107	0.110	0.100	0.119	15.01
7) 11 1016-4	0.061	0.057	0.054	0.046	0.048	0.043	0.052	13.27
8) 11 1016-5	0.068	0.058	0.056	0.049	0.050	0.044	0.054	15.63
9) 12 1260-1	0.102	0.082	0.076	0.066	0.067	0.061	0.076	19.85
10) 12 1260-2	0.154	0.126	0.116	0.101	0.103	0.093	0.115	19.31
11) 12 1260-3	0.090	0.078	0.073	0.064	0.065	0.059	0.072	15.91
12) 12 1260-4	0.200	0.162	0.150	0.135	0.141	0.131	0.153	16.62
13) 12 1260-5	0.104	0.088	0.082	0.072	0.074	0.068	0.082	16.17
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.023	0.018	0.017	0.015		0.019	15.21
16) 13 1221-2	0.010	0.014	0.011	0.010	0.010		0.011	17.65
17) 13 1221-3	0.047	0.053	0.043	0.037	0.034		0.043	18.02
18) 14 1254-1	0.074	0.078	0.060	0.051	0.048	0.041	*Q	0.9949
19) 14 1254-2	0.137	0.134	0.103	0.088	0.083	0.071	*Q	0.9953
20) 14 1254-3	0.121	0.125	0.097	0.085	0.081	0.070	*Q	0.9960
21) 14 1254-4	0.096	0.101	0.079	0.069	0.065	0.056	*Q	0.9960
22) 14 1254-5	0.140	0.139	0.109	0.095	0.090	0.078	*Q	0.9963
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.030	0.025	0.025	0.023	0.020	0.018	0.024	17.63
25) 16 1242-2	0.133	0.107	0.105	0.094	0.084	0.079	0.100	19.34
26) 16 1242-3	0.042	0.046	0.046	0.043	0.037	0.035	0.042	11.40
27) 16 1242-4	0.063	0.050	0.050	0.046	0.040	0.037	0.048	19.65
28) 16 1242-5	0.042	0.035	0.035	0.032	0.028	0.026	0.033	17.07
29) 19 1268-1	0.321	0.224	0.215	0.197	0.180	0.172	*L	0.9970
30) 19 1268-2	0.313	0.225	0.216	0.198	0.180	0.172	*L	0.9969
31) 19 1268-3	0.215	0.156	0.149	0.136	0.123	0.117	*L	0.9964
32) 19 1268-4	0.108	0.082	0.079	0.071	0.064	0.060	*L	0.9950
33) 19 1268-5	0.618	0.415	0.402	0.377	0.347	0.333	*L	0.9980
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.041	0.039	0.036	0.029	0.033	0.027	0.034	16.16
36) 17 1248-2	0.057	0.056	0.049	0.041	0.044	0.038	0.048	16.77



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.082	0.072	0.062	0.066	0.058	0.071	16.56
38) 17 1248-4	0.068	0.069	0.060	0.051	0.055	0.049	0.059	14.86
39) 17 1248-5	0.061	0.066	0.057	0.047	0.051	0.045	0.055	14.70
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.040	0.036	0.036	0.030	0.027	0.025	0.032	18.07
42) 15 1232-2	0.041	0.035	0.035	0.030	0.027	0.024	0.032	19.55
43) 15 1232-3	0.077	0.067	0.066	0.056	0.052	0.048	0.061	17.45
44) 15 1232-4	0.034	0.029	0.029	0.026	0.023	0.021	0.027	16.56
45) 15 1232-5	0.024	0.020	0.020	0.018	0.016	0.015	0.019	17.06
46) 18 1262-1	0.112	0.096	0.090	0.076	0.070		*L	0.9920
47) 18 1262-2	0.173	0.126	0.113	0.093	0.087		*L	0.9923
48) 18 1262-3	0.127	0.104	0.098	0.082	0.077		*L	0.9932
49) 18 1262-4	0.241	0.191	0.180	0.156	0.150		*L	0.9966
50) 18 1262-5	0.086	0.073	0.069	0.059	0.055		*L	0.9931



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.593	1.421	1.332	1.261	1.378	1.307	1.382	8.51
3) s Decachlorobip	1.681	1.312	1.188	1.080	1.145	1.076	1.247	18.42
4) 11 1016-1	0.031	0.028	0.027	0.024	0.025	0.022	0.026	11.60
5) 11 1016-2	0.072	0.064	0.059	0.053	0.055	0.050	0.059	13.55
6) 11 1016-3	0.138	0.118	0.114	0.104	0.111	0.103	0.115	11.12
7) 11 1016-4	0.055	0.047	0.045	0.041	0.043	0.039	0.045	12.58
8) 11 1016-5	0.045	0.038	0.038	0.035	0.036	0.033	0.038	11.16
9) 12 1260-1	0.099	0.079	0.076	0.068	0.071	0.066	0.077	15.38
10) 12 1260-2	0.117	0.095	0.088	0.080	0.084	0.079	0.091	15.45
11) 12 1260-3	0.096	0.080	0.076	0.069	0.073	0.068	0.077	13.68
12) 12 1260-4	0.193	0.162	0.153	0.142	0.154	0.147	0.158	11.41
13) 12 1260-5	0.137	0.116	0.111	0.101	0.107	0.101	0.112	12.25
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.021	0.016	0.015	0.014		0.017	16.92
16) 13 1221-2	0.013	0.013	0.011	0.010	0.009		0.011	15.13
17) 13 1221-3	0.047	0.048	0.039	0.035	0.033		0.040	17.44
18) 14 1254-1	0.074	0.079	0.063	0.056	0.054	0.050	*L	0.9924
19) 14 1254-2	0.092	0.094	0.072	0.064	0.062	0.057	*L	0.9920
20) 14 1254-3	0.114	0.120	0.096	0.085	0.084	0.079	*L	0.9945
21) 14 1254-4	0.087	0.092	0.072	0.065	0.064	0.060	*L	0.9940
22) 14 1254-5	0.124	0.132	0.105	0.094	0.092	0.086	*L	0.9940
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.027	0.022	0.023	0.021	0.019	0.017	0.022	16.41
25) 16 1242-2	0.063	0.051	0.051	0.048	0.042	0.039	0.049	17.68
26) 16 1242-3	0.123	0.095	0.096	0.090	0.082	0.079	0.094	16.48
27) 16 1242-4	0.042	0.033	0.033	0.033	0.028	0.026	0.033	16.88
28) 16 1242-5	0.039	0.032	0.033	0.031	0.028	0.026	0.031	13.91
29) 19 1268-1	0.301	0.217	0.218	0.205	0.193	0.190	*L	0.9992
30) 19 1268-2	0.287	0.215	0.217	0.203	0.190	0.187	*L	0.9989
31) 19 1268-3	0.200	0.149	0.147	0.138	0.129	0.127	*L	0.9989
32) 19 1268-4	0.110	0.077	0.077	0.073	0.066	0.064	*L	0.9978
33) 19 1268-5	0.589	0.413	0.413	0.403	0.382	0.382	*L	0.9997
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.032	0.029	0.031	0.028	0.033	13.55
36) 17 1248-2	0.050	0.048	0.043	0.037	0.040	0.035	0.042	13.89



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.061	0.059	0.053	0.045	0.049	0.044	0.052	13.69
38) 17 1248-4	0.065	0.064	0.058	0.050	0.056	0.050	0.057	11.36
39) 17 1248-5	0.072	0.072	0.064	0.056	0.061	0.056	0.063	11.30
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.039	0.033	0.032	0.028	0.026	0.024	0.030	18.61
42) 15 1232-2	0.039	0.034	0.034	0.029	0.027	0.025	0.031	17.27
43) 15 1232-3	0.071	0.059	0.060	0.053	0.050	0.047	0.057	15.18
44) 15 1232-4	0.023	0.020	0.019	0.017	0.016	0.015	0.018	15.25
45) 15 1232-5	0.021	0.019	0.018	0.017	0.016	0.015	0.017	13.01
46) 18 1262-1	0.090	0.077	0.074	0.064	0.060		0.073	16.26
47) 18 1262-2	0.127	0.106	0.102	0.088	0.085		0.102	16.62
48) 18 1262-3	0.121	0.101	0.097	0.085	0.081		0.097	16.30
49) 18 1262-4	0.219	0.185	0.178	0.159	0.156		0.179	14.09
50) 18 1262-5	0.079	0.068	0.068	0.058	0.056		0.066	14.02



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.210	1.098	1.123	1.137	1.136	1.150	1.142	3.30
3) s Decachlorobiphenyl	0.939	0.777	0.786	0.803	0.793	0.793	0.815	7.51
4) 11 1016-1	0.025	0.020	0.019	0.018	0.017	0.016	*L	0.9984
5) 11 1016-2	0.055	0.043	0.042	0.039	0.038	0.037	*L	0.9994
6) 11 1016-3	0.099	0.083	0.084	0.083	0.082	0.084	*L	0.9998
7) 11 1016-4	0.045	0.036	0.035	0.034	0.033	0.033	*L	0.9999
8) 11 1016-5	0.046	0.039	0.037	0.036	0.035	0.035	*L	0.9999
9) 12 1260-1	0.067	0.055	0.054	0.054	0.052	0.053	0.056	9.83
10) 12 1260-2	0.099	0.083	0.082	0.082	0.080	0.081	0.084	8.66
11) 12 1260-3	0.068	0.054	0.052	0.053	0.052	0.053	0.055	11.65
12) 12 1260-4	0.139	0.123	0.124	0.124	0.123	0.123	0.126	5.01
13) 12 1260-5	0.092	0.079	0.078	0.080	0.079	0.082	0.082	6.33
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.012	0.013	0.012	0.010	0.011		0.012	10.94
16) 13 1221-3	0.008	0.008	0.007	0.006	0.006		0.007	13.34
17) 13 1221-4	0.032	0.031	0.027	0.023	0.024		0.027	14.58
18) 14 1254-1	0.047	0.046	0.041	0.036	0.039	0.037	0.041	10.70
19) 14 1254-2	0.078	0.079	0.071	0.064	0.070	0.065	0.071	8.80
20) 14 1254-3	0.073	0.078	0.071	0.065	0.072	0.066	0.071	6.46
21) 14 1254-4	0.055	0.059	0.054	0.049	0.055	0.052	0.054	5.79
22) 14 1254-5	0.078	0.083	0.076	0.070	0.077	0.073	0.076	6.06
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.013	0.015	13.66
25) 16 1242-2	0.041	0.034	0.034	0.031	0.030	0.029	0.033	13.50
26) 16 1242-3	0.075	0.065	0.067	0.064	0.066	0.064	0.067	6.37
27) 16 1242-4	0.037	0.031	0.031	0.030	0.029	0.029	0.031	9.48
28) 16 1242-5	0.024	0.021	0.021	0.021	0.021	0.021	0.022	5.80
29) 19 1268-1	0.158	0.145	0.150	0.146	0.150	0.142	0.148	3.90
30) 19 1268-2	0.159	0.148	0.152	0.153	0.156	0.151	0.153	2.60
31) 19 1268-3	0.103	0.094	0.097	0.098	0.101	0.099	0.099	3.09
32) 19 1268-4	0.047	0.044	0.045	0.045	0.047	0.047	0.046	3.30
33) 19 1268-5	0.283	0.267	0.276	0.273	0.278	0.262	0.273	2.77
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.025	0.022	0.021	0.020	0.022	0.021	0.022	8.34
36) 17 1248-2	0.040	0.033	0.031	0.029	0.031	0.029	0.032	12.15



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.045	0.037	0.036	0.035	0.038	0.035	0.038	10.38
38) 17 1248-4	0.045	0.040	0.040	0.039	0.043	0.039	0.041	6.08
39) 17 1248-5	0.045	0.041	0.038	0.037	0.039	0.036	0.039	8.39
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.026	0.022	0.021	0.020	0.019	0.017	0.021	14.84
42) 15 1232-2	0.026	0.021	0.021	0.019	0.019	0.017	0.021	14.45
43) 15 1232-3	0.047	0.041	0.040	0.040	0.040	0.038	0.041	7.27
44) 15 1232-4	0.020	0.018	0.018	0.017	0.017	0.016	0.018	9.68
45) 15 1232-5	0.013	0.012	0.012	0.011	0.012	0.011	0.012	4.71
46) 18 1262-1	0.066	0.057	0.056	0.056	0.057	0.054	0.058	7.25
47) 18 1262-2	0.084	0.073	0.072	0.072	0.072	0.068	0.074	7.48
48) 18 1262-3	0.074	0.065	0.064	0.065	0.065	0.062	0.066	6.18
49) 18 1262-4	0.140	0.132	0.135	0.138	0.139	0.130	0.136	2.95
50) 18 1262-5	0.041	0.038	0.038	0.039	0.040	0.039	0.039	2.48



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007690
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Instrument ID	: PEST13	Ical Ref	: ICAL16554
Calibration dates	: 02/21/20 00:15 02/21/20 06:08		

Signal #2 Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.284	1.149	1.155	1.142	1.141	1.135	1.168	4.92
3) s Decachlorobip	0.766	0.655	0.641	0.644	0.649	0.663	0.670	7.15
4) 11 1016-1	0.023	0.020	0.019	0.018	0.017	0.016	0.019	13.06
5) 11 1016-2	0.052	0.045	0.043	0.040	0.039	0.038	0.043	11.96
6) 11 1016-3	0.101	0.090	0.087	0.086	0.083	0.082	0.088	7.82
7) 11 1016-4	0.037	0.037	0.032	0.032	0.031	0.031	0.034	8.99
8) 11 1016-5	0.031	0.029	0.027	0.027	0.027	0.027	0.028	6.22
9) 12 1260-1	0.062	0.056	0.054	0.053	0.052	0.052	0.055	7.41
10) 12 1260-2	0.073	0.067	0.064	0.063	0.061	0.062	0.065	6.81
11) 12 1260-3	0.058	0.054	0.052	0.051	0.051	0.051	0.053	5.26
12) 12 1260-4	0.120	0.108	0.107	0.107	0.106	0.106	0.109	5.04
13) 12 1260-5	0.077	0.069	0.069	0.069	0.069	0.071	0.071	4.78
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.012	0.013	0.012	0.010	0.011		0.011	8.78
16) 13 1221-3	0.007	0.008	0.007	0.006	0.007		0.007	9.40
17) 13 1221-4	0.030	0.030	0.027	0.023	0.024		0.027	12.22
18) 14 1254-1	0.049	0.051	0.046	0.041	0.045	0.040	0.045	9.87
19) 14 1254-2	0.039	0.042	0.038	0.034	0.038	0.035	0.038	7.66
20) 14 1254-3	0.078	0.084	0.076	0.068	0.075	0.067	0.074	8.44
21) 14 1254-4	0.050	0.056	0.051	0.045	0.050	0.046	0.050	7.94
22) 14 1254-5	0.084	0.082	0.073	0.065	0.072	0.066	0.074	10.74
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.012	0.015	12.30
25) 16 1242-2	0.041	0.035	0.035	0.032	0.031	0.029	0.034	12.05
26) 16 1242-3	0.077	0.068	0.071	0.067	0.066	0.064	0.069	6.64
27) 16 1242-4	0.026	0.023	0.023	0.022	0.022	0.021	0.023	6.95
28) 16 1242-5	0.023	0.021	0.021	0.020	0.021	0.020	0.021	4.07
29) 19 1268-1	0.143	0.125	0.131	0.126	0.128	0.125	0.130	5.38
30) 19 1268-2	0.146	0.130	0.137	0.133	0.134	0.132	0.135	4.31
31) 19 1268-3	0.092	0.081	0.086	0.083	0.085	0.085	0.085	4.52
32) 19 1268-4	0.039	0.037	0.042	0.039	0.039	0.040	0.039	4.23
33) 19 1268-5	0.243	0.217	0.233	0.226	0.226	0.192	0.223	7.75
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.025	0.023	0.022	0.021	0.023	0.021	0.023	7.35
36) 17 1248-2	0.035	0.031	0.029	0.028	0.029	0.026	0.030	9.91



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Signal #2 Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.043	0.038	0.036	0.035	0.037	0.033	0.037	8.90
38) 17 1248-4	0.045	0.040	0.039	0.038	0.040	0.037	0.040	7.23
39) 17 1248-5	0.054	0.048	0.045	0.044	0.046	0.042	0.047	8.98
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.024	0.022	0.022	0.020	0.019	0.017	0.021	12.53
42) 15 1232-2	0.024	0.022	0.022	0.021	0.020	0.018	0.021	10.28
43) 15 1232-3	0.046	0.042	0.042	0.041	0.041	0.038	0.042	6.40
44) 15 1232-4	0.015	0.013	0.013	0.012	0.012	0.012	0.013	7.77
45) 15 1232-5	0.012	0.011	0.012	0.011	0.011	0.011	0.011	3.51
46) 18 1262-1	0.051	0.048	0.048	0.046	0.046	0.043	0.047	5.42
47) 18 1262-2	0.071	0.069	0.066	0.066	0.063	0.062	0.066	5.25
48) 18 1262-3	0.066	0.061	0.061	0.059	0.059	0.056	0.060	5.06
49) 18 1262-4	0.121	0.114	0.114	0.113	0.112	0.106	0.113	4.41
50) 18 1262-5	0.036	0.036	0.036	0.035	0.036	0.035	0.036	0.96



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST23	Calibration Date : 02/24/20 20:26
Lab File ID : 23200224a-44	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1343753-3	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	86	0
2,4,5,6-Tetrachloro-m-xylene	160	148.622	-	7.1	15	88	0
Decachlorobiphenyl	320	346.06	-	-8.1	15	93	0
1016-1	2500	2478.223	-	0.9	15	93	0
1016-2	2500	2337.62	-	6.5	15	91	0
1016-3	2500	2356.907	-	5.7	15	91	0
1016-4	2500	2363.074	-	5.5	15	91	0
1016-5	2500	2381.39	-	4.7	15	90	0
1260-1	2500	2337.991	-	6.5	15	92	0
1260-2	2500	2337.019	-	6.5	15	92	0
1260-3	2500	2394.024	-	4.2	15	92	0
1260-4	2500	2386.035	-	4.6	15	93	0
1260-5	2500	2373.62	-	5.1	15	92	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST23	Calibration Date : 02/24/20 20:26
Lab File ID : 23200224a-44	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1343753-3	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	104	0
2,4,5,6-Tetrachloro-m-xylene	160	155.81	-	2.6	15	111	0
Decachlorobiphenyl #2	320	263.703	-	17.6*	15	99	0
1016-1 #2	2500	2609.105	-	-4.4	15	117	0
1016-2 #2	2500	2459.003	-	1.6	15	112	0
1016-3 #2	2500	2459.173	-	1.6	15	112	0
1016-4 #2	2500	2506.749	-	-0.3	15	114	0
1016-5 #2	2500	2534.343	-	-1.4	15	113	0
1260-1 #2	2500	2357.221	-	5.7	15	110	0
1260-2 #2	2500	2329.45	-	6.8	15	109	0
1260-3 #2	2500	2366.862	-	5.3	15	110	0
1260-4 #2	2500	2338.567	-	6.5	15	108	0
1260-5 #2	2500	2332.403	-	6.7	15	107	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST13	Calibration Date : 02/25/20 12:57
Lab File ID : 13200225a-03	Init. Calib. Date(s) : 02/21/20 02/21/20
Sample No : WG1344217-1	Init. Calib. Times : 00:15 06:08
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	89	0
2,4,5,6-Tetrachloro-m-xylene	160	144.225	-	9.9	20	80	0
Decachlorobiphenyl	320	258.906	-	19.1	20	73	0
1016-1	2500	2438.518	-	2.5	20	83	0
1016-2	2500	2461.105	-	1.6	20	85	0
1016-3	2500	2402.024	-	3.9	20	86	0
1016-4	2500	2371.983	-	5.1	20	83	0
1016-5	2500	2336.313	-	6.5	20	82	0
1260-1	2500	2173.655	-	13.1	20	80	0
1260-2	2500	2209.534	-	11.6	20	81	0
1260-3	2500	2105.929	-	15.8	20	78	0
1260-4	2500	2220.722	-	11.2	20	80	0
1260-5	2500	2169.197	-	13.2	20	79	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST13	Calibration Date : 02/25/20 12:57
Lab File ID : 13200225a-03	Init. Calib. Date(s) : 02/21/20 02/21/20
Sample No : WG1344217-1	Init. Calib. Times : 00:15 06:08
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	86	0
2,4,5,6-Tetrachloro-m-xylene	160	144.585	-	9.6	20	79	0
Decachlorobiphenyl #2	320	255.629	-	20.1*	20	71	0
1016-1 #2	2500	2254.077	-	9.8	20	81	0
1016-2 #2	2500	2273.282	-	9.1	20	82	0
1016-3 #2	2500	2279.608	-	8.8	20	80	0
1016-4 #2	2500	2171.676	-	13.1	20	77	0
1016-5 #2	2500	2121.845	-	15.1	20	74	0
1260-1 #2	2500	2103.247	-	15.9	20	75	0
1260-2 #2	2500	2130.373	-	14.8	20	75	0
1260-3 #2	2500	2087.278	-	16.5	20	74	0
1260-4 #2	2500	2130.237	-	14.8	20	74	0
1260-5 #2	2500	2070.392	-	17.2	20	73	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Calibration Date : 03/01/20 16:36
Lab File ID : P7200301a-23	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1345889-2	Init. Calib. Times : 02:30 13:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	103	0
2,4,5,6-Tetrachloro-m-xylene	160	148.713	-	7.1	20	97	0
Decachlorobiphenyl	320	307.809	-	3.8	20	104	0
1016-1	2500	2224.65	-	11	20	98	0
1016-2	2500	2165.978	-	13.4	20	95	0
1016-3	2500	1983.014	-	20.7*	20	84	0
1016-4	2500	2039.258	-	18.4	20	89	0
1016-5	2500	2002.914	-	19.9	20	87	0
1260-1	2500	2336.771	-	6.5	20	101	0
1260-2	2500	2163.538	-	13.5	20	93	0
1260-3	2500	2291.868	-	8.3	20	97	0
1260-4	2500	2146.178	-	14.2	20	90	0
1260-5	2500	2276.437	-	8.9	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Calibration Date : 03/01/20 16:36
Lab File ID : P7200301a-23	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1345889-2	Init. Calib. Times : 02:30 13:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	99	0
2,4,5,6-Tetrachloro-m-xylene	160	146.211	-	8.6	20	91	-.01
Decachlorobiphenyl #2	320	327.889	-	-2.5	20	106	-.01
1016-1 #2	2500	2235.858	-	10.6	20	94	-.01
1016-2 #2	2500	2196.211	-	12.2	20	93	-.01
1016-3 #2	2500	2119.78	-	15.2	20	88	-.01
1016-4 #2	2500	2159.032	-	13.6	20	90	-.01
1016-5 #2	2500	2173.097	-	13.1	20	92	-.02
1260-1 #2	2500	2514.14	-	-0.6	20	106	-.02
1260-2 #2	2500	2579.685	-	-3.2	20	108	-.02
1260-3 #2	2500	2532.474	-	-1.3	20	106	-.01
1260-4 #2	2500	2443.368	-	2.3	20	99	-.01
1260-5 #2	2500	2152.346	-	13.9	20	89	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Calibration Date : 03/02/20 08:23
Lab File ID : 21200302a-02	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1346102-1	Init. Calib. Times : 18:54 00:38
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	100	0
2,4,5,6-Tetrachloro-m-xylene	160	153.116	-	4.3	15	96	0
Decachlorobiphenyl	320	253.451	-	20.8*	15	79	0
1016-1	2500	2368.77	-	5.2	15	100	0
1016-2	2500	2385.326	-	4.6	15	100	0
1016-3	2500	2460.666	-	1.6	15	100	0
1016-4	2500	2430.142	-	2.8	15	100	0
1016-5	2500	2458.375	-	1.7	15	100	0
1260-1	2500	2274.359	-	9	15	94	0
1260-2	2500	2303.471	-	7.9	15	93	0
1260-3	2500	2261.546	-	9.5	15	94	0
1260-4	2500	2291.14	-	8.4	15	92	0
1260-5	2500	2311.423	-	7.5	15	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Calibration Date : 03/02/20 08:23
Lab File ID : 21200302a-02	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1346102-1	Init. Calib. Times : 18:54 00:38
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	102	0
2,4,5,6-Tetrachloro-m-xylene	160	152.914	-	4.4	15	96	0
Decachlorobiphenyl #2	320	252.004	-	21.2*	15	82	.01
1016-1 #2	2500	2505.418	-	-0.2	15	107	0
1016-2 #2	2500	2340.381	-	6.4	15	99	0
1016-3 #2	2500	2377.011	-	4.9	15	99	0
1016-4 #2	2500	2345.347	-	6.2	15	98	0
1016-5 #2	2500	2341.655	-	6.3	15	99	0
1260-1 #2	2500	2272.814	-	9.1	15	95	0
1260-2 #2	2500	2234.393	-	10.6	15	93	0
1260-3 #2	2500	2206.424	-	11.7	15	91	0
1260-4 #2	2500	2141.269	-	14.3	15	86	0
1260-5 #2	2500	2189.73	-	12.4	15	90	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007690
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279800-1	01/29/20 18:49
1242/1268 L2	R1279800-2	01/29/20 18:56
1242/1268 L3	R1279800-4	01/29/20 19:02
1242/1268 L4	R1279800-3	01/29/20 19:09
1242/1268 L5	R1279800-6	01/29/20 19:16
1242/1268 L6	R1279800-5	01/29/20 19:23
1232/1262 L1	R1279800-7	01/29/20 19:30
1232/1262 L2	R1279800-8	01/29/20 19:37
1232/1262 L3	R1279800-9	01/29/20 19:43
1232/1262 L4	R1279800-10	01/29/20 19:50
1232/1262 L5	R1279800-12	01/29/20 19:57
1232 L6	R1279800-11	01/29/20 20:04
1248 L1	R1279800-14	01/29/20 20:10
1248 L2	R1279800-13	01/29/20 20:17
1248 L3	R1279800-16	01/29/20 20:24
1248 L4	R1279800-15	01/29/20 20:31
1248 L5	R1279800-18	01/29/20 20:37
1248 L6	R1279800-17	01/29/20 20:44
1221/1254 L1	R1279800-19	01/29/20 20:51
1221/1254 L2	R1279800-20	01/29/20 20:58
1221/1254 L4	R1279800-22	01/29/20 21:11
1221/1254 L5	R1279800-23	01/29/20 21:18
1254 L6	R1279800-21	01/29/20 21:25
1016/1260 L1	R1279800-24	01/29/20 21:32
1016/1260 L2	R1279800-25	01/29/20 21:38
1016/1260 L3	R1279800-27	01/29/20 21:45
1016/1260 L4	R1279800-26	01/29/20 21:52
1016/1260 L5	R1279800-28	01/29/20 21:58
1016/1260 L6	R1279800-29	01/29/20 22:05
R1279800-30 ICV	R1279800-30	01/29/20 22:12
R1279800-31 ICV	R1279800-31	01/29/20 22:19
R1279800-33 ICV	R1279800-33	01/29/20 22:25
R1279800-32 ICV	R1279800-32	01/29/20 22:39
1221/1254 L3	R1279800-35	01/30/20 22:53
R1279800-34 ICV	R1279800-34	01/30/20 23:00
WG1343753-3 CCAL	WG1343753-3	02/24/20 20:26
E-116-2.0-2.5	L2007690-02	02/24/20 22:23
E-113-0.5-1.0	L2007690-04	02/24/20 22:30
E-113-2.0-2.5	L2007690-05	02/24/20 22:37
WG1343647-1 BLANK	WG1343647-1	02/24/20 23:45
WG1343647-2 LCS	WG1343647-2	02/24/20 23:51
WG1343647-3 LCSD	WG1343647-3	02/24/20 23:58



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007690
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST7 **Initial Calib. Date(s)** : 07/28/19 07/28/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1214573-1	07/28/19 02:30
1242/1268 L2	R1214573-2	07/28/19 02:43
1242/1268 L3	R1214573-6	07/28/19 02:56
1242/1268 L4	R1214573-3	07/28/19 03:09
1242/1268 L5	R1214573-4	07/28/19 03:22
1242/1268 L6	R1214573-5	07/28/19 03:35
1232/1262 L1	R1214573-7	07/28/19 03:48
1232/1262 L2	R1214573-8	07/28/19 04:01
1232/1262 L3	R1214573-12	07/28/19 04:14
1232/1262 L4	R1214573-13	07/28/19 09:12
1232/1262 L5	R1214573-14	07/28/19 09:24
1232/1262 L6	R1214573-15	07/28/19 09:37
1248 L1	R1214573-9	07/28/19 09:50
1248 L2	R1214573-10	07/28/19 10:03
1248 L3	R1214573-11	07/28/19 10:16
1248 L4	R1214573-16	07/28/19 10:29
1248 L5	R1214573-17	07/28/19 10:42
1248 L6	R1214573-18	07/28/19 10:55
1221/1254 L1	R1214573-20	07/28/19 11:08
1221/1254 L2	R1214573-19	07/28/19 11:21
1221/1254 L3	R1214573-21	07/28/19 11:34
1221/1254 L4	R1214573-22	07/28/19 11:47
1221/1254 L5	R1214573-24	07/28/19 12:00
1221/1254 L6	R1214573-23	07/28/19 12:13
1016/1260 L1	R1214573-25	07/28/19 12:26
1016/1260 L2	R1214573-26	07/28/19 12:39
1016/1260 L3	R1214573-27	07/28/19 12:52
1016/1260 L4	R1214573-28	07/28/19 13:05
1016/1260 L5	R1214573-29	07/28/19 13:18
1016/1260 L6	R1214573-30	07/28/19 13:31
R1214573-31 ICV	R1214573-31	07/28/19 13:44
R1214573-32 ICV	R1214573-32	07/28/19 13:57
R1214573-33 ICV	R1214573-33	07/28/19 14:10
R1214573-34 ICV	R1214573-34	07/28/19 14:23
R1214573-35 ICV	R1214573-35	07/28/19 14:36
WG1345889-2 CCAL	WG1345889-2	03/01/20 16:36
WG1345844-1 BLANK	WG1345844-1	03/01/20 22:10
WG1345844-2 LCS	WG1345844-2	03/01/20 22:22
WG1345844-3 LCSD	WG1345844-3	03/01/20 22:34



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007690
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST21 **Initial Calib. Date(s)** : 11/25/19 11/26/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1261677-1	11/25/19 18:54
1242/1268 L2	R1261677-2	11/25/19 19:06
1242/1268 L3	R1261677-3	11/25/19 19:17
1242/1268 L4	R1261677-4	11/25/19 19:29
1242/1268 L5	R1261677-6	11/25/19 19:41
1242/1268 L6	R1261677-5	11/25/19 19:53
1232/1262 L1	R1261677-8	11/25/19 20:05
1232/1262 L2	R1261677-7	11/25/19 20:17
1232/1262 L3	R1261677-14	11/25/19 20:29
1232/1262 L4	R1261677-9	11/25/19 20:40
1232/1262 L5	R1261677-10	11/25/19 20:52
1232/1262 L6	R1261677-12	11/25/19 21:04
1248 L1	R1261677-11	11/25/19 21:16
1248 L2	R1261677-17	11/25/19 21:28
1248 L3	R1261677-19	11/25/19 21:40
1248 L4	R1261677-21	11/25/19 21:52
1248 L5	R1261677-20	11/25/19 22:03
1248 L6	R1261677-13	11/25/19 22:15
1221/1254 L1	R1261677-15	11/25/19 22:27
1221/1254 L2	R1261677-16	11/25/19 22:39
1221/1254 L3	R1261677-18	11/25/19 22:51
1221/1254 L4	R1261677-23	11/25/19 23:03
1221/1254 L5	R1261677-22	11/25/19 23:15
1221/1254 L6	R1261677-25	11/25/19 23:26
1016/1260 L1	R1261677-26	11/25/19 23:38
1016/1260 L2	R1261677-24	11/25/19 23:50
1016/1260 L3	R1261677-29	11/26/19 00:02
1016/1260 L4	R1261677-27	11/26/19 00:14
1016/1260 L5	R1261677-28	11/26/19 00:26
1016/1260 L6	R1261677-30	11/26/19 00:38
R1261677-31 ICV	R1261677-31	11/26/19 00:49
R1261677-32 ICV	R1261677-32	11/26/19 01:01
R1261677-34 ICV	R1261677-34	11/26/19 01:13
R1261677-33 ICV	R1261677-33	11/26/19 01:25
R1261677-35 ICV	R1261677-35	11/26/19 01:37
WG1346102-1 CCAL	WG1346102-1	03/02/20 08:23
E-116-4.0-4.5	L2007690-03	03/02/20 11:38



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007690
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST13 **Initial Calib. Date(s)** : 02/21/20 02/21/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1287789-2	02/21/20 00:15
1242/1268 L2	R1287789-1	02/21/20 00:27
1242/1268 L3	R1287789-3	02/21/20 00:40
1242/1268 L4	R1287789-5	02/21/20 00:52
1242/1268 L5	R1287789-4	02/21/20 01:04
1242/1268 L6	R1287789-6	02/21/20 01:16
1232/1262 L1	R1287789-8	02/21/20 01:28
1232/1262 L2	R1287789-7	02/21/20 01:40
1232/1262 L3	R1287789-9	02/21/20 01:53
1232/1262 L4	R1287789-10	02/21/20 02:05
1232/1262 L5	R1287789-13	02/21/20 02:17
1232/1262 L6	R1287789-11	02/21/20 02:29
1248 L1	R1287789-12	02/21/20 02:41
1248 L2	R1287789-16	02/21/20 02:54
1248 L3	R1287789-14	02/21/20 03:06
1248 L4	R1287789-15	02/21/20 03:18
1248 L5	R1287789-17	02/21/20 03:30
1248 L6	R1287789-18	02/21/20 03:42
1221/1254 L1	R1287789-19	02/21/20 03:54
1221/1254 L2	R1287789-21	02/21/20 04:07
1221/1254 L3	R1287789-20	02/21/20 04:19
1221/1254 L4	R1287789-23	02/21/20 04:31
1221/1254 L5	R1287789-22	02/21/20 04:43
1254 L6	R1287789-24	02/21/20 04:55
1016/1260 L1	R1287789-25	02/21/20 05:07
1016/1260 L2	R1287789-27	02/21/20 05:20
1016/1260 L3	R1287789-26	02/21/20 05:32
1016/1260 L4	R1287789-29	02/21/20 05:44
1016/1260 L5	R1287789-28	02/21/20 05:56
1016/1260 L6	R1287789-30	02/21/20 06:08
R1287789-31 ICV	R1287789-31	02/21/20 06:20
R1287789-32 ICV	R1287789-32	02/21/20 06:33
R1287789-33 ICV	R1287789-33	02/21/20 06:45
R1287789-34 ICV	R1287789-34	02/21/20 06:57
R1287789-35 ICV	R1287789-35	02/21/20 07:09
WG1344217-1 CCAL	WG1344217-1	02/25/20 12:57
E-116-0.5-1.0	L2007690-01 D	02/25/20 14:44
E-116-0.5-1.0 MS	WG1343647-4 D	02/25/20 14:56
E-116-0.5-1.0 DUP	WG1343647-5 D	02/25/20 15:08



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2007690
 Project Number: 277710568.0007.03
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-116-0.5-1.0 (L2007690-01D)	52	52	49	54			0
E-116-2.0-2.5 (L2007690-02)	48	52	56	45			0
E-116-4.0-4.5 (L2007690-03)	82	83	70	66			0
E-113-0.5-1.0 (L2007690-04)	49	52	56	49			0
E-113-2.0-2.5 (L2007690-05)	48	53	57	45			0
WG1343647-1BLANK	67	74	84	67			0
WG1343647-2LCS	63	68	77	59			0
WG1343647-3LCSD	62	67	77	59			0
E-116-0.5-1.0MS	43	40	43	43			0
E-116-0.5-1.0DUP	55	52	50	51			0
WG1345844-1BLANK	70	73	66	73			0
WG1345844-2LCS	76	77	73	79			0
WG1345844-3LCSD	79	80	77	82			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082



Batch QC Summary

**Lab Duplicate Sample Summary
Form 3
PCBs**

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007690
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Client Sample ID	: E-116-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2007690-01	Analysis Date	: 02/25/20 14:44
Lab File ID	: 13200225a-04	DUP File ID	: 13200225a-06
Dup Sample ID	: WG1343647-5	DUP Analysis Date	: 02/25/20 15:08

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1260	1.97	1.87	5	30
PCBs, Total	1.97	1.87	5	30



**Lab Duplicate Sample Summary
Form 3
PCBs**

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007690
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Client Sample ID	: E-116-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2007690-01	Analysis Date	: 02/25/20 14:44
Lab File ID	: 13200225a-04	DUP File ID	: 13200225a-06
Dup Sample ID	: WG1343647-5	DUP Analysis Date	: 02/25/20 15:08

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1016	ND	ND	NC	30
Aroclor 1221	ND	ND	NC	30
Aroclor 1232	ND	ND	NC	30
Aroclor 1242	ND	ND	NC	30
Aroclor 1248	ND	ND	NC	30
Aroclor 1254	ND	ND	NC	30
Aroclor 1262	ND	ND	NC	30
Aroclor 1268	ND	ND	NC	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007690
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0007.03
 Matrix : SOIL
 LCS Sample ID : WG1343647-2 Analysis Date : 02/24/20 23:51 File ID : 23200224a-63
 LCSD Sample ID : WG1343647-3 Analysis Date : 02/24/20 23:58 File ID : 23200224a-64

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.201	0.177	88	0.204	0.180	88	0	40-140	30
Aroclor 1260	0.201	0.165	82	0.204	0.167	82	0	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007690
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0007.03
 Matrix : SOIL
 LCS Sample ID : WG1345844-2 Analysis Date : 03/01/20 22:22 File ID : P7200301a-28
 LCSD Sample ID : WG1345844-3 Analysis Date : 03/01/20 22:34 File ID : P7200301a-29

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.204	0.176	86	0.204	0.181	89	3	40-140	30
Aroclor 1260	0.204	0.170	83	0.204	0.178	87	5	40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Client Sample ID : E-116-0.5-1.0	Matrix : SOIL
Lab Sample ID : L2007690-01	Analysis Date : 02/25/20 14:44
Matrix Spike : WG1343647-4	MS Analysis Date : 02/25/20 14:56
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1260	1.97	0.312	1.79	0	Q			40-140	30	



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Client Sample ID : E-116-0.5-1.0	Matrix : SOIL
Lab Sample ID : L2007690-01	Analysis Date : 02/25/20 14:44
Matrix Spike : WG1343647-4	MS Analysis Date : 02/25/20 14:56
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1016	ND	0.312	0.217J	70					40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007690-01D	
Client ID : E-116-0.5-1.0	
Date Analyzed (1) : 02/25/20 14:44	Date Analyzed (2) : 02/25/20 14:44
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.84	4.77	4.87	1.27		
	2	5.04	4.97	5.07	2.		
COLUMN 1	3	5.50	5.43	5.53	1.76		
	4	5.72	5.64	5.74	2.16		
	5	5.91	5.84	5.94	2.31	1.9	
COLUMN 2	1	5.20	5.14	5.24	1.35		
	2	5.35	5.29	5.39	2.19		
	3	5.87	5.81	5.91	1.93		
	4	6.04	5.98	6.08	2.12		
	5	6.29	6.22	6.32	2.26	1.97	4



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007690-02	
Client ID : E-116-2.0-2.5	
Date Analyzed (1) : 02/24/20 22:23	Date Analyzed (2) : 02/24/20 22:23
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.0604		
	2	2.39	2.34	2.44	0.11		
COLUMN 1	3	2.68	2.63	2.73	0.1		
	4	2.82	2.77	2.87	0.114		
	5	2.96	2.91	3.01	0.13	0.103	
COLUMN 2	1	2.72	2.67	2.77	0.0585		
	2	2.82	2.77	2.87	0.119		
	3	3.19	3.14	3.24	0.0848		
	4	3.32	3.27	3.37	0.117		
	5	3.52	3.47	3.57	0.118	0.0995	3



Identification Summary

Form 10

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007690
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Lab Sample ID	: L2007690-03		
Client ID	: E-116-4.0-4.5		
Date Analyzed (1)	: 03/02/20 11:38	Date Analyzed (2)	: 03/02/20 11:38
Instrument ID (1)	: PEST21	Instrument ID (2)	: PEST21
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	4.79	4.74	4.84	0.00756			
	2	4.99	4.94	5.04	0.0138			
COLUMN 1	3	5.45	5.41	5.51	0.014			
	4	5.67	5.62	5.72	0.0136			
	5	5.86	5.82	5.92	0.014	0.0126J		
COLUMN 2	1	5.36	5.32	5.42	0.0065			
	2	5.51	5.46	5.56	0.0148			
	3	6.03	5.98	6.08	0.014			
	4	6.19	6.15	6.25	0.0119			
	5	6.44	6.39	6.49	0.0122	0.0119J		NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007690-04	
Client ID : E-113-0.5-1.0	
Date Analyzed (1) : 02/24/20 22:30	Date Analyzed (2) : 02/24/20 22:30
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.116		
	2	2.39	2.34	2.44	0.192		
COLUMN 1	3	2.68	2.63	2.73	0.178		
	4	2.82	2.77	2.87	0.206		
	5	2.96	2.91	3.01	0.234	0.185	
COLUMN 2	1	2.72	2.67	2.77	0.109		
	2	2.82	2.77	2.87	0.193		
	3	3.19	3.14	3.24	0.197		
	4	3.32	3.27	3.37	0.202		
	5	3.52	3.47	3.57	0.216	0.184	0



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007690
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Lab Sample ID	: L2007690-05		
Client ID	: E-113-2.0-2.5		
Date Analyzed (1)	: 02/24/20 22:37	Date Analyzed (2)	: 02/24/20 22:37
Instrument ID (1)	: PEST23	Instrument ID (2)	: PEST23
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	0.0239		
	2	2.39	2.34	2.44	0.0449		
COLUMN 1	3	2.68	2.63	2.73	0.0506		
	4	2.82	2.77	2.87	0.0531		
	5	2.96	2.91	3.01	0.0683	0.0482	
COLUMN 2	1	2.72	2.67	2.77	0.0246		
	2	2.82	2.77	2.87	0.0476		
	3	3.19	3.14	3.24	0.0434		
	4	3.32	3.27	3.37	0.0534		
	5	3.52	3.47	3.57	0.0601	0.0458	5



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 2:44 pm
 Operator : pest13:cw
 Sample : 12007690-01d,42e,5,p
 Misc : wg1344217,wg1343647,ical16554 (Sig #1); wg1344217,wg1343629,ical16554 (Sig #2)
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 16:47:58 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	2.152	2.150	570.0E6	1766.8E6	250.000M4	250.000M4
	Standard Area 1 : #1 = 559034838					Recovery = 101.95%	
	Standard Area 1 : #2 = 1587345391					Recovery = 111.30%	
14) i	2154_1br2nb	2.152	2.150	570.0E6	1766.8E6	250.000M4	250.000M4
23) i	4268_1br2nb	2.152	2.150	570.0E6	1766.8E6	250.000M4	250.000M4
34) i	1248_1br2nb	2.152	2.150	570.0E6	1766.8E6	250.000M4	250.000M4
40) i	3262_1br2nb	2.152	2.150	570.0E6	1766.8E6	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.639	2.746	134.9E6	432.4E6	51.817M4	52.407M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 10.36%#		10.48%#	
3) s	Decachlorobi	6.642f	7.063f	90366000	254.3E6	48.627M4	53.710M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 9.73%#		10.74%#	
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 2:44 pm
 Operator : pest13:cw
 Sample : 12007690-01d,42e,5,p
 Misc : wg1344217,wg1343647,ical16554 (Sig #1); wg1344217,wg1343629,ical16554 (Sig #2)
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 16:47:58 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
9)	12 1260-1	4.839f	5.201	318.6E6	1024.5E6	2496.056M4	2647.682M4
10)	12 1260-2	5.041f	5.352	755.2E6	1972.6E6	3928.156M4	4304.958M4
11)	12 1260-3	5.503f	5.874	434.6E6	1414.3E6	3455.713M4	3792.249M4
12)	12 1260-4	5.715f	6.043	1216.8E6	3210.0E6	4237.944M1	4161.452M4
13)	12 1260-5	5.911f	6.290	848.2E6	2223.3E6	4549.561M1	4453.432M4
	Sum 1260-1			3573.5E6	9844.7E6	18667.429	19359.772
	Average 1260-1					3733.486	3871.954
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 2:44 pm
 Operator : pest13:cw
 Sample : 12007690-01d,42e,5,p
 Misc : wg1344217,wg1343647,ical16554 (Sig #1); wg1344217,wg1343629,ical16554 (Sig #2)
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 16:47:58 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 2:44 pm
 Operator : pest13:cw
 Sample : 12007690-01d,42e,5,p
 Misc : wg1344217,wg1343647,ical16554 (Sig #1); wg1344217,wg1343629,ical16554 (Sig #2)
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 16:47:58 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

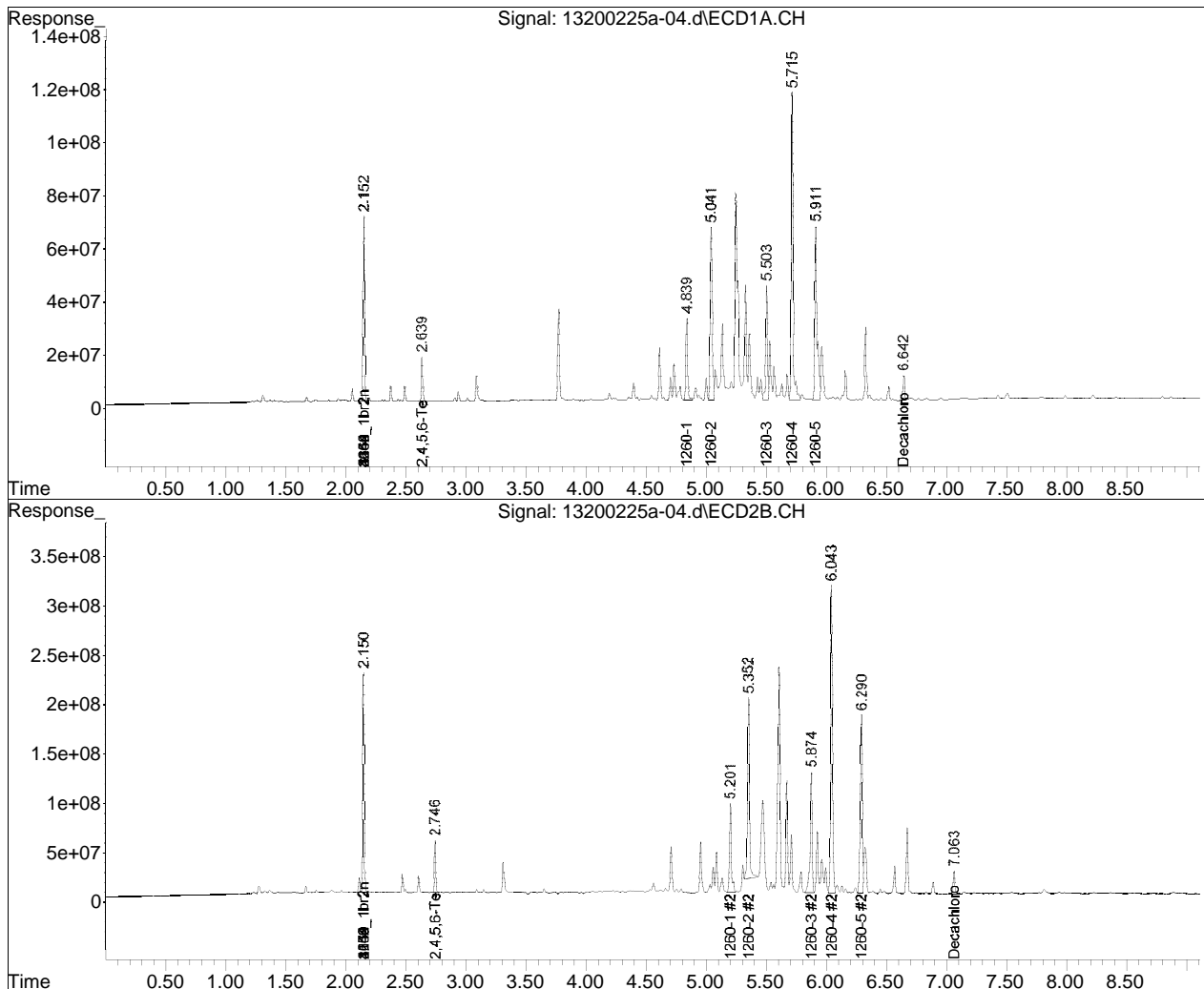
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-03.d••d)

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 2:44 pm
Operator : pest13:cw
Sample : 12007690-01d,42e,5,p
Misc : wg1344217,wg1343647,ical16554 (Sig #1); wg1344217,wg1343629,ical16
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 16:47:58 2020
Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
Quant Title : pcb
QLast Update : Fri Feb 21 17:10:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

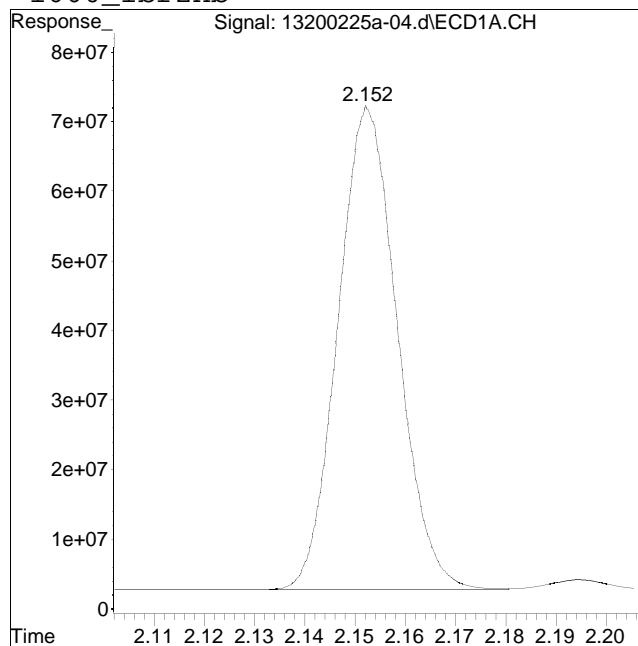
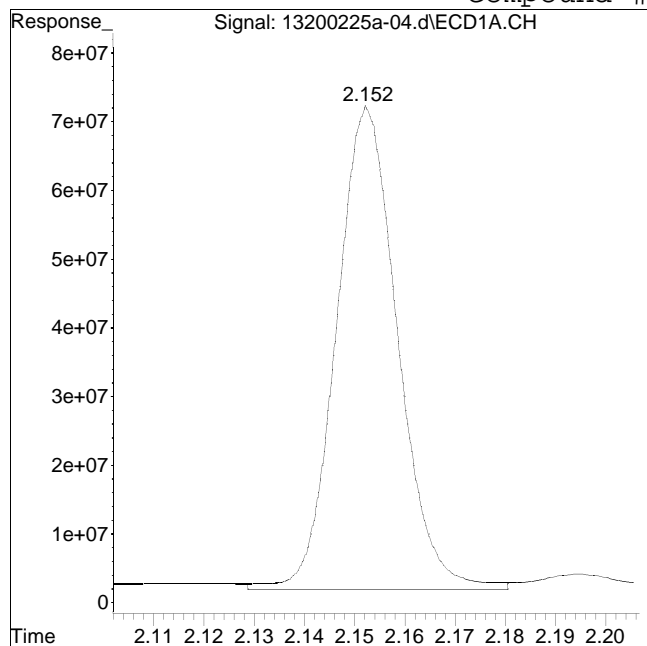


Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #1: 1660_1br2nb



Original Peak Response = 596923805

Manual Peak Response = 569956461 M4

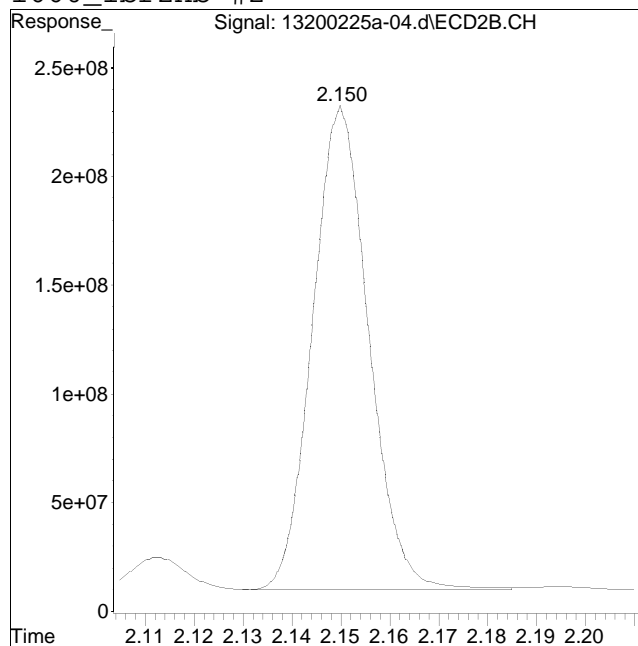
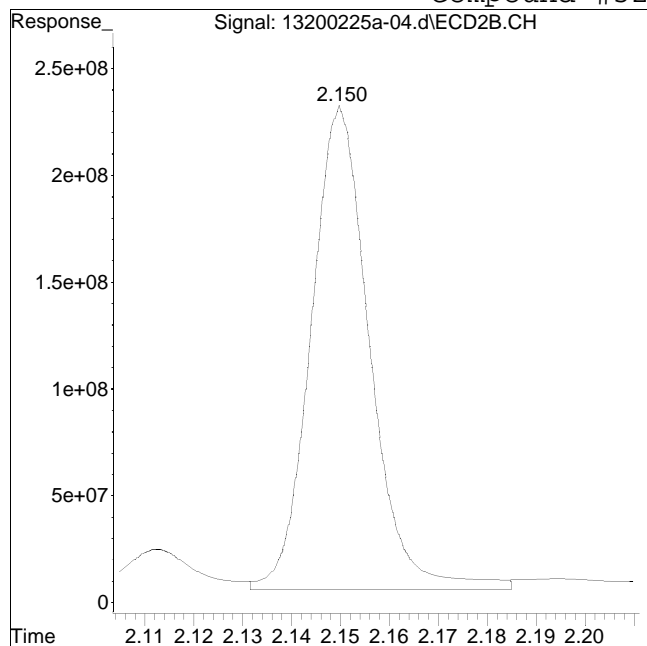
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 1891167072

Manual Peak Response = 1766756823 M4

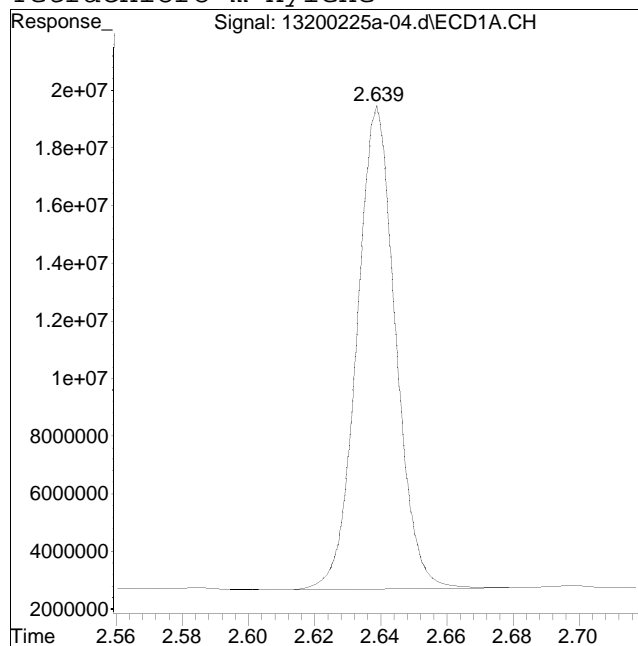
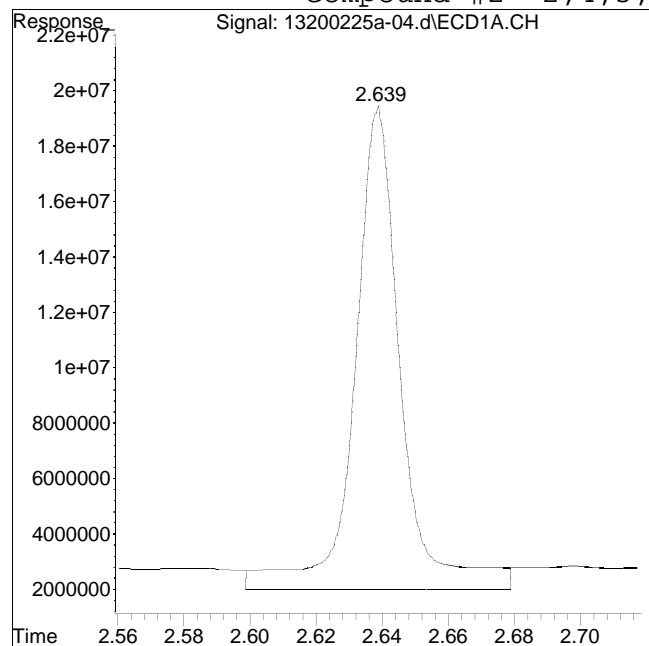
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 169918897

Manual Peak Response = 134949738 M4

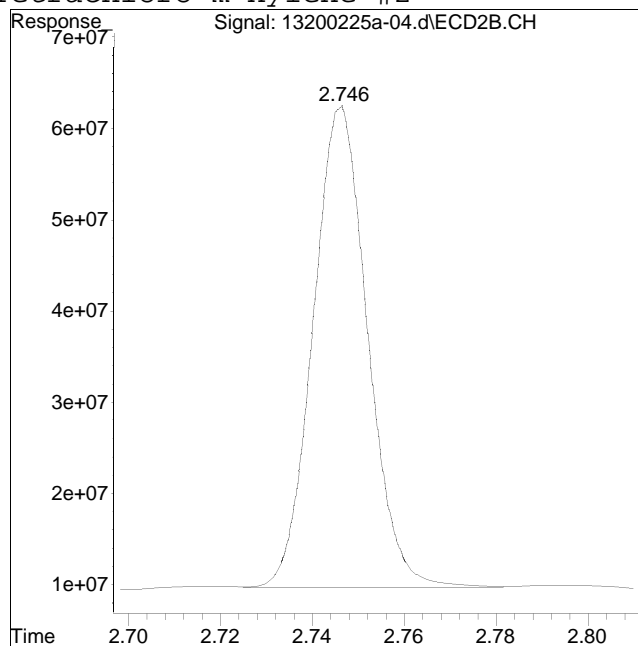
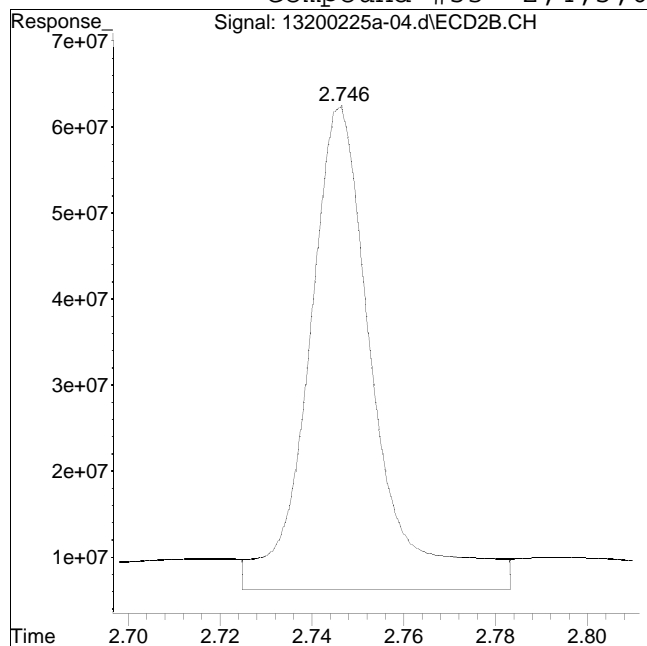
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 553259394

Manual Peak Response = 432447997 M4

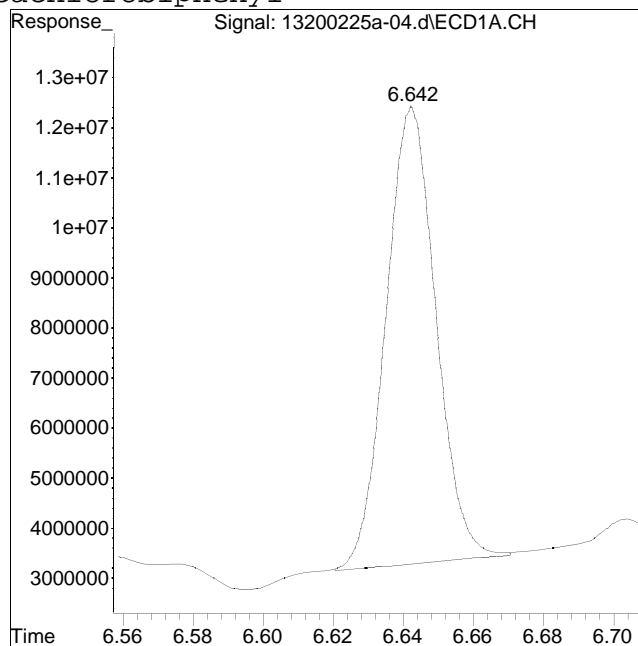
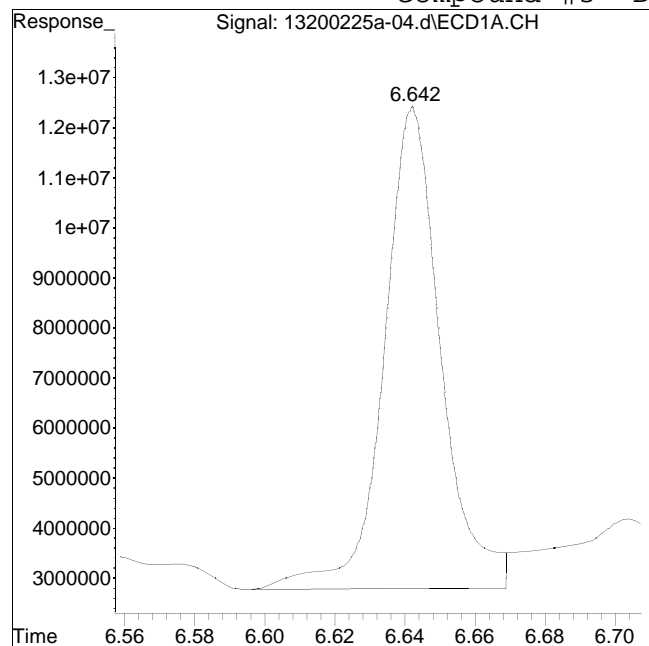
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 108359021

Manual Peak Response = 90366000 M4

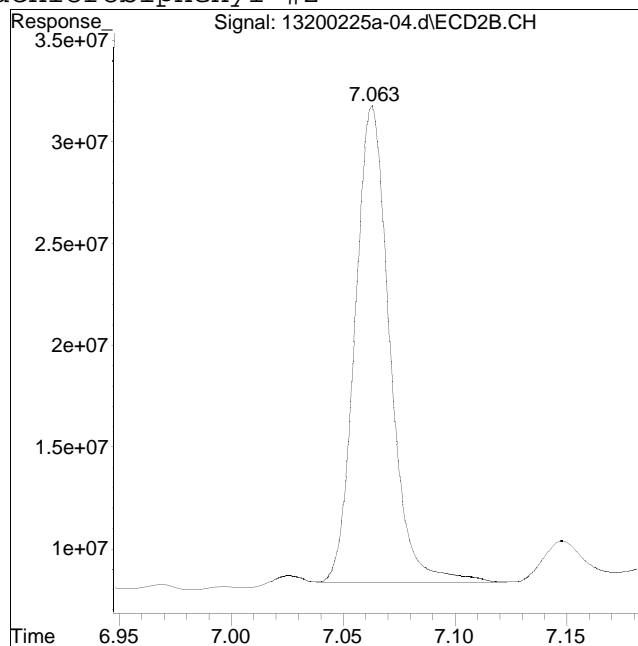
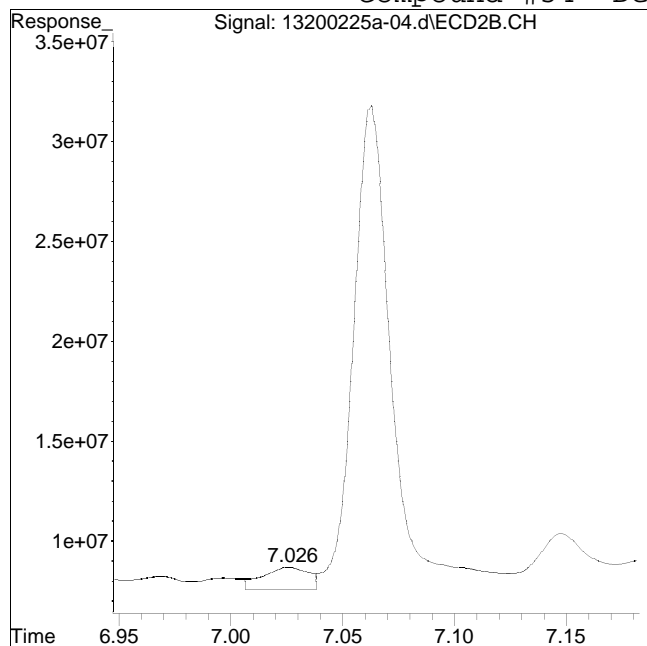
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 16316271

Manual Peak Response = 254281611 M4

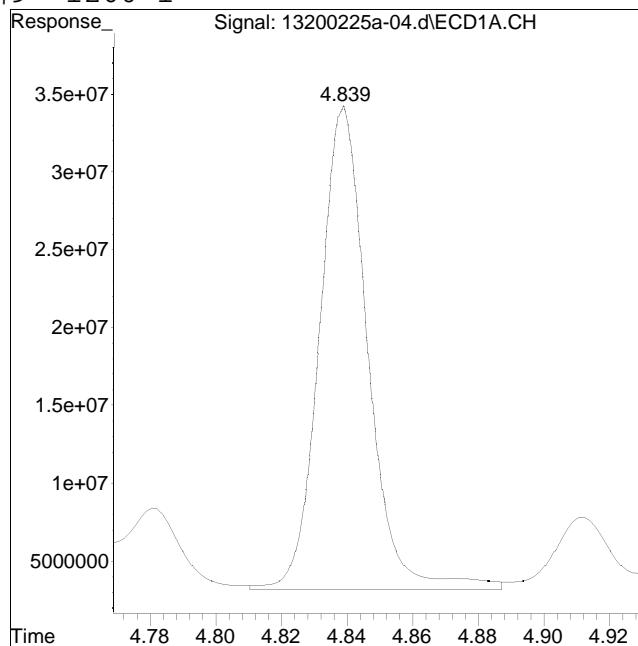
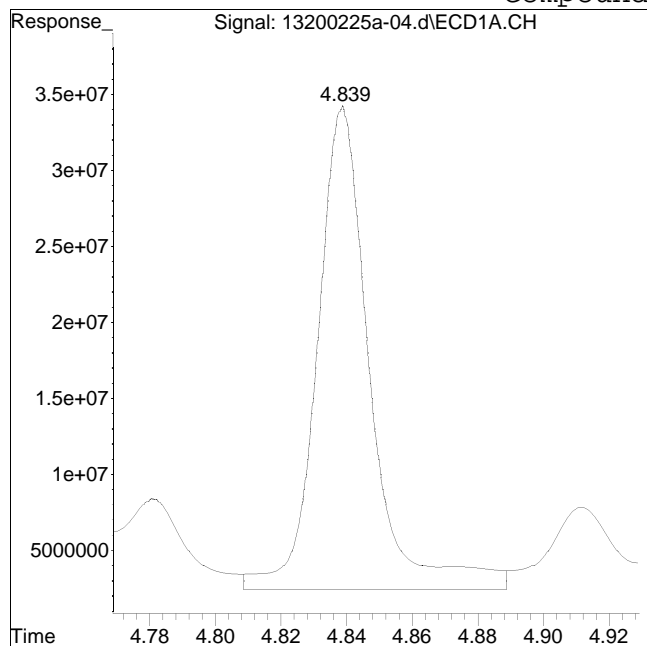
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #9: 1260-1



Original Peak Response = 355125703

Manual Peak Response = 318612135 M4

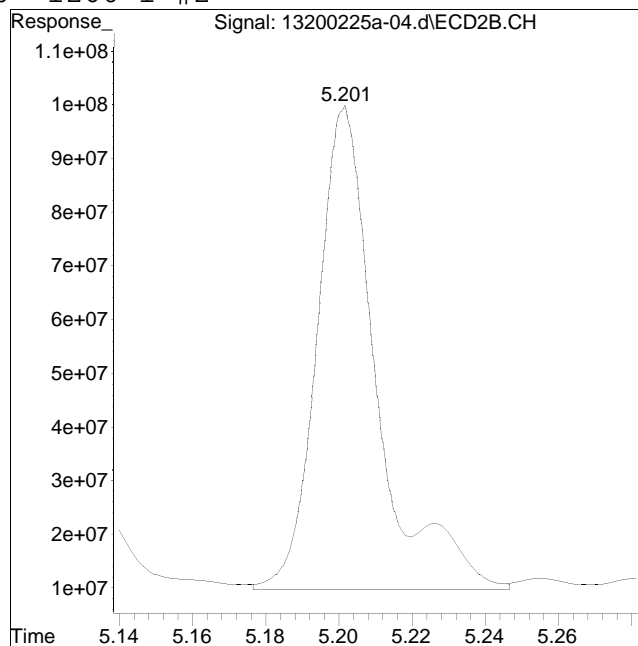
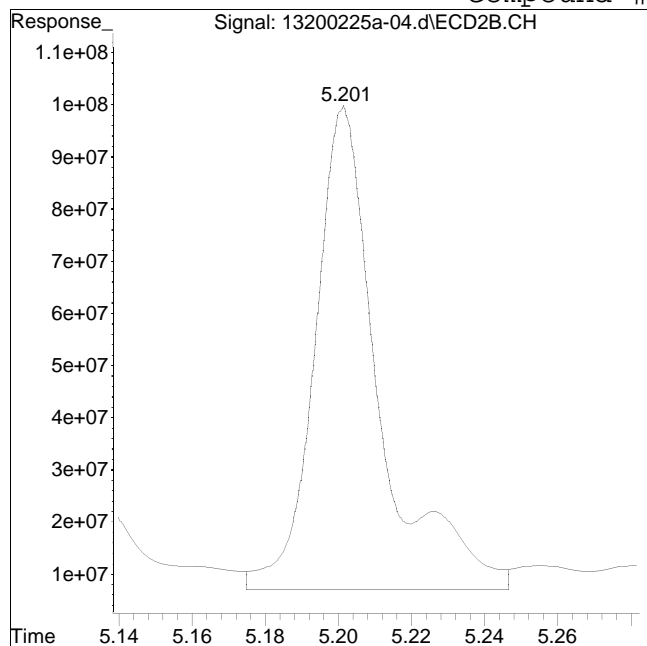
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #60: 1260-1 #2



Original Peak Response = 1140856126

Manual Peak Response = 1024548641 M4

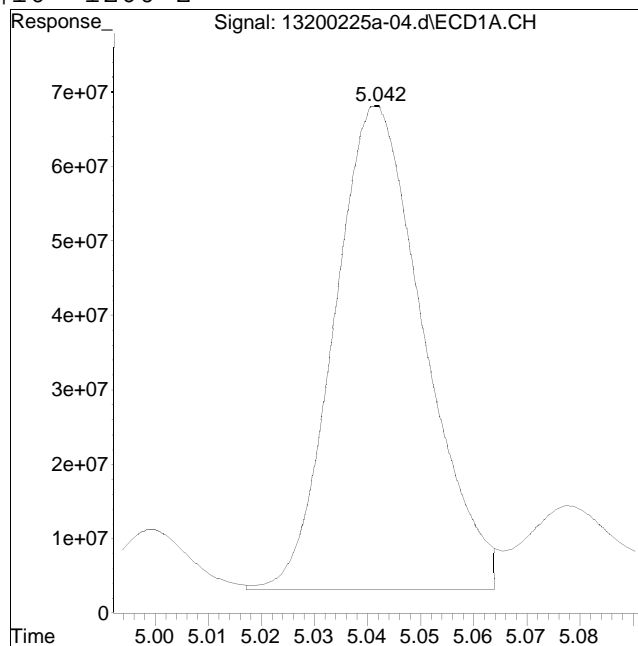
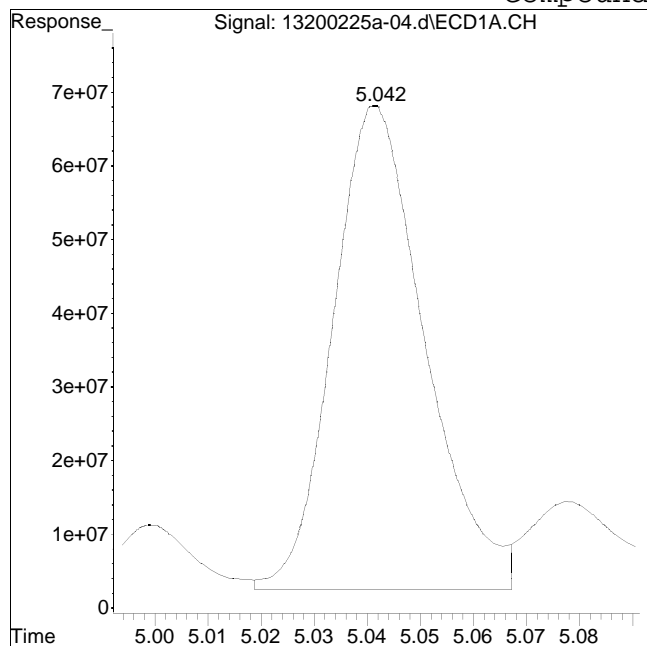
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #10: 1260-2



Original Peak Response = 786611488

Manual Peak Response = 755232640 M4

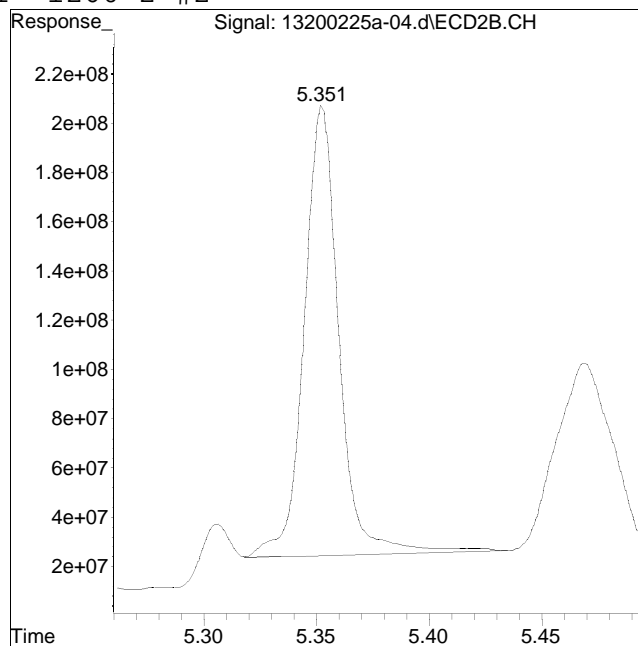
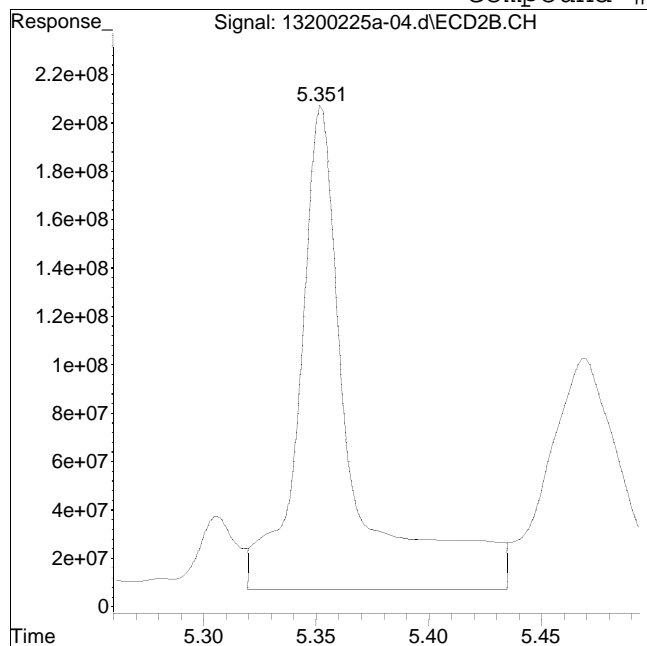
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #61: 1260-2 #2



Original Peak Response = 3223373741

Manual Peak Response = 1972637303 M4

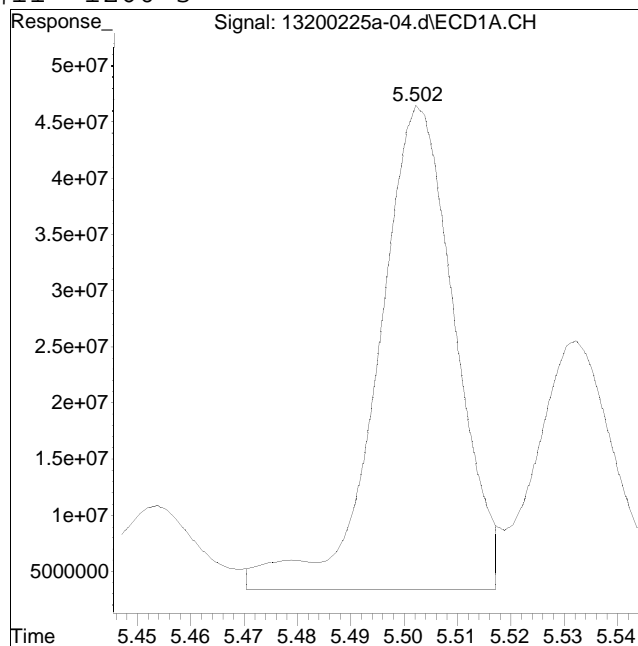
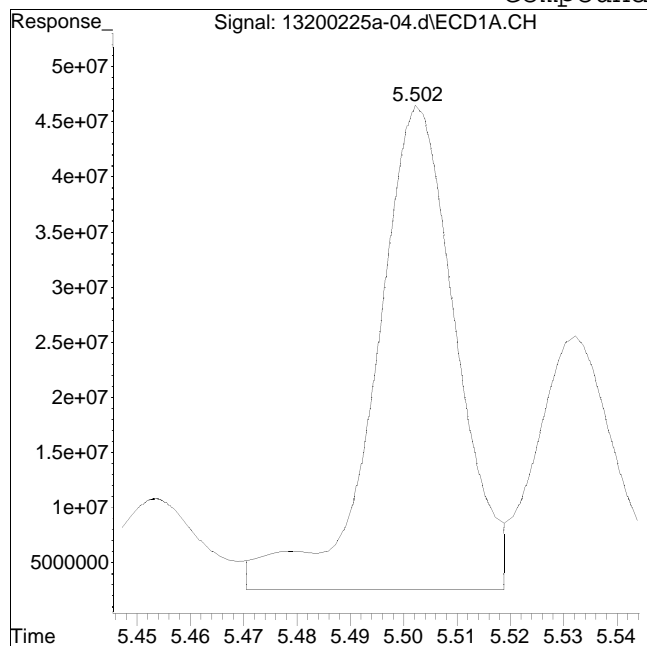
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #11: 1260-3



Original Peak Response = 462791588

Manual Peak Response = 434645962 M4

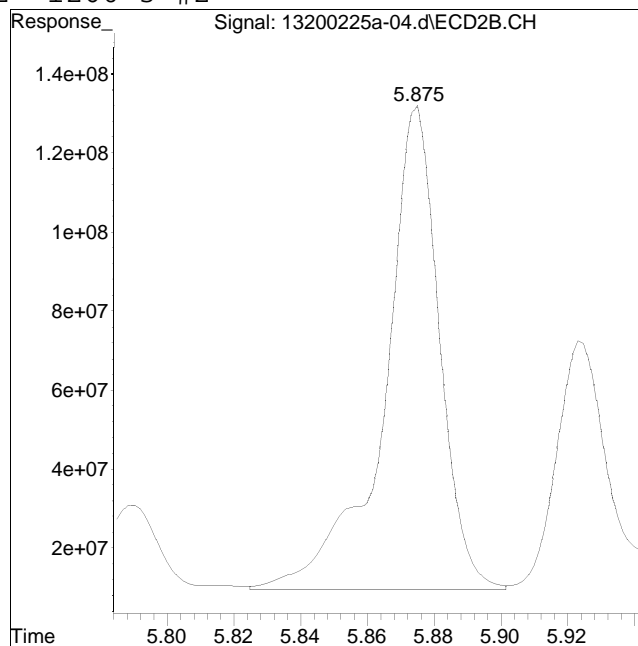
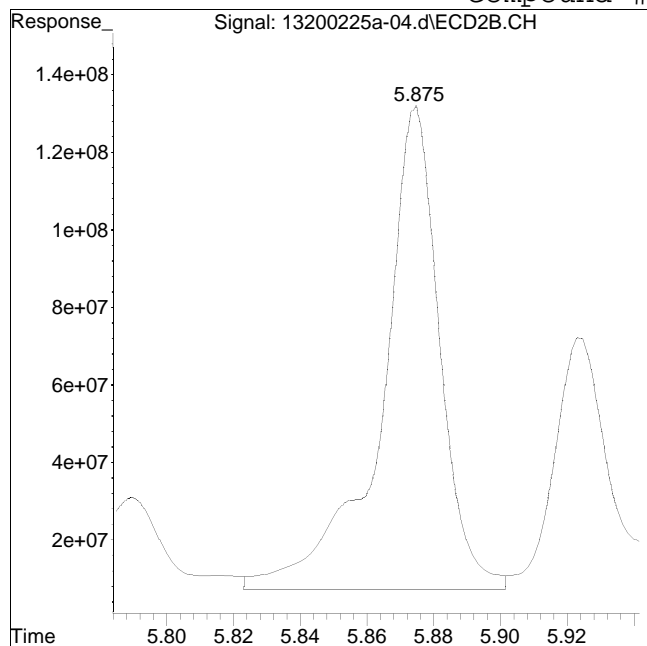
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #62: 1260-3 #2



Original Peak Response = 1522842777

Manual Peak Response = 1414253470 M4

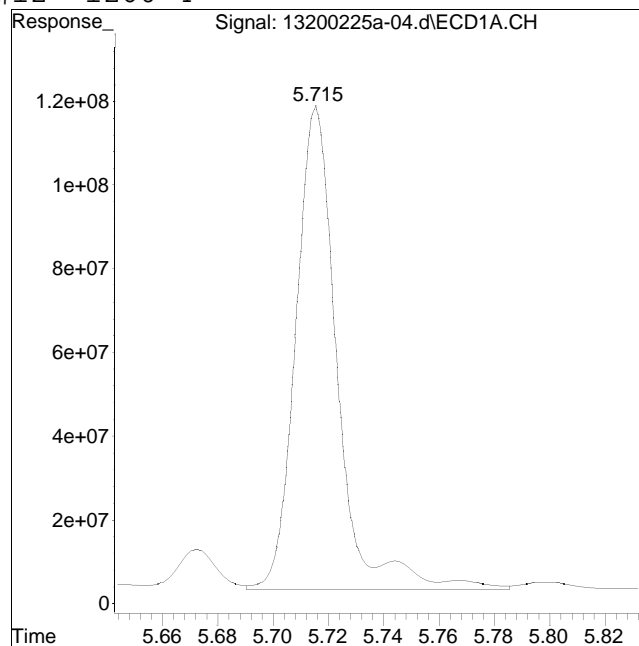
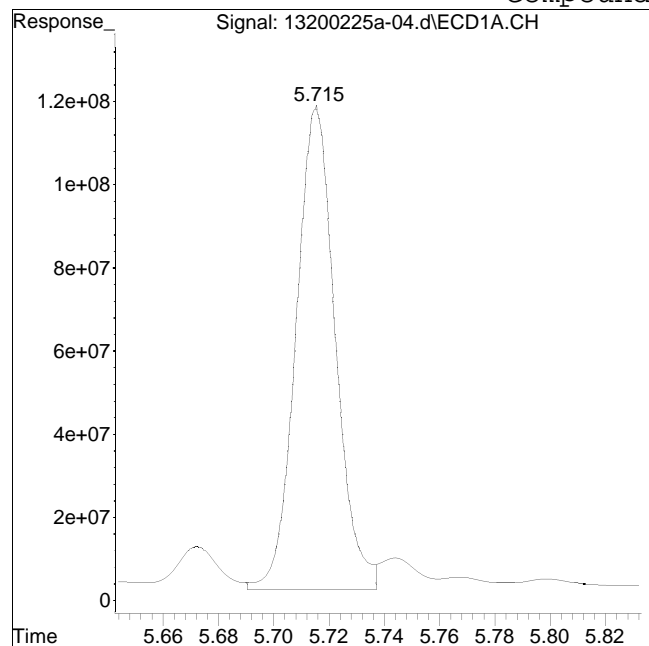
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #12: 1260-4



Original Peak Response = 1146733288

Manual Peak Response = 1216834801 M1

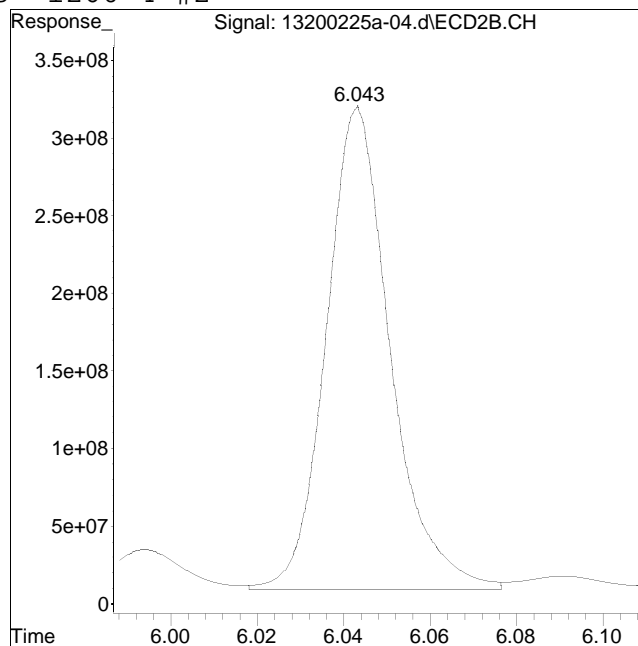
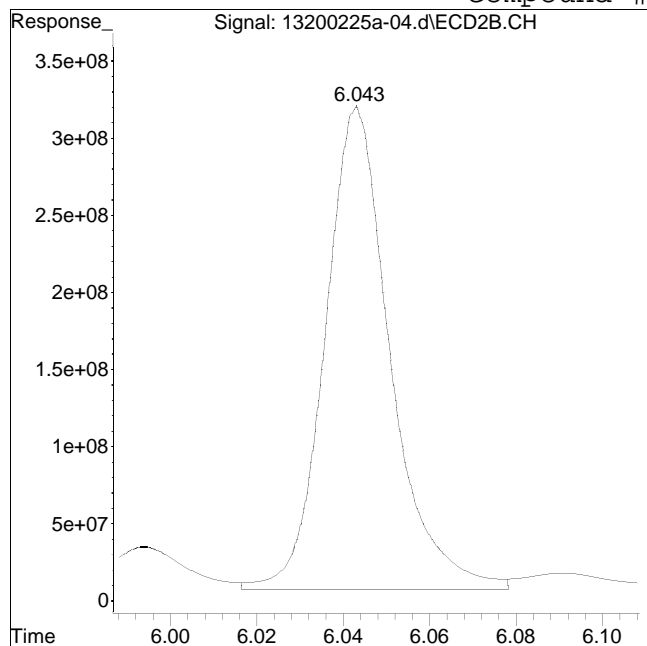
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #63: 1260-4 #2



Original Peak Response = 3277285936

Manual Peak Response = 3209974614 M4

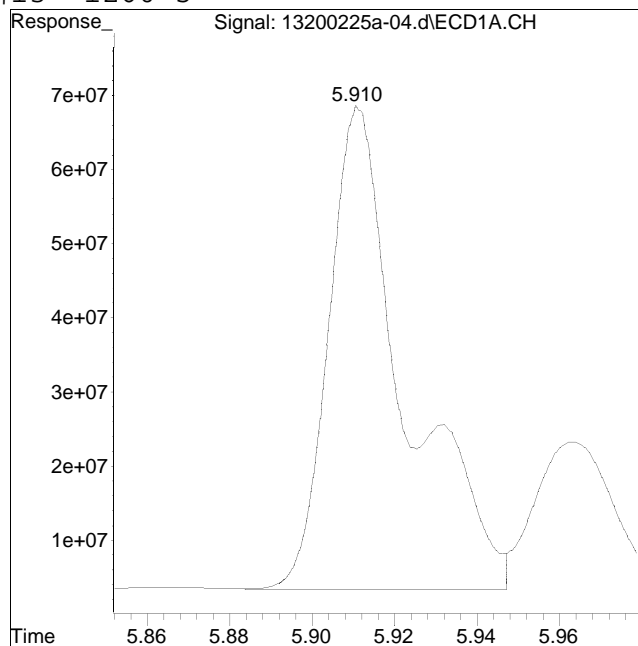
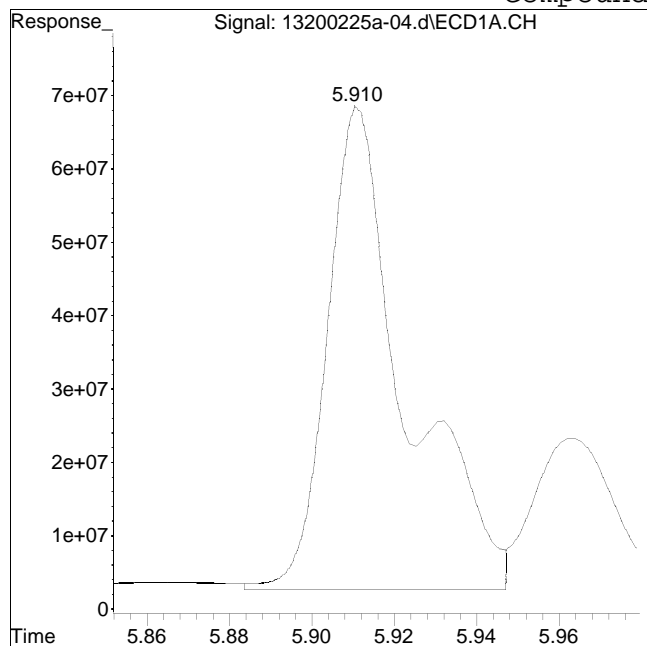
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #13: 1260-5



Original Peak Response = 869268767

Manual Peak Response = 848217875 M1

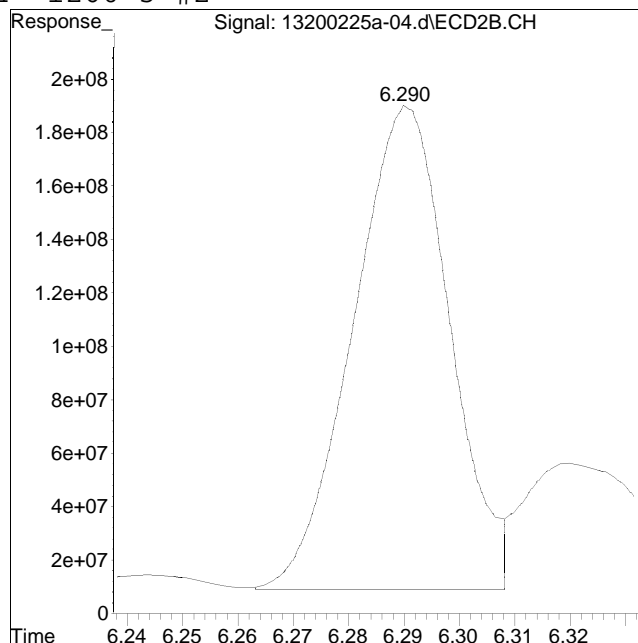
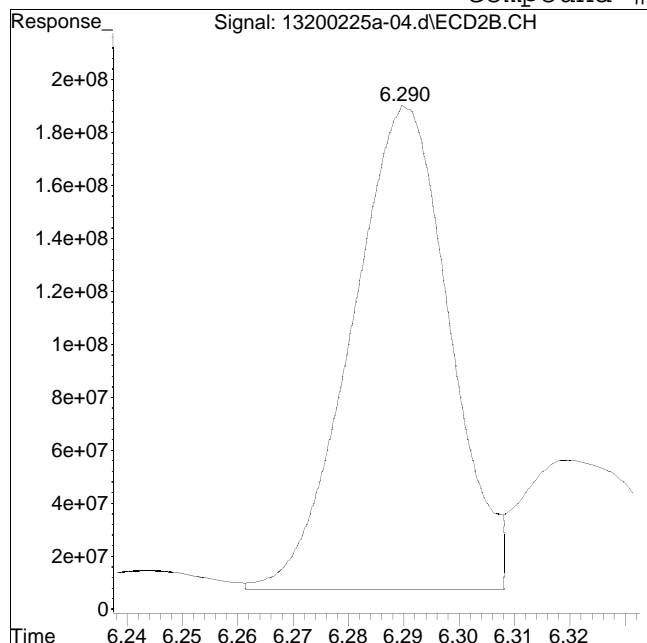
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-04.d
Date Inj'd : 2/25/2020 2:44 pm
Sample : 12007690-01d,42e,5,p

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:cw
Instrument : PEST 13
Quant Date : 2/26/2020 4:43 pm

Compound #64: 1260-5 #2



Original Peak Response = 2242647485

Manual Peak Response = 2223283541 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200302a\
 Data File : 21200302a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Mar 2020 11:38 am
 Operator : pest21:ht
 Sample : 12007690-03,42e,,
 Misc : wgl1346102,wgl1345844,ical16334
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 20:17:23 2020
 Quant Method : I:\Pest21\data\2020\21200302a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200302a\21200302a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.089	2.197	162.4E6	305.6E6	250.000	250.000
Standard Area 1 : #1 = 151690811					Recovery =	107.04%
Standard Area 1 : #2 = 285353789					Recovery =	107.10%
14) i 2154_1br2nb	2.089	2.197	162.4E6	305.6E6	250.000	250.000
23) i 4268_1br2nb	2.089	2.197	162.4E6	305.6E6	250.000	250.000
34) i 1248_1br2nb	2.089	2.197	162.4E6	305.6E6	250.000	250.000
40) i 3262_1br2nb	2.089	2.197	162.4E6	305.6E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.575	2.831	276.1E6	526.9E6	409.090	414.355
Spiked Amount 500.000 Range 30 - 150					Recovery =	81.82% 82.87%
3) s Decachlorobi	6.588	7.204	194.6E6	288.2E6	351.936M4	330.024M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	70.39% 66.00%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.787	5.364	2964338	4733416	84.458	72.560
10) l2 1260-2	4.991	5.508	8015968	12703386	154.327	165.798
11) l2 1260-3	5.453	6.032	5089342	9541055	155.834	156.910M4
12) l2 1260-4	5.669	6.193	10543989	16736699	152.283	132.926
13) l2 1260-5	5.865	6.442	7742373	11633013	156.491	136.503
Sum 1260-1			34356010	55347569	703.393	664.697

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200302a\
 Data File : 21200302a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Mar 2020 11:38 am
 Operator : pest21:ht
 Sample : 12007690-03,42e,,
 Misc : wgl1346102,wgl1345844,ical16334
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 20:17:23 2020
 Quant Method : I:\Pest21\data\2020\21200302a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200302a\21200302a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					140.679	132.939
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200302a\
 Data File : 21200302a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Mar 2020 11:38 am
 Operator : pest21:ht
 Sample : 12007690-03,42e,,
 Misc : wgl346102,wgl345844,ical16334
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 20:17:23 2020
 Quant Method : I:\Pest21\data\2020\21200302a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200302a\21200302a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200302a\
 Data File : 21200302a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Mar 2020 11:38 am
 Operator : pest21:ht
 Sample : 12007690-03,42e,,
 Misc : wgl346102,wgl345844,ical16334
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 20:17:23 2020
 Quant Method : I:\Pest21\data\2020\21200302a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200302a\21200302a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

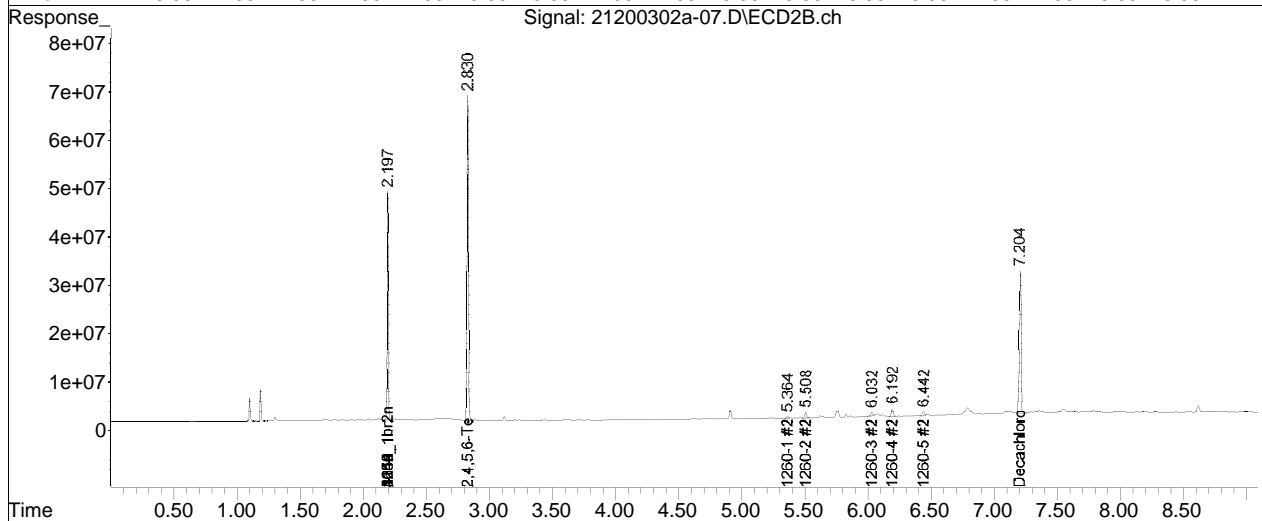
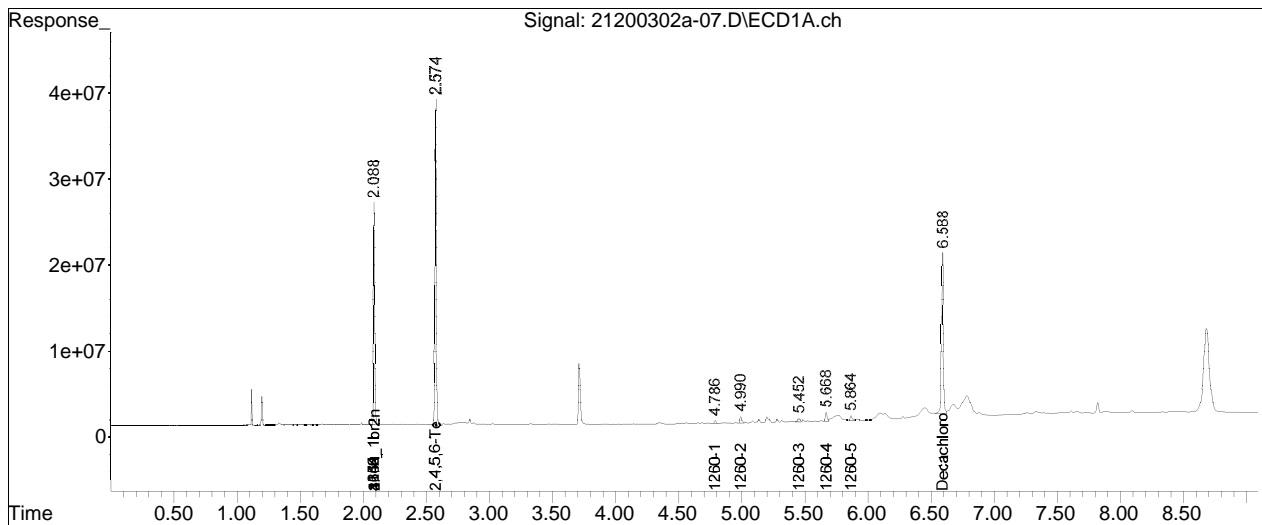
Sub List : Default - All compounds listed02a\21200302a-02.D**

Data Path : I:\Pest21\data\2020\21200302a\
Data File : 21200302a-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Mar 2020 11:38 am
Operator : pest21:ht
Sample : 12007690-03,42e,,
Misc : wg1346102,wg1345844,ical16334
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 20:17:23 2020
Quant Method : I:\Pest21\data\2020\21200302a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

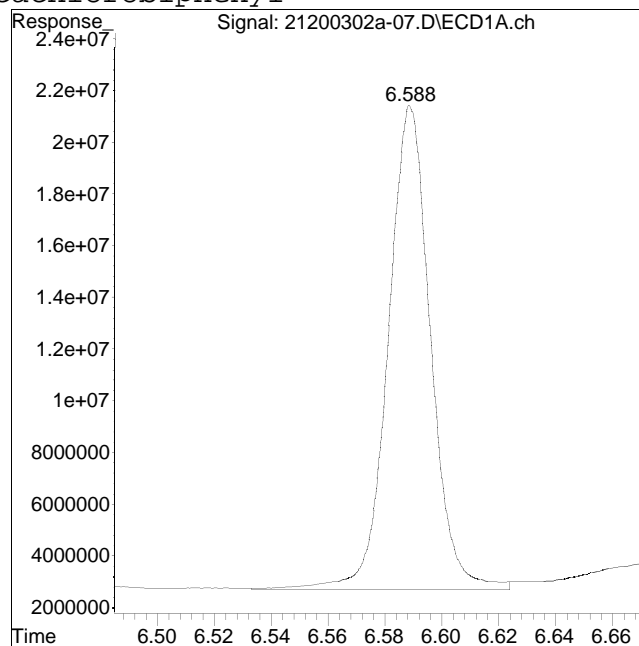
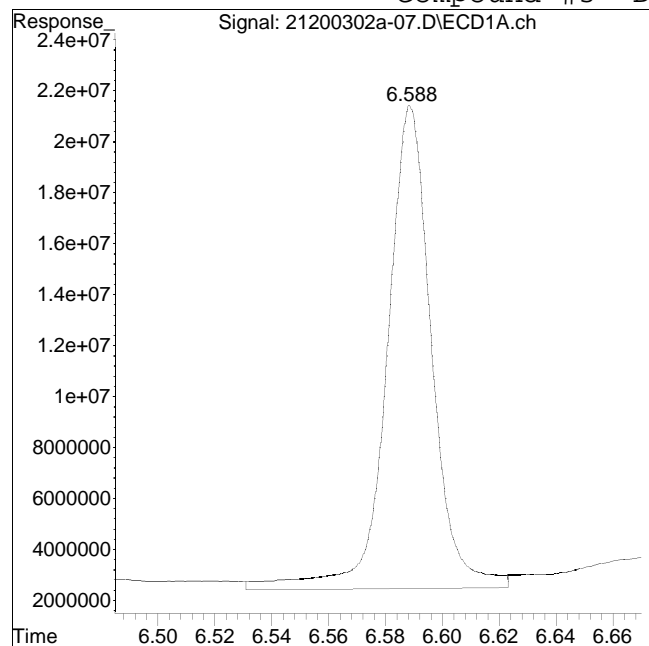
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200302a-07.D Operator : pest21:ht
Date Inj'd : 3/2/2020 11:38 am Instrument : Pest 21
Sample : 12007690-03,42e,, Quant Date : 3/3/2020 7:15 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 207378585

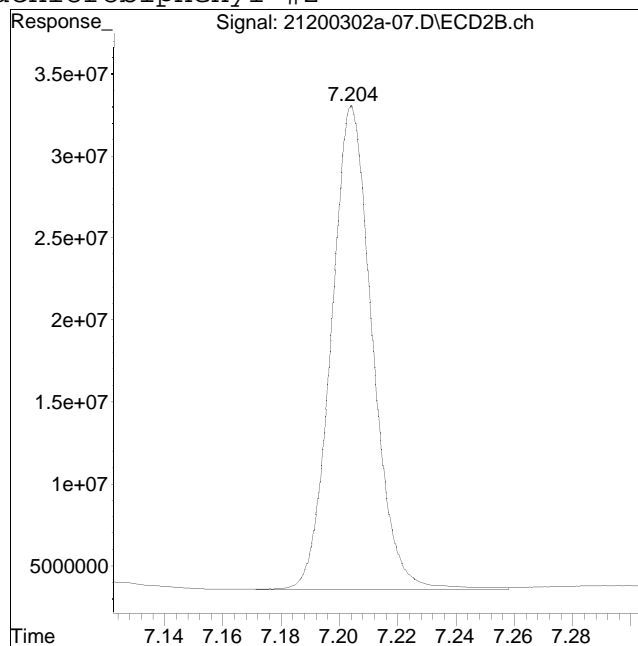
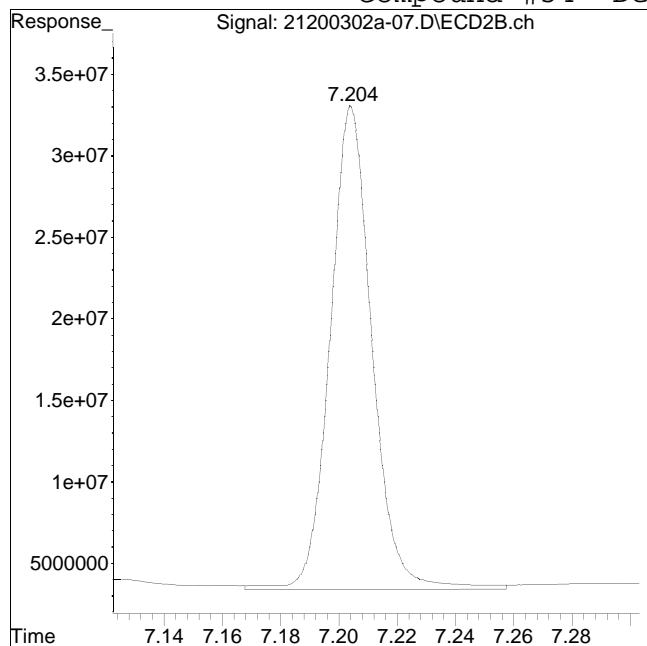
Manual Peak Response = 194612345 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200302a-07.D Operator : pest21:ht
Date Inj'd : 3/2/2020 11:38 am Instrument : Pest 21
Sample : 12007690-03,42e,, Quant Date : 3/3/2020 7:15 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 296844491

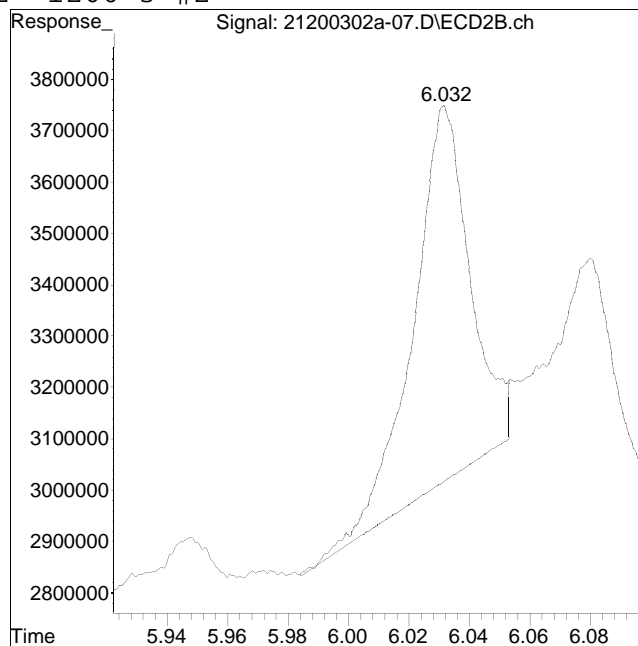
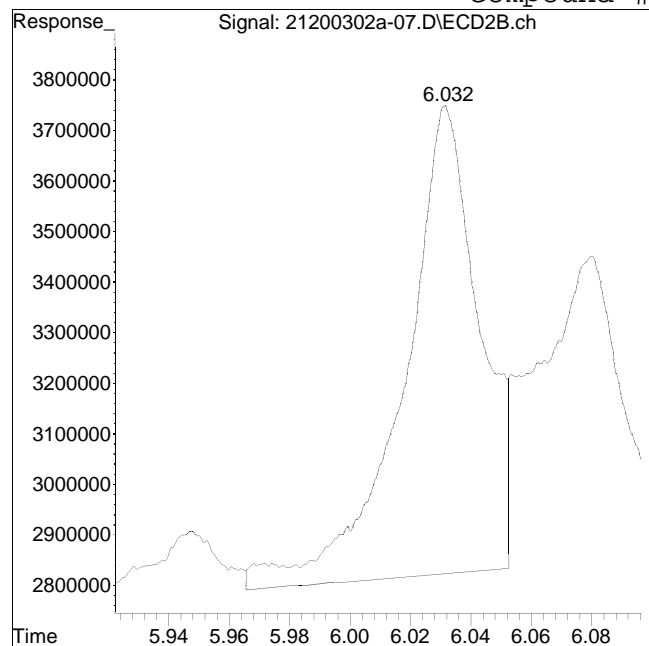
Manual Peak Response = 288231909 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200302a-07.D Operator : pest21:ht
Date Inj'd : 3/2/2020 11:38 am Instrument : Pest 21
Sample : 12007690-03,42e,, Quant Date : 3/3/2020 7:15 am

Compound #62: 1260-3 #2



Original Peak Response = 15989780

Manual Peak Response = 9541055 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:23 pm
 Operator : pest23:cw
 Sample : 12007690-02,42e,,
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:48:17 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.018	23606385	27436796	250.000M4	250.000
Standard Area 1 : #1 = 22244458					Recovery = 106.12%	
Standard Area 1 : #2 = 25501975					Recovery = 107.59%	
14) i 2154_1br2nb	0.924	1.018	23606385	27436796	250.000M4	250.000
23) i 4268_1br2nb	0.924	1.018	23606385	27436796	250.000M4	250.000
34) i 1248_1br2nb	0.924	1.018	23606385	27436796	250.000M4	250.000
40) i 3262_1br2nb	0.924	1.018	23606385	27436796	250.000M4	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.164	1.359	34877079	39364292	241.696	259.588
Spiked Amount 500.000	Range 30 - 150		Recovery = 48.34%		51.92%	
3) s Decachlorobi	3.527	4.159	27851252	30620018	280.538	223.741
Spiked Amount 500.000	Range 30 - 150		Recovery = 56.11%		44.75%	
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.271	2.719	4774491	5449321	668.460	647.403
10) l2 1260-2	2.388	2.819	13230945	13092376	1213.298	1317.856
11) l2 1260-3	2.681	3.195	7496664	7925549	1110.122	938.474
12) l2 1260-4	2.825	3.324	18248481	22529839	1263.351	1296.712
13) l2 1260-5	2.964	3.521	11050636	16084325	1435.158	1306.681
Sum 1260-1			54801218	65081411	5690.390	5507.125
Average 1260-1					1138.078	1101.425

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:23 pm
 Operator : pest23:cw
 Sample : 12007690-02,42e,,
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:48:17 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:23 pm
 Operator : pest23:cw
 Sample : 12007690-02,42e,,
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:48:17 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-50.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:23 pm
 Operator : pest23:cw
 Sample : l2007690-02,42e,,
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:48:17 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

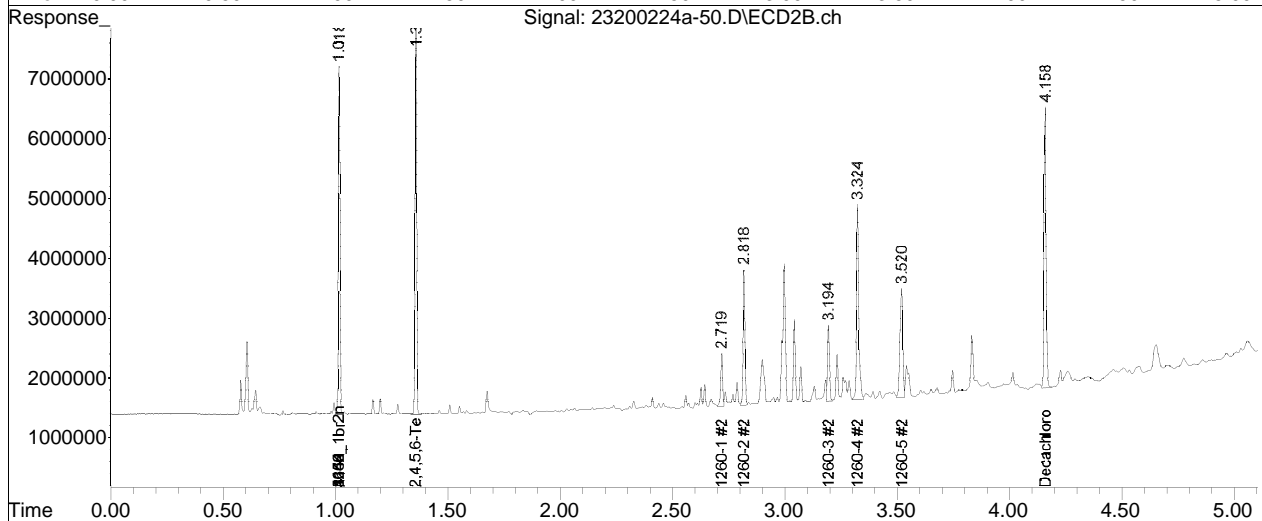
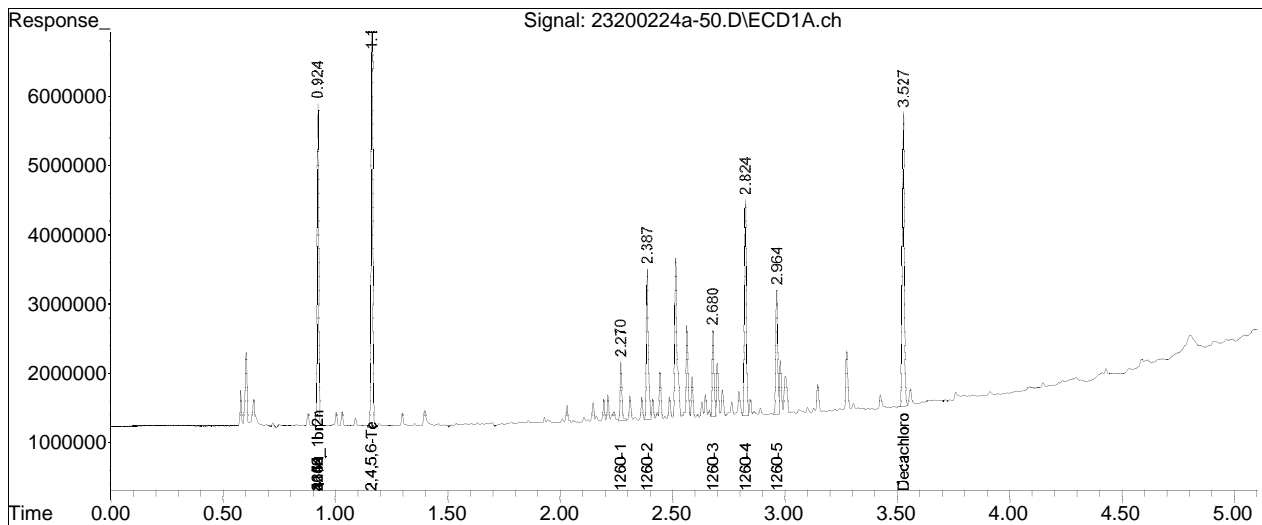
Sub List : Default - All compounds listed24a\23200224a-44.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-50.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 10:23 pm
Operator : pest23:cw
Sample : l2007690-02,42e,,
Misc : wg1343753,wg1343647,ical16474
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 13:48:17 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

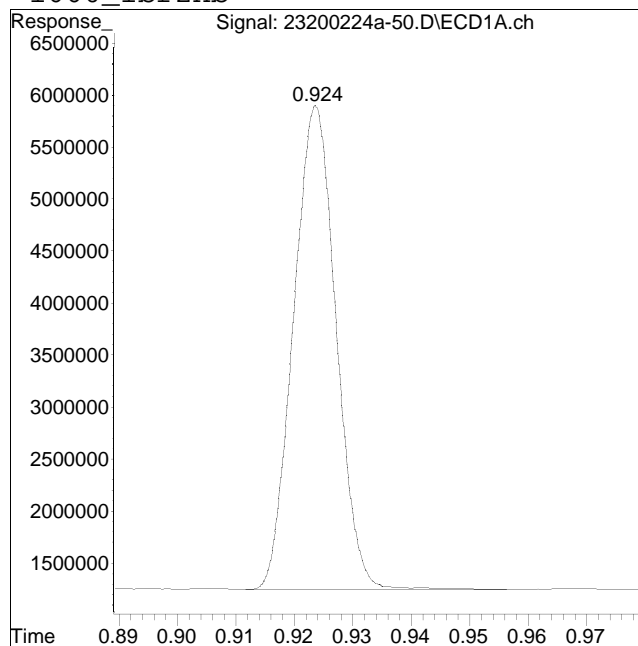
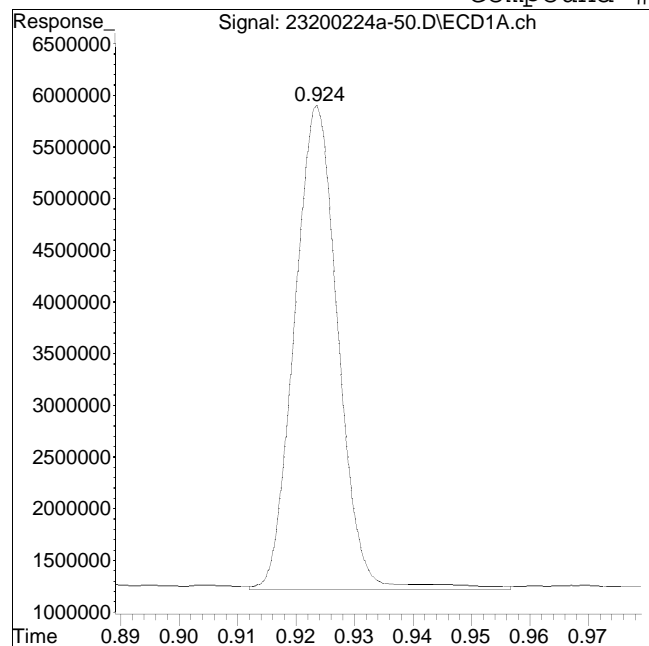
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-50.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:23 pm Instrument : Pest 23
Sample : 12007690-02,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #1: 1660_1br2nb



Original Peak Response = 24412312

Manual Peak Response = 23606385 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-51.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:30 pm
 Operator : pest23:cw
 Sample : 12007690-04,42e,,
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:50:48 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.018	23782829	27745493	250.000M4	250.000
Standard Area 1 : #1 = 22244458					Recovery = 106.92%	
Standard Area 1 : #2 = 25501975					Recovery = 108.80%	
14) i 2154_1br2nb	0.923	1.018	23782829	27745493	250.000M4	250.000
23) i 4268_1br2nb	0.923	1.018	23782829	27745493	250.000M4	250.000
34) i 1248_1br2nb	0.923	1.018	23782829	27745493	250.000M4	250.000
40) i 3262_1br2nb	0.923	1.018	23782829	27745493	250.000M4	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.359	35927832	39890027	247.130	260.128
Spiked Amount 500.000 Range 30 - 150					Recovery = 49.43%	52.03%
3) s Decachlorobi	3.526	4.157	27994351	34037254	279.860M4	245.943M4
Spiked Amount 500.000 Range 30 - 150					Recovery = 55.97%	49.19%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.270	2.718	10493600	11613201	1458.273	1364.349M4
10) l2 1260-2	2.387	2.818	26555872	24391864	2417.147	2427.925M4
11) l2 1260-3	2.680	3.194	15226683	21167898	2238.072M4	2478.629M4
12) l2 1260-4	2.824	3.323	37736725	44608887	2593.149M4	2538.912M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-51.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:30 pm
 Operator : pest23:cw
 Sample : 12007690-04,42e,,
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:50:48 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	12 1260-5	2.963	3.520	22774828	33806112	2935.848M4	2715.831M4
	Sum 1260-1			112.8E6	135.6E6	11642.489	11525.646
	Average 1260-1					2328.498	2305.129
15)	13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-51.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:30 pm
 Operator : pest23:cw
 Sample : 12007690-04,42e,,
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:50:48 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-51.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:30 pm
 Operator : pest23:cw
 Sample : 12007690-04,42e,,
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:50:48 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

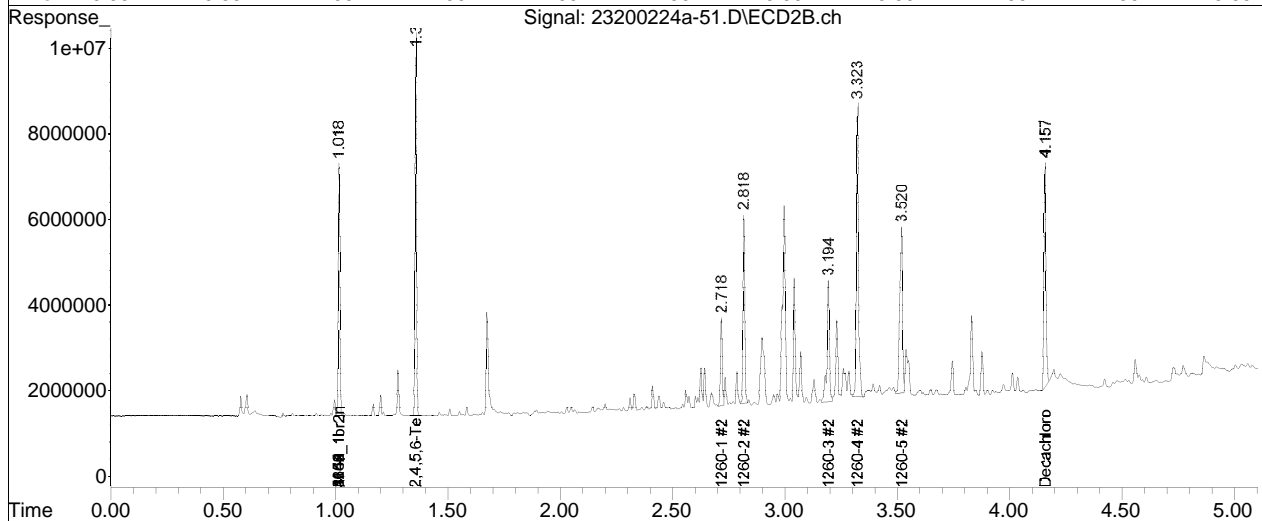
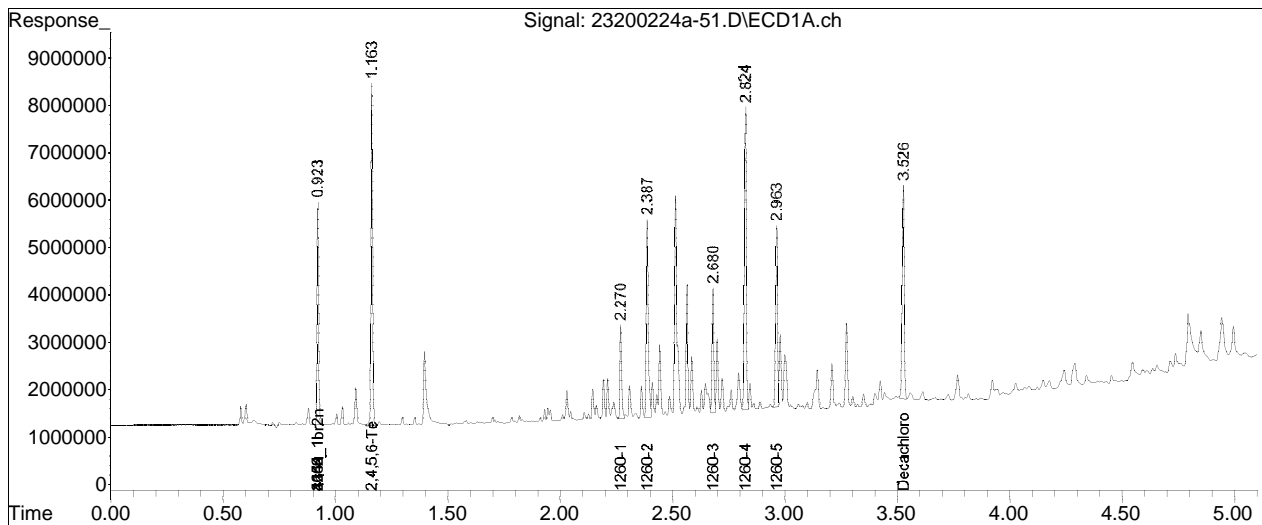
Sub List : Default - All compounds listed24a\23200224a-44.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-51.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 10:30 pm
Operator : pest23:cw
Sample : 12007690-04,42e,,
Misc : wg1343753,wg1343647,ical16474
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 13:50:48 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

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Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

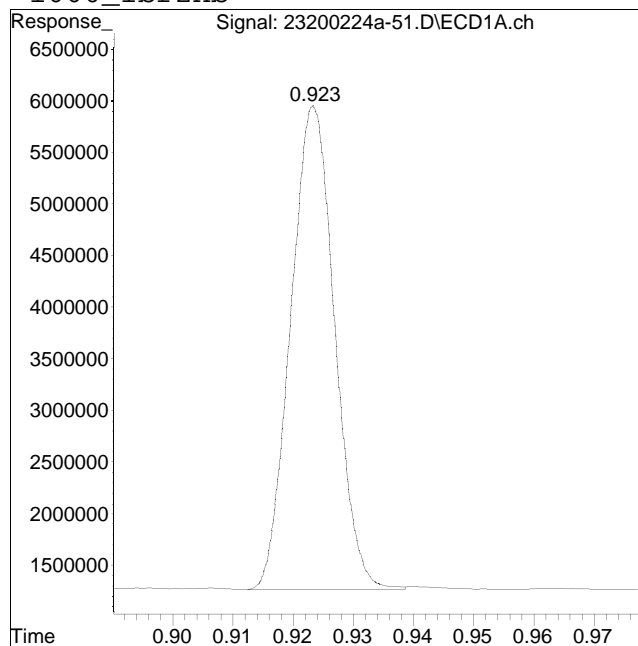
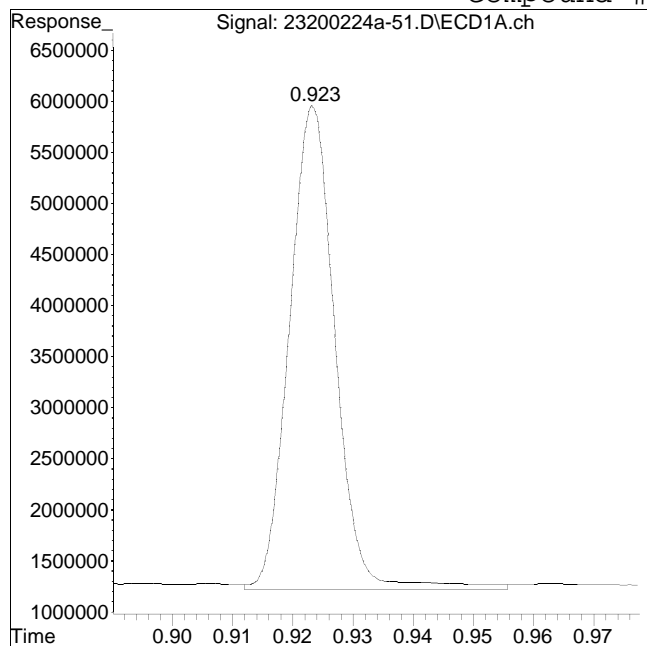
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-51.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:30 pm Instrument : Pest 23
Sample : 12007690-04,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #1: 1660_1br2nb



Original Peak Response = 25199176

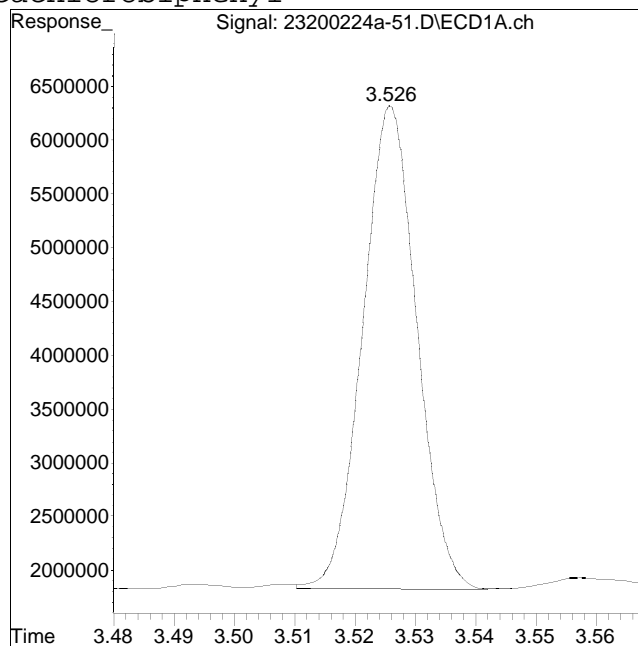
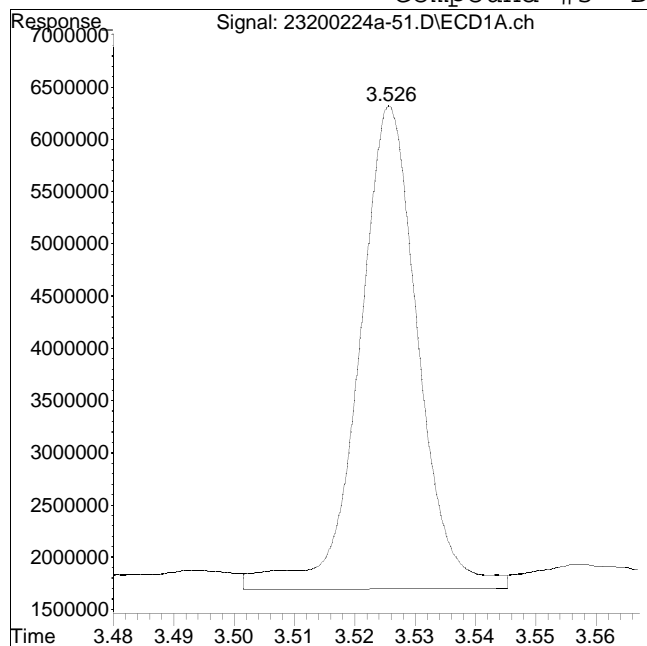
Manual Peak Response = 23782829 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-51.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:30 pm Instrument : Pest 23
Sample : 12007690-04,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 31573935

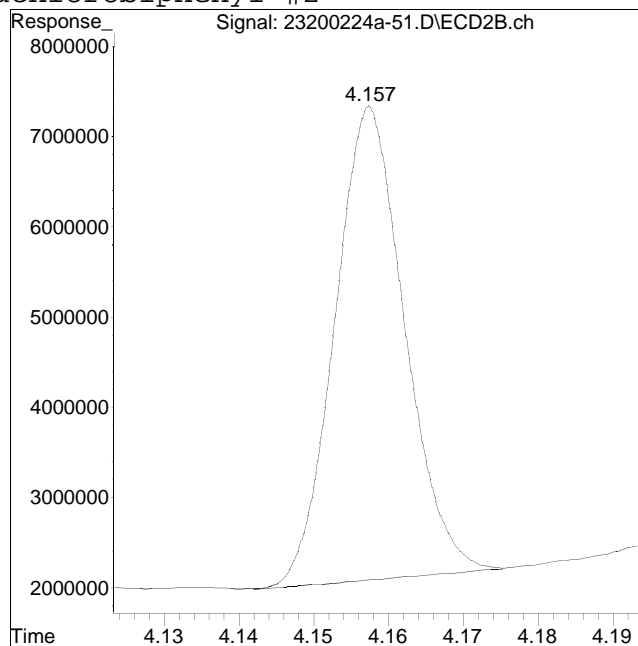
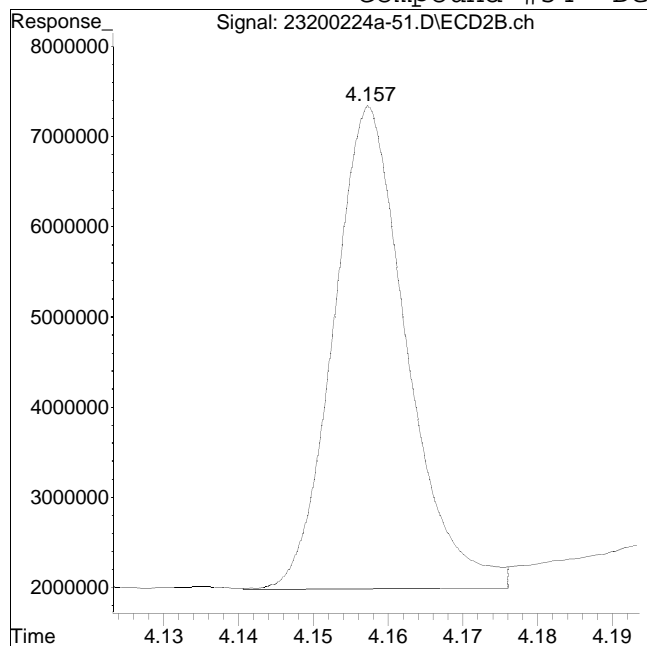
Manual Peak Response = 27994351 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-51.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:30 pm Instrument : Pest 23
Sample : 12007690-04,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 36429153

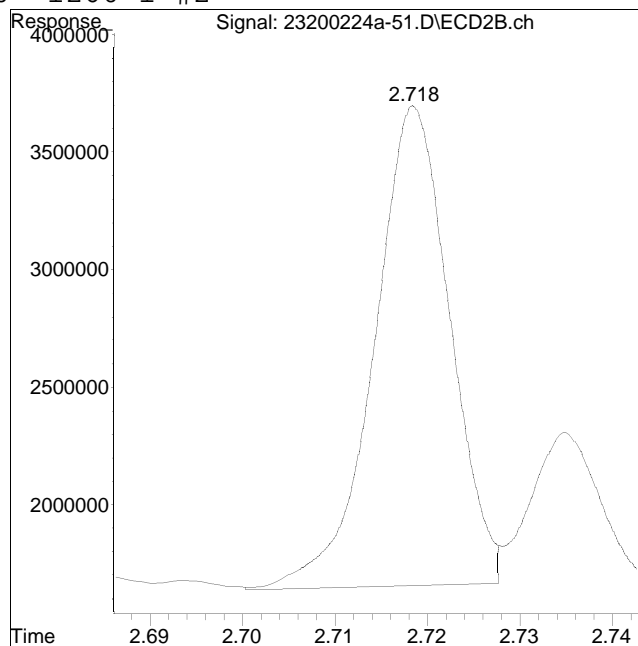
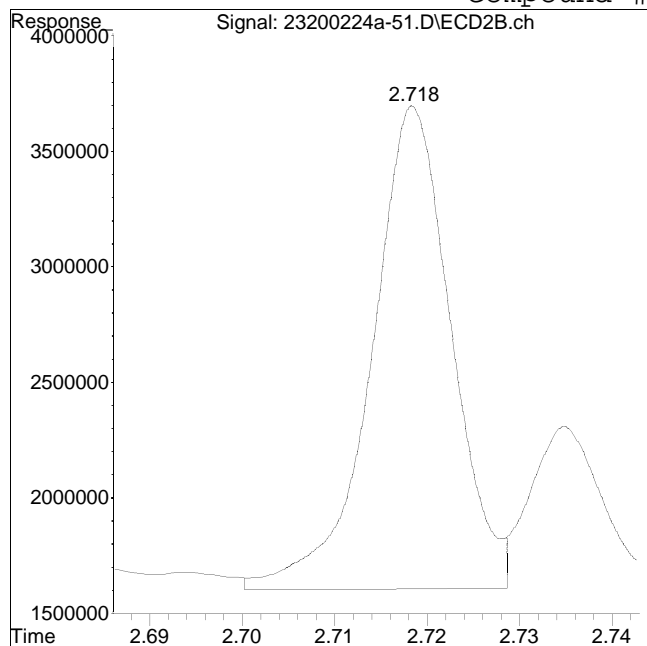
Manual Peak Response = 34037254 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-51.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:30 pm Instrument : Pest 23
Sample : 12007690-04,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #60: 1260-1 #2



Original Peak Response = 12472086

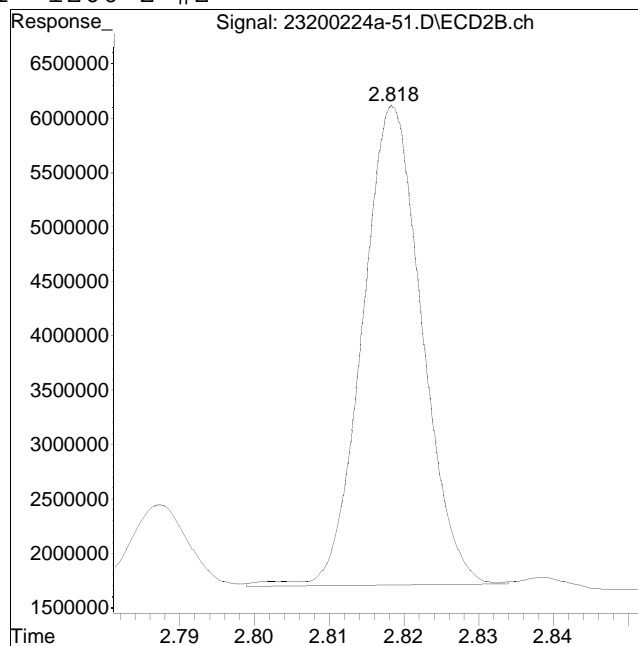
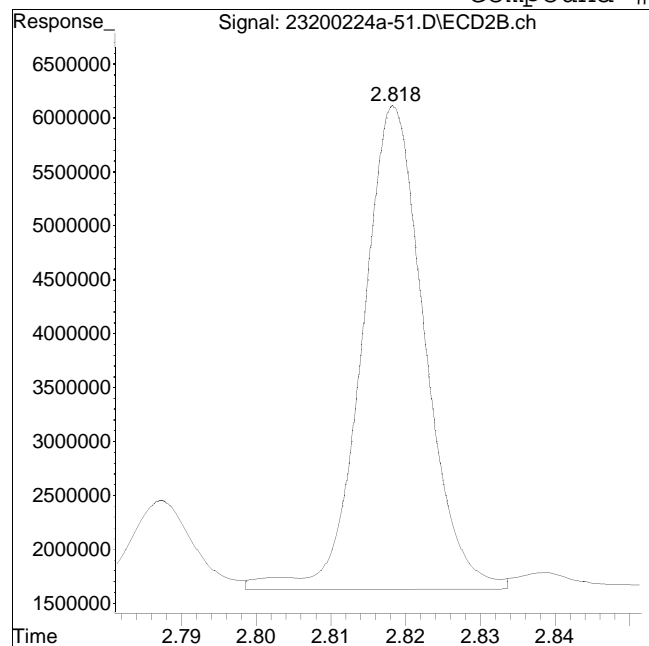
Manual Peak Response = 11613201 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-51.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:30 pm Instrument : Pest 23
Sample : 12007690-04,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #61: 1260-2 #2



Original Peak Response = 25977310

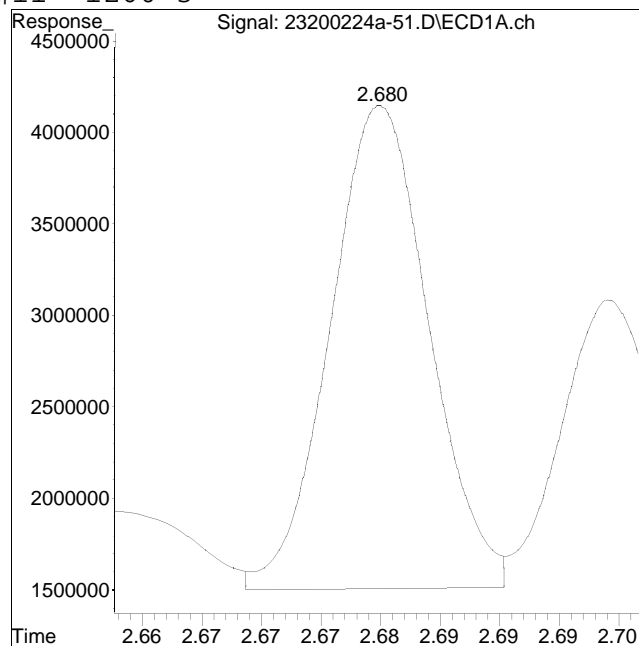
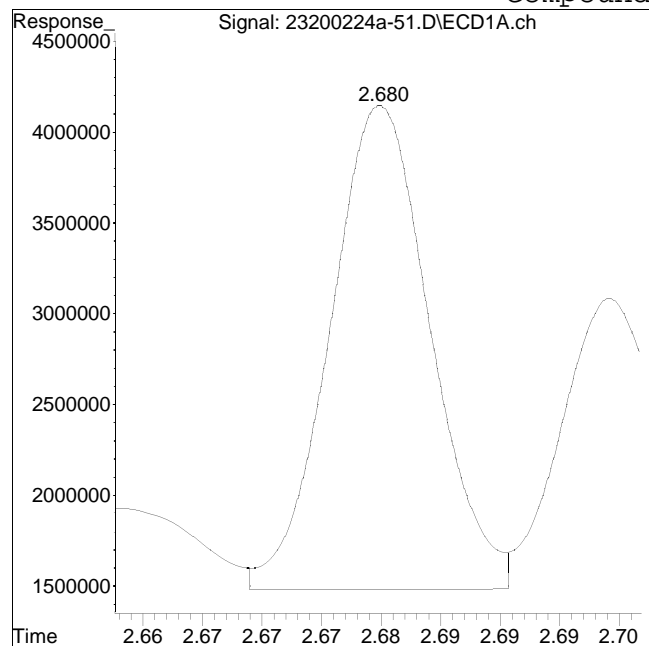
Manual Peak Response = 24391864 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-51.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:30 pm Instrument : Pest 23
Sample : 12007690-04,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #11: 1260-3



Original Peak Response = 15550136

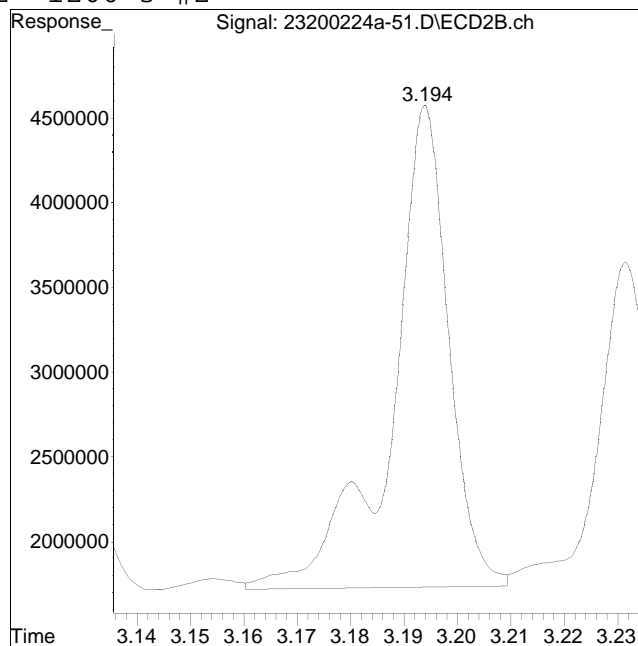
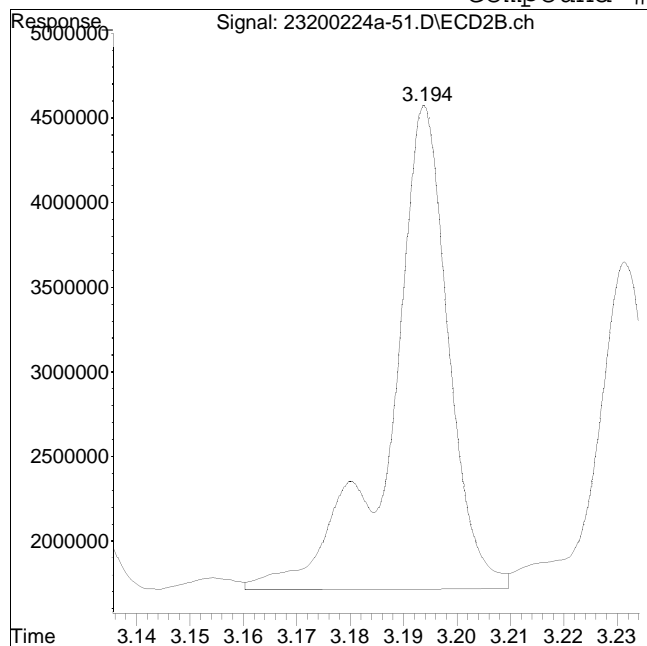
Manual Peak Response = 15226683 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-51.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:30 pm Instrument : Pest 23
Sample : 12007690-04,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #62: 1260-3 #2



Original Peak Response = 21605312

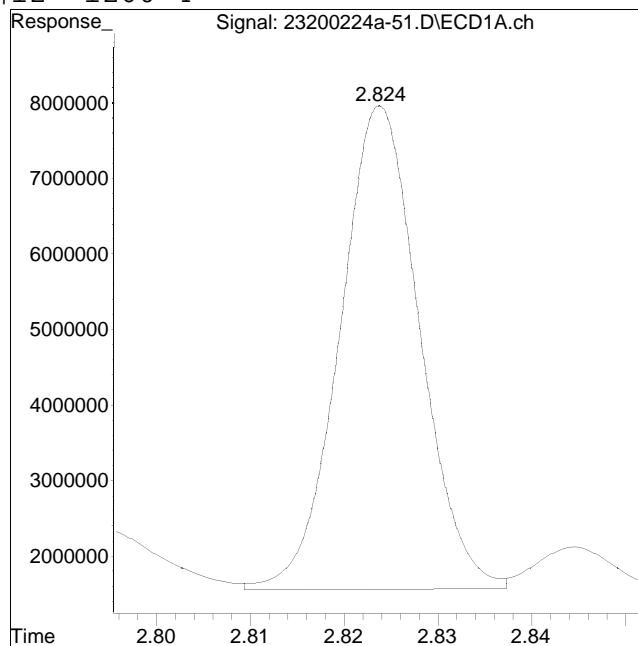
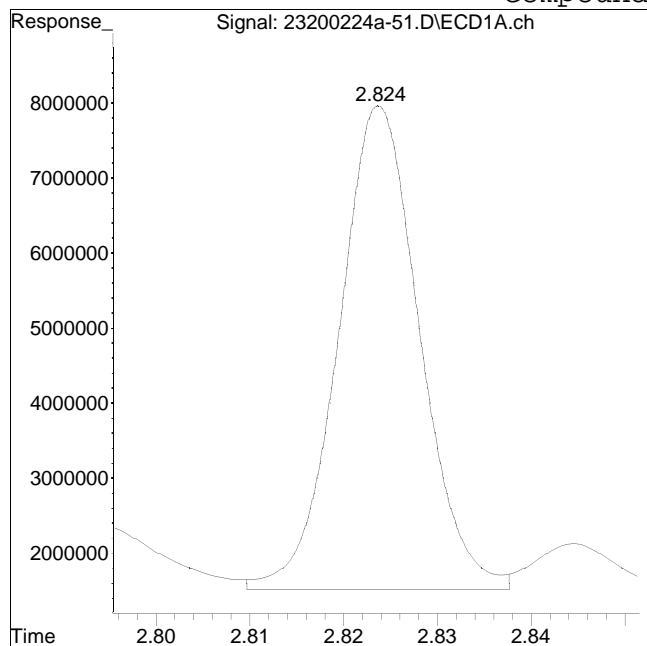
Manual Peak Response = 21167898 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-51.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:30 pm Instrument : Pest 23
Sample : 12007690-04,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #12: 1260-4



Original Peak Response = 38579307

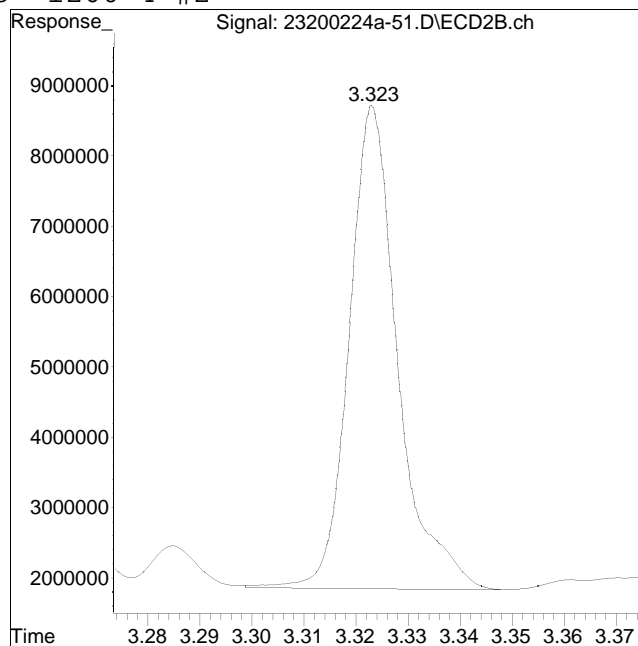
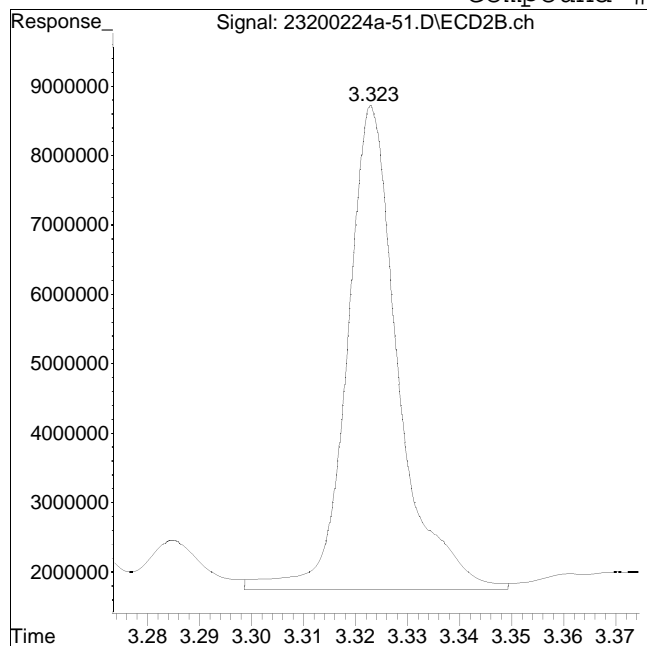
Manual Peak Response = 37736725 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-51.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:30 pm Instrument : Pest 23
Sample : 12007690-04,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #63: 1260-4 #2



Original Peak Response = 47552693

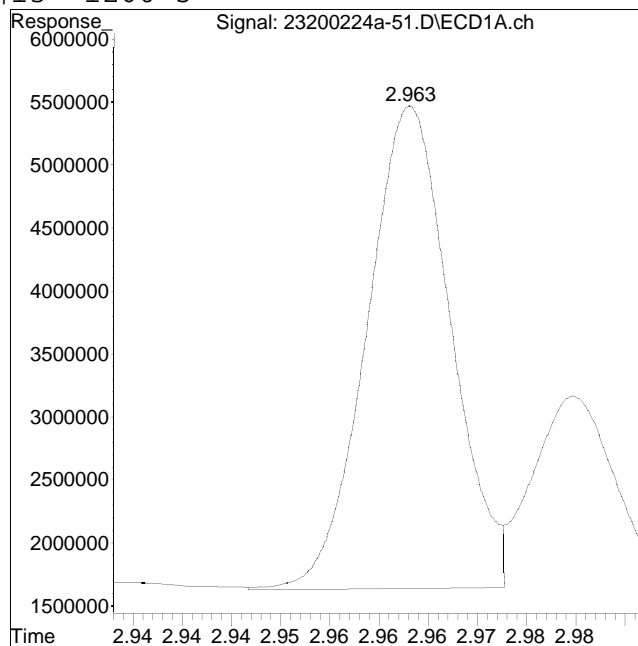
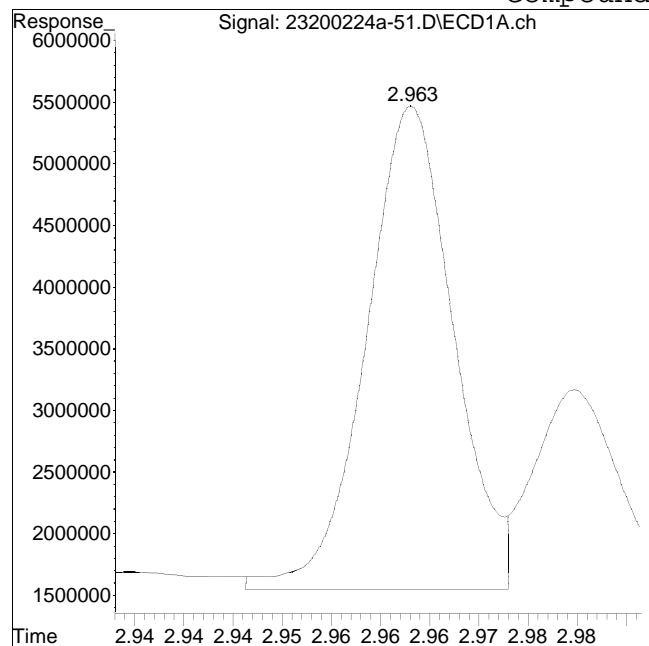
Manual Peak Response = 44608887 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-51.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:30 pm Instrument : Pest 23
Sample : 12007690-04,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #13: 1260-5



Original Peak Response = 24172083

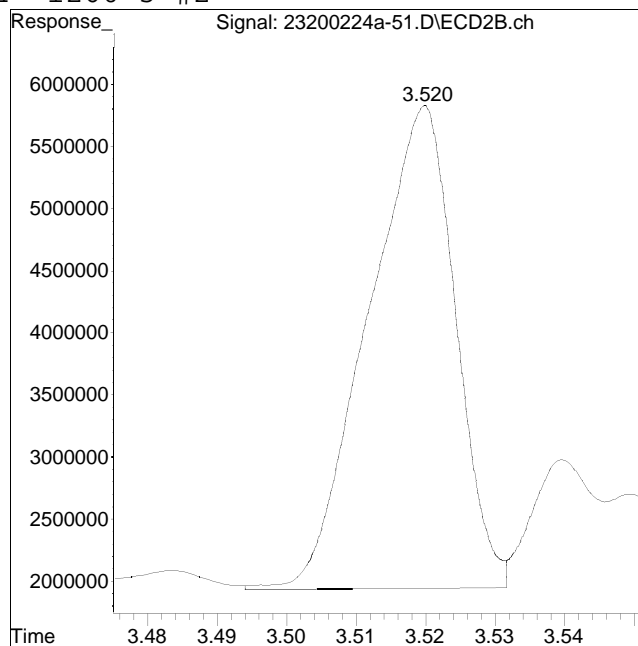
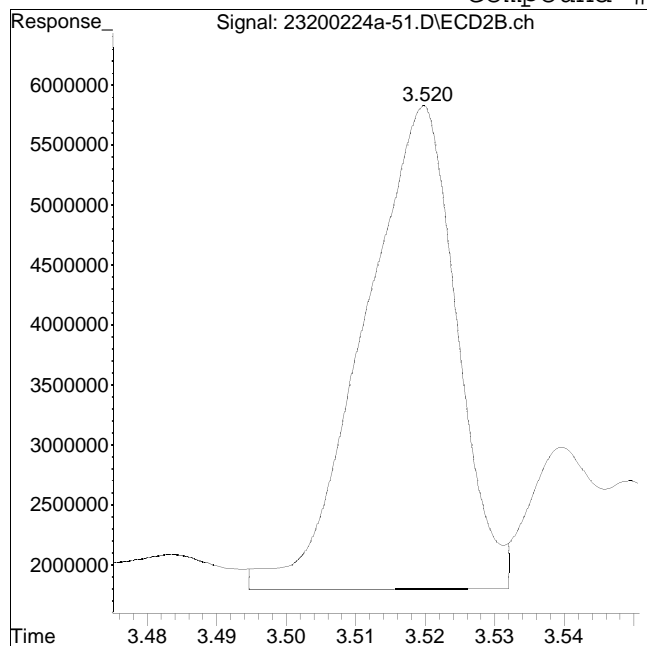
Manual Peak Response = 22774828 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-51.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:30 pm Instrument : Pest 23
Sample : 12007690-04,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #64: 1260-5 #2



Original Peak Response = 36947564

Manual Peak Response = 33806112 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-52.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:37 pm
 Operator : pest23:cw
 Sample : 12007690-05,42e,,
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:52:38 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.018	23849614	27395040	250.000	250.000
Standard Area 1 : #1 = 22244458					Recovery =	107.22%
Standard Area 1 : #2 = 25501975					Recovery =	107.42%
14) i 2154_1br2nb	0.924	1.018	23849614	27395040	250.000	250.000
23) i 4268_1br2nb	0.924	1.018	23849614	27395040	250.000	250.000
34) i 1248_1br2nb	0.924	1.018	23849614	27395040	250.000	250.000
40) i 3262_1br2nb	0.924	1.018	23849614	27395040	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.359	35178681	40488808	241.299	267.411
Spiked Amount 500.000	Range 30 - 150				Recovery =	48.26%
3) s Decachlorobi	3.526	4.158	28669944	30864325	286.064	225.870
Spiked Amount 500.000	Range 30 - 150				Recovery =	57.21%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.270	2.719	2202887	2643674	305.273M4	314.559
10) l2 1260-2	2.388	2.819	6330806	6036789	574.624	608.579
11) l2 1260-3	2.680	3.194	4419344	4685323	647.752	555.641M4
12) l2 1260-4	2.824	3.324	9906171	11847342	678.815	682.917M4
13) l2 1260-5	2.963	3.520	6794531	9446102	873.414M1	768.565
Sum 1260-1			29653738	34659230	3079.878	2930.260
Average 1260-1					615.976	586.052

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-52.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:37 pm
 Operator : pest23:cw
 Sample : 12007690-05,42e,,
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:52:38 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-52.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:37 pm
 Operator : pest23:cw
 Sample : 12007690-05,42e,,
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:52:38 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-52.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 10:37 pm
 Operator : pest23:cw
 Sample : 12007690-05,42e,,
 Misc : wgl1343753,wgl1343647,ical16474
 ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:52:38 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

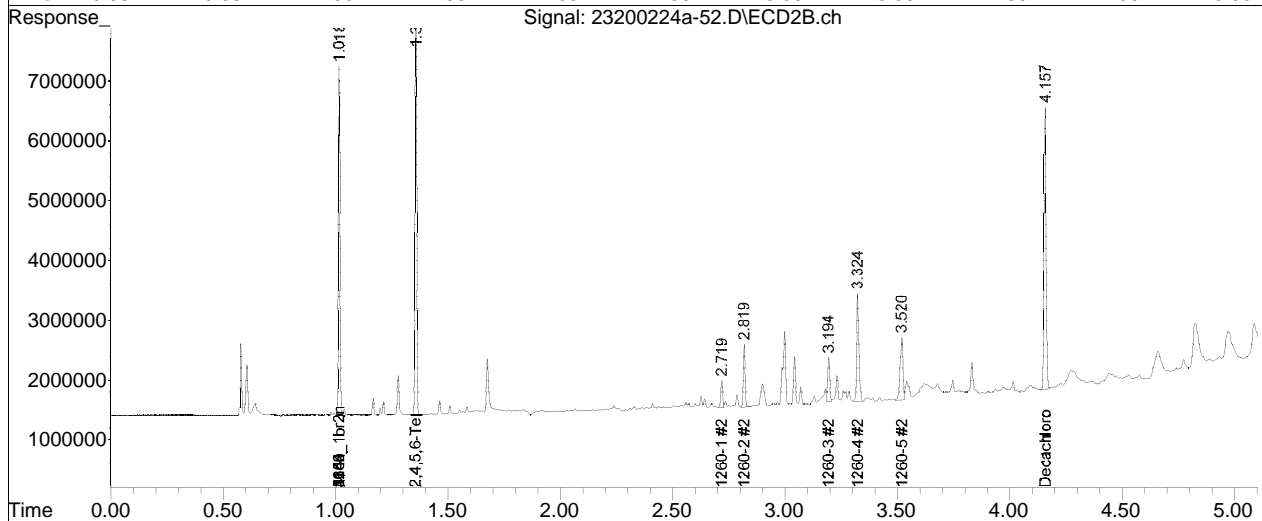
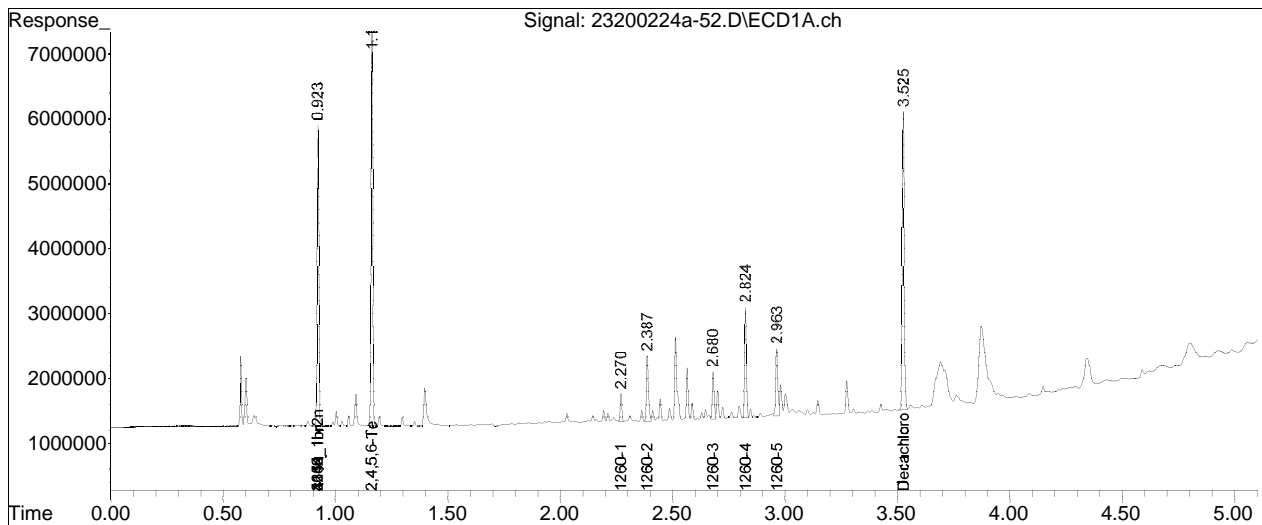
Sub List : Default - All compounds listed24a\23200224a-44.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-52.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 10:37 pm
Operator : pest23:cw
Sample : 12007690-05,42e,,
Misc : wg1343753,wg1343647,ical16474
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 13:52:38 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

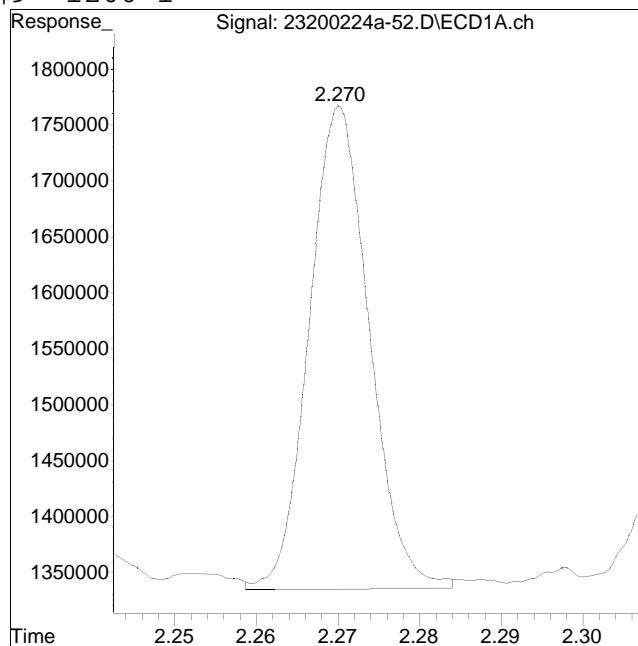
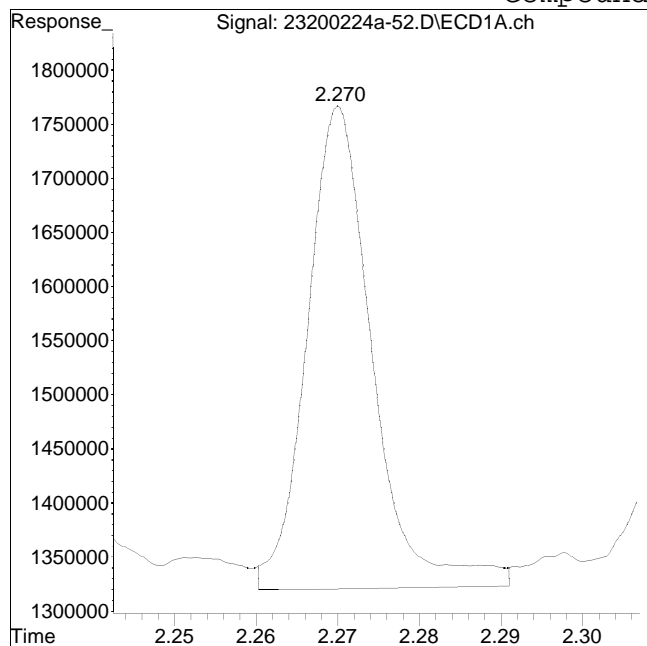
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-52.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:37 pm Instrument : Pest 23
Sample : 12007690-05,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #9: 1260-1



Original Peak Response = 2468459

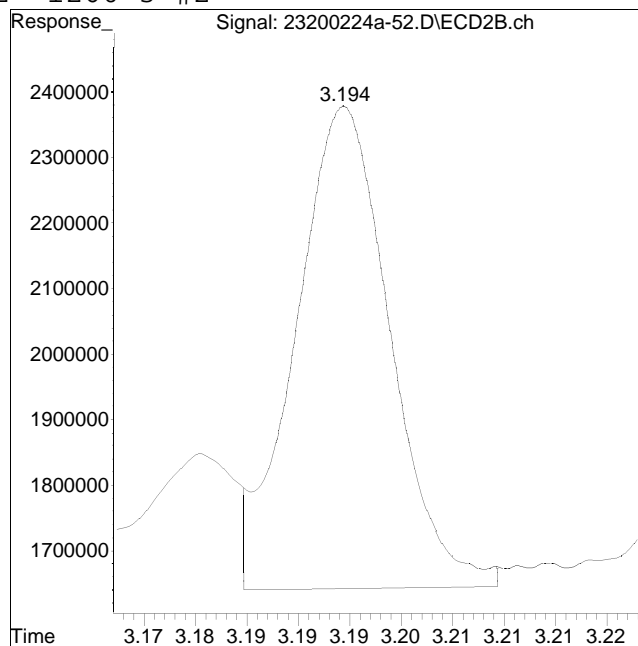
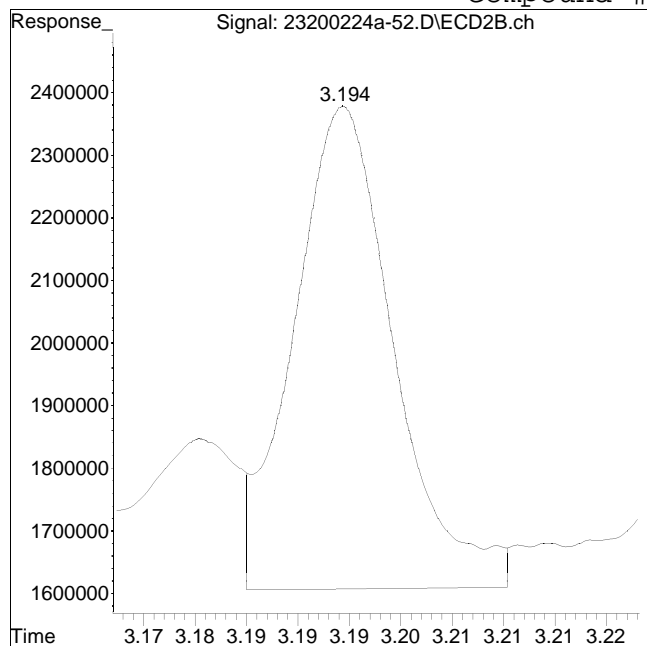
Manual Peak Response = 2202887 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-52.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:37 pm Instrument : Pest 23
Sample : 12007690-05,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #62: 1260-3 #2



Original Peak Response = 5246535

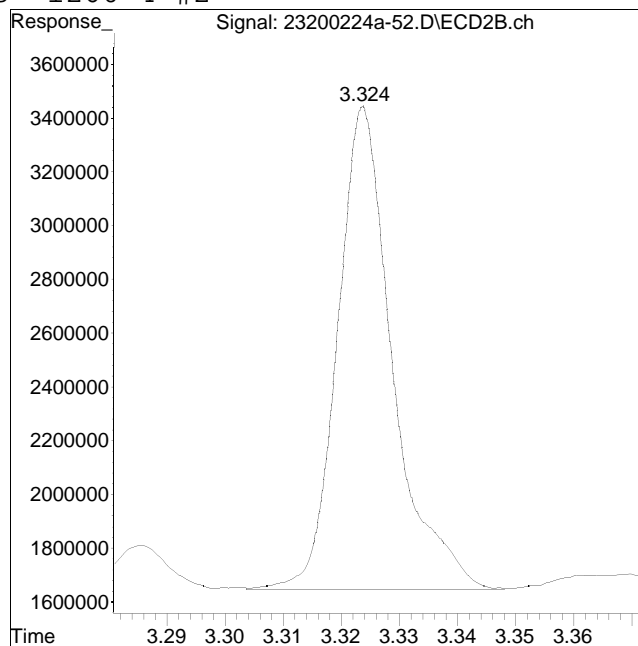
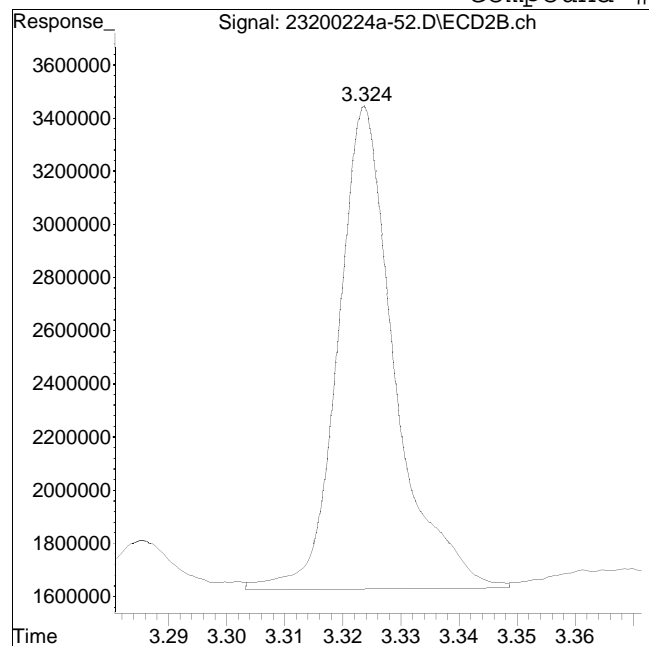
Manual Peak Response = 4685323 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-52.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:37 pm Instrument : Pest 23
Sample : 12007690-05,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #63: 1260-4 #2



Original Peak Response = 12309236

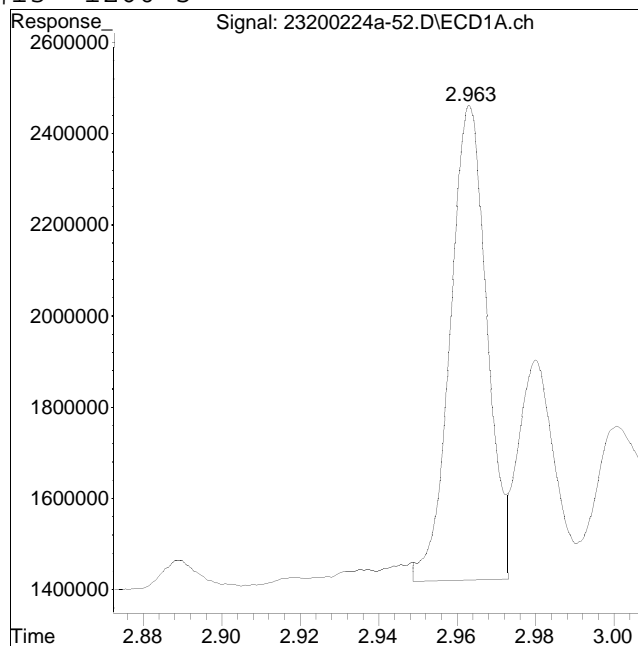
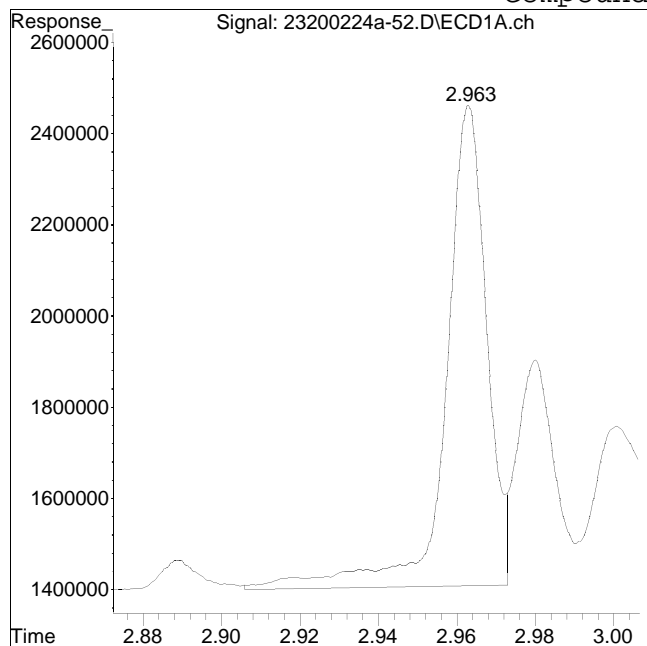
Manual Peak Response = 11847342 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-52.D Operator : pest23:cw
Date Inj'd : 2/24/2020 10:37 pm Instrument : Pest 23
Sample : 12007690-05,42e,, Quant Date : 2/26/2020 1:44 pm

Compound #13: 1260-5



Original Peak Response = 7625765

Manual Peak Response = 6794531 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-62.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:45 pm
 Operator : pest23:aws
 Sample : wg1343647-1,42e,,
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 13:36:21 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
Standard Area 1 : #1 = 22244458					Recovery =	103.87%
Standard Area 1 : #2 = 25501975					Recovery =	102.70%
14) i 2154_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
23) i 4268_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
34) i 1248_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
40) i 3262_1br2nb	0.923	1.018	23106182	26191253	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.163	1.358	47092069	53612210	333.409	370.359
Spiked Amount 500.000	Range 30 - 150				Recovery =	66.68%
74.07%						
3) s Decachlorobi	3.525	4.152	40064077	43652980	417.869	334.142
Spiked Amount 500.000	Range 30 - 150				Recovery =	83.57%
66.83%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-62.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:45 pm
 Operator : pest23:aws
 Sample : wg1343647-1,42e,,
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 13:36:21 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-62.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:45 pm
 Operator : pest23:aws
 Sample : wg1343647-1,42e,,
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 13:36:21 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

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 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200224a\
 Data File : 23200224a-62.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Feb 2020 11:45 pm
 Operator : pest23:aws
 Sample : wg1343647-1,42e,,
 Misc : wg1343753,wg1343647,ical16474
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 13:36:21 2020
 Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 12:36:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200224a\23200224a-44.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

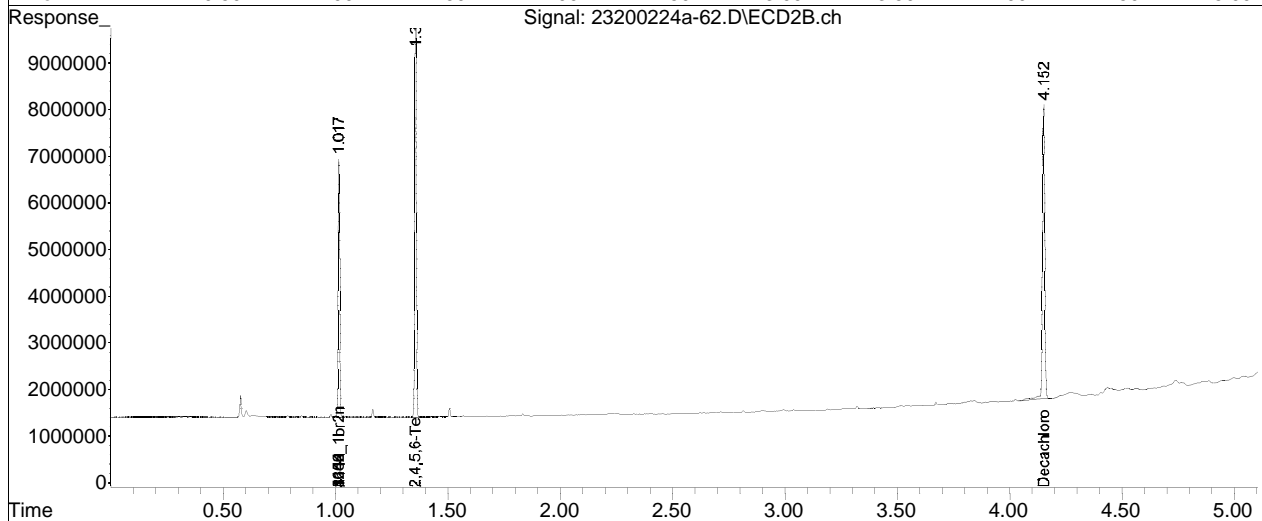
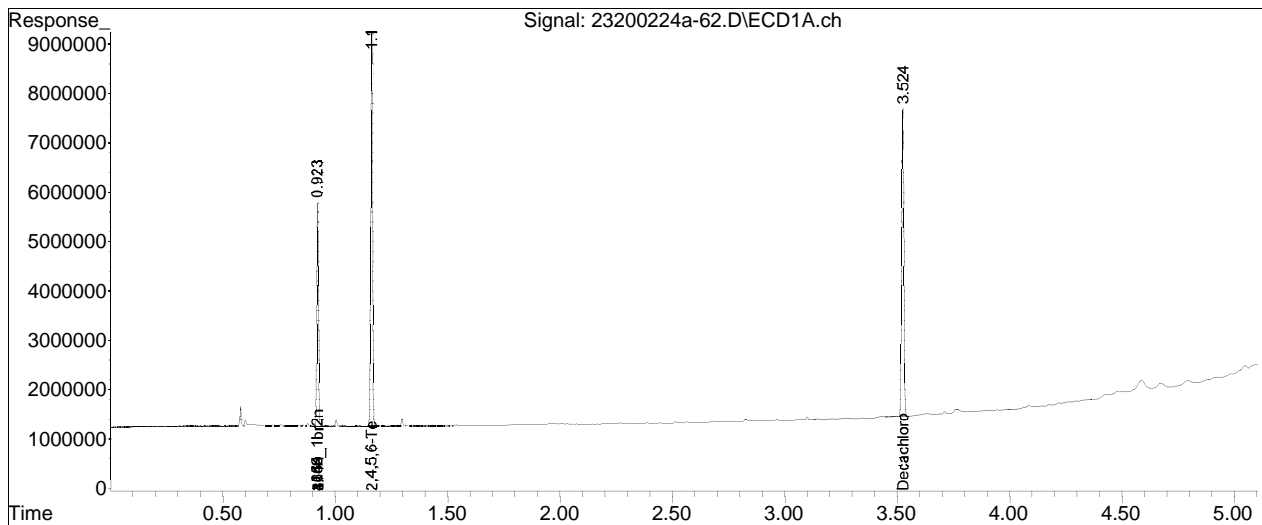
Sub List : Default - All compounds listed24a\23200224a-44.D••

Data Path : I:\Pest23\data\2020\23200224a\
Data File : 23200224a-62.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2020 11:45 pm
Operator : pest23:aws
Sample : wg1343647-1,42e,,
Misc : wg1343753,wg1343647,ical16474
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 13:36:21 2020
Quant Method : I:\Pest23\data\2020\23200224a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Tue Feb 25 12:36:00 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200224a-62.D Operator : pest23:aws
Date Inj'd : 2/24/2020 11:45 pm Instrument : Pest 23
Sample : wg1343647-1,42e,, Quant Date : 2/25/2020 1:02 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-27.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:10 pm
 Operator : pest7:cw
 Sample : wgl1345844-1,42e,,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:40:10 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.890	1.939	506.1E6	397.7E6	250.000	250.000
Standard Area 1 : #1 = 453929813					Recovery =	111.49%
Standard Area 1 : #2 = 353397607					Recovery =	112.54%
14) i 2154_1br2nb	1.890	1.939	506.1E6	397.7E6	250.000	250.000
23) i 4268_1br2nb	1.890	1.939	506.1E6	397.7E6	250.000	250.000
34) i 1248_1br2nb	1.890	1.939	506.1E6	397.7E6	250.000	250.000
40) i 3262_1br2nb	1.890	1.939	506.1E6	397.7E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.317	2.455	876.8E6	706.4E6	352.125	367.159
Spiked Amount 500.000	Range 30 - 150				Recovery =	70.43%
73.43%						
3) s Decachlorobi	6.214	6.624	545.8E6	421.7E6	330.200	364.669M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	66.04%
72.93%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-27.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:10 pm
 Operator : pest7:cw
 Sample : wg1345844-1,42e,,
 Misc : wg1345889,wg1345844,ical15997
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:40:10 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-27.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:10 pm
 Operator : pest7:cw
 Sample : wg1345844-1,42e,,
 Misc : wg1345889,wg1345844,ical15997
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:40:10 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

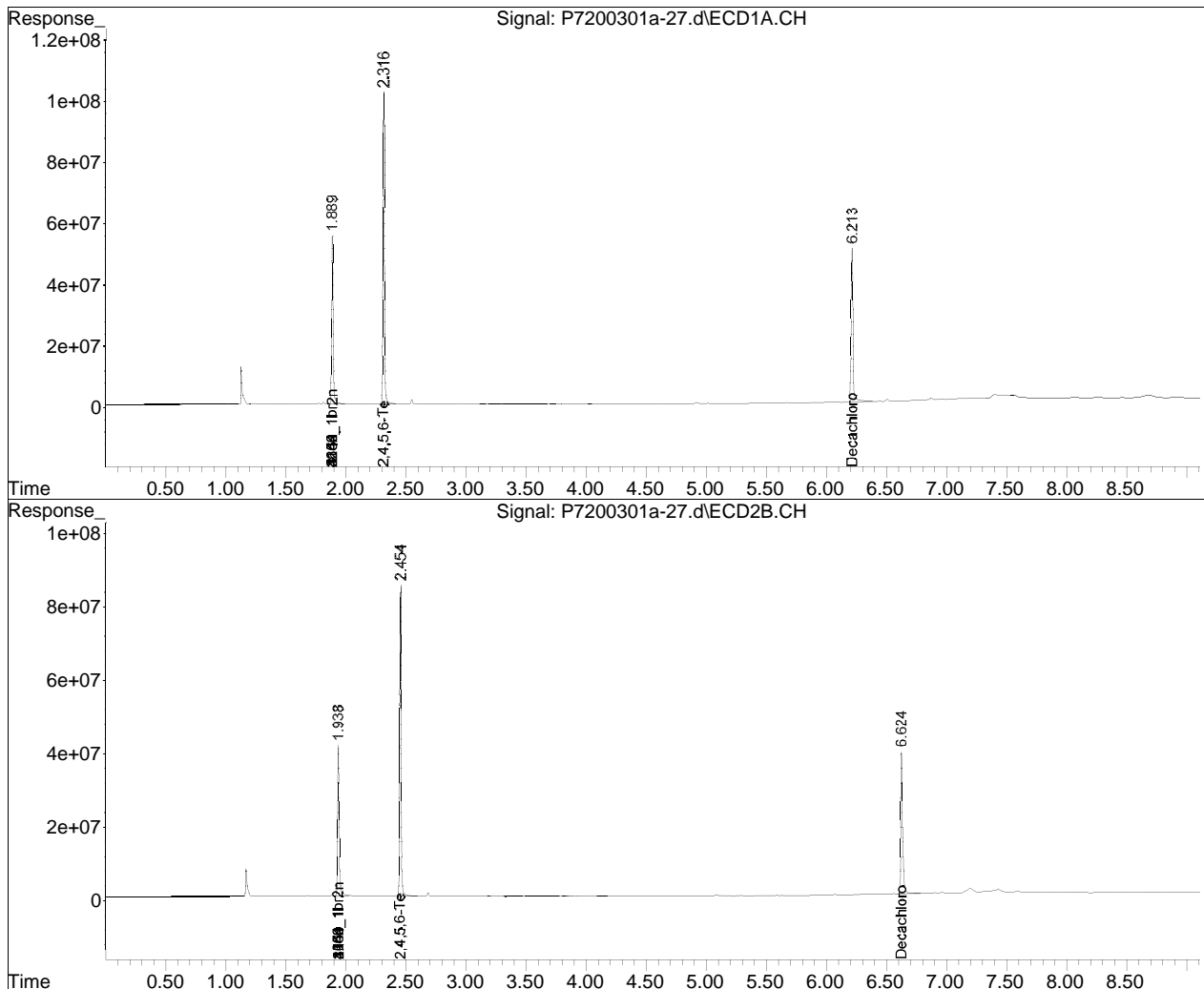
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Mar 2020 10:10 pm
Operator : pest7:cw
Sample : wg1345844-1,42e,,
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 16:40:10 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

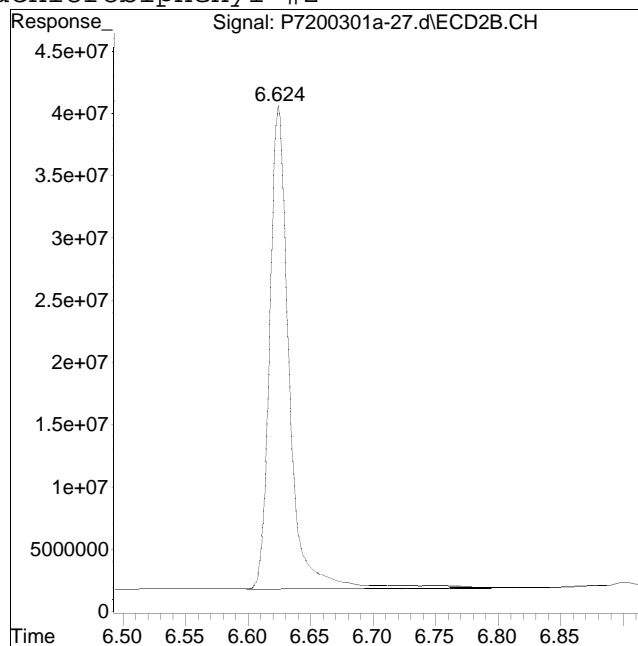
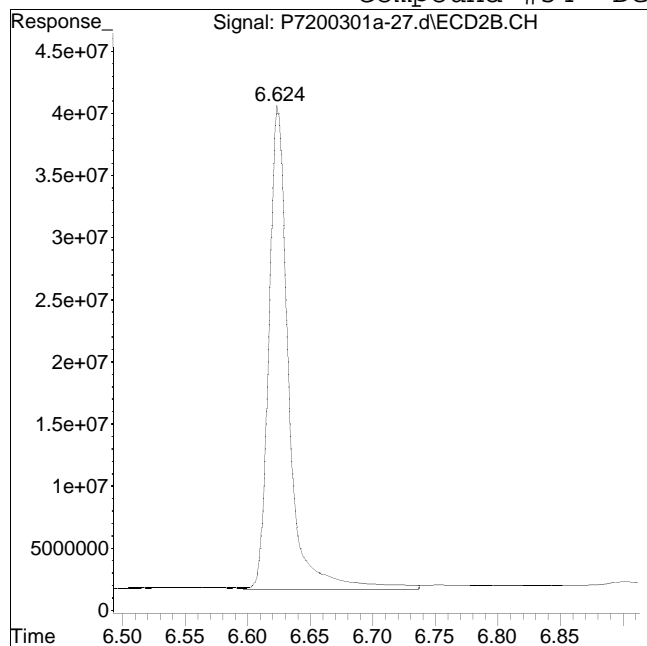


Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-27.d
Date Inj'd : 3/1/2020 10:10 pm
Sample : wg1345844-1,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 432240530

Manual Peak Response = 421698679 M4

M4 = Poor automated baseline construction.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007690-01	Date Collected : 02/20/20 13:03
Client ID : E-116-0.5-1.0	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 65
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	65.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007690-02	Date Collected : 02/20/20 13:10
Client ID : E-116-2.0-2.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 74
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	73.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007690-04	Date Collected : 02/20/20 13:34
Client ID : E-113-0.5-1.0	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007690
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007690-05	Date Collected : 02/20/20 13:37
Client ID : E-113-2.0-2.5	Date Received : 02/20/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/21/20 13:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343180.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.2	0.100	NA	





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Lab Number: L2007956

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0007.03

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0007.03		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2007956		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/21/2020		Date of Last Sample Receipt: 02/21/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-115-0.5-1.0	L2007956-01	AMTRAK-EAST BARRACKS	02/21/2020 09:00
E-115-2.0-2.5	L2007956-02	AMTRAK-EAST BARRACKS	02/21/2020 09:06
E-115-4.0-4.5	L2007956-03	AMTRAK-EAST BARRACKS	02/21/2020 09:12
E-114-0.5-1.0	L2007956-04	AMTRAK-EAST BARRACKS	02/21/2020 09:30
E-114-3.0-3.5	L2007956-05	AMTRAK-EAST BARRACKS	02/21/2020 09:36
E-112-0.5-1.0	L2007956-06	AMTRAK-EAST BARRACKS	02/21/2020 10:10
E-112-3.0-3.5	L2007956-07	AMTRAK-EAST BARRACKS	02/21/2020 10:29
E-111-0.5-1.0	L2007956-08	AMTRAK-EAST BARRACKS	02/21/2020 11:16
E-111-4.0-4.5	L2007956-09	AMTRAK-EAST BARRACKS	02/21/2020 11:27
E-111-5.0-5.5	L2007956-10	AMTRAK-EAST BARRACKS	02/21/2020 11:50
E-110-0.5-1.0	L2007956-11	AMTRAK-EAST BARRACKS	02/21/2020 12:14
E-110-3.0-3.5	L2007956-12	AMTRAK-EAST BARRACKS	02/21/2020 12:20
E-110-4.0-4.5	L2007956-13	AMTRAK-EAST BARRACKS	02/21/2020 12:27
E-99-0.5-1.0	L2007956-14	AMTRAK-EAST BARRACKS	02/21/2020 13:29
E-99-3.0-3.5	L2007956-15	AMTRAK-EAST BARRACKS	02/21/2020 14:13
E-97-0.5-1.0	L2007956-16	AMTRAK-EAST BARRACKS	02/21/2020 12:55
E-97-3.0-3.5	L2007956-17	AMTRAK-EAST BARRACKS	02/21/2020 13:18
EB-11-02212020	L2007956-18	AMTRAK-EAST BARRACKS	02/21/2020 13:00
X-10-02212020	L2007956-19	AMTRAK-EAST BARRACKS	02/21/2020 00:00

Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0007.03	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2007956	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/21/2020	Date of Last Sample Receipt: 02/21/2020

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.


Technical Director/Representative (Typed) Kelly Stenstrom	03/06/20
Technical Director/Representative (Signature)  Kelly Stenstrom	

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E-99-0.5-1.0 (L2007956-14D) Analyzed: 02/25/20 22:26 Chan. A&B	175
E-110-4.0-4.5 (L2007956-13) Analyzed: 03/03/20 15:26 Chan. A&B	181
EB-11-02212020 (L2007956-18) Analyzed: 02/24/20 15:05 Chan. A&B	186
E-115-2.0-2.5 (L2007956-02) Analyzed: 02/24/20 22:58 Chan. A&B	191
E-114-0.5-1.0 (L2007956-04) Analyzed: 02/24/20 23:10 Chan. A&B	212
E-114-3.0-3.5 (L2007956-05) Analyzed: 02/24/20 23:22 Chan. A&B	218
E-112-0.5-1.0 (L2007956-06) Analyzed: 02/24/20 23:34 Chan. A&B	227
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Chain of Custody





**NEW JERSEY
CHAIN OF
CUSTODY**

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3268

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1
of 2

Date Rec'd
In Lab 2/21/20

ALPHA Job #
L2007956

Client Information

Client: WOOD E & S
Address: 285 DAVIDSON AVE SUITE 405
SOMERSET NJ 08873
Phone: 1-732-302-9500
Fax:
Email: MARLENE.LINDHARDT@WOODPLC.COM

Project Information

Project Name: AMTRAK - EAST BARRACKS
Project Location: TRENTON, NJ
Project # 2777105128.0007-03
(Use Project name as Project #)
Project Manager: MARLENE LINDHARDT
ALPHAQuote #:
Turn-Around Time
Standard Due Date:
Rush (only if pre approved) # of Days:

Deliverables

NJ Full / Reduced
 EQUIS (1 File) EQUIS (4 File)
 Other

Billing Information

Same as Client Info
PO #

Regulatory Requirement

SRS Residential/Non Residential
 SRS Impact to Groundwater
 NJ Ground Water Quality Standards
 NJ IGW SPLP Leachate Criteria
 Other

Site Information

Is this site impacted by Petroleum? Yes
Petroleum Product:

Other project specific requirements/comments:

H = HOLD ANALYSIS
Please specify Metals or TAL.

ANALYSIS

Sample ID	Collection		Sample Matrix	Sampler's Initials	Notes
	Date	Time			
07956-01	E-115-0.5-1.0	02-21-2020 0900	Soil	NDF	X
-02	E-115-2.0-2.5	02-21-2020 0906	Soil	NDF	X
-03	E-115-4.0-4.5	02-21-2020 0912	Soil	NDF	H
-04	E-114-0.5-1.0	02-21-2020 0930	Soil	NDF	X
-05	E-114-3.0-3.5	02-21-2020 0936	Soil	NDF	X
-06	E-112-0.5-1.00	02-21-2020 1010	Soil	NDF	X
-07	E-112-3.0-3.5	02-21-2020 1029	Soil	NDF	X
-08	E-111-1.0-1.5	02-21-2020 1116	Soil	NDF	X
-09	E-111-4.0-4.5	02-21-2020 1127	Soil	NDF	X
-10	E-111-5.0-5.5	02-21-2020 1150	Soil	NDF	X

Sample Filtration

Done
 Lab to do
Preservation
 Lab to do

(Please Specify below)

For EPH, selection is REQUIRED:

Category 1
 Category 2

For VOC, selection is REQUIRED:

1,4-Dioxane
 B011

Preservative Code:
A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type A
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	<u>2-21-20 1507</u>	<u>[Signature]</u>	<u>2/21/20 1507</u>
<u>[Signature]</u>	<u>2/21/20 1815</u>	<u>[Signature]</u>	<u>2/21/20 20:00</u>
<u>[Signature]</u>	<u>2/21/20 23:30</u>	<u>[Signature]</u>	<u>2/21/20 23:41</u>

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)



NEW JERSEY CHAIN OF CUSTODY

Westborough, MA 01581
6 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forties Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2
of 2

Date Rec'd in Lab 2/21/20

ALPHA Job # 22007956

Project Information		Deliverables		Billing Information	
Project Name: <u>AMTRAK - EAST BARRACKS</u>		<input checked="" type="checkbox"/> NJ Full / <u>Reduced</u>		<input type="checkbox"/> Same as Client Info	
Project Location: <u>TRENTON NJ</u>		<input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)		PO #	
Project # <u>277710568.0007.03</u>		<input type="checkbox"/> Other			
(Use Project name as Project #) <input type="checkbox"/>		Regulatory Requirement		Site Information	
Project Manager: <u>MARLENE LINDHARDT</u>		<input checked="" type="checkbox"/> SRS Residential/Non Residential		Is this site impacted by Petroleum? Yes <input type="checkbox"/>	
ALPHAQuote #:		<input checked="" type="checkbox"/> SRS Impact to Groundwater		Petroleum Product:	
Turn-Around Time		<input type="checkbox"/> NJ Ground Water Quality Standards			
Standard <input checked="" type="checkbox"/>		<input type="checkbox"/> NJ IGW SPLP Leachate Criteria			
Rush (only if pre approved) <input type="checkbox"/>		<input type="checkbox"/> Other			
Due Date:					
# of Days:					

Client Information

Client: WOOD E & IS

Address: See pg 1

Phone:

Fax:

Email:

These samples have been previously analyzed by Alpha

For EPH, selection is REQUIRED:

Category 1
 Category 2

For VOC, selection is REQUIRED:

1,4-Dioxane
 8011

Other project specific requirements/comments:

H = Hard Analysis
Please specify Metals or TAL.

ANALYSIS										Sample Filtration	
										<input type="checkbox"/> Done	T O B I D I E
										<input type="checkbox"/> Lab to do	
										<input type="checkbox"/> Lab to do	
										(Please Specify below)	
										Sample Specific Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	VOC	EPH	M	D	P	S	T	B	I	D	I	E	
		Date	Time															
<u>07956-11</u>	<u>E-110-0.5-1.0</u>	<u>2-21-20</u>	<u>1214</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-12</u>	<u>E-110-3.0-3.5</u>	<u>2-21-20</u>	<u>1220</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-13</u>	<u>E-110-4.0-4.5</u>	<u>2-21-20</u>	<u>1227</u>	<u>SOIL</u>	<u>NDF</u>	<u>H</u>												
<u>-14</u>	<u>E-99-0.5-1.0</u>	<u>2-21-20</u>	<u>1329</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-15</u>	<u>E-99-3.0-3.5</u>	<u>2-21-20</u>	<u>1413</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-16</u>	<u>E-97-0.5-1.0</u>	<u>2-21-20</u>	<u>1255</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-17</u>	<u>E-97-3.0-3.5</u>	<u>2-21-20</u>	<u>1318</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-18</u>	<u>EB-11-02212020</u>	<u>2-21-20</u>	<u>1300</u>	<u>WATER</u>	<u>NDF</u>	<u>X</u>												
<u>-19</u>	<u>X-10-02212020</u>	<u>2-21-20</u>	<u>-</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-20</u>																		

- Preservative Code:**
- A = None
 - B = HCl
 - C = HNO₃
 - D = H₂SO₄
 - E = NaOH
 - F = MeOH
 - G = NaHSO₄
 - H = Na₂S₂O₃
 - K/E = Zn Ac/NaOH
 - O = Other
- Container Code:**
- P = Plastic
 - A = Amber Glass
 - V = Vial
 - G = Glass
 - B = Bacteria Cup
 - C = Cube
 - O = Other
 - E = Encore
 - D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type: A

Preservative:

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	<u>2-21-20 1507</u>	<u>[Signature]</u>	<u>2/21/20 1507</u>
<u>[Signature]</u>	<u>2/21/20 1815</u>	<u>[Signature]</u>	<u>2/21/20 20:00</u>
<u>[Signature]</u>	<u>2/21/20 23:30</u>	<u>[Signature]</u>	<u>2/21/20 23:30</u>

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 06 2020, 06:27 pm

Login Number: L2007956

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0007.03

Received: 21FEB20 Due Date: 06MAR20

Sample #	Client ID	Mat PR Collected
L2007956-01	E-115-0.5-1.0	3 S0 21FEB20 09:00
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 03/06/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2007956-02	E-115-2.0-2.5	3 S0 21FEB20 09:06
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/06/20		
NJ-8082,TS		
L2007956-03	E-115-4.0-4.5	3 S0 21FEB20 09:12
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/06/20		
HOLD-8082,HOLD-CONTINGENCY		
L2007956-04	E-114-0.5-1.0	3 S0 21FEB20 09:30
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/06/20		
NJ-8082,TS		
L2007956-05	E-114-3.0-3.5	3 S0 21FEB20 09:36
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/06/20		
NJ-8082,TS		
L2007956-06	E-112-0.5-1.0	3 S0 21FEB20 10:10
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/06/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 06 2020, 06:27 pm

Login Number: L2007956

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0007.03

Received: 21FEB20 Due Date: 06MAR20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2007956-07 E-112-3.0-3.5 3 S0 21FEB20 10:29

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/06/20

NJ-8082,TS

L2007956-08 E-111-0.5-1.0 3 S0 21FEB20 11:16

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/06/20

NJ-8082,TS

L2007956-09 E-111-4.0-4.5 3 S0 21FEB20 11:27

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/06/20

NJ-8082,TS

L2007956-10 E-111-5.0-5.5 3 S0 21FEB20 11:50

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/06/20

NJ-8082,TS

L2007956-11 E-110-0.5-1.0 3 S0 21FEB20 12:14

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/06/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 06 2020, 06:27 pm

Login Number: L2007956

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0007.03

Received: 21FEB20 Due Date: 06MAR20

Sample #	Client ID	Mat PR Collected
L2007956-12	E-110-3.0-3.5	3 S0 21FEB20 12:20
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/06/20		
NJ-8082,TS		
L2007956-13	E-110-4.0-4.5	3 S0 21FEB20 12:27
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/06/20		
NJ-8082,TS		
L2007956-14	E-99-0.5-1.0	3 S0 21FEB20 13:29
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/06/20		
NJ-8082,TS		
L2007956-15	E-99-3.0-3.5	3 S0 21FEB20 14:13
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/06/20		
NJ-8082,TS		
L2007956-16	E-97-0.5-1.0	3 S0 21FEB20 12:55
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/06/20		
NJ-8082,TS		
L2007956-17	E-97-3.0-3.5	3 S0 21FEB20 13:18
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/06/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 06 2020, 06:27 pm

Login Number: L2007956

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0007.03

Received: 21FEB20 Due Date: 06MAR20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2007956-18 EB-11-02212020 1 S0 21FEB20 13:00

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/06/20

NJ-8082-LVI

L2007956-19 X-10-02212020 3 S0 21FEB20 00:00

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/06/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007956-01A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-01A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-01A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-01A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-01A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007956-01A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-01A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-02A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-02A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-02A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-02A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-02A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007956-02A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-02A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-03A	Glass-A.25	INTACT	22-FEB-20		CUSTODY	Brittney Kelley	W19-S3-C CUSTODY	W19-S3-C CUSTODY	Brittney Kelley
L2007956-03A	Glass-A.25	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-04A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-04A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-04A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-04A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-04A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007956-04A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-04A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-05A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-05A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007956-05A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-05A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-05A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007956-05A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-05A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-06A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-06A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-06A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-06A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-06A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007956-06A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-06A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-07A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-07A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-07A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-07A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-07A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007956-07A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-07A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-08A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-08A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-08A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-08A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-08A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007956-08A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007956-08A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-09A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-09A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-09A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-09A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-09A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007956-09A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-09A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-10A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-10A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-10A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-10A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-10A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007956-10A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-10A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-11A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-11A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-11A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-11A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-11A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007956-11A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-11A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-12A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-12A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-12A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007956-12A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W17-S6-B	CUSTODY	W17-S6-B CUSTODY Brittney Kelley
L2007956-12A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007956-12A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-12A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-13A	Glass-A.25	INTACT	02-MAR-20		RETURN WALK-IN	CUSTODY Riley Frankian	W4-S3-C	CUSTODY	W4-S3-C CUSTODY Riley Frankian
L2007956-13A	Glass-A.25	INTACT	02-MAR-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Tian-long Chheou
L2007956-13A	Glass-A.25	INTACT	02-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-13A	Glass-A.25	INTACT	02-MAR-20		W19-S3-C	CUSTODY Phillip Renaud	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Phillip Renaud
L2007956-13A	Glass-A.25	INTACT	22-FEB-20		CUSTODY	Brittney Kelley	W19-S3-C	CUSTODY	W19-S3-C CUSTODY Brittney Kelley
L2007956-13A	Glass-A.25	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-14A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W1-S3-B	CUSTODY	W1-S3-B CUSTODY Phillip Renaud
L2007956-14A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Tian-long Chheou
L2007956-14A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B	CUSTODY Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-14A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W17-S6-B	CUSTODY	W17-S6-B CUSTODY Brittney Kelley
L2007956-14A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007956-14A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-14A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-15A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W1-S3-B	CUSTODY	W1-S3-B CUSTODY Phillip Renaud
L2007956-15A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Tian-long Chheou
L2007956-15A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B	CUSTODY Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-15A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W17-S6-B	CUSTODY	W17-S6-B CUSTODY Brittney Kelley
L2007956-15A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2007956-15A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-15A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-16A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W1-S3-B	CUSTODY	W1-S3-B CUSTODY Phillip Renaud

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007956-16A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-16A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-16A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-16A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007956-16A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-16A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-17A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-17A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-17A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-17A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-17A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2007956-17A	Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-17A	Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-18A	Amber-A.120	EMPTY	23-FEB-20		ORGPREP	William Fleckenstein	CUSTODY	CUSTODY	William Fleckenstein
L2007956-18A	Amber-A.120	INTACT	23-FEB-20		W23-S5-A CUSTODY	William Fleckenstein	ORGPREP	ORGPREP	William Fleckenstein
L2007956-18A	Amber-A.120	INTACT	22-FEB-20		CUSTODY	Brittney Kelley	W23-S5-A CUSTODY	W23-S5-A CUSTODY	Brittney Kelley
L2007956-18A	Amber-A.120	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-18B	Amber-A.120	INTACT	27-FEB-20		W23-S5-A CUSTODY	Phillip Renaud	W23-S5-B CUSTODY	W23-S5-B CUSTODY	Phillip Renaud
L2007956-18B	Amber-A.120	INTACT	22-FEB-20		CUSTODY	Brittney Kelley	W23-S5-A CUSTODY	W23-S5-A CUSTODY	Brittney Kelley
L2007956-18B	Amber-A.120	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2007956-19A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Phillip Renaud
L2007956-19A	Glass-A.06	INTACT	24-FEB-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2007956-19A	Glass-A.06	INTACT	24-FEB-20		W17-S6-B CUSTODY	Tian-long Chheou	ORGPREP	ORGPREP	Tian-long Chheou
L2007956-19A	Glass-A.06	INTACT	22-FEB-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W17-S6-B CUSTODY	W17-S6-B CUSTODY	Brittney Kelley
L2007956-19A	Glass-A.06	INTACT	22-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2007956-19A Glass-A.06	INTACT	22-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2007956-19A Glass-A.06	INTACT	22-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams

Methodology Review

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2007956
Report Date: 03/06/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0007.03

Lab Number: L2007956

Report Date: 03/06/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2007956-01A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-02A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-03A	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		HOLD-CONTINGENCY(14),HOLD-8082(14)
L2007956-04A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-05A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-06A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-07A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-08A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-09A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-10A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-11A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-12A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-13A	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-14A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-15A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-16A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-17A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)
L2007956-18A	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NJ-8082-LVI(7)
L2007956-18B	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NJ-8082-LVI(7)
L2007956-19A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJ-8082(14),TS(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



**NJ DEP Data of Known Quality Protocols
 Conformance/Non-Conformance
 Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^\circ \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2007956
Report Date: 03/06/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2007956
Report Date: 03/06/20

Case Narrative (continued)

Report Submission

March 06, 2020: This final report includes the results of the PCB analysis performed on L2007956-13.

February 28, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

L2007956-01 and -14 through -17 : One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

L2007956-11 and -19: One or more surrogates failed to meet the DKQP recovery limits. Please refer to the sample results and/or QC section of the report for specific details.

L2007956-14, -15, -16, and -17: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

WG1343788-5: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Please refer to the QC section of the report for specific details.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Report Date: 03/06/20

Title: Technical Director/Representative

Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2007956
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- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2007956
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Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Organics



**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-01D	Date Collected : 02/21/20 09:00
Client ID : E-115-0.5-1.0	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 15:32
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 13200225a-08	Analyst : AWS
Sample Amount : 15.14 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 78
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.211	0.0188	U
11104-28-2	Aroclor 1221	ND	0.211	0.0212	U
11141-16-5	Aroclor 1232	ND	0.211	0.0448	U
53469-21-9	Aroclor 1242	ND	0.211	0.0285	U
12672-29-6	Aroclor 1248	0.861	0.211	0.0317	
11097-69-1	Aroclor 1254	ND	0.211	0.0231	U
37324-23-5	Aroclor 1262	ND	0.211	0.0268	U
11100-14-4	Aroclor 1268	ND	0.211	0.0219	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-01D Client ID : E-115-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200225a-08 Sample Amount : 15.14 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 09:00 Date Received : 02/21/20 Date Analyzed : 02/25/20 15:32 Date Extracted : 02/24/20 Dilution Factor : 5 Analyst : AWS Instrument ID : PEST13 GC Column : CLP-PesticideII %Solids : 78 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.366	0.211	0.0391	
1336-36-3	PCBs, Total	1.23	0.211	0.0188	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-02 Client ID : E-115-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-49 Sample Amount : 15.26 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 09:06 Date Received : 02/21/20 Date Analyzed : 02/24/20 22:58 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0406	0.00361	U
11104-28-2	Aroclor 1221	ND	0.0406	0.00407	U
11141-16-5	Aroclor 1232	ND	0.0406	0.00862	U
53469-21-9	Aroclor 1242	ND	0.0406	0.00548	U
11097-69-1	Aroclor 1254	ND	0.0406	0.00445	U
37324-23-5	Aroclor 1262	ND	0.0406	0.00516	U
11100-14-4	Aroclor 1268	ND	0.0406	0.00421	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-02 Client ID : E-115-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-49 Sample Amount : 15.26 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 09:06 Date Received : 02/21/20 Date Analyzed : 02/24/20 22:58 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12672-29-6	Aroclor 1248	0.0480	0.0406	0.00610	
11096-82-5	Aroclor 1260	0.0273	0.0406	0.00751	J
1336-36-3	PCBs, Total	0.0753	0.0406	0.00361	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-04 Client ID : E-114-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-50 Sample Amount : 15.06 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 09:30 Date Received : 02/21/20 Date Analyzed : 02/24/20 23:10 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 77 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0432	0.00384	U
11104-28-2	Aroclor 1221	ND	0.0432	0.00433	U
11141-16-5	Aroclor 1232	ND	0.0432	0.00916	U
53469-21-9	Aroclor 1242	ND	0.0432	0.00583	U
12672-29-6	Aroclor 1248	0.114	0.0432	0.00648	
11097-69-1	Aroclor 1254	ND	0.0432	0.00473	U
37324-23-5	Aroclor 1262	ND	0.0432	0.00549	U
11100-14-4	Aroclor 1268	ND	0.0432	0.00448	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-04 Client ID : E-114-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-50 Sample Amount : 15.06 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 09:30 Date Received : 02/21/20 Date Analyzed : 02/24/20 23:10 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 77 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.191	0.0432	0.00799	
1336-36-3	PCBs, Total	0.305	0.0432	0.00384	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-05 Client ID : E-114-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-51 Sample Amount : 15.08 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 09:36 Date Received : 02/21/20 Date Analyzed : 02/24/20 23:22 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0408	0.00362	U
11104-28-2	Aroclor 1221	ND	0.0408	0.00409	U
11141-16-5	Aroclor 1232	ND	0.0408	0.00866	U
53469-21-9	Aroclor 1242	ND	0.0408	0.00550	U
11097-69-1	Aroclor 1254	ND	0.0408	0.00447	U
37324-23-5	Aroclor 1262	ND	0.0408	0.00518	U
11100-14-4	Aroclor 1268	ND	0.0408	0.00423	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-05 Client ID : E-114-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-51 Sample Amount : 15.08 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 09:36 Date Received : 02/21/20 Date Analyzed : 02/24/20 23:22 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12672-29-6	Aroclor 1248	0.0762	0.0408	0.00612	
11096-82-5	Aroclor 1260	0.0762	0.0408	0.00754	
1336-36-3	PCBs, Total	0.152	0.0408	0.00362	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-06	Date Collected : 02/21/20 10:10
Client ID : E-112-0.5-1.0	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 23:34
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200224a-52	Analyst : AWS
Sample Amount : 15.31 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 73
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0445	0.00395	U
11104-28-2	Aroclor 1221	ND	0.0445	0.00446	U
11141-16-5	Aroclor 1232	ND	0.0445	0.00943	U
53469-21-9	Aroclor 1242	ND	0.0445	0.00600	U
12672-29-6	Aroclor 1248	ND	0.0445	0.00667	U
11097-69-1	Aroclor 1254	ND	0.0445	0.00487	U
37324-23-5	Aroclor 1262	ND	0.0445	0.00565	U
11100-14-4	Aroclor 1268	ND	0.0445	0.00461	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-06 Client ID : E-112-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-52 Sample Amount : 15.31 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 10:10 Date Received : 02/21/20 Date Analyzed : 02/24/20 23:34 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 73 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0890	0.0445	0.00822	
1336-36-3	PCBs, Total	0.0890	0.0445	0.00395	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-07	Date Collected : 02/21/20 10:29
Client ID : E-112-3.0-3.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 23:47
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200224a-53	Analyst : AWS
Sample Amount : 15.39 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 84
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0387	0.00344	U
11104-28-2	Aroclor 1221	ND	0.0387	0.00388	U
11141-16-5	Aroclor 1232	ND	0.0387	0.00821	U
53469-21-9	Aroclor 1242	ND	0.0387	0.00522	U
12672-29-6	Aroclor 1248	ND	0.0387	0.00581	U
11097-69-1	Aroclor 1254	ND	0.0387	0.00424	U
37324-23-5	Aroclor 1262	ND	0.0387	0.00492	U
11100-14-4	Aroclor 1268	ND	0.0387	0.00401	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-07 Client ID : E-112-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-53 Sample Amount : 15.39 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 10:29 Date Received : 02/21/20 Date Analyzed : 02/24/20 23:47 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 84 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0167	0.0387	0.00716	J
1336-36-3	PCBs, Total	0.0167	0.0387	0.00344	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-08 Client ID : E-111-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-54 Sample Amount : 15.2 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 11:16 Date Received : 02/21/20 Date Analyzed : 02/24/20 23:59 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 82 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0400	0.00355	U
11104-28-2	Aroclor 1221	ND	0.0400	0.00401	U
11141-16-5	Aroclor 1232	ND	0.0400	0.00848	U
53469-21-9	Aroclor 1242	ND	0.0400	0.00539	U
12672-29-6	Aroclor 1248	ND	0.0400	0.00600	U
11097-69-1	Aroclor 1254	ND	0.0400	0.00438	U
37324-23-5	Aroclor 1262	ND	0.0400	0.00508	U
11100-14-4	Aroclor 1268	ND	0.0400	0.00414	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-08 Client ID : E-111-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-54 Sample Amount : 15.2 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 11:16 Date Received : 02/21/20 Date Analyzed : 02/24/20 23:59 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 82 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.576	0.0400	0.00740	
1336-36-3	PCBs, Total	0.576	0.0400	0.00355	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-09	Date Collected : 02/21/20 11:27
Client ID : E-111-4.0-4.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 00:11
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200224a-55	Analyst : AWS
Sample Amount : 15.19 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 90
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0366	0.00325	U
11104-28-2	Aroclor 1221	ND	0.0366	0.00367	U
11141-16-5	Aroclor 1232	ND	0.0366	0.00776	U
53469-21-9	Aroclor 1242	ND	0.0366	0.00494	U
12672-29-6	Aroclor 1248	ND	0.0366	0.00549	U
11097-69-1	Aroclor 1254	ND	0.0366	0.00400	U
37324-23-5	Aroclor 1262	ND	0.0366	0.00465	U
11100-14-4	Aroclor 1268	ND	0.0366	0.00379	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-09 Client ID : E-111-4.0-4.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-55 Sample Amount : 15.19 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 11:27 Date Received : 02/21/20 Date Analyzed : 02/25/20 00:11 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 90 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0149	0.0366	0.00677	J
1336-36-3	PCBs, Total	0.0149	0.0366	0.00325	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-10 Client ID : E-111-5.0-5.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-56 Sample Amount : 15.92 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 11:50 Date Received : 02/21/20 Date Analyzed : 02/25/20 00:24 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 86 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0366	0.00325	U
11104-28-2	Aroclor 1221	ND	0.0366	0.00366	U
11141-16-5	Aroclor 1232	ND	0.0366	0.00775	U
53469-21-9	Aroclor 1242	ND	0.0366	0.00493	U
12672-29-6	Aroclor 1248	ND	0.0366	0.00548	U
11097-69-1	Aroclor 1254	ND	0.0366	0.00400	U
37324-23-5	Aroclor 1262	ND	0.0366	0.00464	U
11100-14-4	Aroclor 1268	ND	0.0366	0.00379	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-10 Client ID : E-111-5.0-5.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-56 Sample Amount : 15.92 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 11:50 Date Received : 02/21/20 Date Analyzed : 02/25/20 00:24 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 86 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.197	0.0366	0.00676	
1336-36-3	PCBs, Total	0.197	0.0366	0.00325	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-11D Client ID : E-110-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200225a-09 Sample Amount : 15.45 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 12:14 Date Received : 02/21/20 Date Analyzed : 02/25/20 15:45 Date Extracted : 02/24/20 Dilution Factor : 5 Analyst : AWS Instrument ID : PEST13 GC Column : CLP-Pesticide %Solids : 88 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.184	0.0163	U
11104-28-2	Aroclor 1221	ND	0.184	0.0184	U
11141-16-5	Aroclor 1232	ND	0.184	0.0390	U
53469-21-9	Aroclor 1242	ND	0.184	0.0248	U
12672-29-6	Aroclor 1248	ND	0.184	0.0276	U
11097-69-1	Aroclor 1254	ND	0.184	0.0201	U
11096-82-5	Aroclor 1260	1.13	0.184	0.0340	
37324-23-5	Aroclor 1262	ND	0.184	0.0234	U
11100-14-4	Aroclor 1268	ND	0.184	0.0191	U
1336-36-3	PCBs, Total	1.13	0.184	0.0163	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-12 Client ID : E-110-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-58 Sample Amount : 15.19 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 12:20 Date Received : 02/21/20 Date Analyzed : 02/25/20 00:49 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 86 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0383	0.00340	U
11104-28-2	Aroclor 1221	ND	0.0383	0.00384	U
11141-16-5	Aroclor 1232	ND	0.0383	0.00812	U
53469-21-9	Aroclor 1242	ND	0.0383	0.00516	U
12672-29-6	Aroclor 1248	ND	0.0383	0.00575	U
11097-69-1	Aroclor 1254	ND	0.0383	0.00419	U
37324-23-5	Aroclor 1262	ND	0.0383	0.00487	U
11100-14-4	Aroclor 1268	ND	0.0383	0.00397	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-12 Client ID : E-110-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-58 Sample Amount : 15.19 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 12:20 Date Received : 02/21/20 Date Analyzed : 02/25/20 00:49 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 86 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.310	0.0383	0.00708	
1336-36-3	PCBs, Total	0.310	0.0383	0.00340	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-13	Date Collected : 02/21/20 12:27
Client ID : E-110-4.0-4.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 15:26
Sample Matrix : SOIL	Date Extracted : 03/02/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200303b-30	Analyst : AD
Sample Amount : 15.55 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0370	0.00328	U
11104-28-2	Aroclor 1221	ND	0.0370	0.00370	U
11141-16-5	Aroclor 1232	ND	0.0370	0.00784	U
53469-21-9	Aroclor 1242	ND	0.0370	0.00498	U
12672-29-6	Aroclor 1248	ND	0.0370	0.00554	U
11097-69-1	Aroclor 1254	ND	0.0370	0.00404	U
11096-82-5	Aroclor 1260	0.140	0.0370	0.00683	
37324-23-5	Aroclor 1262	ND	0.0370	0.00469	U
11100-14-4	Aroclor 1268	ND	0.0370	0.00383	U
1336-36-3	PCBs, Total	0.140	0.0370	0.00328	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-14D Client ID : E-99-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200225a-36 Sample Amount : 15.49 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 13:29 Date Received : 02/21/20 Date Analyzed : 02/25/20 22:26 Date Extracted : 02/24/20 Dilution Factor : 500 Analyst : AWS Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	19.9	1.76	U
11104-28-2	Aroclor 1221	ND	19.9	1.99	U
11141-16-5	Aroclor 1232	ND	19.9	4.21	U
53469-21-9	Aroclor 1242	ND	19.9	2.68	U
12672-29-6	Aroclor 1248	ND	19.9	2.98	U
11097-69-1	Aroclor 1254	ND	19.9	2.17	U
11096-82-5	Aroclor 1260	98.4	19.9	3.67	
37324-23-5	Aroclor 1262	ND	19.9	2.52	U
11100-14-4	Aroclor 1268	ND	19.9	2.06	U
1336-36-3	PCBs, Total	98.4	19.9	1.76	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-15D	Date Collected : 02/21/20 14:13
Client ID : E-99-3.0-3.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 16:21
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 13200225a-12	Analyst : AWS
Sample Amount : 15.32 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 83
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.788	0.0700	U
11104-28-2	Aroclor 1221	ND	0.788	0.0790	U
11141-16-5	Aroclor 1232	ND	0.788	0.167	U
53469-21-9	Aroclor 1242	ND	0.788	0.106	U
12672-29-6	Aroclor 1248	ND	0.788	0.118	U
11097-69-1	Aroclor 1254	ND	0.788	0.0862	U
11096-82-5	Aroclor 1260	3.16	0.788	0.146	
37324-23-5	Aroclor 1262	ND	0.788	0.100	U
11100-14-4	Aroclor 1268	ND	0.788	0.0817	U
1336-36-3	PCBs, Total	3.16	0.788	0.0700	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-16D	Date Collected : 02/21/20 12:55
Client ID : E-97-0.5-1.0	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 16:34
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 13200225a-13	Analyst : AWS
Sample Amount : 15.6 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 80
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.804	0.0714	U
11104-28-2	Aroclor 1221	ND	0.804	0.0806	U
11141-16-5	Aroclor 1232	ND	0.804	0.170	U
53469-21-9	Aroclor 1242	ND	0.804	0.108	U
12672-29-6	Aroclor 1248	ND	0.804	0.121	U
11097-69-1	Aroclor 1254	ND	0.804	0.0880	U
11096-82-5	Aroclor 1260	6.02	0.804	0.149	
37324-23-5	Aroclor 1262	ND	0.804	0.102	U
11100-14-4	Aroclor 1268	ND	0.804	0.0833	U
1336-36-3	PCBs, Total	6.02	0.804	0.0714	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-17D	Date Collected : 02/21/20 13:18
Client ID : E-97-3.0-3.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 16:46
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 13200225a-14	Analyst : AWS
Sample Amount : 15.24 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 80
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.820	0.0728	U
11104-28-2	Aroclor 1221	ND	0.820	0.0822	U
11141-16-5	Aroclor 1232	ND	0.820	0.174	U
53469-21-9	Aroclor 1242	ND	0.820	0.110	U
12672-29-6	Aroclor 1248	ND	0.820	0.123	U
11097-69-1	Aroclor 1254	ND	0.820	0.0897	U
11096-82-5	Aroclor 1260	3.40	0.820	0.152	
37324-23-5	Aroclor 1262	ND	0.820	0.104	U
11100-14-4	Aroclor 1268	ND	0.820	0.0850	U
1336-36-3	PCBs, Total	3.40	0.820	0.0728	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-18	Date Collected : 02/21/20 13:00
Client ID : EB-11-02212020	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/24/20 15:05
Sample Matrix : WATER	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200224a-25	Analyst : AWS
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-19D	Date Collected : 02/21/20 00:00
Client ID : X-10-02212020	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 15:57
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 13200225a-10	Analyst : AWS
Sample Amount : 15.32 g	Instrument ID : PEST13
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.185	0.0164	U
11104-28-2	Aroclor 1221	ND	0.185	0.0185	U
11141-16-5	Aroclor 1232	ND	0.185	0.0392	U
53469-21-9	Aroclor 1242	ND	0.185	0.0249	U
12672-29-6	Aroclor 1248	ND	0.185	0.0278	U
11097-69-1	Aroclor 1254	ND	0.185	0.0202	U
37324-23-5	Aroclor 1262	ND	0.185	0.0235	U
11100-14-4	Aroclor 1268	ND	0.185	0.0192	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2007956-19D Client ID : X-10-02212020 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200225a-10 Sample Amount : 15.32 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 00:00 Date Received : 02/21/20 Date Analyzed : 02/25/20 15:57 Date Extracted : 02/24/20 Dilution Factor : 5 Analyst : AWS Instrument ID : PEST13 GC Column : CLP-PesticideII %Solids : 88 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.975	0.185	0.0342	
1336-36-3	PCBs, Total	0.975	0.185	0.0164	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1343581-1	Date Collected : NA
Client ID : WG1343581-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/24/20 16:13
Sample Matrix : WATER	Date Extracted : 02/23/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200224a-30	Analyst : AD
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1343788-1	Date Collected : NA
Client ID : WG1343788-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/25/20 01:50
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200224a-63	Analyst : AWS
Sample Amount : 15.55 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0322	0.00286	U
11104-28-2	Aroclor 1221	ND	0.0322	0.00322	U
11141-16-5	Aroclor 1232	ND	0.0322	0.00682	U
53469-21-9	Aroclor 1242	ND	0.0322	0.00433	U
12672-29-6	Aroclor 1248	ND	0.0322	0.00482	U
11097-69-1	Aroclor 1254	ND	0.0322	0.00352	U
11096-82-5	Aroclor 1260	ND	0.0322	0.00594	U
37324-23-5	Aroclor 1262	ND	0.0322	0.00408	U
11100-14-4	Aroclor 1268	ND	0.0322	0.00333	U
1336-36-3	PCBs, Total	ND	0.0322	0.00286	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1343788-5	Date Collected : 02/21/20 09:00
Client ID : E-115-0.5-1.0DUP	Date Received : 02/21/20
Sample Location :	Date Analyzed : 02/24/20 22:45
Sample Matrix : SOIL	Date Extracted : 02/24/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200224a-48	Analyst : AWS
Sample Amount : 15.08 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 78
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0424	0.004	U
11104-28-2	Aroclor 1221	ND	0.0424	0.004	U
11141-16-5	Aroclor 1232	ND	0.0424	0.009	U
53469-21-9	Aroclor 1242	ND	0.0424	0.006	U
12672-29-6	Aroclor 1248	0.444	0.0424	0.006	
11097-69-1	Aroclor 1254	ND	0.0424	0.005	U
37324-23-5	Aroclor 1262	ND	0.0424	0.005	U
11100-14-4	Aroclor 1268	ND	0.0424	0.004	U



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : WG1343788-5 Client ID : E-115-0.5-1.0DUP Sample Location : Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200224a-48 Sample Amount : 15.08 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2007956 Project Number : 277710568.0007.03 Date Collected : 02/21/20 09:00 Date Received : 02/21/20 Date Analyzed : 02/24/20 22:45 Date Extracted : 02/24/20 Dilution Factor : 1 Analyst : AWS Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 78 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.290	0.0424	0.008	
1336-36-3	PCBs, Total	0.734	0.0424	0.004	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1345995-1	Date Collected : NA
Client ID : WG1345995-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 03/02/20 13:13
Sample Matrix : SOIL	Date Extracted : 03/02/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200302a-03	Analyst : AD
Sample Amount : 15.23 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0328	0.00292	U
11104-28-2	Aroclor 1221	ND	0.0328	0.00329	U
11141-16-5	Aroclor 1232	ND	0.0328	0.00696	U
53469-21-9	Aroclor 1242	ND	0.0328	0.00442	U
12672-29-6	Aroclor 1248	ND	0.0328	0.00492	U
11097-69-1	Aroclor 1254	ND	0.0328	0.00359	U
11096-82-5	Aroclor 1260	ND	0.0328	0.00607	U
37324-23-5	Aroclor 1262	ND	0.0328	0.00417	U
11100-14-4	Aroclor 1268	ND	0.0328	0.00340	U
1336-36-3	PCBs, Total	ND	0.0328	0.00292	U



Blank Results Summary

**Method Blank Summary
Form 4
PCBs**

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007956
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Lab Sample ID	: WG1343581-1	Lab File ID	: P2200224a-30
Matrix	: WATER	Extraction Date	: 02/23/20
Sulfur Cleanup	: Y		
Analysis Date (1)	: 02/24/20 16:13	Analysis Date (2)	: 02/24/20 16:13
Instrument ID (1)	: PEST2	Instrument ID (2)	: PEST2

<u>Client Sample No.</u>	<u>Lab Sample ID</u>	<u>Analysis Date 1</u>	<u>Analysis Date 2</u>
EB-11-02212020	L2007956-18	02/24/20 15:05	02/24/20 15:05
WG1343581-2LCS	WG1343581-2	02/24/20 16:27	02/24/20 16:27
WG1343581-3LCSD	WG1343581-3	02/24/20 16:41	02/24/20 16:41



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : WG1343788-1	Lab File ID : P7200224a-63
Matrix : SOIL	Extraction Date : 02/24/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/25/20 01:50	Analysis Date (2) : 02/25/20 01:50
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
E-115-0.5-1.0MS	WG1343788-4	02/24/20 22:33	02/24/20 22:33
E-115-0.5-1.0DUP	WG1343788-5	02/24/20 22:45	02/24/20 22:45
E-115-2.0-2.5	L2007956-02	02/24/20 22:58	02/24/20 22:58
E-114-0.5-1.0	L2007956-04	02/24/20 23:10	02/24/20 23:10
E-114-3.0-3.5	L2007956-05	02/24/20 23:22	02/24/20 23:22
E-112-0.5-1.0	L2007956-06	02/24/20 23:34	02/24/20 23:34
E-112-3.0-3.5	L2007956-07	02/24/20 23:47	02/24/20 23:47
E-111-0.5-1.0	L2007956-08	02/24/20 23:59	02/24/20 23:59
E-111-4.0-4.5	L2007956-09	02/25/20 00:11	02/25/20 00:11
E-111-5.0-5.5	L2007956-10	02/25/20 00:24	02/25/20 00:24
E-110-3.0-3.5	L2007956-12	02/25/20 00:49	02/25/20 00:49
WG1343788-2LCS	WG1343788-2	02/25/20 02:02	02/25/20 02:02
WG1343788-3LCSD	WG1343788-3	02/25/20 02:15	02/25/20 02:15
E-115-0.5-1.0	L2007956-01D	02/25/20 15:32	02/25/20 15:32
E-110-0.5-1.0	L2007956-11D	02/25/20 15:45	02/25/20 15:45
X-10-02212020	L2007956-19D	02/25/20 15:57	02/25/20 15:57
E-99-3.0-3.5	L2007956-15D	02/25/20 16:21	02/25/20 16:21
E-97-0.5-1.0	L2007956-16D	02/25/20 16:34	02/25/20 16:34
E-97-3.0-3.5	L2007956-17D	02/25/20 16:46	02/25/20 16:46
E-99-0.5-1.0	L2007956-14D	02/25/20 22:26	02/25/20 22:26



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : WG1345995-1	Lab File ID : P7200302a-03
Matrix : SOIL	Extraction Date : 03/02/20
Sulfur Cleanup : Y	
Analysis Date (1) : 03/02/20 13:13	Analysis Date (2) : 03/02/20 13:13
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1345995-2LCS	WG1345995-2	03/02/20 13:25	03/02/20 13:25
WG1345995-3LCSD	WG1345995-3	03/02/20 13:38	03/02/20 13:38
E-110-4.0-4.5	L2007956-13	03/03/20 15:26	03/03/20 15:26



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.473	1.290	1.250	1.210	1.137	1.021	1.230	12.37
3) s Decachlorobiphenyl	1.026	0.864	0.827	0.777	0.743	0.662	0.817	15.21
4) 11 1016-1	0.029	0.025	0.023	0.021	0.019	0.017	0.022	18.43
5) 11 1016-2	0.063	0.053	0.049	0.045	0.041	0.036	0.048	19.80
6) 11 1016-3	0.124	0.108	0.104	0.099	0.093	0.083	0.102	13.64
7) 11 1016-4	0.053	0.048	0.043	0.040	0.038	0.034	0.043	15.82
8) 11 1016-5	0.056	0.049	0.046	0.043	0.041	0.037	0.045	14.66
9) 12 1260-1	0.075	0.064	0.060	0.057	0.054	0.049	0.060	14.99
10) 12 1260-2	0.111	0.096	0.091	0.086	0.082	0.073	0.090	14.56
11) 12 1260-3	0.062	0.059	0.056	0.053	0.052	0.047	0.055	9.75
12) 12 1260-4	0.146	0.130	0.125	0.120	0.114	0.098	0.122	13.22
13) 12 1260-5	0.100	0.088	0.085	0.080	0.079	0.072	0.084	11.45
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.014	0.013	0.012	0.011	0.010	0.012	14.08
16) 13 1221-3	0.010	0.009	0.008	0.007	0.007	0.006	0.008	16.46
17) 13 1221-4	0.037	0.031	0.029	0.026	0.024	0.022	0.028	19.89
18) 14 1254-1	0.055	0.046	0.044	0.041	0.039	0.036	0.043	15.13
19) 14 1254-2	0.097	0.081	0.077	0.072	0.068	0.063	0.076	15.79
20) 14 1254-3	0.090	0.077	0.074	0.070	0.066	0.061	0.073	13.58
21) 14 1254-4	0.068	0.062	0.058	0.056	0.053	0.049	0.058	11.79
22) 14 1254-5	0.094	0.080	0.077	0.074	0.070	0.066	0.077	12.65
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.018	0.016	0.015	0.014	0.012	0.016	16.30
25) 16 1242-2	0.043	0.037	0.035	0.031	0.029	0.027	0.034	17.65
26) 16 1242-3	0.085	0.077	0.074	0.069	0.068	0.062	0.073	11.36
27) 16 1242-4	0.039	0.037	0.034	0.032	0.030	0.028	0.034	11.86
28) 16 1242-5	0.028	0.026	0.025	0.024	0.023	0.021	0.024	9.69
29) 19 1268-1	0.164	0.145	0.141	0.131	0.121	0.105	0.135	15.17
30) 19 1268-2	0.162	0.148	0.141	0.132	0.123	0.110	0.136	13.59
31) 19 1268-3	0.108	0.098	0.094	0.088	0.083	0.076	0.091	12.44
32) 19 1268-4	0.053	0.048	0.047	0.044	0.043	0.040	0.046	9.66
33) 19 1268-5	0.292	0.267	0.255	0.234	0.212	0.179	0.240	16.83
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.027	0.027	0.025	0.024	0.022	0.026	12.33
36) 17 1248-2	0.044	0.036	0.036	0.033	0.032	0.027	0.035	16.84



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.064	0.061	0.054	0.051	0.049	0.044	0.054	13.95
38) 17 1248-4	0.057	0.051	0.048	0.045	0.044	0.040	0.047	12.58
39) 17 1248-5	0.047	0.043	0.041	0.039	0.038	0.035	0.040	11.04
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.025	0.023	0.020	0.019	0.017	0.022	20.00
42) 15 1232-2	0.028	0.024	0.022	0.019	0.019	0.017	0.021	19.01
43) 15 1232-3	0.053	0.048	0.045	0.042	0.041	0.038	0.044	12.42
44) 15 1232-4	0.022	0.021	0.020	0.017	0.018	0.017	0.019	11.95
45) 15 1232-5	0.017	0.015	0.014	0.013	0.013	0.012	0.014	14.33
46) 18 1262-1	0.074	0.063	0.058	0.053	0.052	0.048	0.058	16.15
47) 18 1262-2	0.086	0.075	0.070	0.066	0.063	0.057	0.070	14.64
48) 18 1262-3	0.074	0.066	0.062	0.059	0.056	0.052	0.062	12.83
49) 18 1262-4	0.147	0.133	0.125	0.117	0.111	0.099	0.122	13.81
50) 18 1262-5	0.046	0.043	0.040	0.038	0.036	0.034	0.040	10.81



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007956
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.381	1.232	1.206	1.198	1.168	1.071	1.209	8.34
3) s Decachlorobip	0.882	0.739	0.722	0.700	0.682	0.636	0.727	11.55
4) 11 1016-1	0.027	0.024	0.022	0.020	0.019	0.018	0.022	15.75
5) 11 1016-2	0.059	0.051	0.047	0.044	0.042	0.039	0.047	15.56
6) 11 1016-3	0.113	0.099	0.094	0.091	0.091	0.084	0.095	10.57
7) 11 1016-4	0.044	0.038	0.036	0.034	0.033	0.031	0.036	12.33
8) 11 1016-5	0.036	0.031	0.029	0.028	0.027	0.025	0.029	13.42
9) 12 1260-1	0.069	0.058	0.053	0.051	0.050	0.047	0.054	14.48
10) 12 1260-2	0.078	0.066	0.061	0.059	0.058	0.054	0.063	13.09
11) 12 1260-3	0.061	0.053	0.050	0.049	0.048	0.045	0.051	10.80
12) 12 1260-4	0.122	0.108	0.104	0.103	0.101	0.093	0.105	9.18
13) 12 1260-5	0.088	0.075	0.072	0.070	0.070	0.066	0.074	10.50
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.016	0.013	0.012	0.011	0.010	0.010	0.012	16.89
16) 13 1221-3	0.009	0.008	0.008	0.007	0.007	0.006	0.008	14.40
17) 13 1221-4	0.035	0.030	0.028	0.026	0.024	0.022	0.027	15.95
18) 14 1254-1	0.053	0.044	0.041	0.039	0.038	0.036	0.042	13.97
19) 14 1254-2	0.063	0.050	0.047	0.045	0.043	0.041	0.048	16.16
20) 14 1254-3	0.090	0.077	0.072	0.070	0.067	0.064	0.073	12.70
21) 14 1254-4	0.060	0.050	0.048	0.046	0.045	0.043	0.049	12.53
22) 14 1254-5	0.081	0.069	0.065	0.063	0.061	0.059	0.066	11.77
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.017	0.016	0.014	0.013	0.012	0.015	16.00
25) 16 1242-2	0.042	0.037	0.034	0.031	0.030	0.028	0.034	15.54
26) 16 1242-3	0.078	0.070	0.068	0.066	0.063	0.060	0.067	9.13
27) 16 1242-4	0.025	0.023	0.022	0.020	0.020	0.019	0.021	11.23
28) 16 1242-5	0.025	0.023	0.021	0.020	0.019	0.018	0.021	10.92
29) 19 1268-1	0.142	0.125	0.121	0.117	0.113	0.103	0.120	10.81
30) 19 1268-2	0.142	0.126	0.121	0.118	0.115	0.106	0.121	9.84
31) 19 1268-3	0.096	0.083	0.080	0.078	0.076	0.072	0.081	10.46
32) 19 1268-4	0.048	0.044	0.041	0.039	0.038	0.037	0.041	10.31
33) 19 1268-5	0.248	0.239	0.228	0.219	0.206	0.181	0.220	11.03
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.026	0.024	0.023	0.023	0.021	0.024	10.31
36) 17 1248-2	0.036	0.032	0.029	0.027	0.026	0.025	0.029	14.43



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007956
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.044	0.039	0.036	0.034	0.033	0.031	0.036	12.89
38) 17 1248-4	0.048	0.042	0.040	0.038	0.037	0.035	0.040	11.61
39) 17 1248-5	0.053	0.047	0.044	0.042	0.041	0.039	0.045	11.42
40) i 3262_lbr2nb	----- ISTD -----							
41) 15 1232-1	0.027	0.024	0.022	0.019	0.019	0.017	0.021	17.41
42) 15 1232-2	0.027	0.025	0.022	0.020	0.019	0.017	0.022	17.37
43) 15 1232-3	0.049	0.045	0.041	0.038	0.038	0.036	0.041	11.60
44) 15 1232-4	0.015	0.014	0.012	0.011	0.011	0.010	0.012	14.64
45) 15 1232-5	0.014	0.013	0.012	0.011	0.011	0.010	0.012	14.30
46) 18 1262-1	0.057	0.046	0.042	0.040	0.039	0.037	0.044	16.49
47) 18 1262-2	0.074	0.062	0.057	0.053	0.055	0.050	0.059	14.39
48) 18 1262-3	0.066	0.057	0.053	0.052	0.051	0.048	0.055	11.60
49) 18 1262-4	0.123	0.107	0.101	0.098	0.097	0.089	0.102	11.26
50) 18 1262-5	0.044	0.038	0.036	0.034	0.034	0.033	0.036	11.21



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVIIi-17.d 2 =P2190806LVIIi-03.d 3 =P2190806LVIIi-04.d 4 =P2190806LVIIi-08.d
 5 =P2190806LVIIi-06.d 6 =P2190806LVIIi-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.580	1.358	1.329	1.239	1.126	1.195	1.305	12.25
3) s Decachlorobiphenyl	1.366	1.092	1.055	0.972	0.874	0.920	1.047	16.84
4) 11 1016-1	0.030	0.027	0.026	0.023	0.020	0.021	0.025	15.05
5) 11 1016-2	0.063	0.058	0.056	0.049	0.043	0.045	0.052	14.74
6) 11 1016-3	0.132	0.115	0.110	0.100	0.090	0.094	0.107	14.46
7) 11 1016-4	0.058	0.050	0.047	0.042	0.037	0.038	0.045	17.00
8) 11 1016-5	0.057	0.052	0.050	0.045	0.039	0.040	0.047	14.50
9) 12 1260-1	0.082	0.071	0.068	0.061	0.055	0.057	0.066	15.59
10) 12 1260-2	0.123	0.106	0.102	0.092	0.084	0.087	0.099	14.62
11) 12 1260-3	0.078	0.071	0.066	0.060	0.054	0.058	0.064	14.14
12) 12 1260-4	0.160	0.144	0.139	0.128	0.118	0.124	0.136	11.47
13) 12 1260-5	0.093	0.111	0.107	0.097	0.089	0.091	0.098	9.07
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.020	0.017	0.015	0.015	0.013	0.012	0.015	17.65
16) 13 1221-3	0.011	0.011	0.010	0.010	0.008	0.008	0.010	13.69
17) 13 1221-4	0.042	0.038	0.034	0.033	0.029	0.027	0.034	16.48
18) 14 1254-1	0.062	0.055	0.049	0.047	0.042	0.040	0.049	16.73
19) 14 1254-2	0.106	0.096	0.086	0.083	0.073	0.071	0.086	15.76
20) 14 1254-3	0.110	0.090	0.082	0.080	0.072	0.070	0.084	17.30
21) 14 1254-4	0.083	0.072	0.065	0.063	0.057	0.055	0.066	15.49
22) 14 1254-5	0.118	0.101	0.092	0.089	0.079	0.077	0.093	16.35
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.025	0.022	0.021	0.018	0.017	0.015	0.020	18.24
25) 16 1242-2	0.055	0.048	0.044	0.039	0.036	0.033	0.042	18.86
26) 16 1242-3	0.111	0.093	0.087	0.077	0.075	0.070	0.086	17.57
27) 16 1242-4	0.050	0.043	0.041	0.037	0.035	0.031	0.039	16.54
28) 16 1242-5	0.037	0.031	0.030	0.026	0.025	0.023	0.029	17.46
29) 19 1268-1	0.229	0.190	0.181	0.166	0.163	0.151	0.180	15.35
30) 19 1268-2	0.231	0.194	0.186	0.168	0.166	0.153	0.183	15.09
31) 19 1268-3	0.160	0.133	0.126	0.115	0.113	0.105	0.125	15.67
32) 19 1268-4	0.089	0.068	0.065	0.059	0.057	0.053	0.065	19.71
33) 19 1268-5	0.421	0.356	0.348	0.321	0.319	0.290	0.343	13.13
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.043	0.039	0.036	0.033	0.030	0.029	0.035	16.12
36) 17 1248-2	0.049	0.048	0.044	0.039	0.036	0.034	0.042	14.96



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.078	0.073	0.065	0.060	0.058	0.070	16.34
38) 17 1248-4	0.071	0.067	0.061	0.057	0.052	0.050	0.060	13.60
39) 17 1248-5	0.062	0.061	0.055	0.049	0.046	0.044	0.053	14.64
40) i 3262_1br2nb	----- ISTD -----							
41) 15 1232-1	0.030	0.029	0.027	0.024	0.022	0.021	0.025	15.00
42) 15 1232-2	0.028	0.028	0.026	0.023	0.021	0.020	0.024	13.93
43) 15 1232-3	0.059	0.055	0.052	0.046	0.044	0.043	0.050	12.96
44) 15 1232-4	0.024	0.024	0.022	0.020	0.019	0.018	0.021	11.43
45) 15 1232-5	0.016	0.018	0.016	0.014	0.014	0.013	0.015	12.09
46) 18 1262-1	0.081	0.072	0.069	0.061	0.059	0.056	0.066	14.22
47) 18 1262-2	0.107	0.090	0.084	0.074	0.072	0.068	0.083	17.55
48) 18 1262-3	0.087	0.080	0.077	0.069	0.068	0.064	0.074	11.54
49) 18 1262-4	0.169	0.150	0.144	0.133	0.131	0.125	0.142	11.28
50) 18 1262-5	0.060	0.057	0.054	0.049	0.047	0.044	0.052	11.69



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.481	1.319	1.295	1.217	1.125	1.224	1.277	9.48
3) s Decachlorobip	1.275	1.122	1.094	1.019	0.936	1.017	1.077	10.84
4) 11 1016-1	0.028	0.025	0.025	0.022	0.020	0.021	0.023	13.02
5) 11 1016-2	0.056	0.057	0.056	0.048	0.043	0.045	0.051	11.93
6) 11 1016-3	0.116	0.106	0.108	0.098	0.089	0.096	0.102	9.45
7) 11 1016-4	0.046	0.044	0.045	0.039	0.034	0.036	0.041	11.95
8) 11 1016-5	0.036	0.036	0.035	0.032	0.028	0.030	0.033	10.17
9) 12 1260-1	0.075	0.071	0.070	0.065	0.059	0.063	0.067	9.23
10) 12 1260-2	0.090	0.082	0.082	0.076	0.069	0.074	0.079	9.36
11) 12 1260-3	0.075	0.074	0.072	0.066	0.061	0.065	0.069	8.28
12) 12 1260-4	0.167	0.150	0.147	0.138	0.128	0.139	0.145	9.27
13) 12 1260-5	0.113	0.106	0.104	0.097	0.088	0.095	0.101	8.80
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.016	0.014	0.014	0.012	0.011	0.014	11.49
16) 13 1221-3	0.009	0.010	0.009	0.009	0.008	0.007	0.009	11.04
17) 13 1221-4	0.034	0.035	0.032	0.033	0.029	0.027	0.031	10.09
18) 14 1254-1	0.064	0.056	0.053	0.052	0.047	0.045	0.053	12.85
19) 14 1254-2	0.071	0.066	0.062	0.060	0.054	0.051	0.061	12.28
20) 14 1254-3	0.103	0.088	0.081	0.082	0.074	0.072	0.083	13.26
21) 14 1254-4	0.074	0.065	0.060	0.060	0.054	0.052	0.061	12.82
22) 14 1254-5	0.116	0.099	0.091	0.092	0.082	0.079	0.093	14.34
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.021	0.019	0.017	0.016	0.015	0.018	12.72
25) 16 1242-2	0.048	0.044	0.042	0.039	0.035	0.033	0.040	13.60
26) 16 1242-3	0.098	0.087	0.083	0.076	0.072	0.069	0.081	13.09
27) 16 1242-4	0.031	0.029	0.028	0.026	0.024	0.023	0.027	11.68
28) 16 1242-5	0.032	0.031	0.029	0.026	0.024	0.023	0.028	13.65
29) 19 1268-1	0.223	0.199	0.188	0.180	0.173	0.166	0.188	10.92
30) 19 1268-2	0.221	0.216	0.191	0.181	0.175	0.167	0.192	11.50
31) 19 1268-3	0.155	0.135	0.129	0.123	0.119	0.114	0.129	11.34
32) 19 1268-4	0.076	0.071	0.067	0.063	0.059	0.057	0.065	10.84
33) 19 1268-5	0.427	0.373	0.365	0.355	0.344	0.324	0.365	9.61
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.034	0.032	0.029	0.029	0.033	12.92
36) 17 1248-2	0.047	0.044	0.041	0.038	0.036	0.034	0.040	12.71



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.056	0.052	0.049	0.045	0.044	0.051	10.97
38) 17 1248-4	0.061	0.063	0.058	0.054	0.051	0.050	0.056	9.27
39) 17 1248-5	0.069	0.070	0.064	0.060	0.057	0.056	0.063	9.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.027	0.025	0.023	0.021	0.021	0.024	13.92
42) 15 1232-2	0.030	0.026	0.026	0.023	0.022	0.021	0.024	13.66
43) 15 1232-3	0.052	0.051	0.048	0.044	0.042	0.041	0.046	10.00
44) 15 1232-4	0.015	0.015	0.015	0.014	0.014	0.013	0.014	7.89
45) 15 1232-5	0.016	0.015	0.015	0.014	0.014	0.013	0.014	8.16
46) 18 1262-1	0.060	0.060	0.058	0.053	0.053	0.050	0.055	7.71
47) 18 1262-2	0.090	0.087	0.082	0.075	0.074	0.071	0.080	9.98
48) 18 1262-3	0.082	0.080	0.080	0.072	0.072	0.068	0.076	7.32
49) 18 1262-4	0.160	0.150	0.149	0.138	0.138	0.132	0.144	6.99
50) 18 1262-5	0.058	0.059	0.054	0.050	0.048	0.047	0.053	10.11



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007956
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST13 **Ical Ref** : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08

Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.210	1.098	1.123	1.137	1.136	1.150	1.142	3.30
3) s Decachlorobiphenyl	0.939	0.777	0.786	0.803	0.793	0.793	0.815	7.51
4) 11 1016-1	0.025	0.020	0.019	0.018	0.017	0.016	*L	0.9984
5) 11 1016-2	0.055	0.043	0.042	0.039	0.038	0.037	*L	0.9994
6) 11 1016-3	0.099	0.083	0.084	0.083	0.082	0.084	*L	0.9998
7) 11 1016-4	0.045	0.036	0.035	0.034	0.033	0.033	*L	0.9999
8) 11 1016-5	0.046	0.039	0.037	0.036	0.035	0.035	*L	0.9999
9) 12 1260-1	0.067	0.055	0.054	0.054	0.052	0.053	0.056	9.83
10) 12 1260-2	0.099	0.083	0.082	0.082	0.080	0.081	0.084	8.66
11) 12 1260-3	0.068	0.054	0.052	0.053	0.052	0.053	0.055	11.65
12) 12 1260-4	0.139	0.123	0.124	0.124	0.123	0.123	0.126	5.01
13) 12 1260-5	0.092	0.079	0.078	0.080	0.079	0.082	0.082	6.33
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.012	0.013	0.012	0.010	0.011		0.012	10.94
16) 13 1221-3	0.008	0.008	0.007	0.006	0.006		0.007	13.34
17) 13 1221-4	0.032	0.031	0.027	0.023	0.024		0.027	14.58
18) 14 1254-1	0.047	0.046	0.041	0.036	0.039	0.037	0.041	10.70
19) 14 1254-2	0.078	0.079	0.071	0.064	0.070	0.065	0.071	8.80
20) 14 1254-3	0.073	0.078	0.071	0.065	0.072	0.066	0.071	6.46
21) 14 1254-4	0.055	0.059	0.054	0.049	0.055	0.052	0.054	5.79
22) 14 1254-5	0.078	0.083	0.076	0.070	0.077	0.073	0.076	6.06
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.013	0.015	13.66
25) 16 1242-2	0.041	0.034	0.034	0.031	0.030	0.029	0.033	13.50
26) 16 1242-3	0.075	0.065	0.067	0.064	0.066	0.064	0.067	6.37
27) 16 1242-4	0.037	0.031	0.031	0.030	0.029	0.029	0.031	9.48
28) 16 1242-5	0.024	0.021	0.021	0.021	0.021	0.021	0.022	5.80
29) 19 1268-1	0.158	0.145	0.150	0.146	0.150	0.142	0.148	3.90
30) 19 1268-2	0.159	0.148	0.152	0.153	0.156	0.151	0.153	2.60
31) 19 1268-3	0.103	0.094	0.097	0.098	0.101	0.099	0.099	3.09
32) 19 1268-4	0.047	0.044	0.045	0.045	0.047	0.047	0.046	3.30
33) 19 1268-5	0.283	0.267	0.276	0.273	0.278	0.262	0.273	2.77
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.025	0.022	0.021	0.020	0.022	0.021	0.022	8.34
36) 17 1248-2	0.040	0.033	0.031	0.029	0.031	0.029	0.032	12.15



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.045	0.037	0.036	0.035	0.038	0.035	0.038	10.38
38) 17 1248-4	0.045	0.040	0.040	0.039	0.043	0.039	0.041	6.08
39) 17 1248-5	0.045	0.041	0.038	0.037	0.039	0.036	0.039	8.39
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.026	0.022	0.021	0.020	0.019	0.017	0.021	14.84
42) 15 1232-2	0.026	0.021	0.021	0.019	0.019	0.017	0.021	14.45
43) 15 1232-3	0.047	0.041	0.040	0.040	0.040	0.038	0.041	7.27
44) 15 1232-4	0.020	0.018	0.018	0.017	0.017	0.016	0.018	9.68
45) 15 1232-5	0.013	0.012	0.012	0.011	0.012	0.011	0.012	4.71
46) 18 1262-1	0.066	0.057	0.056	0.056	0.057	0.054	0.058	7.25
47) 18 1262-2	0.084	0.073	0.072	0.072	0.072	0.068	0.074	7.48
48) 18 1262-3	0.074	0.065	0.064	0.065	0.065	0.062	0.066	6.18
49) 18 1262-4	0.140	0.132	0.135	0.138	0.139	0.130	0.136	2.95
50) 18 1262-5	0.041	0.038	0.038	0.039	0.040	0.039	0.039	2.48



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Signal #2 Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.284	1.149	1.155	1.142	1.141	1.135	1.168	4.92
3) s Decachlorobip	0.766	0.655	0.641	0.644	0.649	0.663	0.670	7.15
4) 11 1016-1	0.023	0.020	0.019	0.018	0.017	0.016	0.019	13.06
5) 11 1016-2	0.052	0.045	0.043	0.040	0.039	0.038	0.043	11.96
6) 11 1016-3	0.101	0.090	0.087	0.086	0.083	0.082	0.088	7.82
7) 11 1016-4	0.037	0.037	0.032	0.032	0.031	0.031	0.034	8.99
8) 11 1016-5	0.031	0.029	0.027	0.027	0.027	0.027	0.028	6.22
9) 12 1260-1	0.062	0.056	0.054	0.053	0.052	0.052	0.055	7.41
10) 12 1260-2	0.073	0.067	0.064	0.063	0.061	0.062	0.065	6.81
11) 12 1260-3	0.058	0.054	0.052	0.051	0.051	0.051	0.053	5.26
12) 12 1260-4	0.120	0.108	0.107	0.107	0.106	0.106	0.109	5.04
13) 12 1260-5	0.077	0.069	0.069	0.069	0.069	0.071	0.071	4.78
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.012	0.013	0.012	0.010	0.011		0.011	8.78
16) 13 1221-3	0.007	0.008	0.007	0.006	0.007		0.007	9.40
17) 13 1221-4	0.030	0.030	0.027	0.023	0.024		0.027	12.22
18) 14 1254-1	0.049	0.051	0.046	0.041	0.045	0.040	0.045	9.87
19) 14 1254-2	0.039	0.042	0.038	0.034	0.038	0.035	0.038	7.66
20) 14 1254-3	0.078	0.084	0.076	0.068	0.075	0.067	0.074	8.44
21) 14 1254-4	0.050	0.056	0.051	0.045	0.050	0.046	0.050	7.94
22) 14 1254-5	0.084	0.082	0.073	0.065	0.072	0.066	0.074	10.74
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.012	0.015	12.30
25) 16 1242-2	0.041	0.035	0.035	0.032	0.031	0.029	0.034	12.05
26) 16 1242-3	0.077	0.068	0.071	0.067	0.066	0.064	0.069	6.64
27) 16 1242-4	0.026	0.023	0.023	0.022	0.022	0.021	0.023	6.95
28) 16 1242-5	0.023	0.021	0.021	0.020	0.021	0.020	0.021	4.07
29) 19 1268-1	0.143	0.125	0.131	0.126	0.128	0.125	0.130	5.38
30) 19 1268-2	0.146	0.130	0.137	0.133	0.134	0.132	0.135	4.31
31) 19 1268-3	0.092	0.081	0.086	0.083	0.085	0.085	0.085	4.52
32) 19 1268-4	0.039	0.037	0.042	0.039	0.039	0.040	0.039	4.23
33) 19 1268-5	0.243	0.217	0.233	0.226	0.226	0.192	0.223	7.75
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.025	0.023	0.022	0.021	0.023	0.021	0.023	7.35
36) 17 1248-2	0.035	0.031	0.029	0.028	0.029	0.026	0.030	9.91



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Signal #2 Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.043	0.038	0.036	0.035	0.037	0.033	0.037	8.90
38) 17 1248-4	0.045	0.040	0.039	0.038	0.040	0.037	0.040	7.23
39) 17 1248-5	0.054	0.048	0.045	0.044	0.046	0.042	0.047	8.98
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.024	0.022	0.022	0.020	0.019	0.017	0.021	12.53
42) 15 1232-2	0.024	0.022	0.022	0.021	0.020	0.018	0.021	10.28
43) 15 1232-3	0.046	0.042	0.042	0.041	0.041	0.038	0.042	6.40
44) 15 1232-4	0.015	0.013	0.013	0.012	0.012	0.012	0.013	7.77
45) 15 1232-5	0.012	0.011	0.012	0.011	0.011	0.011	0.011	3.51
46) 18 1262-1	0.051	0.048	0.048	0.046	0.046	0.043	0.047	5.42
47) 18 1262-2	0.071	0.069	0.066	0.066	0.063	0.062	0.066	5.25
48) 18 1262-3	0.066	0.061	0.061	0.059	0.059	0.056	0.060	5.06
49) 18 1262-4	0.121	0.114	0.114	0.113	0.112	0.106	0.113	4.41
50) 18 1262-5	0.036	0.036	0.036	0.035	0.036	0.035	0.036	0.96



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Calibration Date : 02/24/20 08:52
Lab File ID : P2200224a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1343754-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	127	0
2,4,5,6-Tetrachloro-m-xylene	16	15.179	-	5.1	20	122	0
Decachlorobiphenyl	32	27.437	-	14.3	20	115	0
1016-1	250	236.897	-	5.2	20	125	-.01
1016-2	250	240.108	-	4	20	123	0
1016-3	250	229.831	-	8.1	20	125	-.01
1016-4	250	248.097	-	0.8	20	128	-.01
1016-5	250	252.839	-	-1.1	20	129	-.01
1260-1	250	227.555	-	9	20	121	-.01
1260-2	250	233.996	-	6.4	20	122	0
1260-3	250	225.16	-	9.9	20	120	0
1260-4	250	232.835	-	6.9	20	123	0
1260-5	250	217.663	-	12.9	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Calibration Date : 02/24/20 08:52
Lab File ID : P2200224a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1343754-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	101	0
2,4,5,6-Tetrachloro-m-xylene	16	15.737	-	1.6	20	104	-.01
Decachlorobiphenyl #2	32	31.541	-	1.4	20	109	-.01
1016-1 #2	250	245.622	-	1.8	20	106	-.01
1016-2 #2	250	254.27	-	-1.7	20	108	-.01
1016-3 #2	250	244.719	-	2.1	20	105	-.01
1016-4 #2	250	252.282	-	-0.9	20	104	-.01
1016-5 #2	250	241.738	-	3.3	20	103	-.01
1260-1 #2	250	250.092	-	-0	20	114	0
1260-2 #2	250	259.96	-	-4	20	116	0
1260-3 #2	250	259.473	-	-3.8	20	115	0
1260-4 #2	250	255.331	-	-2.1	20	112	0
1260-5 #2	250	233.929	-	6.4	20	108	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Calibration Date : 02/24/20 15:19
Lab File ID : P2200224a-26	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1343754-5	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	138	0
2,4,5,6-Tetrachloro-m-xylene	16	14.925	-	6.7	20	130	0
Decachlorobiphenyl	32	27.35	-	14.5	20	125	0
1016-1	250	242.872	-	2.9	20	139	0
1016-2	250	238.697	-	4.5	20	133	0
1016-3	250	231.612	-	7.4	20	137	0
1016-4	250	249.484	-	0.2	20	140	0
1016-5	250	249.838	-	0.1	20	139	-.01
1260-1	250	225.51	-	9.8	20	130	0
1260-2	250	230.157	-	7.9	20	131	0
1260-3	250	220.956	-	11.6	20	127	0
1260-4	250	225.86	-	9.7	20	130	0
1260-5	250	211.376	-	15.4	20	129	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Calibration Date : 02/24/20 15:19
Lab File ID : P2200224a-26	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1343754-5	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	111	0
2,4,5,6-Tetrachloro-m-xylene	16	15.242	-	4.7	20	111	0
Decachlorobiphenyl #2	32	31.326	-	2.1	20	119	-.01
1016-1 #2	250	238.028	-	4.8	20	113	0
1016-2 #2	250	244.178	-	2.3	20	114	0
1016-3 #2	250	235.352	-	5.9	20	111	0
1016-4 #2	250	243.352	-	2.7	20	110	0
1016-5 #2	250	236.416	-	5.4	20	111	0
1260-1 #2	250	246.522	-	1.4	20	123	0
1260-2 #2	250	252.129	-	-0.9	20	124	0
1260-3 #2	250	251.414	-	-0.6	20	122	0
1260-4 #2	250	249.688	-	0.1	20	120	0
1260-5 #2	250	230.902	-	7.6	20	117	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Calibration Date : 02/24/20 21:45
Lab File ID : P7200224a-45	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1343740-3	Init. Calib. Times : 02:30 13:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	105	-.01
2,4,5,6-Tetrachloro-m-xylene	160	154.455	-	3.5	20	103	-.01
Decachlorobiphenyl	320	336.947	-	-5.3	20	116	-.02
1016-1	2500	2297.362	-	8.1	20	103	-.01
1016-2	2500	2233.504	-	10.7	20	100	-.01
1016-3	2500	2105.805	-	15.8	20	90	-.02
1016-4	2500	2116.974	-	15.3	20	94	-.02
1016-5	2500	2112.326	-	15.5	20	93	-.02
1260-1	2500	2374.948	-	5	20	105	-.02
1260-2	2500	2284.983	-	8.6	20	100	-.02
1260-3	2500	2299.944	-	8	20	99	-.02
1260-4	2500	2345.014	-	6.2	20	100	-.02
1260-5	2500	2490.079	-	0.4	20	109	-.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Calibration Date : 02/24/20 21:45
Lab File ID : P7200224a-45	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1343740-3	Init. Calib. Times : 02:30 13:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	102	-.02
2,4,5,6-Tetrachloro-m-xylene	160	147.391	-	7.9	20	95	-.02
Decachlorobiphenyl #2	320	357.144	-	-11.6	20	119	-.04
1016-1 #2	2500	2259.251	-	9.6	20	98	-.03
1016-2 #2	2500	2214.309	-	11.4	20	97	-.03
1016-3 #2	2500	2073.53	-	17.1	20	89	-.03
1016-4 #2	2500	2558.379	-	-2.3	20	111	-.04
1016-5 #2	2500	2338.691	-	6.5	20	102	-.04
1260-1 #2	2500	2525.297	-	-1	20	110	-.04
1260-2 #2	2500	2628.823	-	-5.2	20	114	-.04
1260-3 #2	2500	2633.878	-	-5.4	20	113	-.04
1260-4 #2	2500	2652.663	-	-6.1	20	111	-.04
1260-5 #2	2500	2424.415	-	3	20	104	-.04

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST13	Calibration Date : 02/25/20 12:57
Lab File ID : 13200225a-03	Init. Calib. Date(s) : 02/21/20 02/21/20
Sample No : WG1344217-1	Init. Calib. Times : 00:15 06:08
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	89	0
2,4,5,6-Tetrachloro-m-xylene	160	144.225	-	9.9	20	80	0
Decachlorobiphenyl	320	258.906	-	19.1	20	73	0
1016-1	2500	2438.518	-	2.5	20	83	0
1016-2	2500	2461.105	-	1.6	20	85	0
1016-3	2500	2402.024	-	3.9	20	86	0
1016-4	2500	2371.983	-	5.1	20	83	0
1016-5	2500	2336.313	-	6.5	20	82	0
1260-1	2500	2173.655	-	13.1	20	80	0
1260-2	2500	2209.534	-	11.6	20	81	0
1260-3	2500	2105.929	-	15.8	20	78	0
1260-4	2500	2220.722	-	11.2	20	80	0
1260-5	2500	2169.197	-	13.2	20	79	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST13	Calibration Date : 02/25/20 12:57
Lab File ID : 13200225a-03	Init. Calib. Date(s) : 02/21/20 02/21/20
Sample No : WG1344217-1	Init. Calib. Times : 00:15 06:08
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	86	0
2,4,5,6-Tetrachloro-m-xylene	160	144.585	-	9.6	20	79	0
Decachlorobiphenyl #2	320	255.629	-	20.1*	20	71	0
1016-1 #2	2500	2254.077	-	9.8	20	81	0
1016-2 #2	2500	2273.282	-	9.1	20	82	0
1016-3 #2	2500	2279.608	-	8.8	20	80	0
1016-4 #2	2500	2171.676	-	13.1	20	77	0
1016-5 #2	2500	2121.845	-	15.1	20	74	0
1260-1 #2	2500	2103.247	-	15.9	20	75	0
1260-2 #2	2500	2130.373	-	14.8	20	75	0
1260-3 #2	2500	2087.278	-	16.5	20	74	0
1260-4 #2	2500	2130.237	-	14.8	20	74	0
1260-5 #2	2500	2070.392	-	17.2	20	73	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Calibration Date : 02/25/20 13:11
Lab File ID : 19200225a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1344121-2	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
i 1660_1br2nb	250	250	-	0	20	72	0
s 2,4,5,6-Tetrachloro-m-x	160	146.609	-	8.4	20	69	0
s Decachlorobiphenyl	320	263.908	-	17.5	20	64	0
I1 1016-1	2500	2162.185	-	13.5	20	66	0
I1 1016-2	2500	2188.247	-	12.5	20	67	0
I1 1016-3	2500	2232.092	-	10.7	20	69	0
I1 1016-4	2500	2212.67	-	11.5	20	68	0
I1 1016-5	2500	2181.66	-	12.7	20	65	0
I2 1260-1	2500	2143.03	-	14.3	20	66	0
1260-2	2500	2182.387	-	12.7	20	67	0
1260-3	2500	2178.452	-	12.9	20	68	0
1260-4	2500	2247.239	-	10.1	20	68	0
1260-5	2500	2248.708	-	10.1	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Calibration Date : 02/25/20 13:11
Lab File ID : 19200225a-23	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1344121-2	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	117	0
2,4,5,6-Tetrachloro-m-xylene	160	141.301	-	11.7	20	108	0
Decachlorobiphenyl #2	320	256.825	-	19.7	20	99	0
1016-1 #2	2500	2261.133	-	9.6	20	111	0
1016-2 #2	2500	2206.737	-	11.7	20	110	0
1016-3 #2	2500	2254.121	-	9.8	20	110	0
1016-4 #2	2500	2197.278	-	12.1	20	108	0
1016-5 #2	2500	2192.962	-	12.3	20	106	0
1260-1 #2	2500	2128.252	-	14.9	20	104	0
1260-2 #2	2500	2157.233	-	13.7	20	105	0
1260-3 #2	2500	2142.733	-	14.3	20	104	0
1260-4 #2	2500	2088.758	-	16.4	20	103	0
1260-5 #2	2500	2109.363	-	15.6	20	103	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Calibration Date : 03/02/20 08:07
Lab File ID : P7200302a-02	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1346074-1	Init. Calib. Times : 02:30 13:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	110	0
2,4,5,6-Tetrachloro-m-xylene	160	147.893	-	7.6	20	104	0
Decachlorobiphenyl	320	283.054	-	11.5	20	102	0
1016-1	2500	2157.244	-	13.7	20	102	0
1016-2	2500	2146.062	-	14.2	20	101	0
1016-3	2500	2037.107	-	18.5	20	92	0
1016-4	2500	2036.843	-	18.5	20	95	0
1016-5	2500	2067.788	-	17.3	20	96	0
1260-1	2500	2319.789	-	7.2	20	108	0
1260-2	2500	2183.486	-	12.7	20	101	0
1260-3	2500	2158.266	-	13.7	20	98	0
1260-4	2500	2250.803	-	10	20	101	0
1260-5	2500	2196.733	-	12.1	20	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Calibration Date : 03/02/20 08:07
Lab File ID : P7200302a-02	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1346074-1	Init. Calib. Times : 02:30 13:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	106	-.01
2,4,5,6-Tetrachloro-m-xylen	160	144.46	-	9.7	20	97	-.01
Decachlorobiphenyl #2	320	299.87	-	6.3	20	103	-.02
1016-1 #2	2500	2167.621	-	13.3	20	97	-.01
1016-2 #2	2500	2157.796	-	13.7	20	97	-.02
1016-3 #2	2500	2053.879	-	17.8	20	91	-.02
1016-4 #2	2500	2053.441	-	17.9	20	92	-.02
1016-5 #2	2500	2175.96	-	13	20	98	-.02
1260-1 #2	2500	2439.683	-	2.4	20	110	-.02
1260-2 #2	2500	2489.873	-	0.4	20	112	-.02
1260-3 #2	2500	2450.405	-	2	20	109	-.02
1260-4 #2	2500	2377.186	-	4.9	20	103	-.02
1260-5 #2	2500	2146.429	-	14.1	20	95	-.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Calibration Date : 03/03/20 14:44
Lab File ID : 19200303b-24	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1346596-2	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	70	0
2,4,5,6-Tetrachloro-m-xylene	160	159.183	-	0.5	20	73	0
Decachlorobiphenyl	320	293.127	-	8.4	20	69	0
1016-1	2500	2355.797	-	5.8	20	70	0
1016-2	2500	2366.953	-	5.3	20	70	0
1016-3	2500	2407.806	-	3.7	20	72	0
1016-4	2500	2344.467	-	6.2	20	70	0
1016-5	2500	2389.655	-	4.4	20	69	0
1260-1	2500	2352.631	-	5.9	20	71	0
1260-2	2500	2378.404	-	4.9	20	71	0
1260-3	2500	2448.902	-	2	20	74	0
1260-4	2500	2484.903	-	0.6	20	73	0
1260-5	2500	2514.749	-	-0.6	20	71	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Calibration Date : 03/03/20 14:44
Lab File ID : 19200303b-24	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1346596-2	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	113	0
2,4,5,6-Tetrachloro-m-xylene	160	159.093	-	0.6	20	118	0
Decachlorobiphenyl #2	320	286.335	-	10.5	20	107	0
1016-1 #2	2500	2504.881	-	-0.2	20	119	0
1016-2 #2	2500	2481.367	-	0.7	20	120	0
1016-3 #2	2500	2529.744	-	-1.2	20	119	0
1016-4 #2	2500	2501.44	-	-0.1	20	119	0
1016-5 #2	2500	2480.816	-	0.8	20	116	0
1260-1 #2	2500	2318.737	-	7.3	20	109	0
1260-2 #2	2500	2419.018	-	3.2	20	115	-0.01
1260-3 #2	2500	2387.29	-	4.5	20	112	0
1260-4 #2	2500	2412.76	-	3.5	20	115	-0.01
1260-5 #2	2500	2358.072	-	5.7	20	111	-0.01

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007956
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST7 **Initial Calib. Date(s)** : 07/28/19 07/28/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1214573-1	07/28/19 02:30
1242/1268 L2	R1214573-2	07/28/19 02:43
1242/1268 L3	R1214573-6	07/28/19 02:56
1242/1268 L4	R1214573-3	07/28/19 03:09
1242/1268 L5	R1214573-4	07/28/19 03:22
1242/1268 L6	R1214573-5	07/28/19 03:35
1232/1262 L1	R1214573-7	07/28/19 03:48
1232/1262 L2	R1214573-8	07/28/19 04:01
1232/1262 L3	R1214573-12	07/28/19 04:14
1232/1262 L4	R1214573-13	07/28/19 09:12
1232/1262 L5	R1214573-14	07/28/19 09:24
1232/1262 L6	R1214573-15	07/28/19 09:37
1248 L1	R1214573-9	07/28/19 09:50
1248 L2	R1214573-10	07/28/19 10:03
1248 L3	R1214573-11	07/28/19 10:16
1248 L4	R1214573-16	07/28/19 10:29
1248 L5	R1214573-17	07/28/19 10:42
1248 L6	R1214573-18	07/28/19 10:55
1221/1254 L1	R1214573-20	07/28/19 11:08
1221/1254 L2	R1214573-19	07/28/19 11:21
1221/1254 L3	R1214573-21	07/28/19 11:34
1221/1254 L4	R1214573-22	07/28/19 11:47
1221/1254 L5	R1214573-24	07/28/19 12:00
1221/1254 L6	R1214573-23	07/28/19 12:13
1016/1260 L1	R1214573-25	07/28/19 12:26
1016/1260 L2	R1214573-26	07/28/19 12:39
1016/1260 L3	R1214573-27	07/28/19 12:52
1016/1260 L4	R1214573-28	07/28/19 13:05
1016/1260 L5	R1214573-29	07/28/19 13:18
1016/1260 L6	R1214573-30	07/28/19 13:31
R1214573-31 ICV	R1214573-31	07/28/19 13:44
R1214573-32 ICV	R1214573-32	07/28/19 13:57
R1214573-33 ICV	R1214573-33	07/28/19 14:10
R1214573-34 ICV	R1214573-34	07/28/19 14:23
R1214573-35 ICV	R1214573-35	07/28/19 14:36
WG1343740-3 CCAL	WG1343740-3	02/24/20 21:45
E-115-0.5-1.0 MS	WG1343788-4	02/24/20 22:33
E-115-0.5-1.0 DUP	WG1343788-5	02/24/20 22:45
E-115-2.0-2.5	L2007956-02	02/24/20 22:58
E-114-0.5-1.0	L2007956-04	02/24/20 23:10
E-114-3.0-3.5	L2007956-05	02/24/20 23:22
E-112-0.5-1.0	L2007956-06	02/24/20 23:34



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007956
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST7 **Initial Calib. Date(s)** : 07/28/19 07/28/19

Client ID	Lab ID	Date/Time Analyzed
E-112-3.0-3.5	L2007956-07	02/24/20 23:47
E-111-0.5-1.0	L2007956-08	02/24/20 23:59
E-111-4.0-4.5	L2007956-09	02/25/20 00:11
E-111-5.0-5.5	L2007956-10	02/25/20 00:24
E-110-3.0-3.5	L2007956-12	02/25/20 00:49
WG1343788-1 BLANK	WG1343788-1	02/25/20 01:50
WG1343788-2 LCS	WG1343788-2	02/25/20 02:02
WG1343788-3 LCSD	WG1343788-3	02/25/20 02:15
WG1346074-1 CCAL	WG1346074-1	03/02/20 08:07
WG1345995-1 BLANK	WG1345995-1	03/02/20 13:13
WG1345995-2 LCS	WG1345995-2	03/02/20 13:25
WG1345995-3 LCSD	WG1345995-3	03/02/20 13:38



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007956
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST13 **Initial Calib. Date(s)** : 02/21/20 02/21/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1287789-2	02/21/20 00:15
1242/1268 L2	R1287789-1	02/21/20 00:27
1242/1268 L3	R1287789-3	02/21/20 00:40
1242/1268 L4	R1287789-5	02/21/20 00:52
1242/1268 L5	R1287789-4	02/21/20 01:04
1242/1268 L6	R1287789-6	02/21/20 01:16
1232/1262 L1	R1287789-8	02/21/20 01:28
1232/1262 L2	R1287789-7	02/21/20 01:40
1232/1262 L3	R1287789-9	02/21/20 01:53
1232/1262 L4	R1287789-10	02/21/20 02:05
1232/1262 L5	R1287789-13	02/21/20 02:17
1232/1262 L6	R1287789-11	02/21/20 02:29
1248 L1	R1287789-12	02/21/20 02:41
1248 L2	R1287789-16	02/21/20 02:54
1248 L3	R1287789-14	02/21/20 03:06
1248 L4	R1287789-15	02/21/20 03:18
1248 L5	R1287789-17	02/21/20 03:30
1248 L6	R1287789-18	02/21/20 03:42
1221/1254 L1	R1287789-19	02/21/20 03:54
1221/1254 L2	R1287789-21	02/21/20 04:07
1221/1254 L3	R1287789-20	02/21/20 04:19
1221/1254 L4	R1287789-23	02/21/20 04:31
1221/1254 L5	R1287789-22	02/21/20 04:43
1254 L6	R1287789-24	02/21/20 04:55
1016/1260 L1	R1287789-25	02/21/20 05:07
1016/1260 L2	R1287789-27	02/21/20 05:20
1016/1260 L3	R1287789-26	02/21/20 05:32
1016/1260 L4	R1287789-29	02/21/20 05:44
1016/1260 L5	R1287789-28	02/21/20 05:56
1016/1260 L6	R1287789-30	02/21/20 06:08
R1287789-31 ICV	R1287789-31	02/21/20 06:20
R1287789-32 ICV	R1287789-32	02/21/20 06:33
R1287789-33 ICV	R1287789-33	02/21/20 06:45
R1287789-34 ICV	R1287789-34	02/21/20 06:57
R1287789-35 ICV	R1287789-35	02/21/20 07:09
WG1344217-1 CCAL	WG1344217-1	02/25/20 12:57
E-115-0.5-1.0	L2007956-01 D	02/25/20 15:32
E-110-0.5-1.0	L2007956-11 D	02/25/20 15:45
X-10-02212020	L2007956-19 D	02/25/20 15:57
E-99-3.0-3.5	L2007956-15 D	02/25/20 16:21
E-97-0.5-1.0	L2007956-16 D	02/25/20 16:34
E-97-3.0-3.5	L2007956-17 D	02/25/20 16:46



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2007956
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1258780-12	11/20/19 11:11
1242/1268 L2	R1258780-13	11/20/19 11:18
1242/1268 L3	R1258780-14	11/20/19 11:25
1242/1268 L4	R1258780-15	11/20/19 11:32
1242/1268 L5	R1258780-16	11/20/19 11:39
1242/1268 L6	R1258780-17	11/20/19 11:46
1232/1262 L1	R1258780-18	11/20/19 11:53
1232/1262 L2	R1258780-21	11/20/19 12:00
1232/1262 L3	R1258780-19	11/20/19 12:07
1232/1262 L4	R1258780-20	11/20/19 12:13
1232/1262 L5	R1258780-22	11/20/19 12:20
1232/1262 L6	R1258780-23	11/20/19 12:27
1221/1254 L1	R1258780-24	11/20/19 12:34
1221/1254 L2	R1258780-25	11/20/19 12:41
1221/1254 L3	R1258780-28	11/20/19 12:48
1221/1254 L4	R1258780-27	11/20/19 12:55
1221/1254 L5	R1258780-26	11/20/19 13:02
1221/1254 L6	R1258780-30	11/20/19 13:08
1016/1260 L1	R1258780-29	11/20/19 13:15
1016/1260 L2	R1258780-31	11/20/19 13:22
1016/1260 L3	R1258780-33	11/20/19 13:29
1016/1260 L4	R1258780-32	11/20/19 13:36
1016/1260 L5	R1258780-34	11/20/19 13:43
1016/1260 L6	R1258780-35	11/20/19 13:50
1248 L1	R1258780-1	11/20/19 13:57
1248 L2	R1258780-2	11/20/19 14:04
1248 L3	R1258780-3	11/20/19 14:11
1248 L4	R1258780-4	11/20/19 14:17
1248 L5	R1258780-5	11/20/19 14:24
1248 L6	R1258780-8	11/20/19 14:31
R1258780-7 ICV	R1258780-7	11/20/19 14:38
R1258780-6 ICV	R1258780-6	11/20/19 14:45
R1258780-10 ICV	R1258780-10	11/20/19 14:52
R1258780-9 ICV	R1258780-9	11/20/19 14:59
R1258780-11 ICV	R1258780-11	11/22/19 16:02
WG1344121-2 CCAL	WG1344121-2	02/25/20 13:11
E-99-0.5-1.0	L2007956-14 D	02/25/20 22:26
WG1346596-2 CCAL	WG1346596-2	03/03/20 14:44
E-110-4.0-4.5	L2007956-13	03/03/20 15:26



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2007956
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0007.03
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1343754-1 CCAL	WG1343754-1	02/24/20 08:52
EB-11-02212020	L2007956-18	02/24/20 15:05
WG1343754-5 CCAL	WG1343754-5	02/24/20 15:19
WG1343581-1 BLANK	WG1343581-1	02/24/20 16:13
WG1343581-2 LCS	WG1343581-2	02/24/20 16:27
WG1343581-3 LCSD	WG1343581-3	02/24/20 16:41



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2007956
 Project Number: 277710568.0007.03
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-11-02212020 (L2007956-18)	71	72	60	75			0
WG1343581-1BLANK	58	58	57	71			0
WG1343581-2LCS	66	67	70	81			0
WG1343581-3LCSD	63	66	66	77			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2007956
 Project Number: 277710568.0007.03
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-115-0.5-1.0 (L2007956-01D)	72	73	64	64			0
E-115-2.0-2.5 (L2007956-02)	66	71	89	100			0
E-114-0.5-1.0 (L2007956-04)	67	67	91	138			0
E-114-3.0-3.5 (L2007956-05)	60	61	79	91			0
E-112-0.5-1.0 (L2007956-06)	61	61	84	136			0
E-112-3.0-3.5 (L2007956-07)	66	65	89	101			0
E-111-0.5-1.0 (L2007956-08)	56	57	75	117			0
E-111-4.0-4.5 (L2007956-09)	72	75	84	97			0
E-111-5.0-5.5 (L2007956-10)	72	73	96	125			0
E-110-0.5-1.0 (L2007956-11D)	102	95	68	338*			1
E-110-3.0-3.5 (L2007956-12)	60	63	83	118			0
E-110-4.0-4.5 (L2007956-13)	81	73	61	74			0
E-99-0.5-1.0 (L2007956-14D)	0*	0*	0*	0*			4
E-99-3.0-3.5 (L2007956-15D)	0*	0*	0*	0*			4
E-97-0.5-1.0 (L2007956-16D)	0*	0*	0*	0*			4
E-97-3.0-3.5 (L2007956-17D)	0*	0*	0*	0*			4
X-10-02212020 (L2007956-19D)	90	92	68	297*			1
WG1343788-1BLANK	67	69	77	83			0
WG1343788-2LCS	74	75	87	97			0
WG1343788-3LCSD	81	82	96	107			0
E-115-0.5-1.0MS	68	67	83	93			0
E-115-0.5-1.0DUP	59	59	75	86			0
WG1345995-1BLANK	74	79	86	91			0
WG1345995-2LCS	75	74	81	84			0
WG1345995-3LCSD	75	75	83	87			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
 (30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Lab Duplicate Sample Summary

Form 3

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007956
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Client Sample ID	: E-115-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2007956-01	Analysis Date	: 02/25/20 15:32
Lab File ID	: 13200225a-08	DUP File ID	: P7200224a-48
Dup Sample ID	: WG1343788-5	DUP Analysis Date	: 02/24/20 22:45

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1016	ND	ND	NC	30
Aroclor 1221	ND	ND	NC	30
Aroclor 1232	ND	ND	NC	30
Aroclor 1242	ND	ND	NC	30
Aroclor 1248	0.861	0.444	64 Q	30
Aroclor 1254	ND	ND	NC	30
Aroclor 1262	ND	ND	NC	30
Aroclor 1268	ND	ND	NC	30



**Lab Duplicate Sample Summary
Form 3
PCBs**

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007956
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Client Sample ID	: E-115-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2007956-01	Analysis Date	: 02/25/20 15:32
Lab File ID	: 13200225a-08	DUP File ID	: P7200224a-48
Dup Sample ID	: WG1343788-5	DUP Analysis Date	: 02/24/20 22:45

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1260	0.366	0.290	23	30
PCBs, Total	1.23	0.734	50 Q	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007956
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0007.03
 Matrix : WATER
 LCS Sample ID : WG1343581-2 Analysis Date : 02/24/20 16:27 File ID : P2200224a-31
 LCSD Sample ID : WG1343581-3 Analysis Date : 02/24/20 16:41 File ID : P2200224a-32

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	1.24	69	1.78	1.32	74	6	40-140	20
Aroclor 1260	1.78	1.08	61	1.78	1.18	66	9	40-140	20



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007956
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0007.03
 Matrix : SOIL
 LCS Sample ID : WG1343788-2 Analysis Date : 02/25/20 02:02 File ID : P7200224a-64
 LCSD Sample ID : WG1343788-3 Analysis Date : 02/25/20 02:15 File ID : P7200224a-65

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.204	0.172	84	0.203	0.192	94	11	40-140	30
Aroclor 1260	0.204	0.180	88	0.203	0.201	99	12	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007956
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0007.03
 Matrix : SOIL
 LCS Sample ID : WG1345995-2 Analysis Date : 03/02/20 13:25 File ID : P7200302a-04
 LCSD Sample ID : WG1345995-3 Analysis Date : 03/02/20 13:38 File ID : P7200302a-05

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.202	0.153	76	0.2	0.158	79	4	40-140	30
Aroclor 1260	0.202	0.162	80	0.2	0.165	83	4	40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Client Sample ID : E-115-0.5-1.0	Matrix : SOIL
Lab Sample ID : L2007956-01	Analysis Date : 02/25/20 15:32
Matrix Spike : WG1343788-4	MS Analysis Date : 02/24/20 22:33
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1260	0.366	0.261	0.529	63					40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Client Sample ID : E-115-0.5-1.0	Matrix : SOIL
Lab Sample ID : L2007956-01	Analysis Date : 02/25/20 15:32
Matrix Spike : WG1343788-4	MS Analysis Date : 02/24/20 22:33
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1016	ND	0.261	0.235	90					40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-01D	
Client ID : E-115-0.5-1.0	
Date Analyzed (1) : 02/25/20 15:32	Date Analyzed (2) : 02/25/20 15:32
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD	
			From	To		Concentration	Concentration		
AROCOR 1248	1	3.43	-0.05	0.05	0.168				
	2	3.69	-0.05	0.05	0.742				
	COLUMN 1	3	3.87	-0.05	0.05	0.889			
		4	4.20	-0.05	0.05	1.23			
		5	4.23	-0.05	0.05	1.28	0.861		
COLUMN 2	1	3.72	-0.05	0.05	0.154				
	2	4.00	-0.05	0.05	0.82				
	3	4.22	-0.05	0.05	0.656				
	4	4.52	-0.05	0.05	1.14				
	5	4.56	-0.05	0.05	1.2	0.793		8	
AROCOR 1260	1	4.82	4.77	4.87	0.303				
	2	5.02	4.97	5.07	0.421				
	COLUMN 1	3	5.48	5.43	5.53	0.288			
		4	5.69	5.64	5.74	0.303			
		5	5.89	5.84	5.94	0.349	0.333		
COLUMN 2	1	5.19	5.14	5.24	0.418				
	2	5.34	5.29	5.39	0.417				
	3	5.86	5.81	5.91	0.354				
	4	6.03	5.98	6.08	0.319				
	5	6.27	6.22	6.32	0.32	0.366		9	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-02	
Client ID : E-115-2.0-2.5	
Date Analyzed (1) : 02/24/20 22:58	Date Analyzed (2) : 02/24/20 22:58
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean	%RPD	
			From	To		Concentration		
AROCOR 1248	1	3.04	-0.05	0.05	0.00974			
	2	3.28	-0.05	0.05	0.0439			
	COLUMN 1	3	3.44	-0.05	0.05	0.0298		
		4	3.76	-0.05	0.05	0.0622		
		5	3.79	-0.05	0.05	0.0748	0.0441	
COLUMN 2	1	3.34	-0.05	0.05	0.00885			
	2	3.60	-0.05	0.05	0.0499			
	3	3.81	-0.05	0.05	0.0311			
	4	4.11	-0.05	0.05	0.0709			
	5	4.15	-0.05	0.05	0.0791	0.048	8	
AROCOR 1260	1	4.39	4.34	4.44	0.0193			
	2	4.60	4.55	4.65	0.0292			
	COLUMN 1	3	5.07	5.02	5.12	0.0235		
		4	5.29	5.24	5.34	0.0257		
		5	5.49	5.44	5.54	0.0264	0.0248J	
COLUMN 2	1	4.79	4.74	4.84	0.0252			
	2	4.95	4.90	5.00	0.031			
	3	5.47	5.42	5.52	0.0245			
	4	5.65	5.60	5.70	0.0289			
	5	5.89	5.84	5.94	0.0272	0.0273J	NC	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-04	
Client ID : E-114-0.5-1.0	
Date Analyzed (1) : 02/24/20 23:10	Date Analyzed (2) : 02/24/20 23:10
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD	
			From	To				
AROCOR 1248	1	0.00	-0.05	0.05	0.			
	2	3.28	-0.05	0.05	0.127			
	COLUMN 1	3	3.44	-0.05	0.05	0.0907		
		4	3.76	-0.05	0.05	0.131		
		5	3.79	-0.05	0.05	0.11	0.114	
COLUMN 2	1	3.34	-0.05	0.05	0.0168			
	2	3.60	-0.05	0.05	0.101			
	3	3.81	-0.05	0.05	0.082			
	4	4.11	-0.05	0.05	0.186			
	5	4.15	-0.05	0.05	0.134	0.104	9	
AROCOR 1260	1	4.39	4.34	4.44	0.119			
	2	4.60	4.55	4.65	0.176			
COLUMN 1	3	0.00	5.02	5.12	0.			
	4	5.29	5.24	5.34	0.17			
	5	0.00	5.44	5.54	0.	0.155		
COLUMN 2	1	4.79	4.74	4.84	0.185			
	2	4.95	4.90	5.00	0.193			
	3	5.47	5.42	5.52	0.166			
	4	5.65	5.60	5.70	0.207			
	5	5.89	5.84	5.94	0.206	0.191	21	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-05	
Client ID : E-114-3.0-3.5	
Date Analyzed (1) : 02/24/20 23:22	Date Analyzed (2) : 02/24/20 23:22
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD	
			From	To				
AROCLOR 1248	1	3.04	-0.05	0.05	0.017			
	2	3.28	-0.05	0.05	0.0803			
	COLUMN 1	3	3.44	-0.05	0.05	0.0671		
		4	3.76	-0.05	0.05	0.0832		
		5	3.79	-0.05	0.05	0.091	0.0677	
COLUMN 2	1	3.34	-0.05	0.05	0.0156			
	2	3.60	-0.05	0.05	0.0902			
	3	3.81	-0.05	0.05	0.0713			
	4	4.11	-0.05	0.05	0.0937			
	5	4.15	-0.05	0.05	0.11	0.0762	12	
AROCLOR 1260	1	4.39	4.34	4.44	0.0495			
	2	4.60	4.55	4.65	0.0765			
	COLUMN 1	3	0.00	5.02	5.12	0.		
		4	5.29	5.24	5.34	0.0729		
		5	0.00	5.44	5.54	0.	0.0663	
COLUMN 2	1	4.79	4.74	4.84	0.0753			
	2	4.95	4.90	5.00	0.076			
	3	5.47	5.42	5.52	0.0657			
	4	5.65	5.60	5.70	0.0806			
	5	5.89	5.84	5.94	0.0834	0.0762	14	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-06	
Client ID : E-112-0.5-1.0	
Date Analyzed (1) : 02/24/20 23:34	Date Analyzed (2) : 02/24/20 23:34
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.39	4.34	4.44	0.0538		
	2	4.60	4.55	4.65	0.0817		
COLUMN 1	3	0.00	5.02	5.12	0.		
	4	5.29	5.24	5.34	0.0874		
	5	0.00	5.44	5.54	0.	0.0743	
COLUMN 2	1	4.79	4.74	4.84	0.066		
	2	4.95	4.90	5.00	0.0949		
	3	5.47	5.42	5.52	0.0749		
	4	5.65	5.60	5.70	0.105		
	5	5.89	5.84	5.94	0.104	0.089	18



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-07	
Client ID : E-112-3.0-3.5	
Date Analyzed (1) : 02/24/20 23:47	Date Analyzed (2) : 02/24/20 23:47
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.39	4.34	4.44	0.0089		
	2	4.60	4.55	4.65	0.0153		
COLUMN 1	3	0.00	5.02	5.12	0.		
	4	5.29	5.24	5.34	0.018		
	5	5.49	5.44	5.54	0.0219	0.016J	
COLUMN 2	1	4.79	4.74	4.84	0.0112		
	2	4.95	4.90	5.00	0.0166		
	3	5.47	5.42	5.52	0.014		
	4	5.65	5.60	5.70	0.0204		
	5	5.89	5.84	5.94	0.0214	0.0167J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-08	
Client ID : E-111-0.5-1.0	
Date Analyzed (1) : 02/24/20 23:59	Date Analyzed (2) : 02/24/20 23:59
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.39	4.34	4.44	0.329		
	2	4.60	4.55	4.65	0.482		
COLUMN 1	3	5.07	5.02	5.12	0.505		
	4	5.29	5.24	5.34	0.52		
	5	5.49	5.44	5.54	0.694	0.506	
COLUMN 2	1	4.79	4.74	4.84	0.362		
	2	4.95	4.90	5.00	0.582		
	3	5.47	5.42	5.52	0.485		
	4	5.65	5.60	5.70	0.767		
	5	5.89	5.84	5.94	0.686	0.576	13



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-09	
Client ID : E-111-4.0-4.5	
Date Analyzed (1) : 02/25/20 00:11	Date Analyzed (2) : 02/25/20 00:11
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.39	4.34	4.44	0.00838		
	2	4.60	4.55	4.65	0.0146		
COLUMN 1	3	5.07	5.02	5.12	0.0124		
	4	5.29	5.24	5.34	0.0139		
	5	5.49	5.44	5.54	0.0154	0.0129J	
COLUMN 2	1	4.79	4.74	4.84	0.0101		
	2	4.95	4.90	5.00	0.0166		
	3	5.47	5.42	5.52	0.012		
	4	5.65	5.60	5.70	0.0195		
	5	5.89	5.84	5.94	0.0162	0.0149J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-10	
Client ID : E-111-5.0-5.5	
Date Analyzed (1) : 02/25/20 00:24	Date Analyzed (2) : 02/25/20 00:24
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.39	4.34	4.44	0.12		
	2	4.60	4.55	4.65	0.171		
COLUMN 1	3	5.07	5.02	5.12	0.173		
	4	5.29	5.24	5.34	0.195		
	5	5.49	5.44	5.54	0.238	0.179	
COLUMN 2	1	4.79	4.74	4.84	0.129		
	2	4.95	4.90	5.00	0.201		
	3	5.47	5.42	5.52	0.168		
	4	5.65	5.60	5.70	0.242		
	5	5.89	5.84	5.94	0.244	0.197	10



Identification Summary
Form 10
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2007956
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0007.03
 Lab Sample ID : L2007956-11D
 Client ID : E-110-0.5-1.0
 Date Analyzed (1) : 02/25/20 15:45 Date Analyzed (2) : 02/25/20 15:45
 Instrument ID (1) : PEST13 Instrument ID (2) : PEST13
 GC Column (1) : CLP-Pesticide GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.82	4.77	4.87	0.746		
	2	5.02	4.97	5.07	0.921		
COLUMN 1	3	5.48	5.43	5.53	1.22		
	4	5.70	5.64	5.74	1.19		
	5	5.89	5.84	5.94	1.57	1.13	
COLUMN 2	1	5.19	5.14	5.24	0.835		
	2	5.34	5.29	5.39	0.959		
	3	5.86	5.81	5.91	1.09		
	4	6.03	5.98	6.08	1.19		
	5	6.27	6.22	6.32	1.27	1.07	5



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-12	
Client ID : E-110-3.0-3.5	
Date Analyzed (1) : 02/25/20 00:49	Date Analyzed (2) : 02/25/20 00:49
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.39	4.34	4.44	0.163		
	2	4.60	4.55	4.65	0.247		
COLUMN 1	3	5.07	5.02	5.12	0.242		
	4	5.29	5.24	5.34	0.281		
	5	5.49	5.44	5.54	0.32	0.25	
COLUMN 2	1	4.79	4.74	4.84	0.188		
	2	4.95	4.90	5.00	0.299		
	3	5.47	5.42	5.52	0.346		
	4	5.65	5.60	5.70	0.372		
	5	5.89	5.84	5.94	0.348	0.31	21



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-13	
Client ID : E-110-4.0-4.5	
Date Analyzed (1) : 03/03/20 15:26	Date Analyzed (2) : 03/03/20 15:26
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.56	2.51	2.61	0.112		
	2	2.71	2.66	2.76	0.138		
COLUMN 1	3	3.05	3.00	3.10	0.135		
	4	3.22	3.17	3.27	0.151		
	5	3.38	3.33	3.43	0.164	0.14	
COLUMN 2	1	2.95	2.90	3.00	0.104		
	2	3.06	3.01	3.11	0.141		
	3	3.48	3.43	3.53	0.112		
	4	3.62	3.57	3.67	0.156		
	5	3.83	3.78	3.88	0.146	0.132	6



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-14D	
Client ID : E-99-0.5-1.0	
Date Analyzed (1) : 02/25/20 22:26	Date Analyzed (2) : 02/25/20 22:26
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	82.			
	2	2.71	2.66	2.76	98.2			
	COLUMN 1	3	3.06	3.00	3.10	96.7		
		4	3.22	3.17	3.27	105.		
		5	3.38	3.33	3.43	110	98.4	
COLUMN 2	1	2.95	2.90	3.00	78.4			
	2	3.06	3.01	3.11	98.1			
	3	3.48	3.43	3.53	100			
	4	3.62	3.57	3.67	101.			
	5	3.83	3.78	3.88	105.	96.4	2	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-15D	
Client ID : E-99-3.0-3.5	
Date Analyzed (1) : 02/25/20 16:21	Date Analyzed (2) : 02/25/20 16:21
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.82	4.77	4.87	2.55		
	2	5.02	4.97	5.07	3.2		
COLUMN 1	3	5.48	5.43	5.53	3.3		
	4	5.69	5.64	5.74	3.24		
	5	5.89	5.84	5.94	3.52	3.16	
COLUMN 2	1	5.19	5.14	5.24	2.38		
	2	5.34	5.29	5.39	2.86		
	3	5.86	5.81	5.91	2.88		
	4	6.03	5.98	6.08	3.06		
	5	6.27	6.22	6.32	3.2	2.88	9



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-16D	
Client ID : E-97-0.5-1.0	
Date Analyzed (1) : 02/25/20 16:34	Date Analyzed (2) : 02/25/20 16:34
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.82	4.77	4.87	4.54		
	2	5.02	4.97	5.07	6.1		
COLUMN 1	3	5.48	5.43	5.53	6.08		
	4	5.70	5.64	5.74	6.2		
	5	5.89	5.84	5.94	7.21	6.02	
COLUMN 2	1	5.19	5.14	5.24	4.13		
	2	5.34	5.29	5.39	5.81		
	3	5.86	5.81	5.91	5.69		
	4	6.03	5.98	6.08	6.01		
	5	6.27	6.22	6.32	6.45	5.62	7



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007956
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Lab Sample ID	: L2007956-17D		
Client ID	: E-97-3.0-3.5		
Date Analyzed (1)	: 02/25/20 16:46	Date Analyzed (2)	: 02/25/20 16:46
Instrument ID (1)	: PEST13	Instrument ID (2)	: PEST13
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.82	4.77	4.87	2.53		
	2	5.02	4.97	5.07	3.39		
COLUMN 1	3	5.48	5.43	5.53	3.23		
	4	5.69	5.64	5.74	3.76		
	5	5.89	5.84	5.94	4.08	3.4	
COLUMN 2	1	5.19	5.14	5.24	2.28		
	2	5.34	5.29	5.39	3.21		
	3	5.86	5.81	5.91	3.17		
	4	6.03	5.98	6.08	3.4		
	5	6.27	6.22	6.32	3.67	3.15	8



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2007956-19D	
Client ID : X-10-02212020	
Date Analyzed (1) : 02/25/20 15:57	Date Analyzed (2) : 02/25/20 15:57
Instrument ID (1) : PEST13	Instrument ID (2) : PEST13
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.82	4.77	4.87	0.716		
	2	5.02	4.97	5.07	0.829		
COLUMN 1	3	5.48	5.43	5.53	0.875		
	4	5.70	5.64	5.74	1.02		
	5	5.89	5.84	5.94	1.19	0.928	
COLUMN 2	1	5.19	5.14	5.24	0.756		
	2	5.34	5.29	5.39	0.838		
	3	5.86	5.81	5.91	0.954		
	4	6.03	5.98	6.08	1.22		
	5	6.27	6.22	6.32	1.11	0.975	5



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 3:32 pm
 Operator : pest13:aws
 Sample : l2007956-01d,42e,5,
 Misc : wgl344217,wgl343788,ical16554
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:02:27 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.141	2.146	610.6E6	2000.5E6	250.000	250.000
Standard Area 1 : #1 = 559034838					Recovery =	109.23%
Standard Area 1 : #2 = 1587345391					Recovery =	126.03%
14) i 2154_1br2nb	2.141	2.146	610.6E6	2000.5E6	250.000	250.000
23) i 4268_1br2nb	2.141	2.146	610.6E6	2000.5E6	250.000	250.000
34) i 1248_1br2nb	2.141	2.146	610.6E6	2000.5E6	250.000	250.000
40) i 3262_1br2nb	2.141	2.146	610.6E6	2000.5E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.622	2.739	200.8E6	680.7E6	71.972	72.860
Spiked Amount 500.000	Range 30 - 150				Recovery =	14.39%# 14.57%#
3) s Decachlorobi	6.609	7.022	128.1E6	345.6E6	64.338	64.478
Spiked Amount 500.000	Range 30 - 150				Recovery =	12.87%# 12.90%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.815	5.191	98082247	432.9E6	717.213	988.072
10) l2 1260-2	5.019	5.342	204.9E6	511.3E6	994.733	985.509
11) l2 1260-3	5.482	5.864	91621042	354.0E6	679.928	838.443
12) l2 1260-4	5.695	6.031	220.6E6	659.2E6	717.024M4	754.717
13) l2 1260-5	5.891	6.275	165.0E6	427.1E6	826.112M1	755.581
Sum 1260-1			780.2E6	2384.6E6	3935.009	4322.322
Average 1260-1					787.002	864.464

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 3:32 pm
 Operator : pest13:aws
 Sample : l2007956-01d,42e,5,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:02:27 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	3.431	3.718	21268982	65778936	397.241	365.232
36)	17 1248-2	3.688	4.001	138.1E6	460.2E6	1755.864	1938.480

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-08.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 3:32 pm
 Operator : pest13:aws
 Sample : 12007956-01d,42e,5,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:02:27 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	3.869	4.220	193.2E6	458.5E6	2103.447M1	1552.473
38)	17 1248-4	4.203	4.521	289.9E6	852.7E6	2901.448	2685.859
39)	17 1248-5	4.227	4.558	289.7E6	1057.0E6	3021.915	2838.517
	Sum 1248-1			932.1E6	2894.2E6	10179.915	9380.562
	Average 1248-1					2035.983	1876.112
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

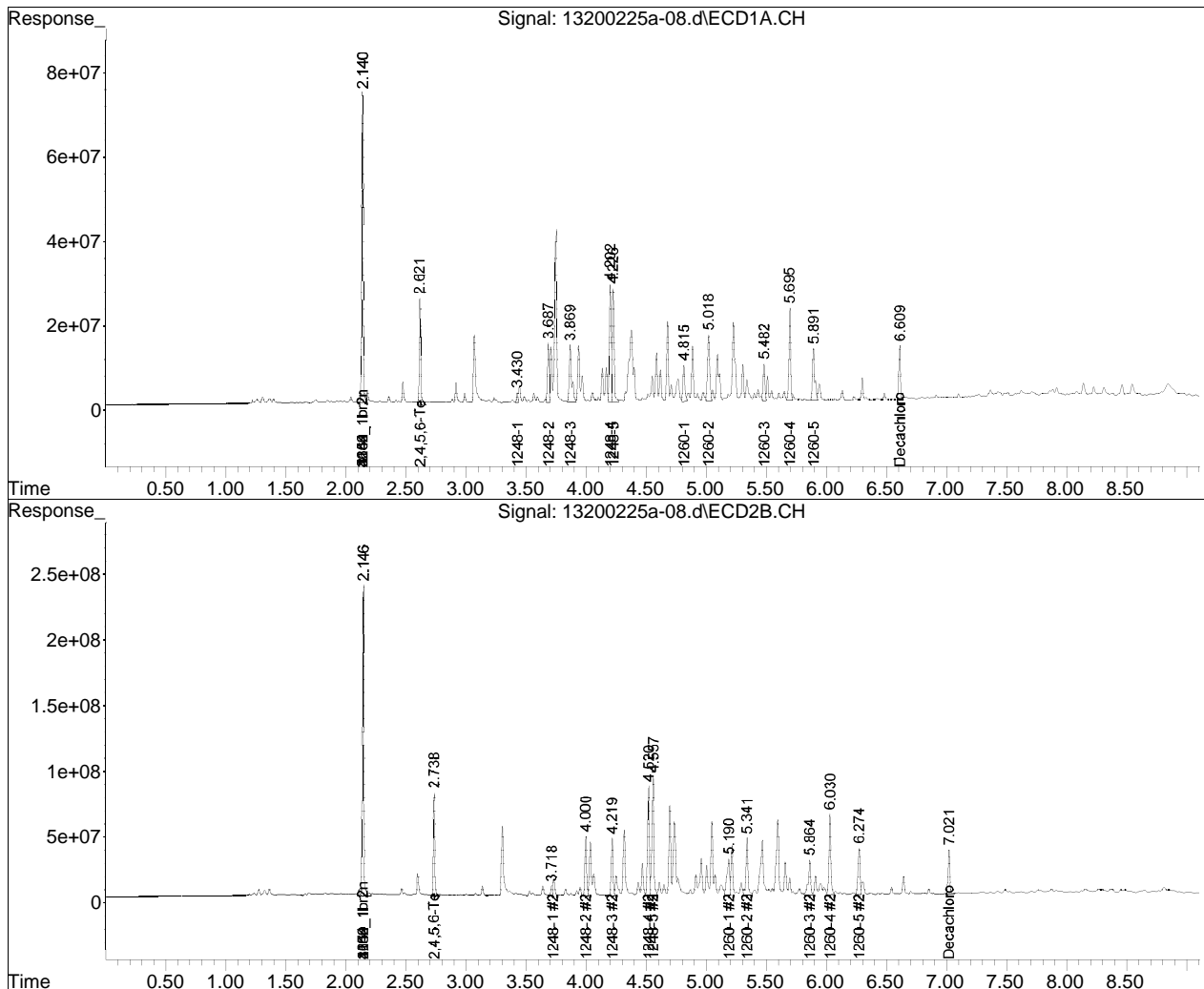
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-03.d••d)

Data Path : I:\Pest13\200225A\
Data File : 13200225a-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 3:32 pm
Operator : pest13:aws
Sample : 12007956-01d,42e,5,
Misc : wg1344217,wg1343788,ical16554
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 19:02:27 2020
Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
Quant Title : pcb
QLast Update : Fri Feb 21 17:10:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

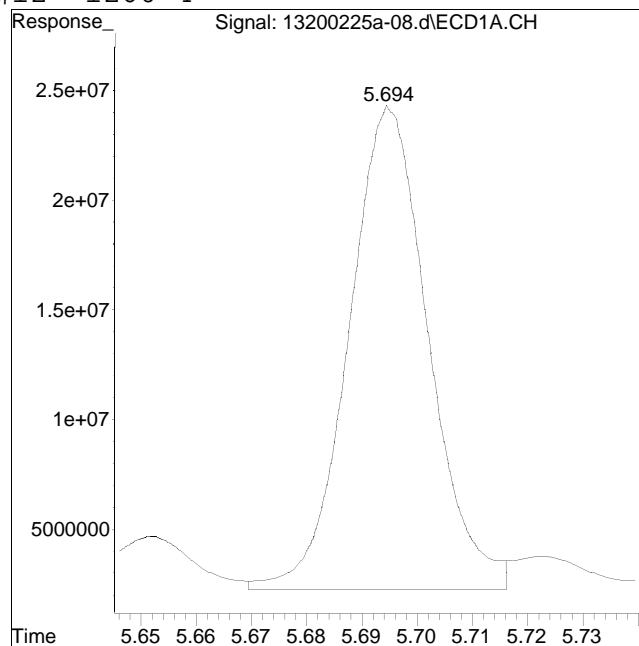
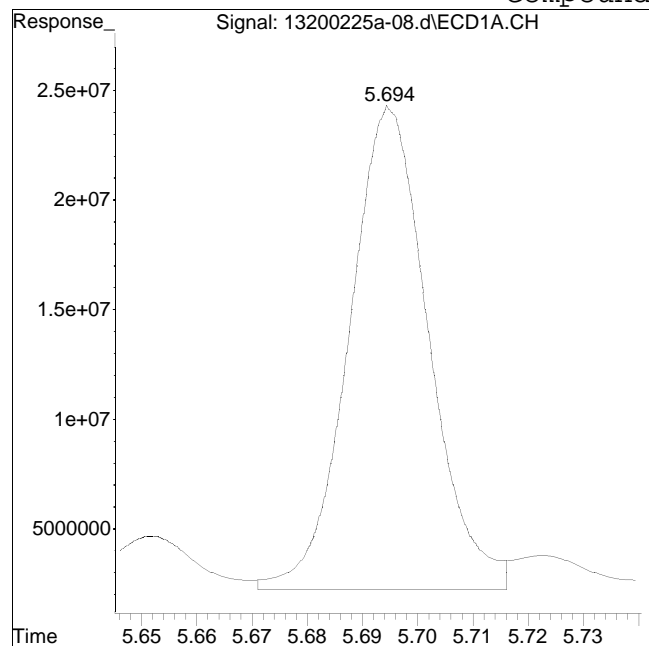


Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-08.d
Date Inj'd : 2/25/2020 3:32 pm
Sample : 12007956-01d,42e,5,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/27/2020 7:00 pm

Compound #12: 1260-4



Original Peak Response = 220297428

Manual Peak Response = 220568936 M4

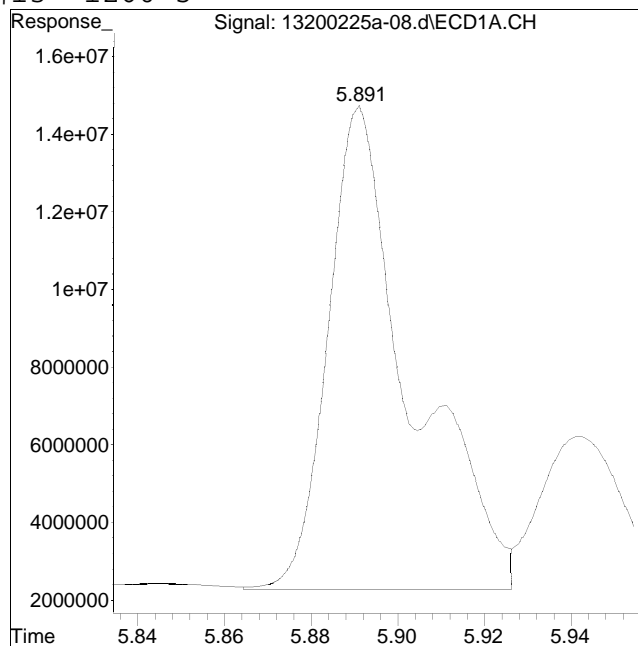
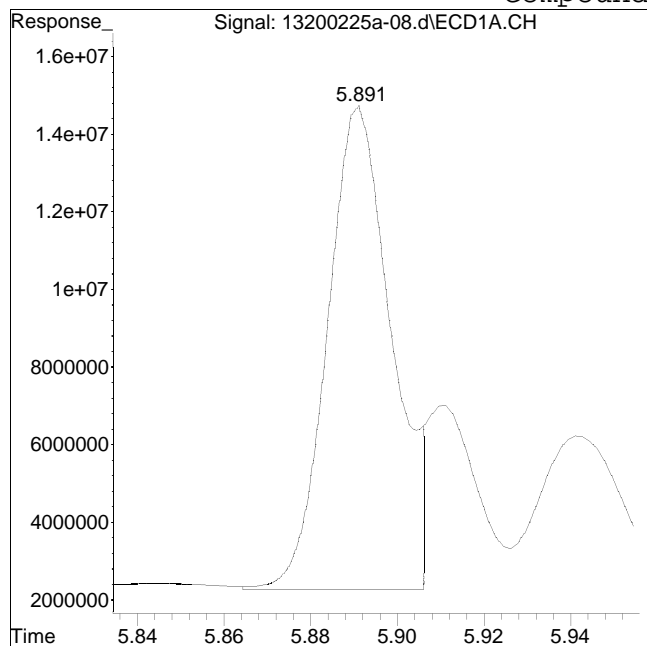
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-08.d
Date Inj'd : 2/25/2020 3:32 pm
Sample : 12007956-01d,42e,5,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/27/2020 7:00 pm

Compound #13: 1260-5



Original Peak Response = 124284058

Manual Peak Response = 165010407 M1

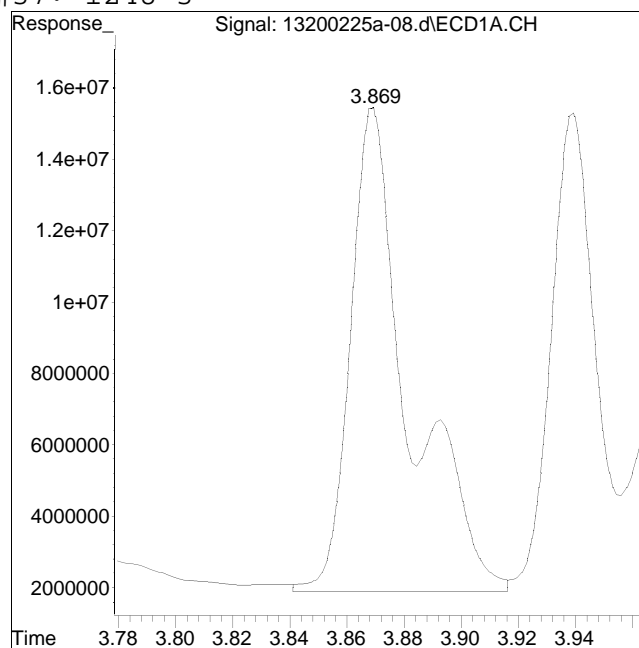
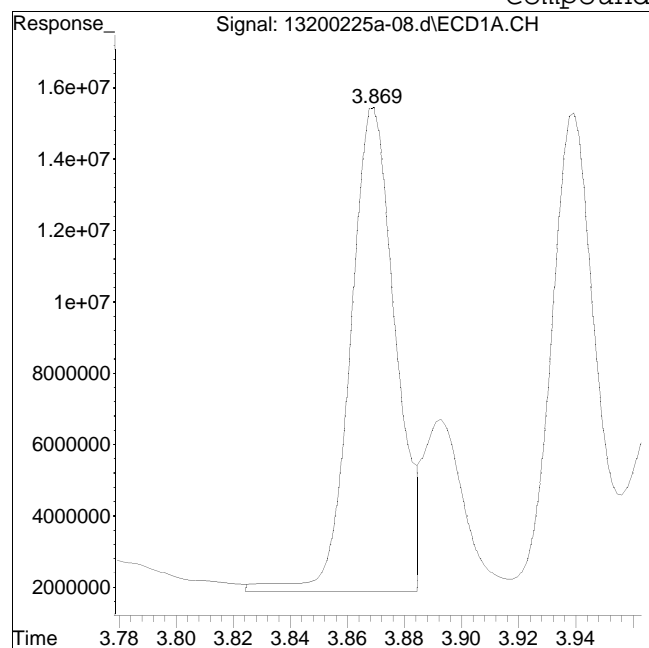
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-08.d
Date Inj'd : 2/25/2020 3:32 pm
Sample : 12007956-01d,42e,5,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/27/2020 7:00 pm

Compound #37: 1248-3



Original Peak Response = 147264990

Manual Peak Response = 193205762 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-09.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 3:45 pm
 Operator : pest13:aws
 Sample : l2007956-11d,42e,5,
 Misc : wgl344217,wgl343788,ical16554
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:03:25 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.141	2.147	566.3E6	1839.1E6	250.000	250.000
Standard Area 1 : #1 = 559034838					Recovery =	101.31%
Standard Area 1 : #2 = 1587345391					Recovery =	115.86%
14) i 2154_1br2nb	2.141	2.147	566.3E6	1839.1E6	250.000	250.000
23) i 4268_1br2nb	2.141	2.147	566.3E6	1839.1E6	250.000	250.000
34) i 1248_1br2nb	2.141	2.147	566.3E6	1839.1E6	250.000	250.000
40) i 3262_1br2nb	2.141	2.147	566.3E6	1839.1E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.622	2.739	264.0E6	818.3E6	102.024	95.267
Spiked Amount 500.000	Range 30 - 150		Recovery =		20.40%#	19.05%#
3) s Decachlorobi	6.610	7.024	126.4E6	1667.8E6	68.478M4	338.409
Spiked Amount 500.000	Range 30 - 150		Recovery =		13.70%#	67.68%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.817	5.192	257.0E6	913.8E6	2025.970	2268.457
10) l2 1260-2	5.020	5.342	478.1E6	1243.0E6	2502.519	2605.787
11) l2 1260-3	5.483	5.864	413.6E6	1148.7E6	3309.346	2958.934
12) l2 1260-4	5.697	6.031	924.7E6	2597.1E6	3240.987	3234.364
13) l2 1260-5	5.892	6.275	791.7E6	1794.3E6	4273.482M4	3452.729
Sum 1260-1			2865.0E6	7696.8E6	15352.305	14520.271
Average 1260-1					3070.461	2904.054

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-09.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 3:45 pm
 Operator : pest13:aws
 Sample : l2007956-11d,42e,5,
 Misc : wg1344217,wg1343788,ical16554
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:03:25 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-09.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 3:45 pm
 Operator : pest13:aws
 Sample : 12007956-11d,42e,5,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:03:25 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

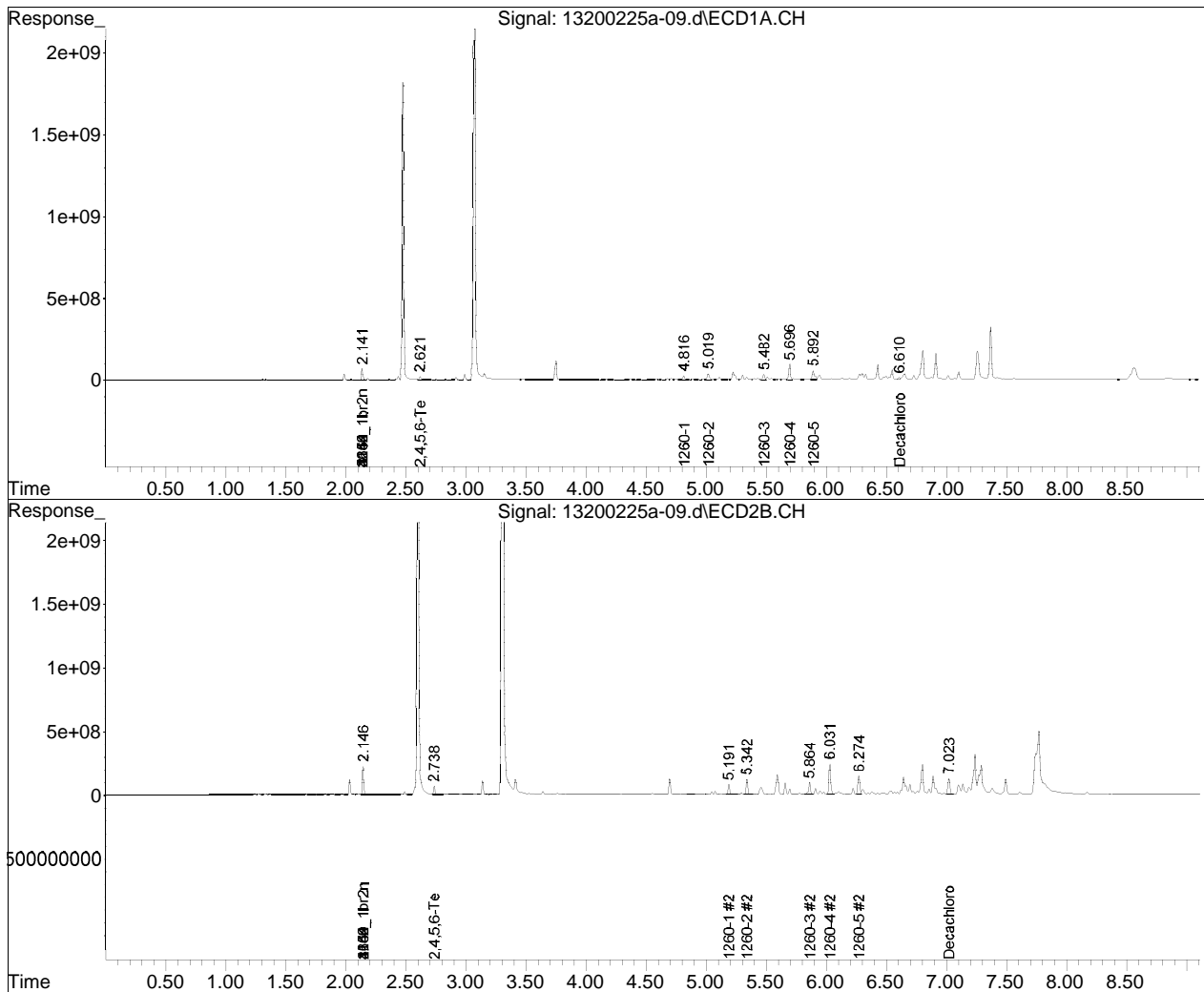
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-03.d••d)

Data Path : I:\Pest13\200225A\
Data File : 13200225a-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 3:45 pm
Operator : pest13:aws
Sample : 12007956-11d,42e,5,
Misc : wg1344217,wg1343788,ical16554
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 19:03:25 2020
Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
Quant Title : pcb
QLast Update : Fri Feb 21 17:10:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

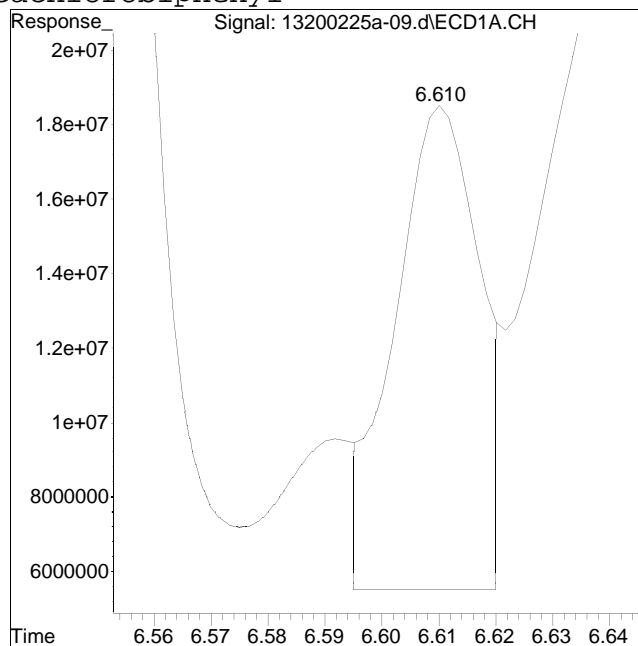
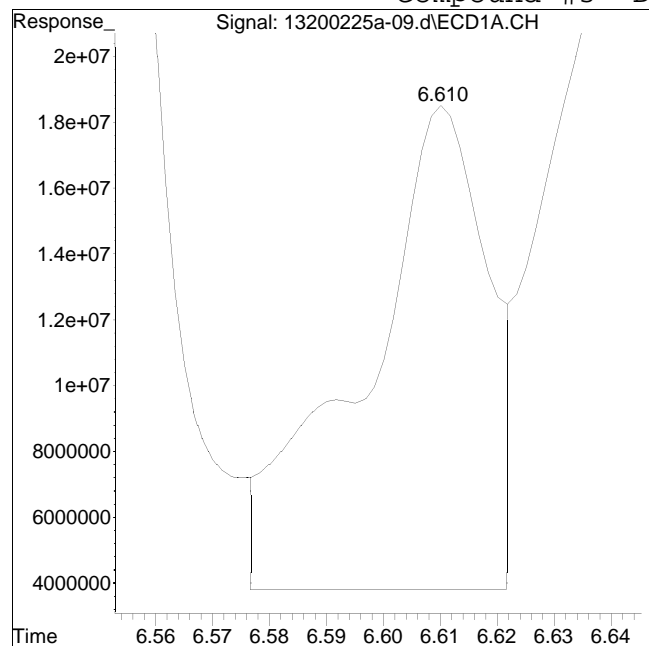


Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-09.d
Date Inj'd : 2/25/2020 3:45 pm
Sample : 12007956-11d,42e,5,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/27/2020 7:00 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 222926841

Manual Peak Response = 126449439 M4

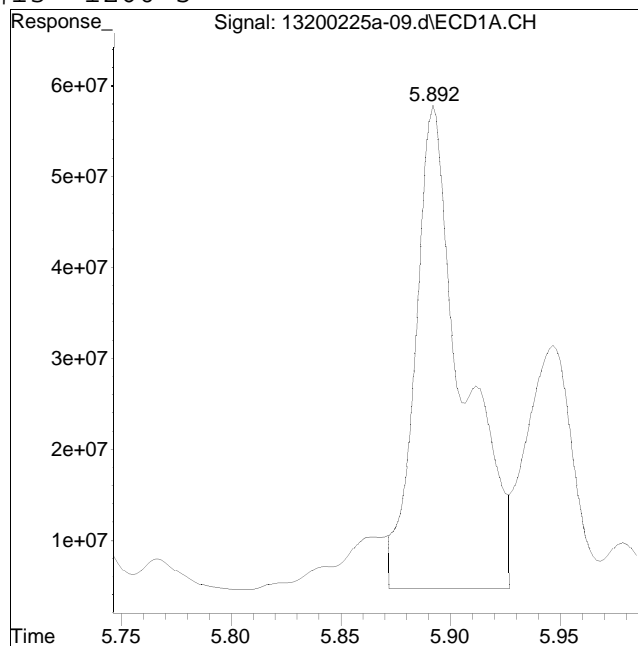
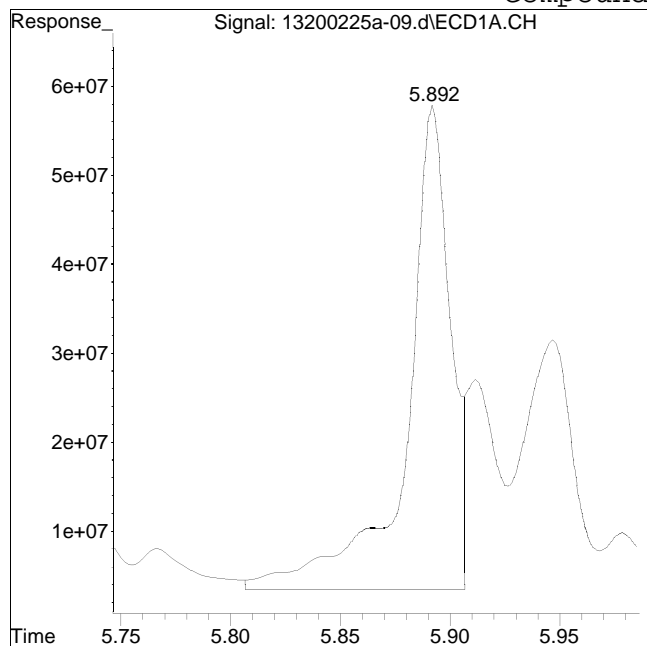
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-09.d
Date Inj'd : 2/25/2020 3:45 pm
Sample : 12007956-11d,42e,5,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/27/2020 7:00 pm

Compound #13: 1260-5



Original Peak Response = 757706734

Manual Peak Response = 791686450 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-10.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 3:57 pm
 Operator : pest13:aws
 Sample : l2007956-19d,42e,5,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:04:12 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.141	2.147	571.2E6	1874.1E6	250.000	250.000
Standard Area 1 : #1 = 559034838					Recovery =	102.18%
Standard Area 1 : #2 = 1587345391					Recovery =	118.06%
14) i 2154_1br2nb	2.141	2.147	571.2E6	1874.1E6	250.000	250.000
23) i 4268_1br2nb	2.141	2.147	571.2E6	1874.1E6	250.000	250.000
34) i 1248_1br2nb	2.141	2.147	571.2E6	1874.1E6	250.000	250.000
40) i 3262_1br2nb	2.141	2.147	571.2E6	1874.1E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.622	2.739	236.2E6	802.7E6	90.498	91.706
Spiked Amount 500.000	Range 30 - 150		Recovery =		18.10%#	18.34%#
3) s Decachlorobi	6.610	7.024	126.4E6	1493.2E6	67.845M4	297.347
Spiked Amount 500.000	Range 30 - 150		Recovery =		13.57%#	59.47%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.816	5.192	247.7E6	839.0E6	1936.298	2043.931
10) l2 1260-2	5.019	5.342	431.8E6	1101.2E6	2241.276	2265.573
11) l2 1260-3	5.483	5.865	298.1E6	1019.7E6	2364.656	2577.765
12) l2 1260-4	5.696	6.032	796.7E6	2687.3E6	2768.675	3284.420
13) l2 1260-5	5.892	6.275	602.5E6	1587.3E6	3224.806	2997.478
Sum 1260-1			2376.8E6	7234.5E6	12535.711	13169.167
Average 1260-1					2507.142	2633.833

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-10.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 3:57 pm
 Operator : pest13:aws
 Sample : l2007956-19d,42e,5,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:04:12 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-10.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 3:57 pm
 Operator : pest13:aws
 Sample : 12007956-19d,42e,5,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:04:12 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

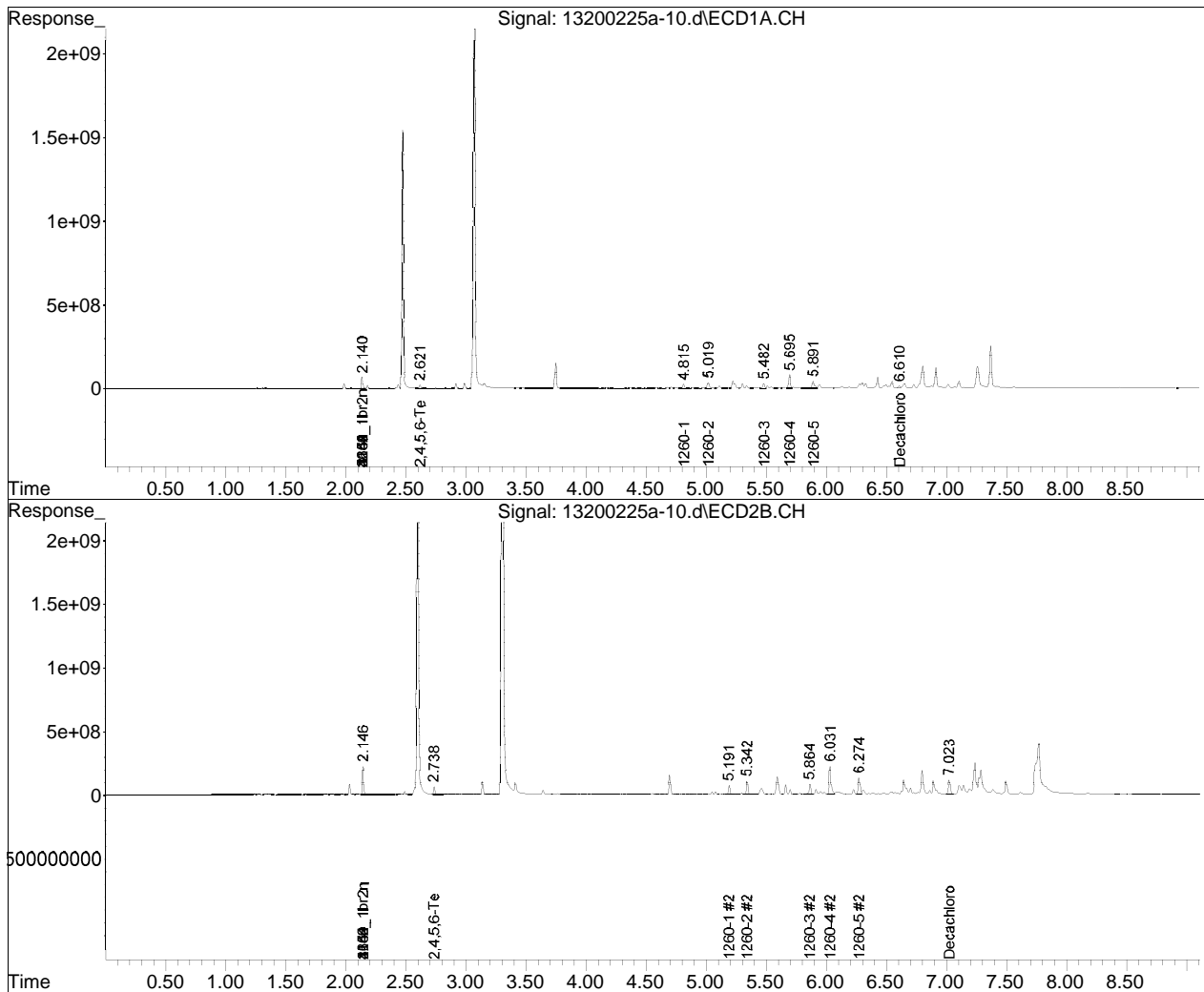
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-03.d••d)

Data Path : I:\Pest13\200225A\
Data File : 13200225a-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 3:57 pm
Operator : pest13:aws
Sample : 12007956-19d,42e,5,
Misc : wg1344217,wg1343788,ical16554
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 19:04:12 2020
Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
Quant Title : pcb
QLast Update : Fri Feb 21 17:10:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

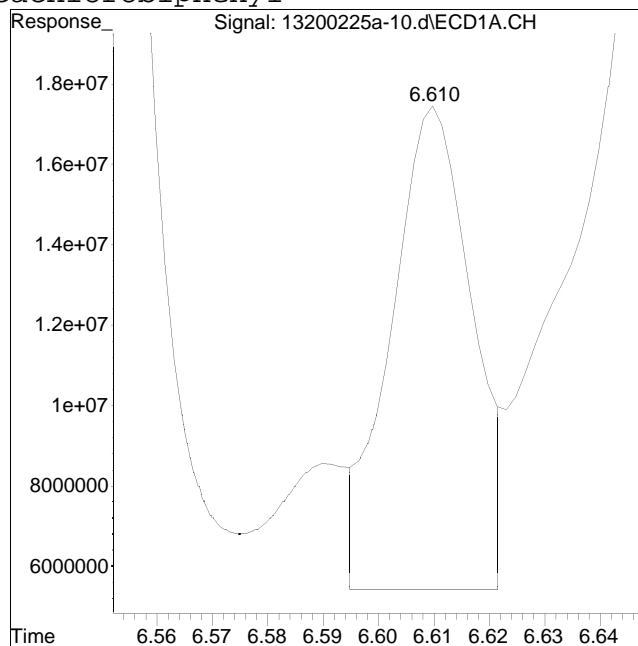
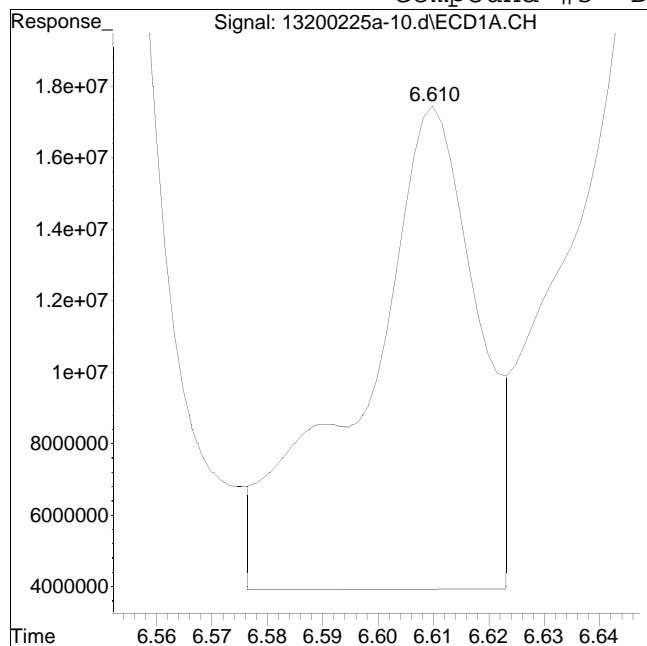


Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-10.d
Date Inj'd : 2/25/2020 3:57 pm
Sample : 12007956-19d,42e,5,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/27/2020 7:00 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 195563087

Manual Peak Response = 126354724 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:21 pm
 Operator : pest13:aws
 Sample : l2007956-15d,42e,20,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:04:54 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.141	2.146	620.2E6	2059.8E6	250.000	250.000
Standard Area 1 : #1 = 559034838					Recovery =	110.94%
Standard Area 1 : #2 = 1587345391					Recovery =	129.77%
14) i 2154_1br2nb	2.141	2.146	620.2E6	2059.8E6	250.000	250.000
23) i 4268_1br2nb	2.141	2.146	620.2E6	2059.8E6	250.000	250.000
34) i 1248_1br2nb	2.141	2.146	620.2E6	2059.8E6	250.000	250.000
40) i 3262_1br2nb	2.141	2.146	620.2E6	2059.8E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.815	5.191	224.5E6	679.7E6	1616.525	1506.666
10) l2 1260-2	5.019	5.342	424.0E6	968.3E6	2026.507	1812.500
11) l2 1260-3	5.482	5.863	286.7E6	794.1E6	2094.935	1826.445
12) l2 1260-4	5.694	6.031	641.9E6	1747.4E6	2054.470	1943.023
13) l2 1260-5	5.890	6.274	452.8E6	1183.2E6	2231.949M1	2032.863
Sum 1260-1			2029.9E6	5372.8E6	10024.386	9121.497
Average 1260-1					2004.877	1824.299

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:21 pm
 Operator : pest13:aws
 Sample : 12007956-15d,42e,20,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:04:54 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:21 pm
 Operator : pest13:aws
 Sample : 12007956-15d,42e,20,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:04:54 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D.	
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

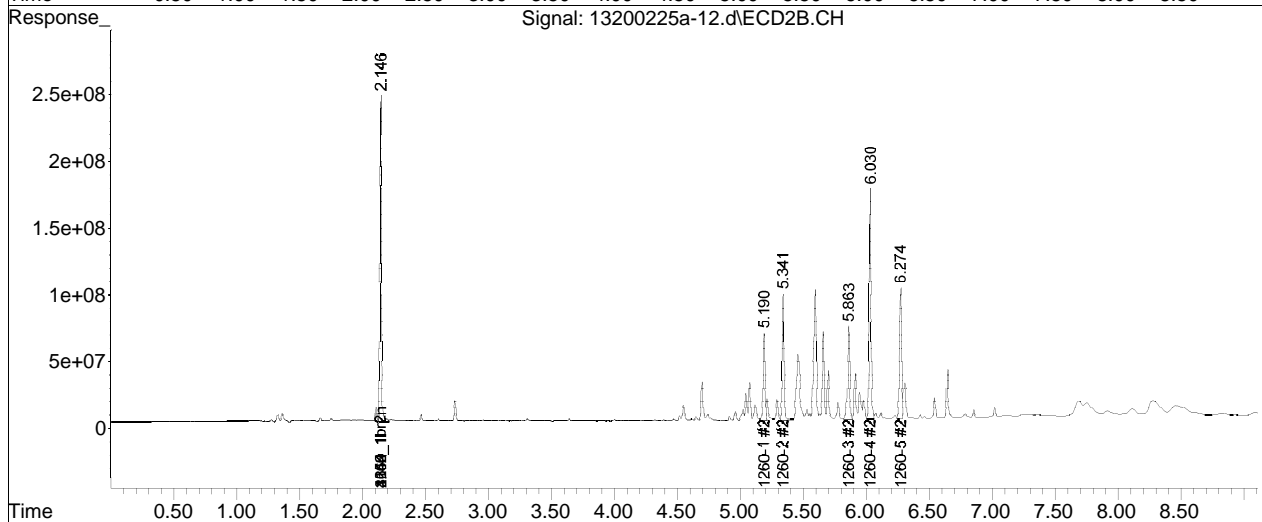
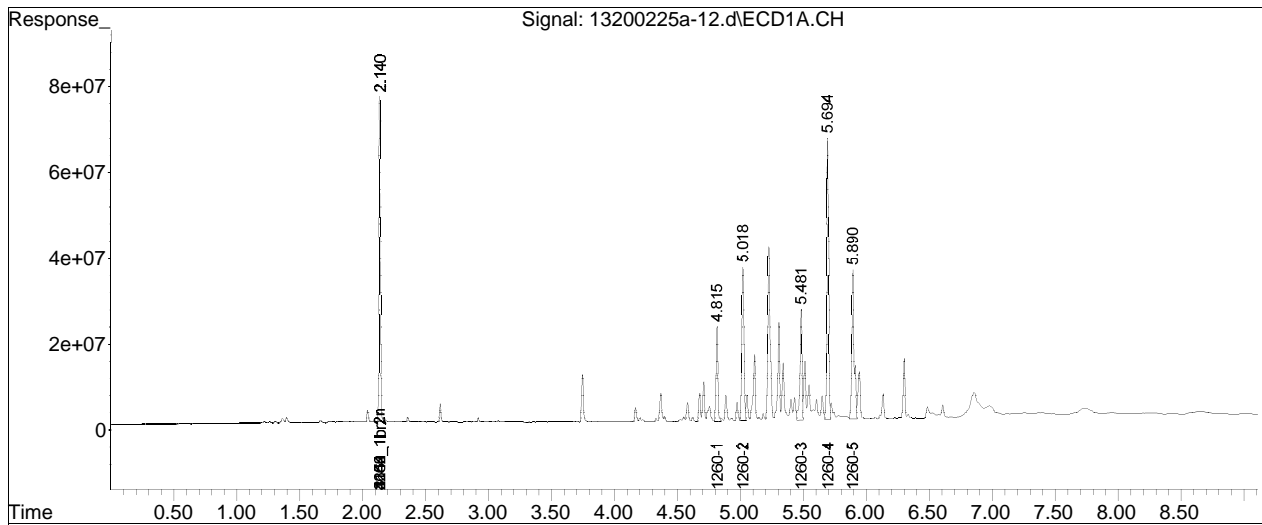
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-03.d••d)

Data Path : I:\Pest13\200225A\
Data File : 13200225a-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 4:21 pm
Operator : pest13:aws
Sample : 12007956-15d,42e,20,
Misc : wg1344217,wg1343788,ical16554
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 19:04:54 2020
Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
Quant Title : pcb
QLast Update : Fri Feb 21 17:10:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

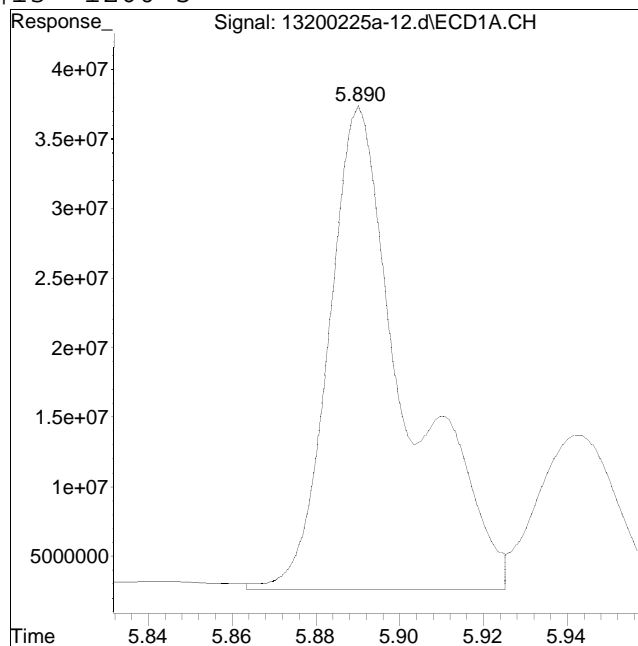
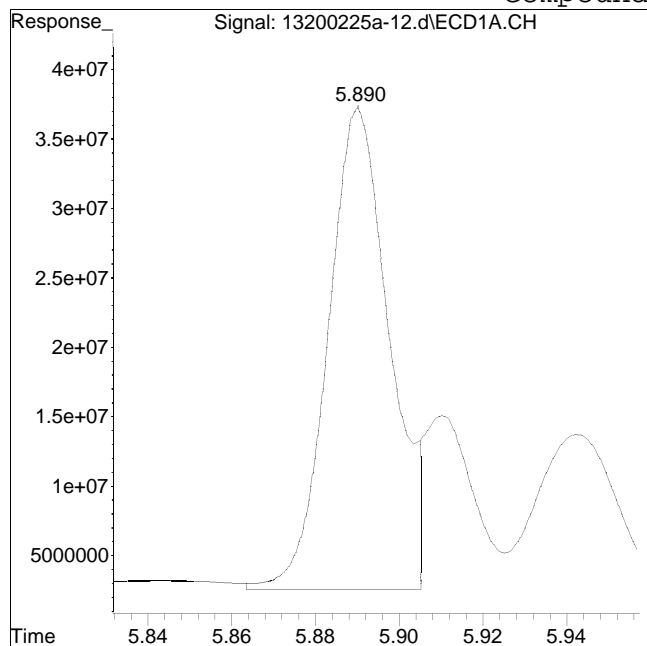


Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-12.d
Date Inj'd : 2/25/2020 4:21 pm
Sample : 12007956-15d,42e,20,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/27/2020 7:00 pm

Compound #13: 1260-5



Original Peak Response = 345404636

Manual Peak Response = 452799927 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-13.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:34 pm
 Operator : pest13:aws
 Sample : 12007956-16d,42e,20,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:05:20 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.141	2.146	615.7E6	2015.0E6	250.000	250.000
Standard Area 1 : #1 = 559034838					Recovery =	110.14%
Standard Area 1 : #2 = 1587345391					Recovery =	126.94%
14) i 2154_1br2nb	2.141	2.146	615.7E6	2015.0E6	250.000	250.000
23) i 4268_1br2nb	2.141	2.146	615.7E6	2015.0E6	250.000	250.000
34) i 1248_1br2nb	2.141	2.146	615.7E6	2015.0E6	250.000	250.000
40) i 3262_1br2nb	2.141	2.146	615.7E6	2015.0E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D. d	N.D. d
Average 1016-1					0.000	0.000
9) l2 1260-1	4.815	5.192	388.9E6	1132.0E6	2820.175	2565.032
10) l2 1260-2	5.019	5.342	787.1E6	1886.9E6	3789.826	3610.581
11) l2 1260-3	5.482	5.864	513.9E6	1504.0E6	3781.985	3536.013
12) l2 1260-4	5.695	6.031	1196.5E6	3286.1E6	3857.550	3735.318
13) l2 1260-5	5.891	6.274	902.3E6	2283.8E6	4479.914M1	4011.079
Sum 1260-1			3788.6E6	10092.8E6	18729.451	17458.022
Average 1260-1					3745.890	3491.604

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-13.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:34 pm
 Operator : pest13:aws
 Sample : l2007956-16d,42e,20,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:05:20 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-13.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:34 pm
 Operator : pest13:aws
 Sample : 12007956-16d,42e,20,
 Misc : wg1344217,wg1343788,ical16554
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:05:20 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D.	
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-13.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:34 pm
 Operator : pest13:aws
 Sample : 12007956-16d,42e,20,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:05:20 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

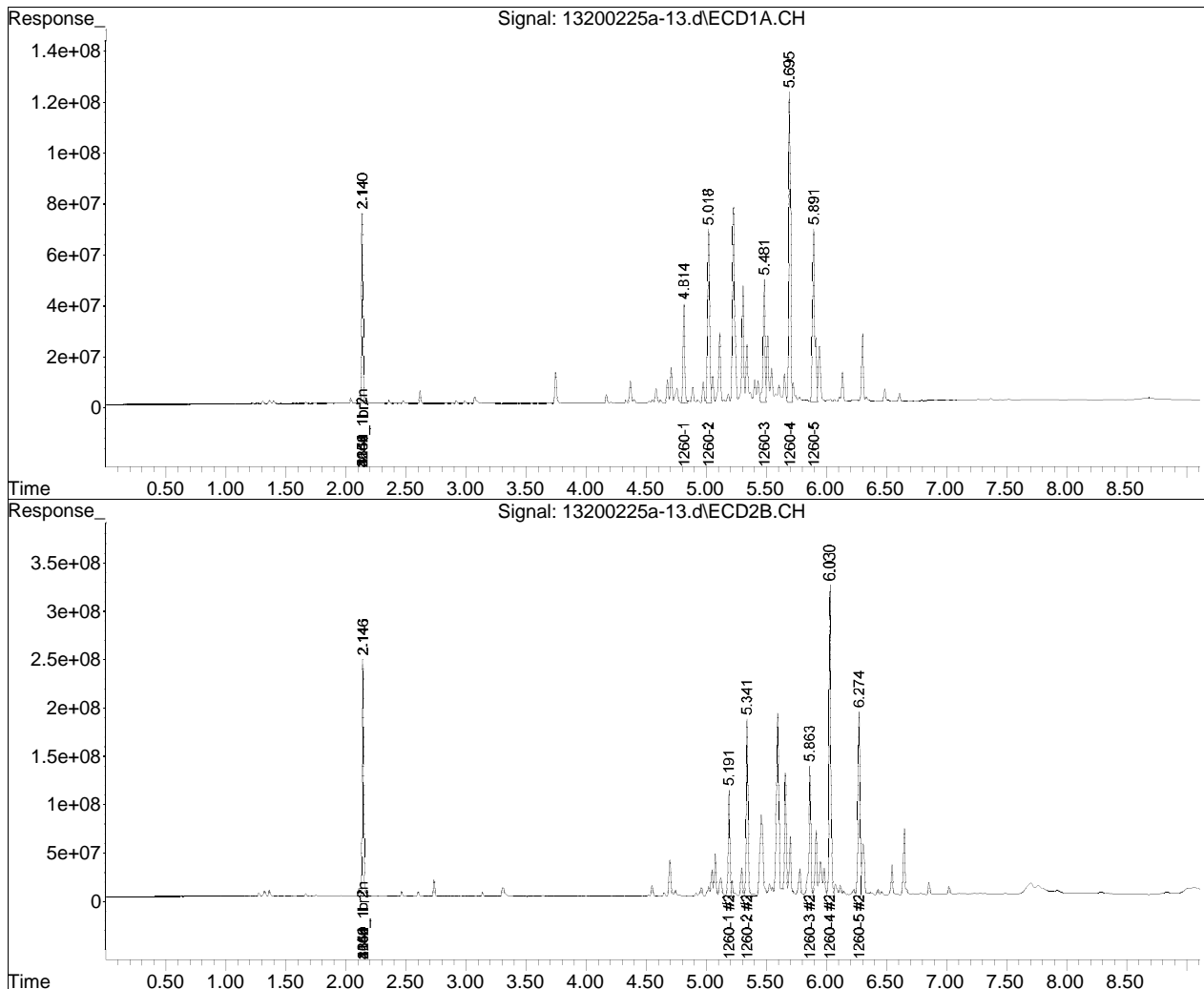
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-03.d••d)

Data Path : I:\Pest13\200225A\
Data File : 13200225a-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 4:34 pm
Operator : pest13:aws
Sample : 12007956-16d,42e,20,
Misc : wg1344217,wg1343788,ical16554
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 19:05:20 2020
Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
Quant Title : pcb
QLast Update : Fri Feb 21 17:10:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

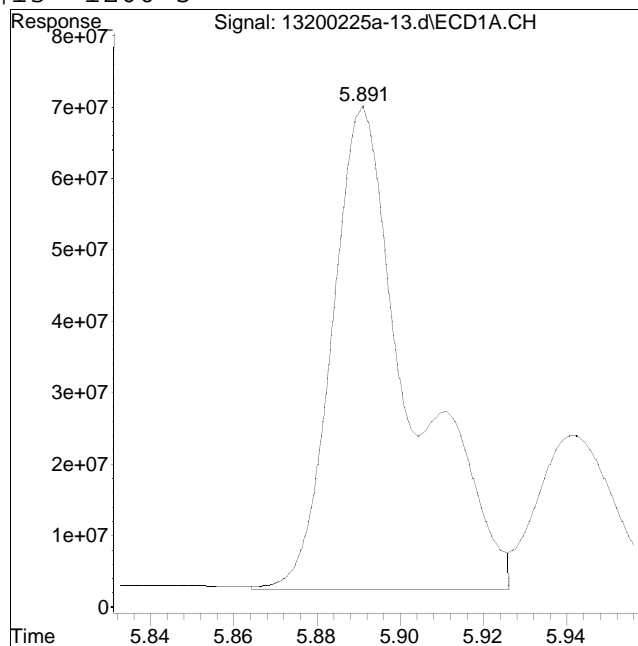
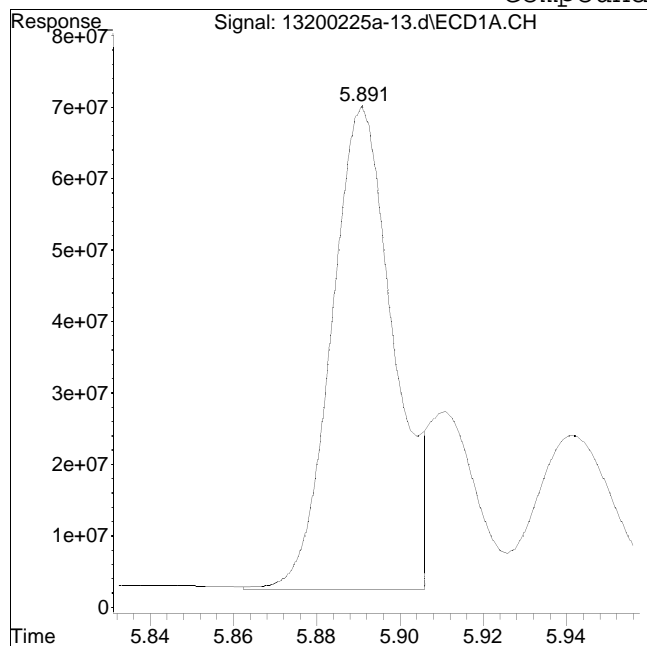


Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-13.d
Date Inj'd : 2/25/2020 4:34 pm
Sample : 12007956-16d,42e,20,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/27/2020 7:00 pm

Compound #13: 1260-5



Original Peak Response = 677293635

Manual Peak Response = 902259290 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-14.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:46 pm
 Operator : pest13:aws
 Sample : l2007956-17d,42e,20,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:05:57 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.140	2.146	619.3E6	2036.6E6	250.000	250.000
Standard Area 1 : #1 = 559034838					Recovery = 110.78%	
Standard Area 1 : #2 = 1587345391					Recovery = 128.30%	
14) i 2154_1br2nb	2.140	2.146	619.3E6	2036.6E6	250.000	250.000
23) i 4268_1br2nb	2.140	2.146	619.3E6	2036.6E6	250.000	250.000
34) i 1248_1br2nb	2.140	2.146	619.3E6	2036.6E6	250.000	250.000
40) i 3262_1br2nb	2.140	2.146	619.3E6	2036.6E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery = 0.00%#		0.00%#	
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery = 0.00%#		0.00%#	
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D. d	N.D. d
Average 1016-1					0.000	0.000
9) l2 1260-1	4.815	5.191	213.8E6	620.4E6	1541.811	1390.809
10) l2 1260-2	5.019	5.342	432.2E6	1034.7E6	2069.031	1958.858
11) l2 1260-3	5.482	5.864	269.3E6	831.2E6	1970.750	1933.454
12) l2 1260-4	5.694	6.031	715.2E6	1845.7E6	2292.391M4	2075.794
13) l2 1260-5	5.890	6.274	504.2E6	1286.1E6	2488.776M1	2234.819
Sum 1260-1			2134.8E6	5618.0E6	10362.759	9593.734
Average 1260-1					2072.552	1918.747

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-14.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:46 pm
 Operator : pest13:aws
 Sample : l2007956-17d,42e,20,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:05:57 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200225A\
 Data File : 13200225a-14.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:46 pm
 Operator : pest13:aws
 Sample : 12007956-17d,42e,20,
 Misc : wgl1344217,wgl1343788,ical16554
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 19:05:57 2020
 Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200225A\13200225a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D.	
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

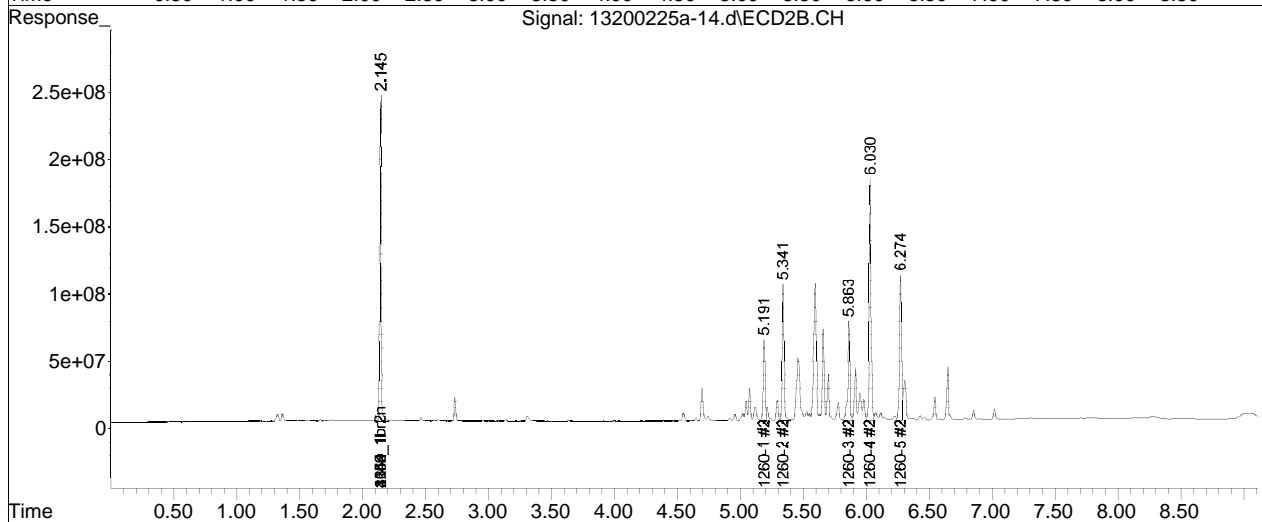
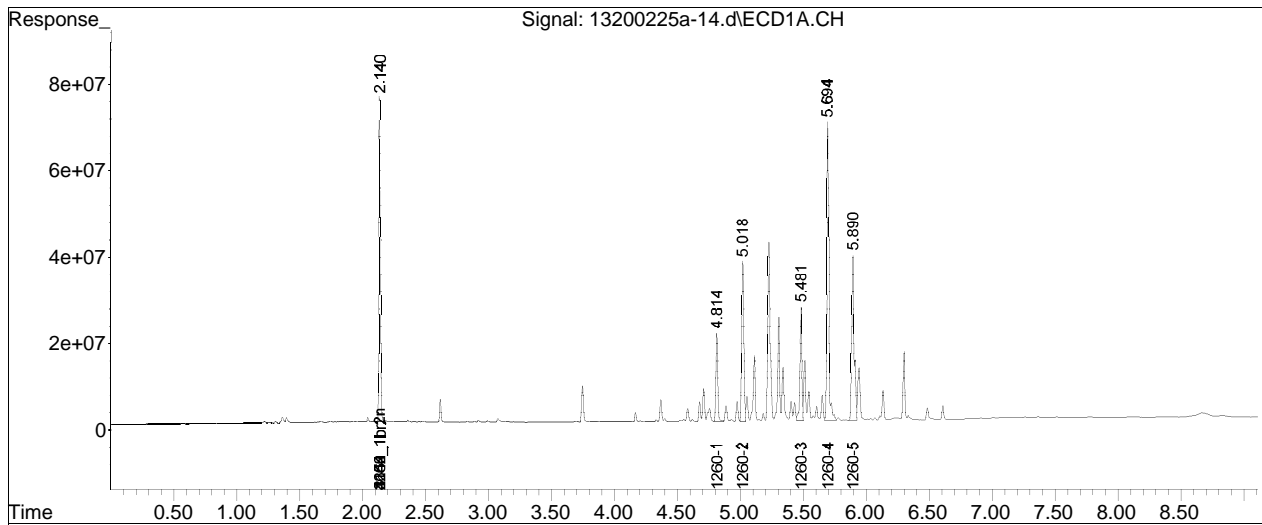
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-03.d••d)

Data Path : I:\Pest13\200225A\
Data File : 13200225a-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 4:46 pm
Operator : pest13:aws
Sample : 12007956-17d,42e,20,
Misc : wg1344217,wg1343788,ical16554
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 19:05:57 2020
Quant Method : I:\Pest13\200225A\P13_pcb_02_20_20_ugL_ICAL16554.m
Quant Title : pcb
QLast Update : Fri Feb 21 17:10:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

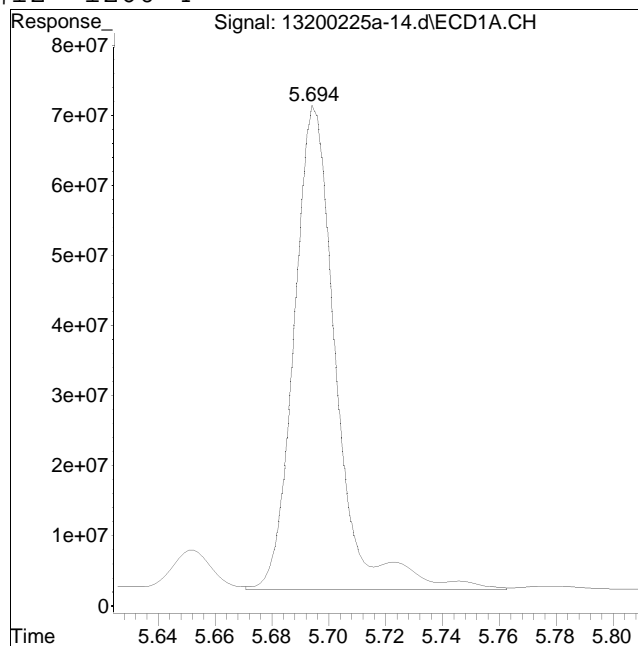
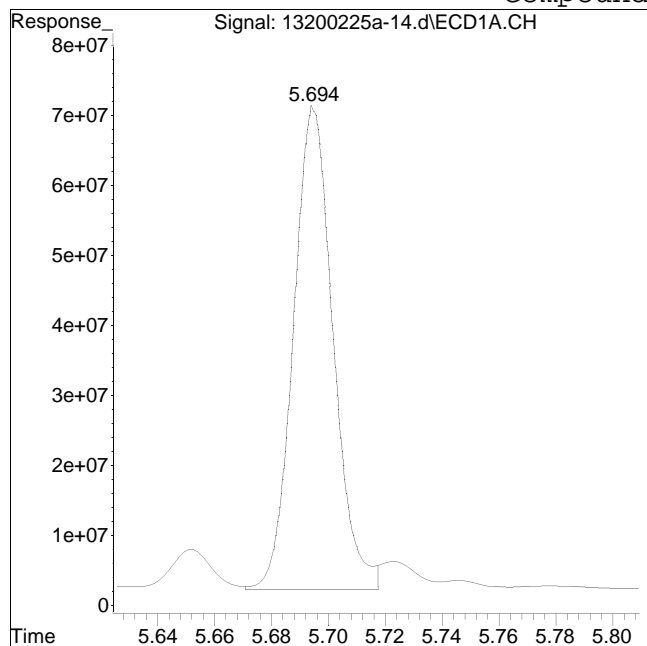


Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-14.d
Date Inj'd : 2/25/2020 4:46 pm
Sample : 12007956-17d,42e,20,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/27/2020 7:00 pm

Compound #12: 1260-4



Original Peak Response = 666642636

Manual Peak Response = 715211106 M4

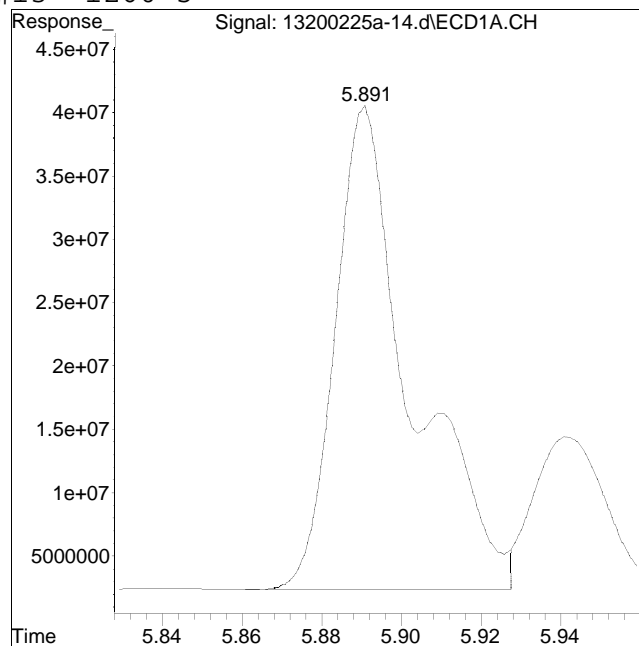
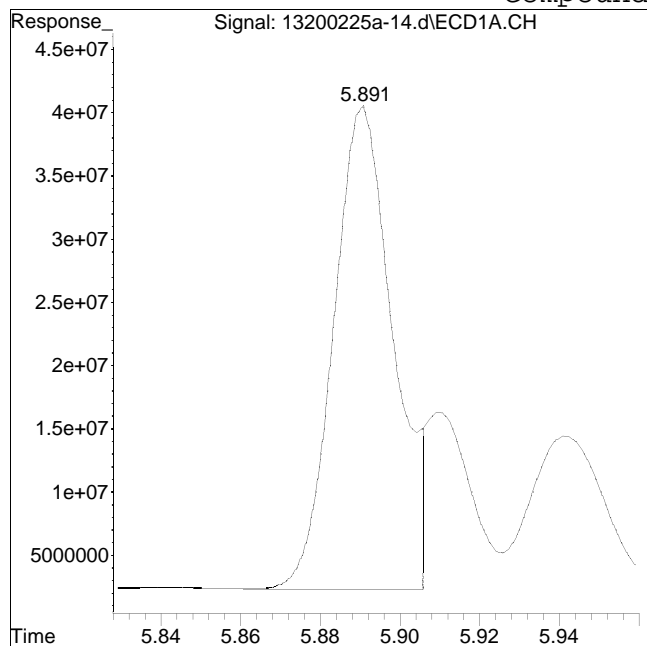
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest13\200225A\
Data File : 13200225a-14.d
Date Inj'd : 2/25/2020 4:46 pm
Sample : 12007956-17d,42e,20,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:aws
Instrument : PEST 13
Quant Date : 2/27/2020 7:00 pm

Compound #13: 1260-5



Original Peak Response = 385975748

Manual Peak Response = 504188328 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 10:26 pm
 Operator : pest19:aws
 Sample : l2007956-14d,42e,500,
 Misc : wgl1344121,wgl1343788,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:23:43 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.033	30114706	44933771	250.000	250.000
Standard Area 1 : #1 = 29908086					Recovery =	100.69%
Standard Area 1 : #2 = 44679959					Recovery =	100.57%
14) i 2154_1br2nb	0.991	1.033	30114706	44933771	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	30114706	44933771	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	30114706	44933771	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	30114706	44933771	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.567	2.948	16371386	23857107	2062.696	1973.720M4
10) l2 1260-2	2.712	3.063	29492522	34991160	2471.329	2466.947
11) l2 1260-3	3.055	3.479	18885177	31095441	2431.794	2515.194
12) l2 1260-4	3.225	3.621	43211482	65946078	2646.205	2534.796
13) l2 1260-5	3.382	3.832	32552314	47662492	2758.776M1	2637.237
Sum 1260-1			140.5E6	203.6E6	12370.800	12127.893
Average 1260-1					2474.160	2425.579

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 10:26 pm
 Operator : pest19:aws
 Sample : l2007956-14d,42e,500,
 Misc : wgl1344121,wgl1343788,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:23:43 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200225a\
 Data File : 19200225a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2020 10:26 pm
 Operator : pest19:aws
 Sample : 12007956-14d,42e,500,
 Misc : wgl1344121,wgl1343788,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:23:43 2020
 Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200225a\19200225a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

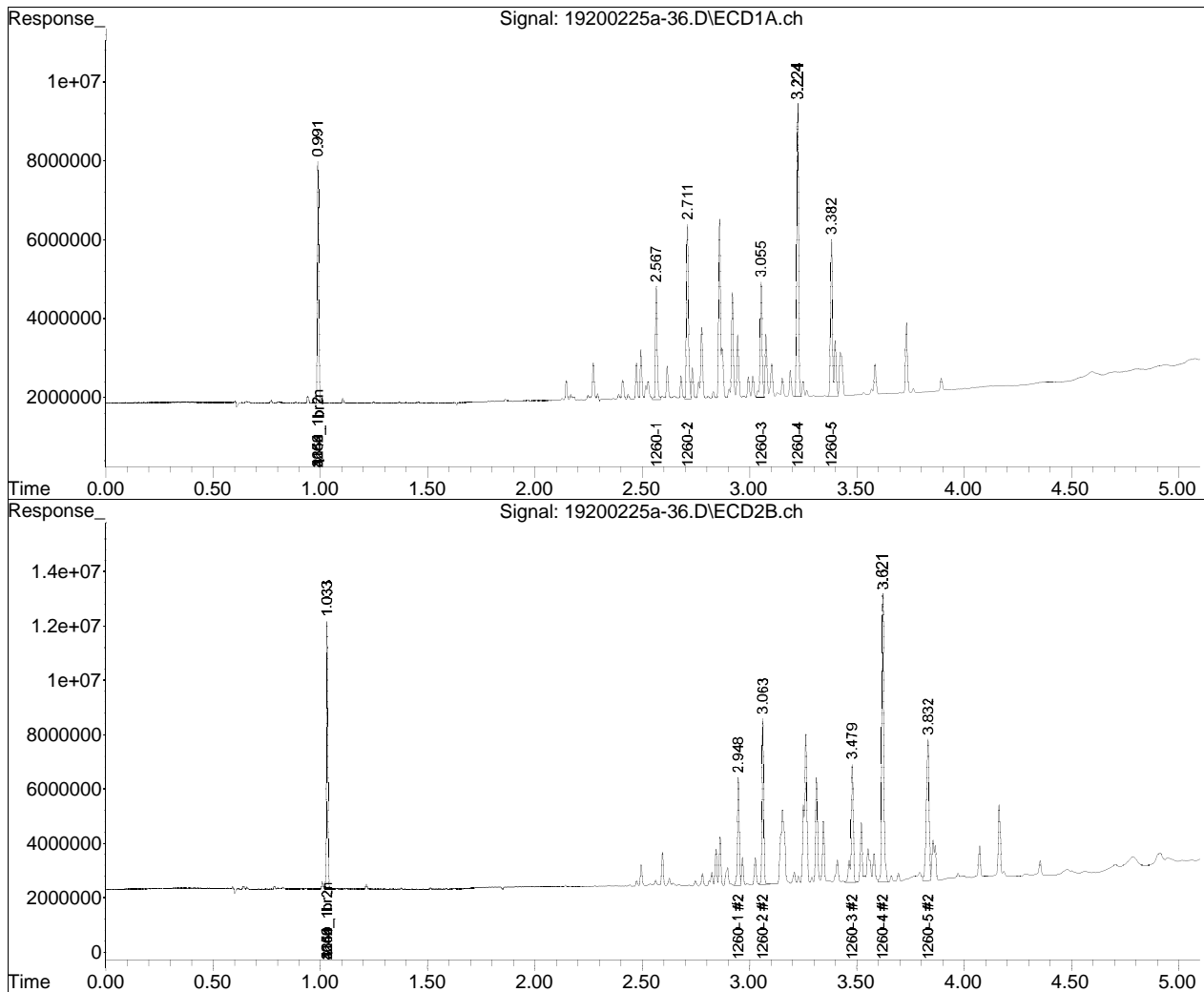
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-23.D••d)

Data Path : I:\Pest19\200225a\
Data File : 19200225a-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2020 10:26 pm
Operator : pest19:aws
Sample : 12007956-14d,42e,500,
Misc : wg1344121,wg1343788,ical16321
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:23:43 2020
Quant Method : I:\Pest19\200225a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

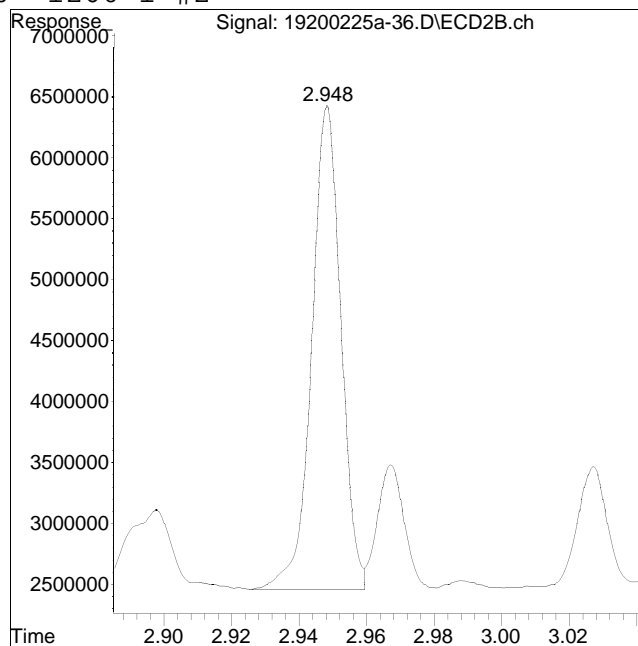
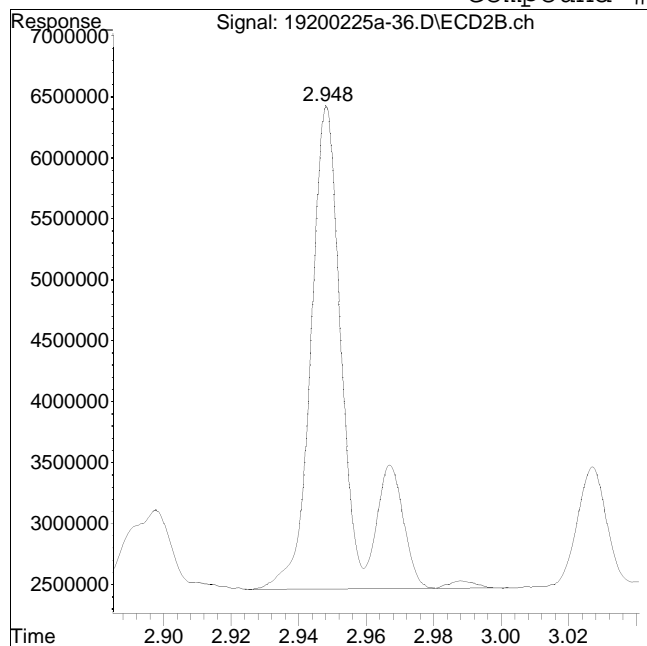


Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-36.D
Date Inj'd : 2/25/2020 10:26 pm
Sample : 12007956-14d,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/26/2020 2:05 pm

Compound #60: 1260-1 #2



Original Peak Response = 29608606

Manual Peak Response = 23857107 M4

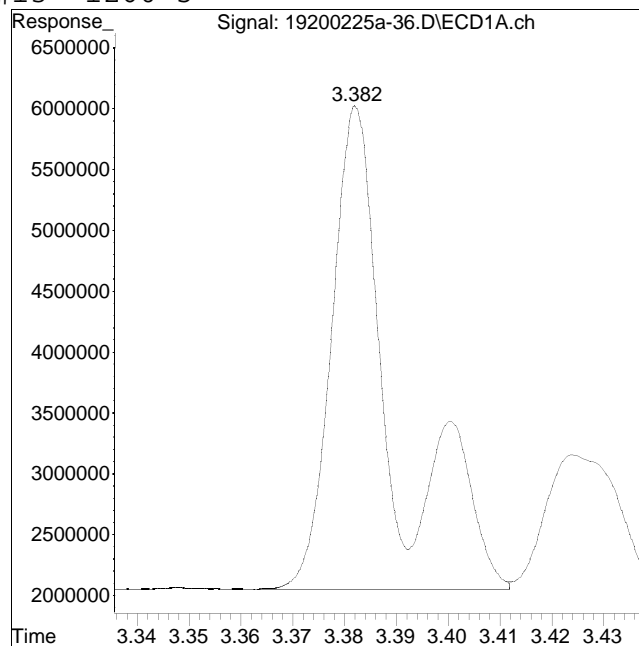
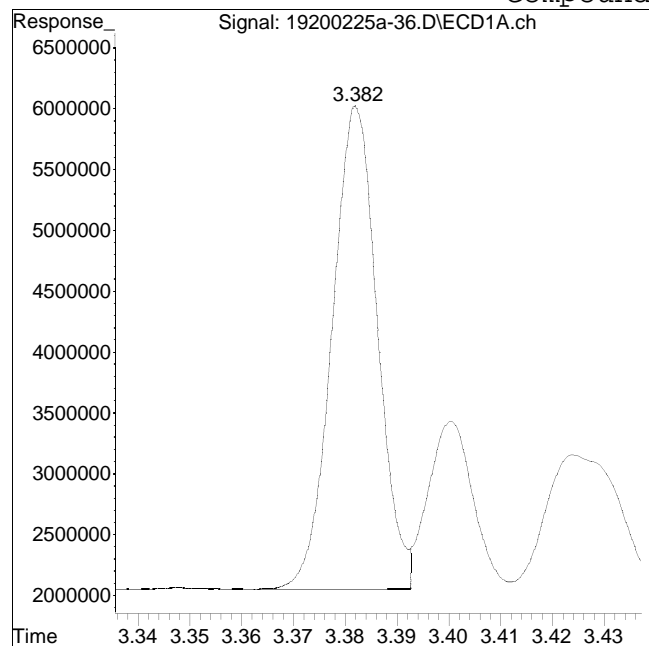
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200225a\
Data File : 19200225a-36.D
Date Inj'd : 2/25/2020 10:26 pm
Sample : 12007956-14d,42e,500,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/26/2020 2:05 pm

Compound #13: 1260-5



Original Peak Response = 24108463

Manual Peak Response = 32552314 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200303b\
 Data File : 19200303b-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Mar 2020 03:26 pm
 Operator : pest19:ad
 Sample : l2007956-13,42e,,
 Misc : wgl1346596,wgl1345995,ical16321
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 20:49:05 2020
 Quant Method : I:\Pest19\200303b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Tue Mar 03 23:37:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200303b\19200303b-24.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.032	31976855	48440486	250.000	250.000
Standard Area 1 : #1 = 29047353					Recovery =	110.09%
Standard Area 1 : #2 = 43273741					Recovery =	111.94%
14) i 2154_1br2nb	0.991	1.032	31976855	48440486	250.000	250.000
23) i 4268_1br2nb	0.991	1.032	31976855	48440486	250.000	250.000
34) i 1248_1br2nb	0.991	1.032	31976855	48440486	250.000	250.000
40) i 3262_1br2nb	0.991	1.032	31976855	48440486	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.246	1.374	67630006	89739689	405.282	362.717
Spiked Amount 500.000	Range 30 - 150				Recovery =	81.06%
72.54%						
3) s Decachlorobi	4.000	4.506	41136671	76877442	307.321	368.386
Spiked Amount 500.000	Range 30 - 150				Recovery =	61.46%
73.68%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.564	2.947	12797601	18300365	1518.522	1404.403
10) l2 1260-2	2.709	3.061	23692065	29149190	1869.668	1906.305
11) l2 1260-3	3.053	3.478	15073344	20193160	1827.924	1515.107
12) l2 1260-4	3.223	3.620	35346470	59055405	2038.512	2105.610
13) l2 1260-5	3.381	3.832	27714179	38381421	2211.971M4	1969.962
Sum 1260-1			114.6E6	165.1E6	9466.597	8901.387
Average 1260-1					1893.319	1780.277

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200303b\
 Data File : 19200303b-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Mar 2020 03:26 pm
 Operator : pest19:ad
 Sample : 12007956-13,42e,,
 Misc : wgl1346596,wgl1345995,ical16321
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 20:49:05 2020
 Quant Method : I:\Pest19\200303b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Tue Mar 03 23:37:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200303b\19200303b-24.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200303b\
 Data File : 19200303b-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Mar 2020 03:26 pm
 Operator : pest19:ad
 Sample : 12007956-13,42e,,
 Misc : wgl1346596,wgl1345995,ical16321
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 20:49:05 2020
 Quant Method : I:\Pest19\200303b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Tue Mar 03 23:37:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200303b\19200303b-24.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

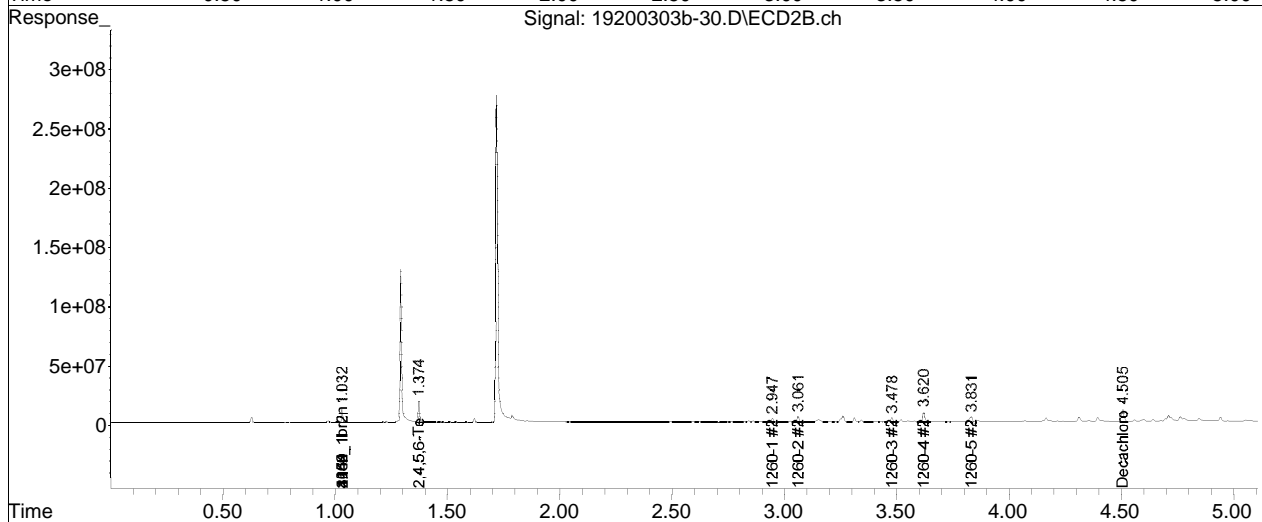
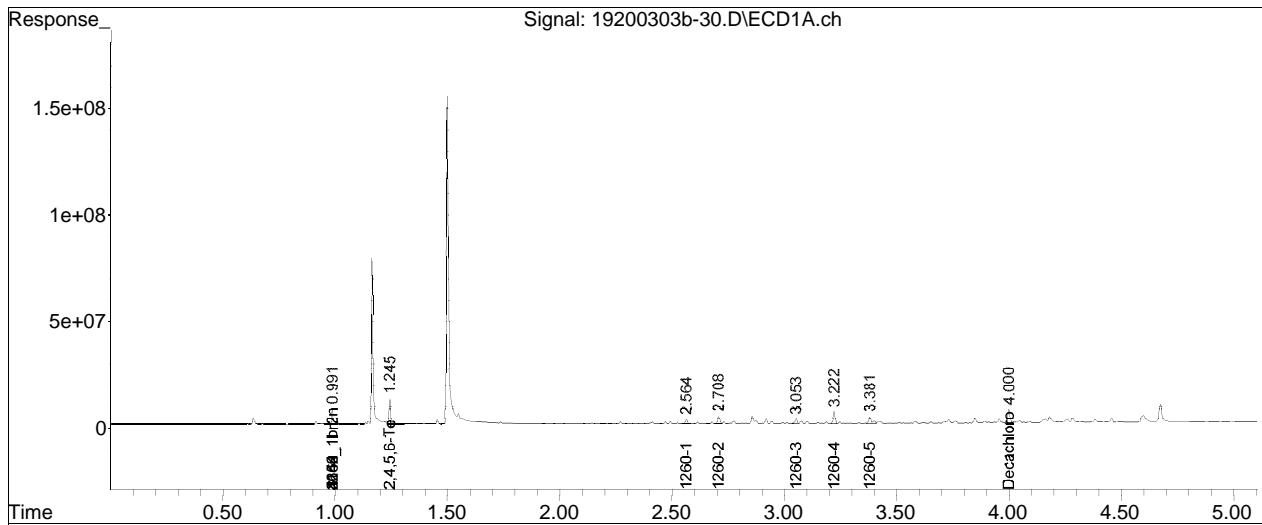
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 25% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-24.D••d)

Data Path : I:\Pest19\200303b\
Data File : 19200303b-30.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Mar 2020 03:26 pm
Operator : pest19:ad
Sample : l2007956-13,42e,,
Misc : wg1346596,wg1345995,ical16321
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 20:49:05 2020
Quant Method : I:\Pest19\200303b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Tue Mar 03 23:37:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

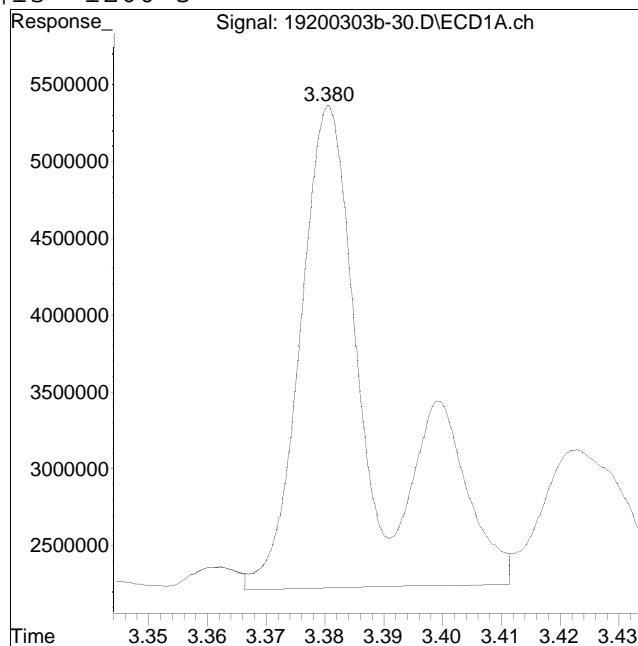
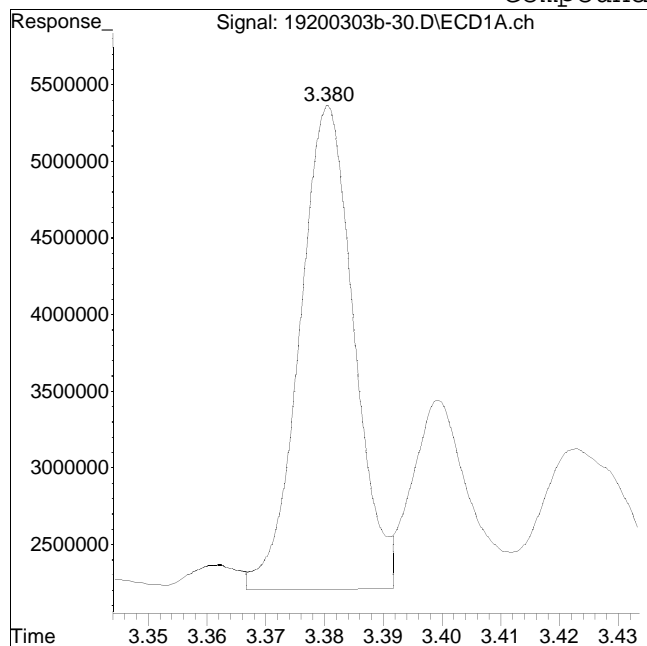


Manual Integration Report

Data Path : I:\Pest19\200303b\
Data File : 19200303b-30.D
Date Inj'd : 3/3/2020 3:26 pm
Sample : 12007956-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ad
Instrument : Pest 19
Quant Date : 3/4/2020 7:20 pm

Compound #13: 1260-5



Original Peak Response = 20127920

Manual Peak Response = 27714179 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-25.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 3:05 pm
 Operator : pest2:aws
 Sample : l2007956-18,42e,,
 Misc : wgl1343754,wgl1343581,ical16010
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:16:07 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.091	2.279	104.4E6	69475017	25.000	25.000
Standard Area 1 : #1 = 99873687				Recovery =		104.58%
Standard Area 1 : #2 = 66891680				Recovery =		103.86%
14) i 2154_1br2nb	2.091	2.279	104.4E6	69475017	25.000	25.000
23) i 4268_1br2nb	2.091	2.279	104.4E6	69475017	25.000	25.000
34) i 1248_1br2nb	2.091	2.279	104.4E6	69475017	25.000	25.000
40) i 3262_1br2nb	2.091	2.279	104.4E6	69475017	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.570	2.921	60660592	42353767	14.155	14.468
Spiked Amount 20.000	Range 30 - 150		Recovery =		70.78%	72.34%
3) s Decachlorobi	6.567	7.267	49086501	34179878	11.932	14.936
Spiked Amount 20.000	Range 30 - 150		Recovery =		59.66%	74.68%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D.	N.D.
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-25.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 3:05 pm
 Operator : pest2:aws
 Sample : 12007956-18,42e,,
 Misc : wgl1343754,wgl1343581,ical16010
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:16:07 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D.	N.D.
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31)	19 1268-3	0.000	0.000	0	0	N.D.	N.D.
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-25.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 3:05 pm
 Operator : pest2:aws
 Sample : 12007956-18,42e,,
 Misc : wgl1343754,wgl1343581,ical16010
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:16:07 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

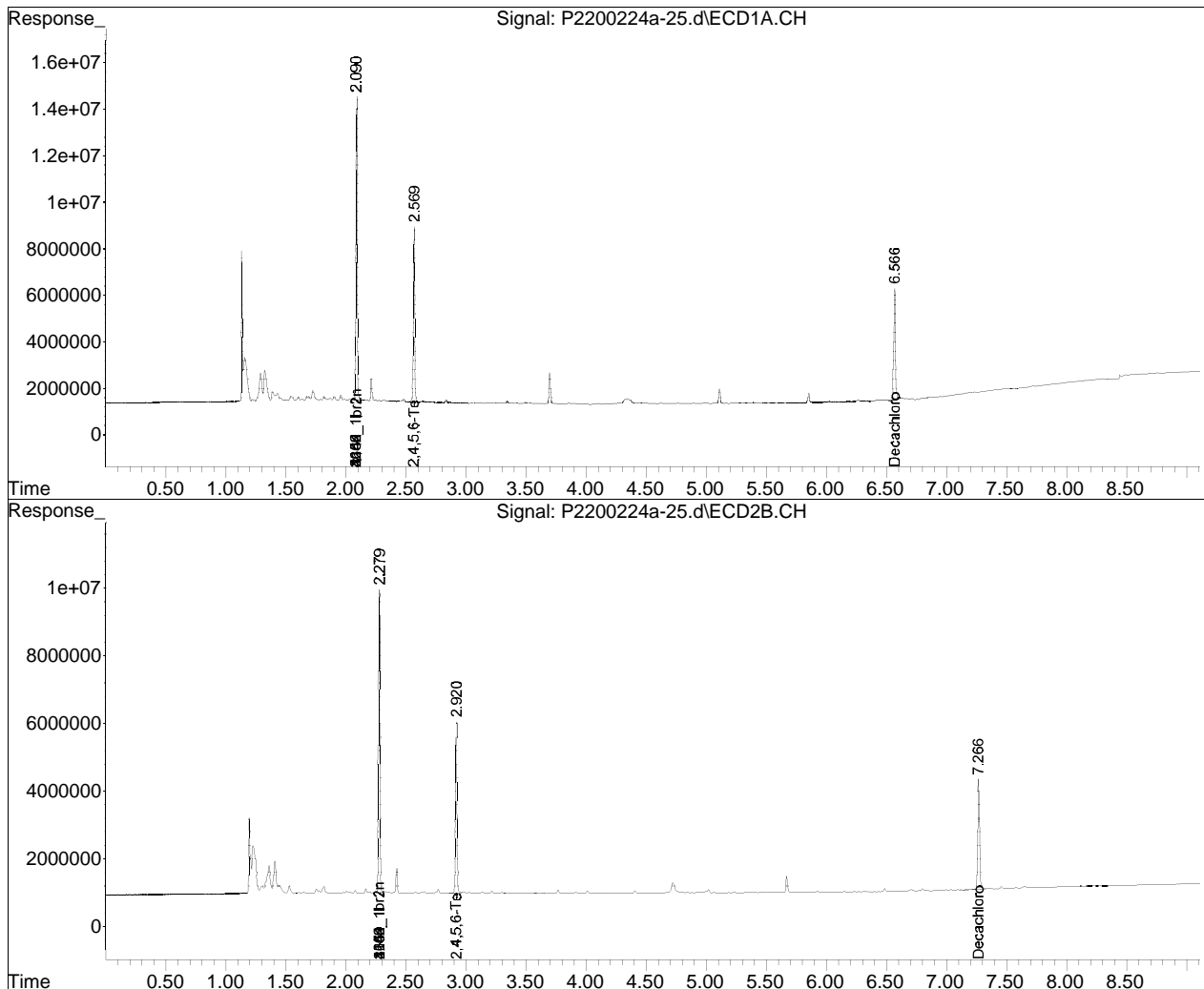
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200224A\
Data File : P2200224a-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Feb 2020 3:05 pm
Operator : pest2:aws
Sample : l2007956-18,42e,,
Misc : wg1343754,wg1343581,ical16010
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 18:16:07 2020
Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest2\200224A\ Data File	: P200224a-25.d	QMethod	: P2_pcb_08_06_19_LVI_ugL_
Date Inj'd	: 2/24/2020 3:05 pm		Operator	: pest2:aws
Sample	: 12007956-18,42e,,		Instrument	: PEST 2
			Quant Date	: 2/27/2020 6:08 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-49.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 10:58 pm
 Operator : pest7:aws
 Sample : l2007956-02,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:47:08 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.896	1.946	399.7E6	312.5E6	250.000	250.000M2
Standard Area 1 : #1 = 461755486					Recovery =	86.56%
Standard Area 1 : #2 = 365193815					Recovery =	85.56%
14) i 2154_1br2nb	1.896	1.946	399.7E6	312.5E6	250.000	250.000M2
23) i 4268_1br2nb	1.896	1.946	399.7E6	312.5E6	250.000	250.000M2
34) i 1248_1br2nb	1.896	1.946	399.7E6	312.5E6	250.000	250.000M2
40) i 3262_1br2nb	1.896	1.946	399.7E6	312.5E6	250.000	250.000M2
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.322	2.463	650.0E6	536.7E6	330.567	355.036M2
Spiked Amount 500.000	Range 30 - 150		Recovery =		66.11%	71.01%
3) s Decachlorobi	6.223	6.637f	578.7E6	452.2E6	443.278	497.713M2
Spiked Amount 500.000	Range 30 - 150		Recovery =		88.66%	99.54%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.391f	4.788f	22709666	21095207	236.998	309.845M2
10) l2 1260-2	4.603f	4.946f	51615727	29873154	359.740	381.200M2
11) l2 1260-3	5.074f	5.471f	25327953	19205490	289.565	301.444M2
12) l2 1260-4	5.293f	5.646f	61647214	46793799	315.818	355.404M2
13) l2 1260-5	5.490f	5.889f	43608025	30690470	325.009M1	334.026M2
Sum 1260-1			204.9E6	147.7E6	1527.129	1681.920
Average 1260-1					305.426	336.384

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-49.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 10:58 pm
 Operator : pest7:aws
 Sample : l2007956-02,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:47:08 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	3.043f	3.337f	4964065	3279062	119.785M3	108.902M2

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-49.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 10:58 pm
 Operator : pest7:aws
 Sample : 12007956-02,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:47:08 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	3.277f	3.595f	29889061	22536607	540.543	613.649M2
37)	17 1248-3	3.440f	3.805f	31581289	17278076	366.939M1	382.847M2
38)	17 1248-4	3.764f	4.111f	57963494	43711371	765.436	872.580M2
39)	17 1248-5	3.786f	4.146f	59261357	54242792	920.743	973.413M2
	Sum 1248-1			183.7E6	141.0E6	2713.446	2951.390
	Average 1248-1					542.689	590.278
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-49.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 10:58 pm
 Operator : pest7:aws
 Sample : l2007956-02,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:47:08 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

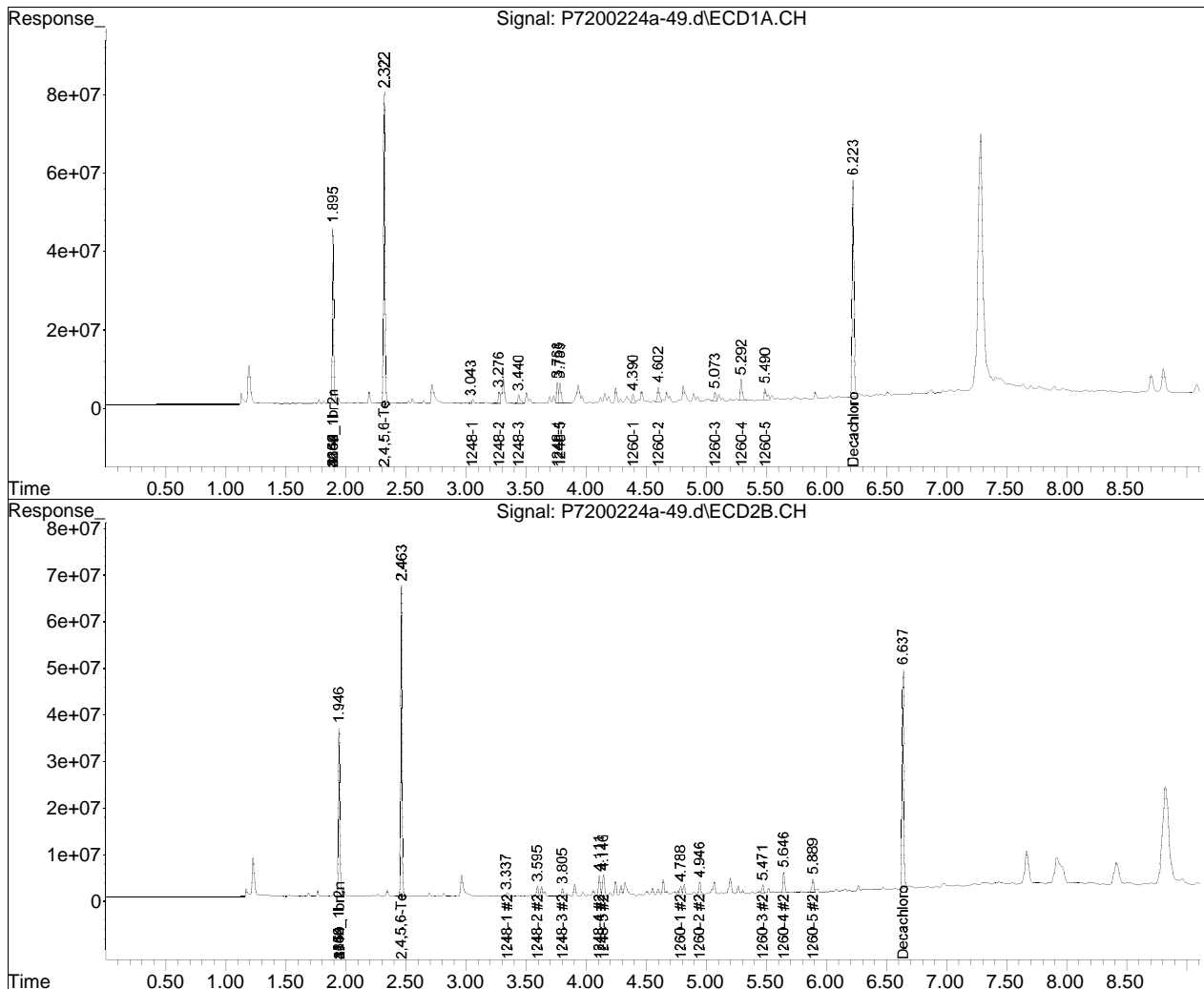
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-45.d••ed)

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Feb 2020 10:58 pm
Operator : pest7:aws
Sample : l2007956-02,42e,,
Misc : wg1343740,wg1343788,ical15997
ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 18:47:08 2020
Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Thu Feb 06 12:33:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

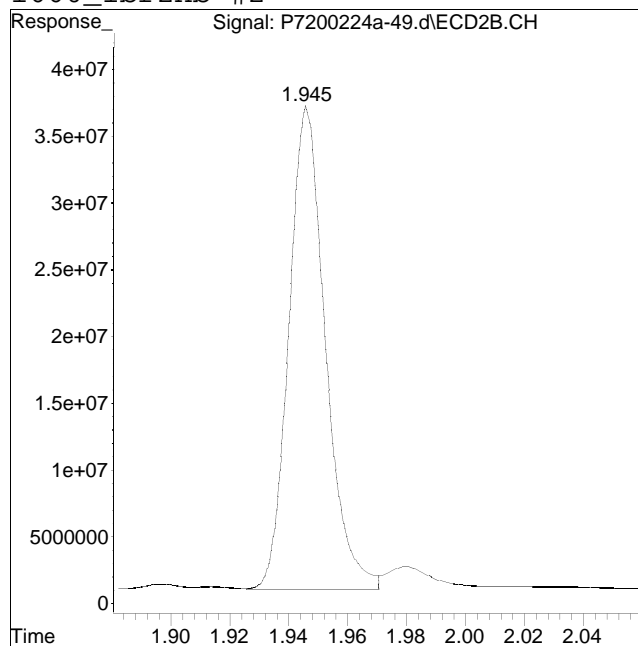
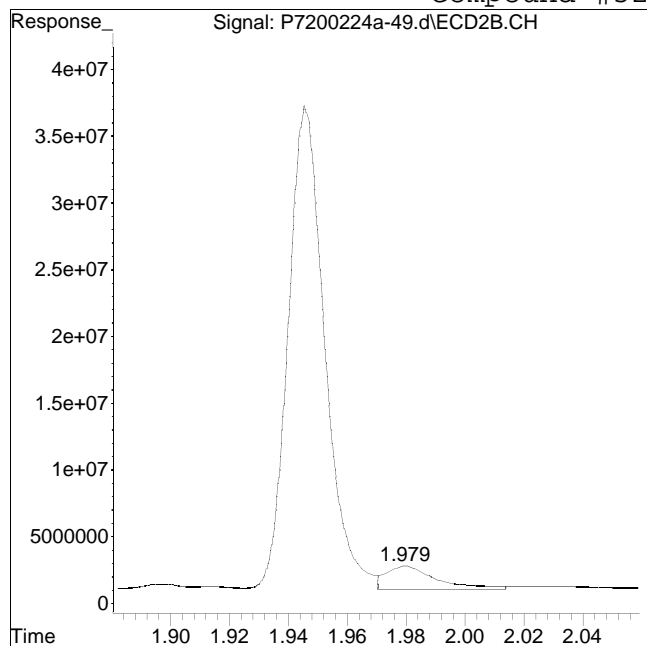


Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 21969975

Manual Peak Response = 312478082 M2

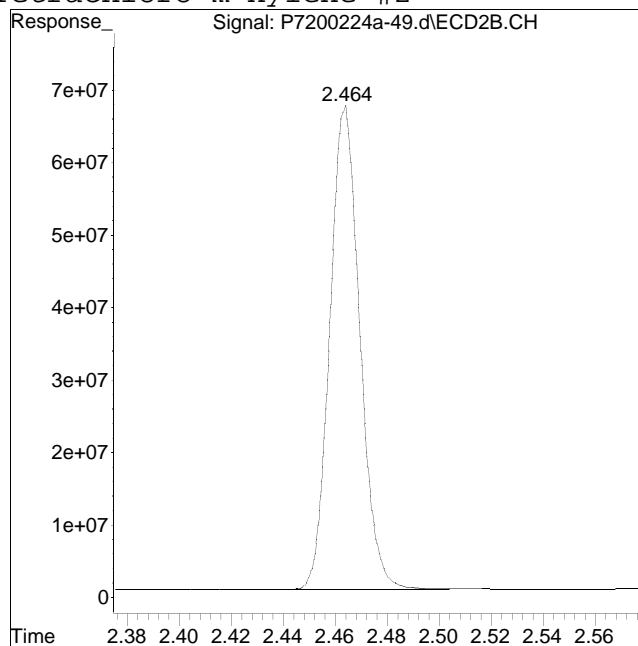
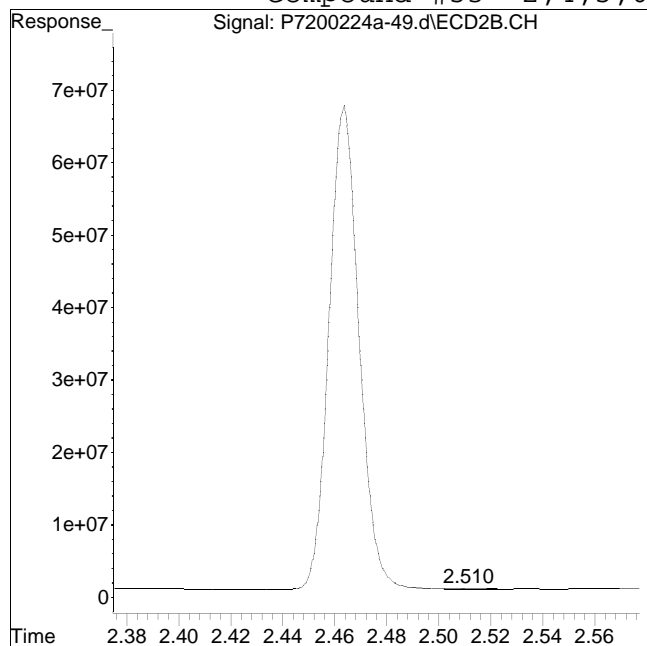
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 2804900

Manual Peak Response = 536720780 M2

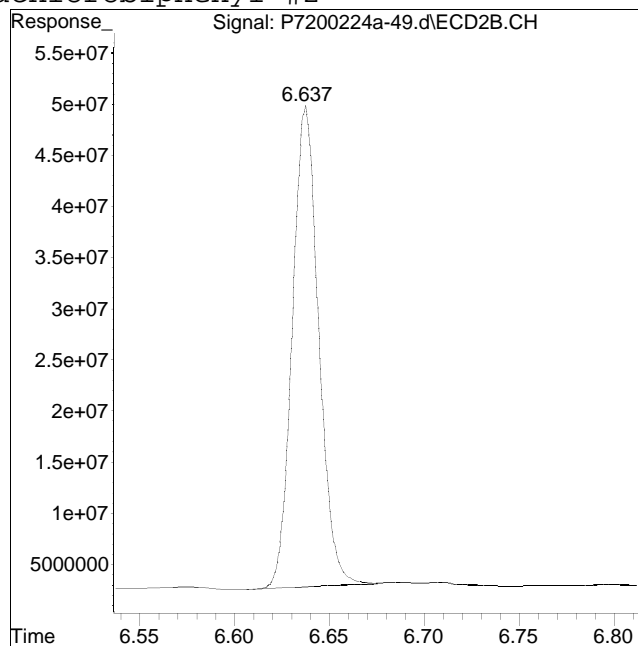
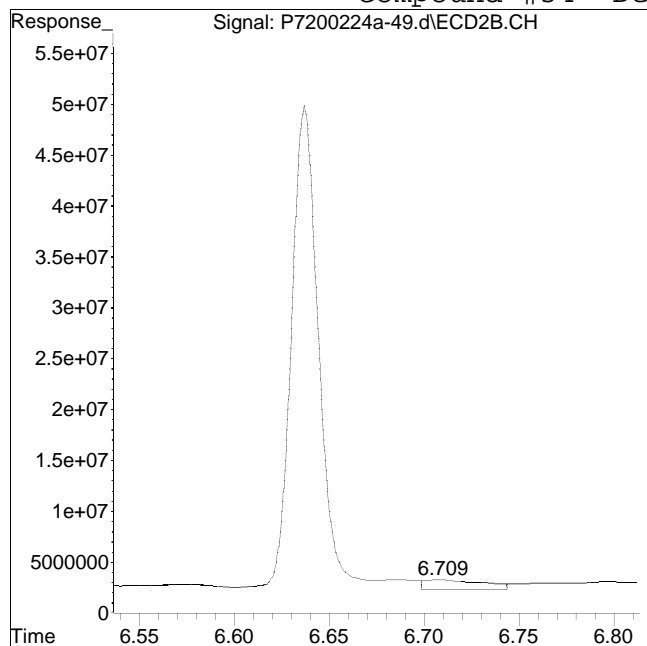
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 20930200

Manual Peak Response = 452199726 M2

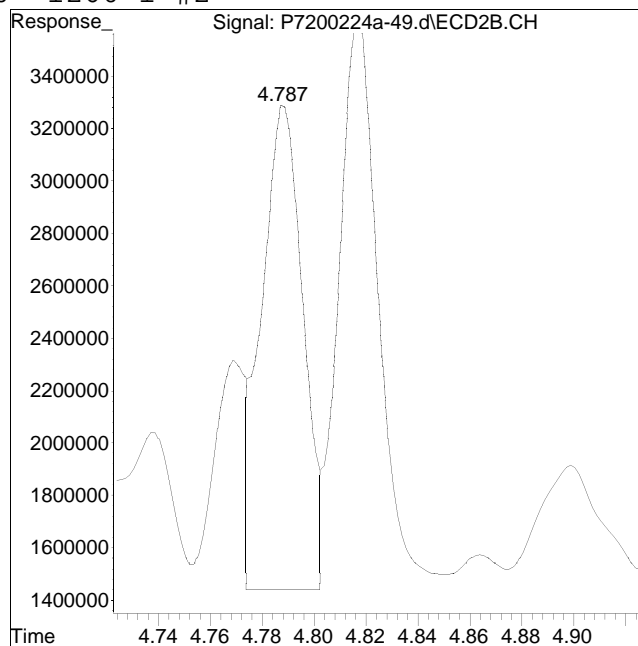
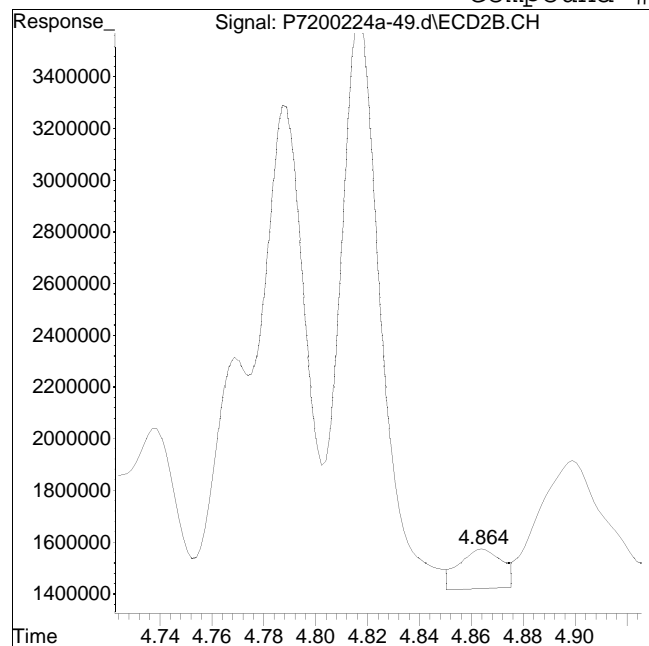
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #60: 1260-1 #2



Original Peak Response = 1717407

Manual Peak Response = 21095207 M2

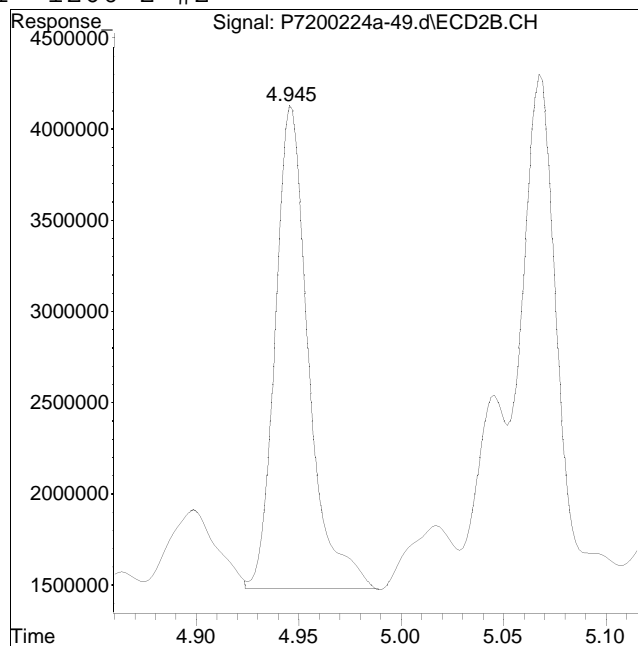
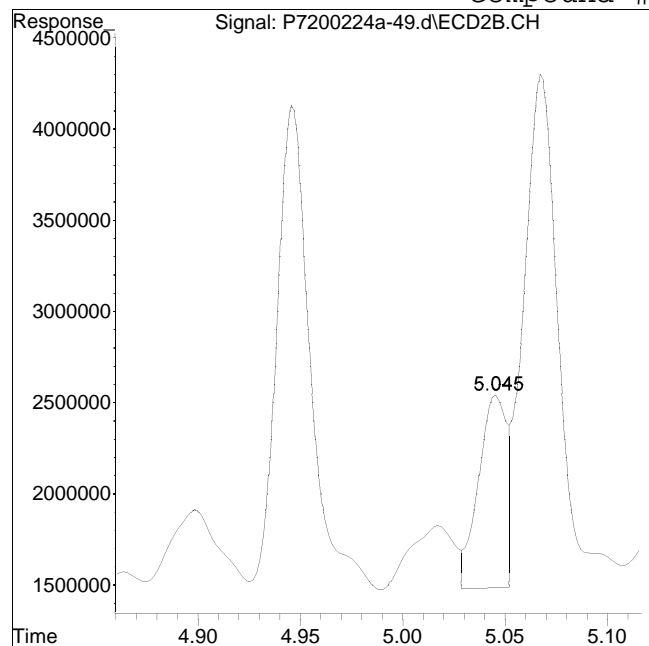
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #61: 1260-2 #2



Original Peak Response = 9846226

Manual Peak Response = 29873154 M2

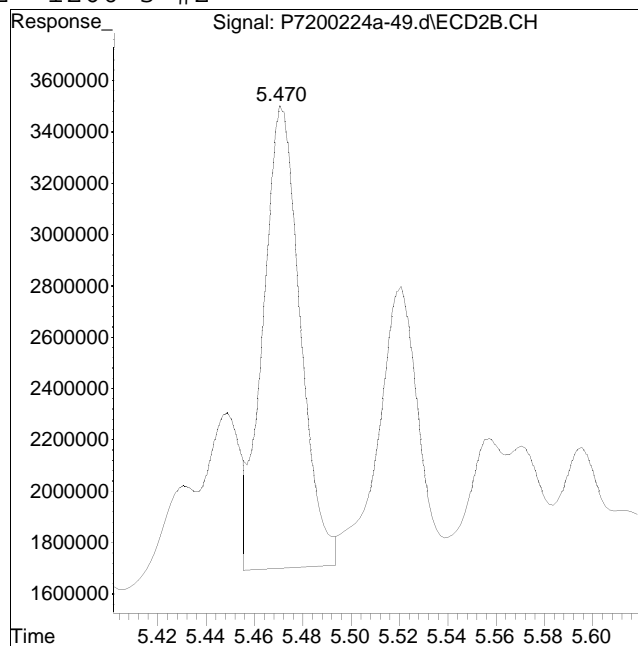
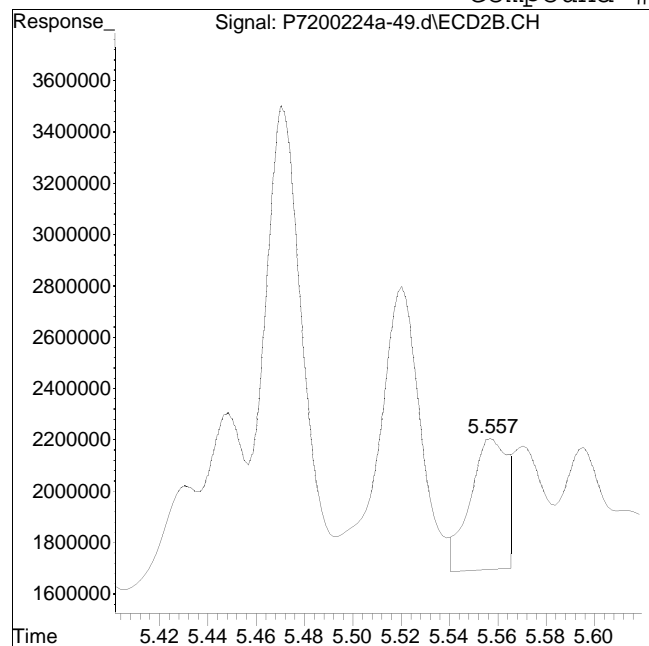
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #62: 1260-3 #2



Original Peak Response = 5185494

Manual Peak Response = 19205490 M2

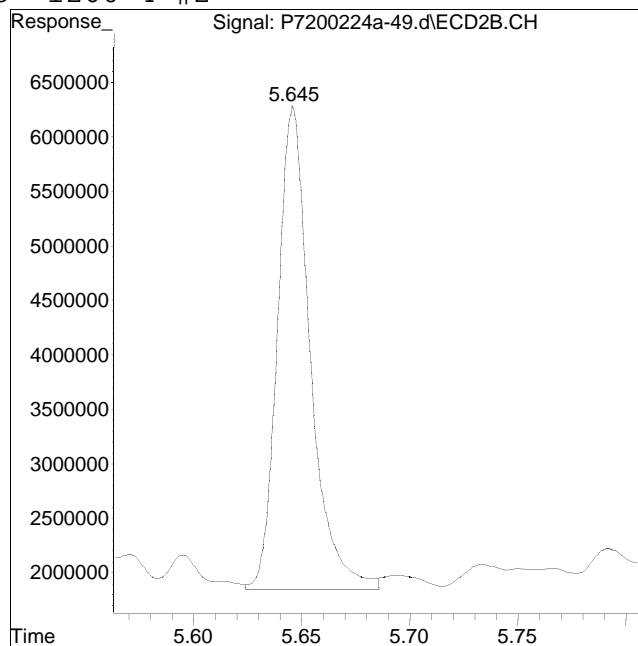
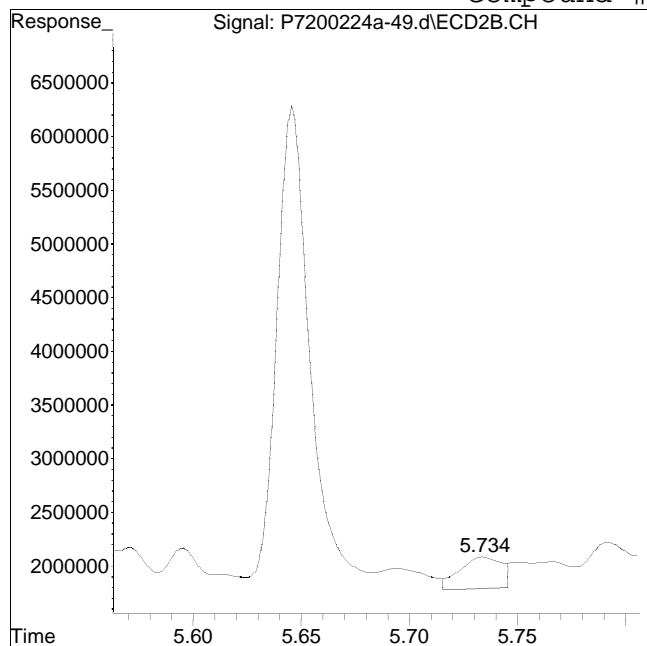
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #63: 1260-4 #2



Original Peak Response = 4019683

Manual Peak Response = 46793799 M2

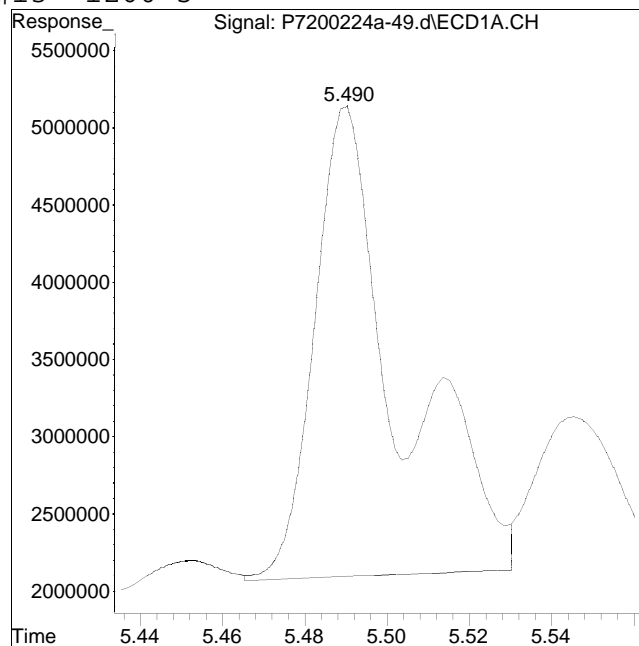
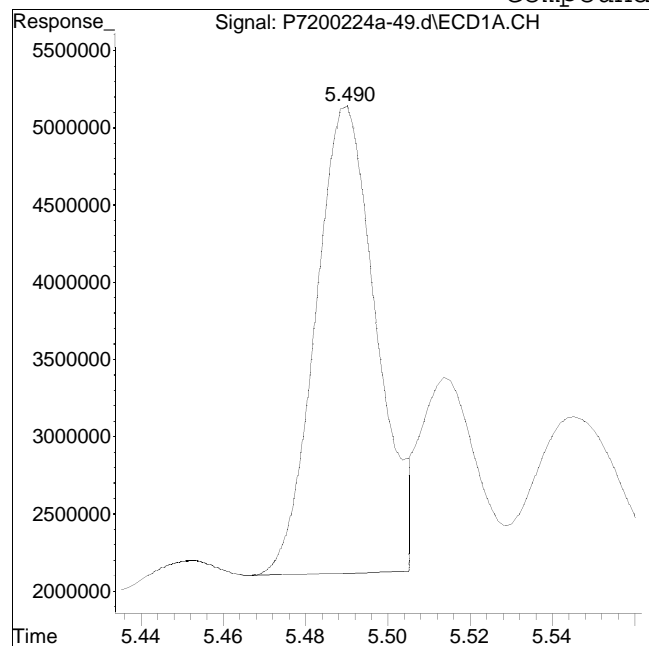
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #13: 1260-5



Original Peak Response = 30407611

Manual Peak Response = 43608025 M1

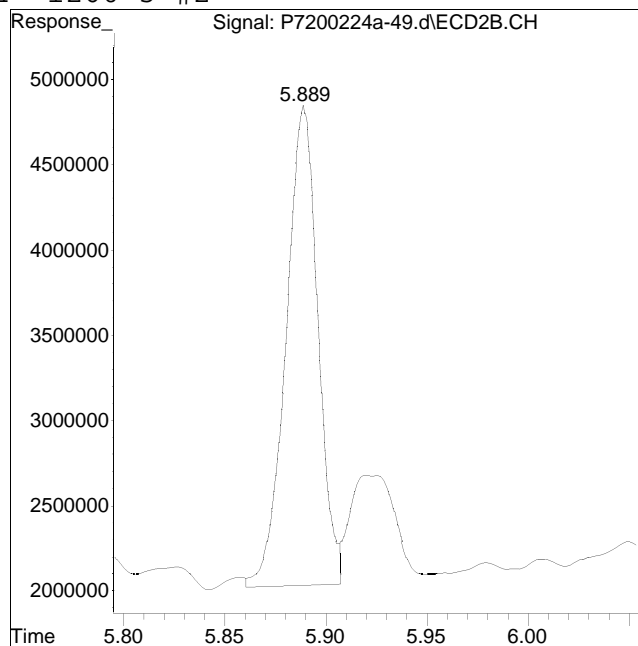
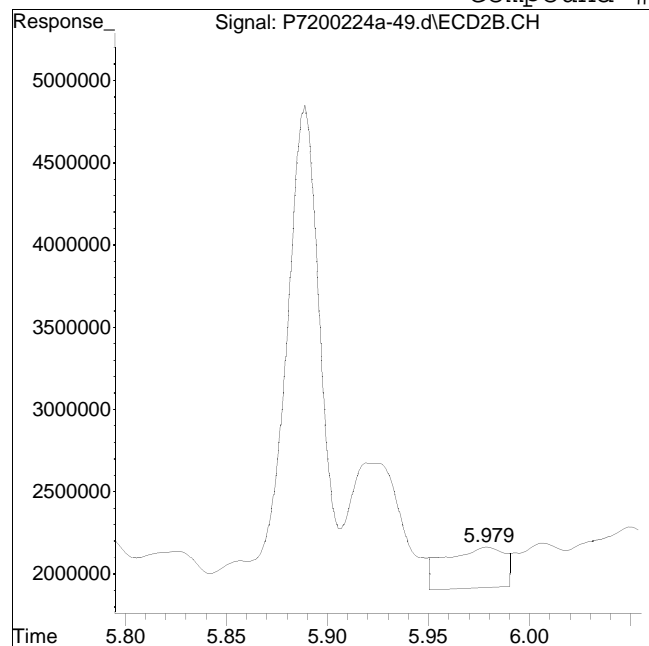
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #64: 1260-5 #2



Original Peak Response = 5097255

Manual Peak Response = 30690470 M2

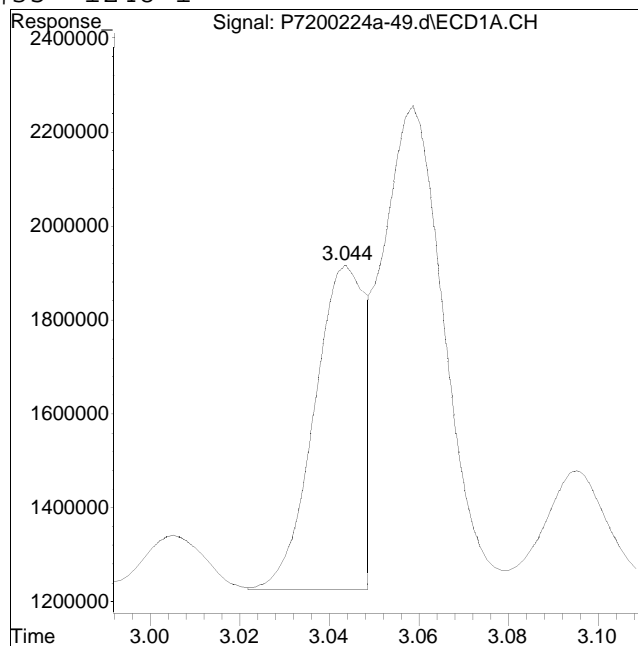
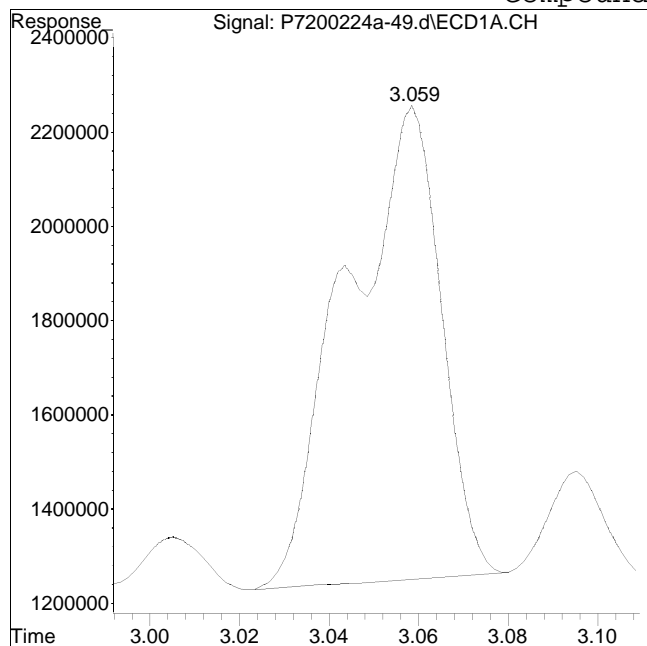
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #35: 1248-1



Original Peak Response = 14541757

Manual Peak Response = 4964065 M3

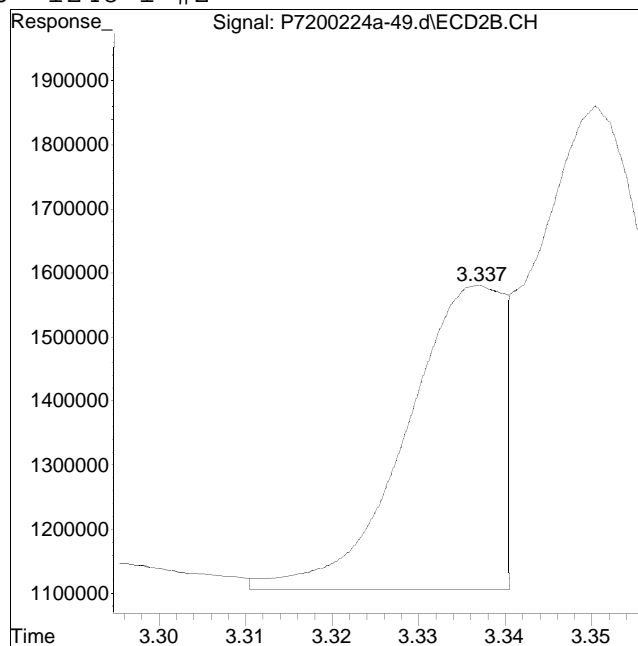
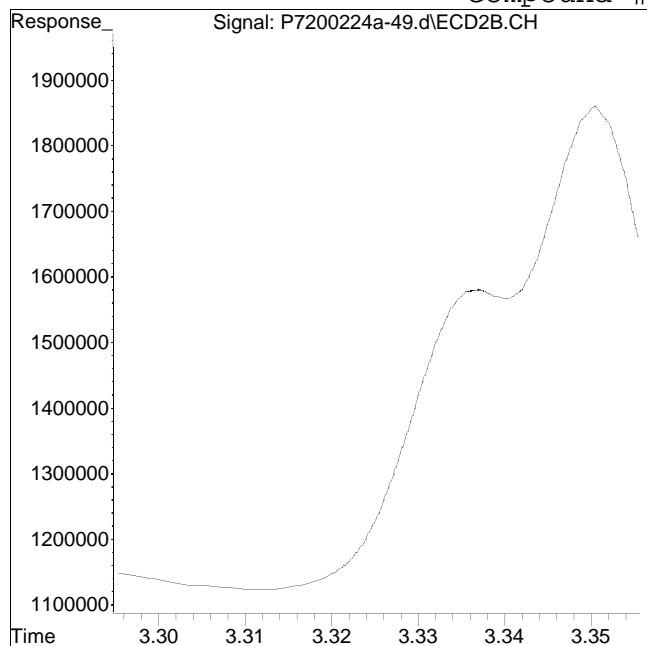
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #86: 1248-1 #2



Original Peak Response = 0

Manual Peak Response = 3279062 M2

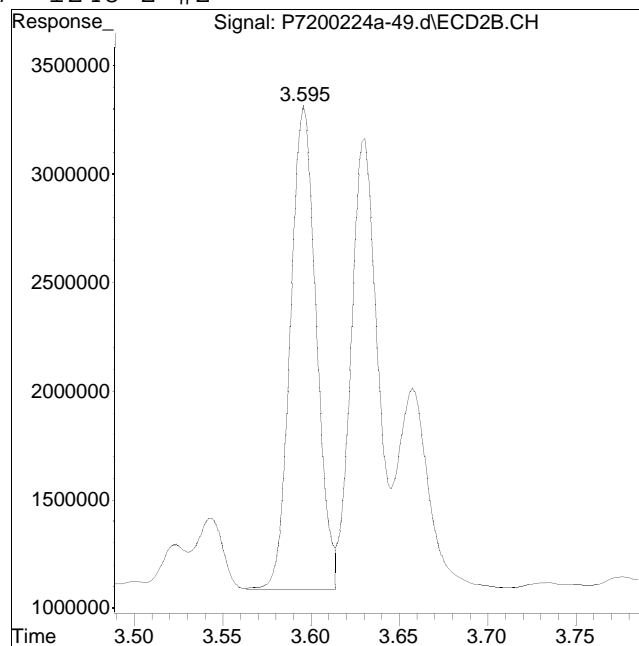
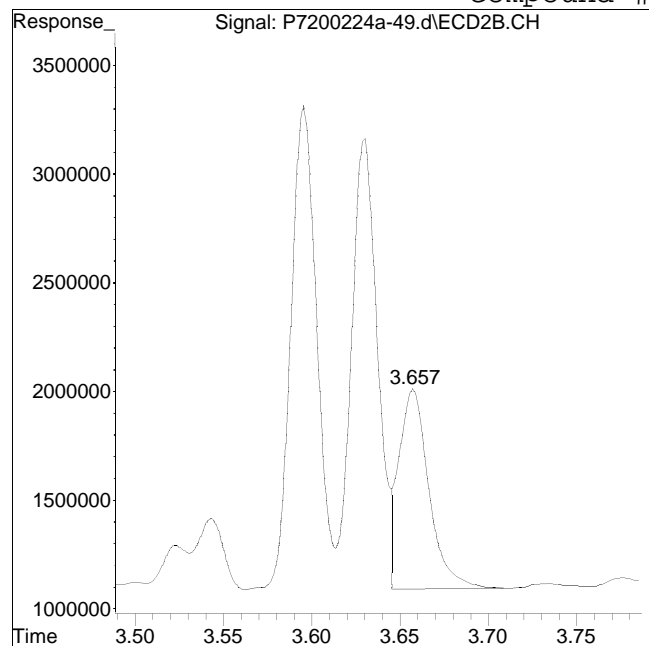
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #87: 1248-2 #2



Original Peak Response = 11046108

Manual Peak Response = 22536607 M2

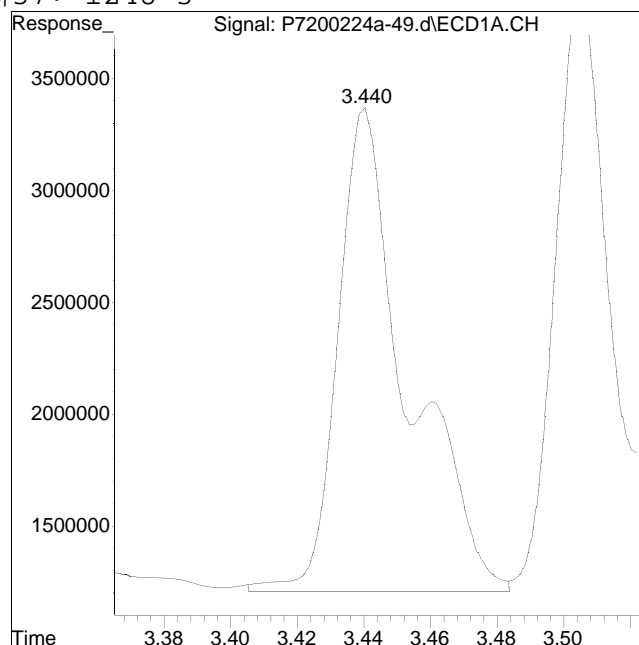
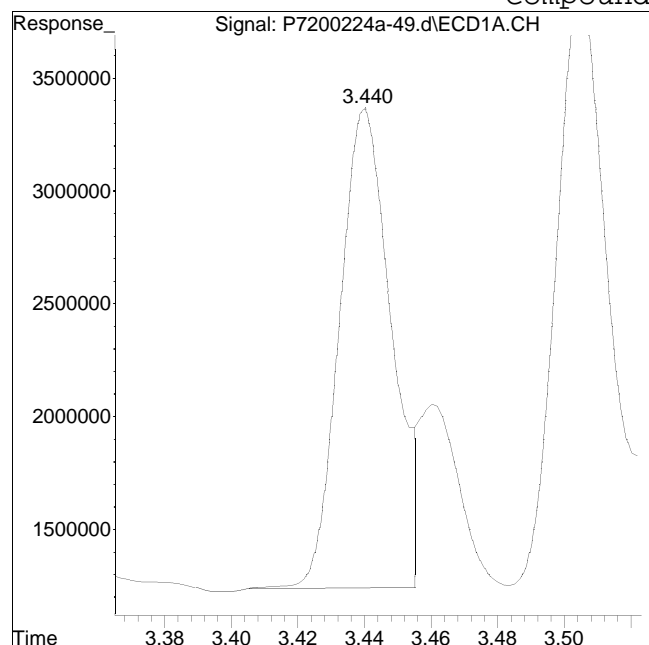
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #37: 1248-3



Original Peak Response = 22664053

Manual Peak Response = 31581289 M1

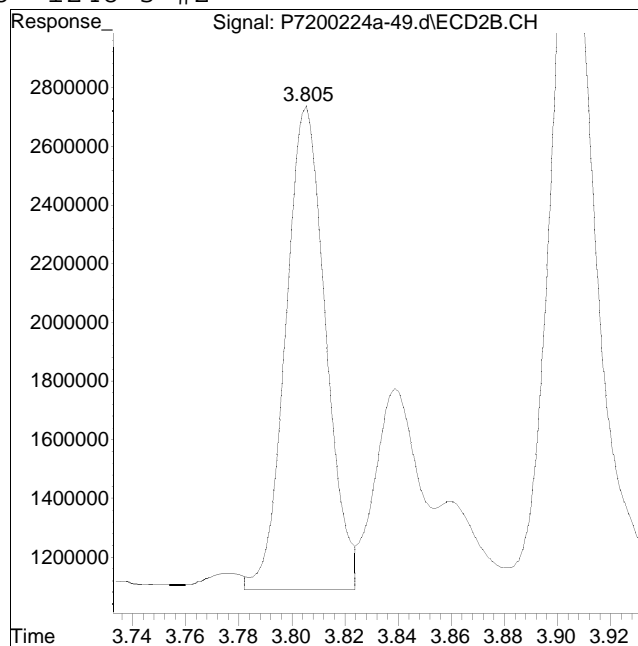
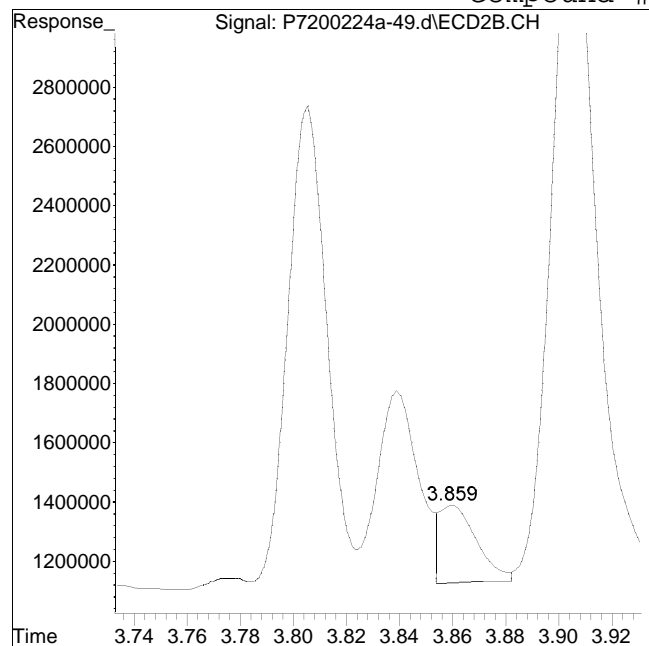
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #88: 1248-3 #2



Original Peak Response = 2570705

Manual Peak Response = 17278076 M2

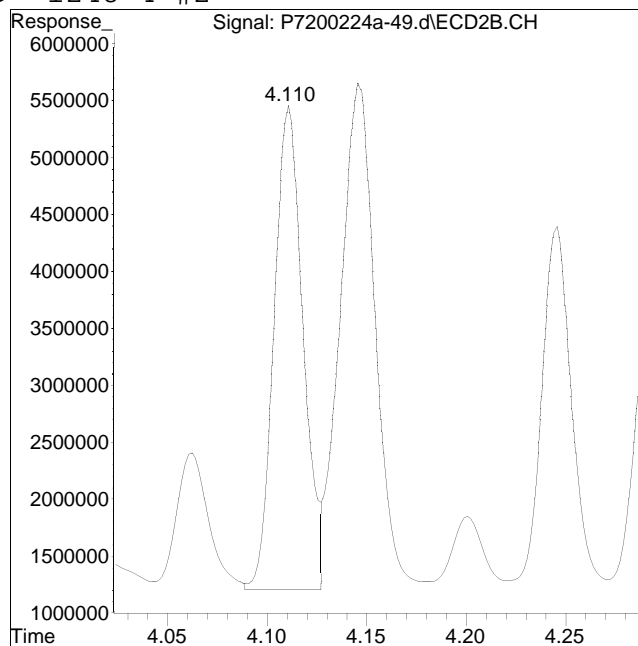
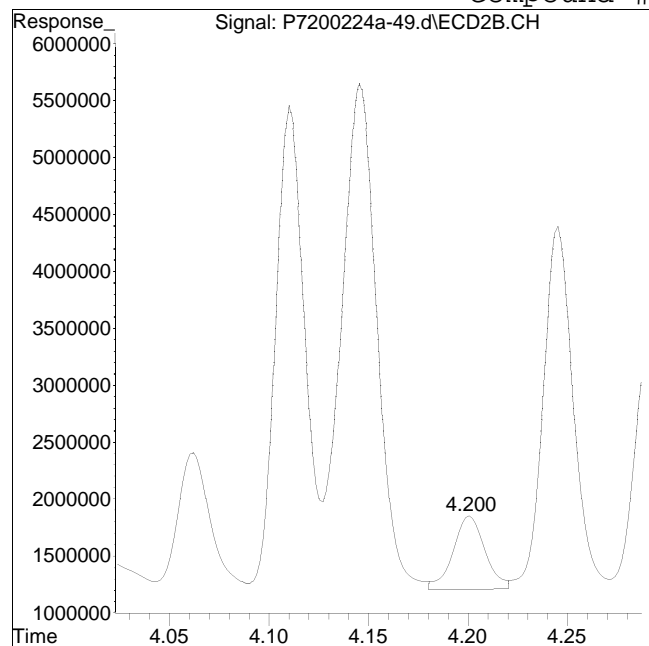
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #89: 1248-4 #2



Original Peak Response = 7232733

Manual Peak Response = 43711371 M2

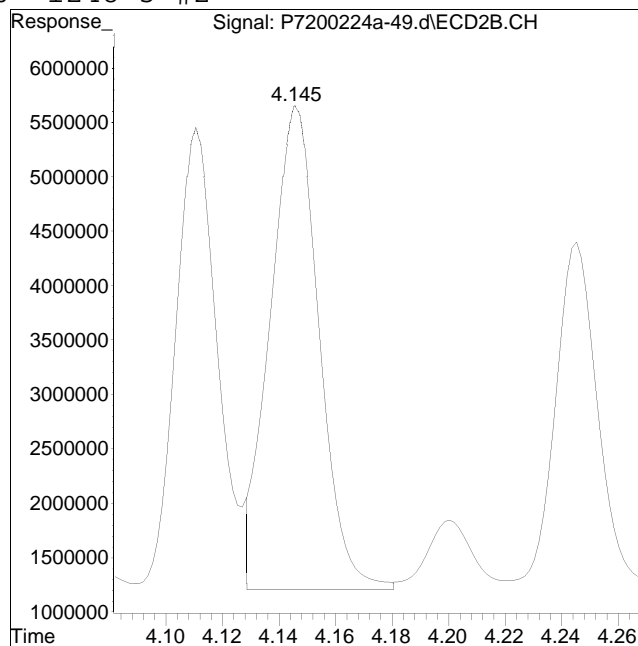
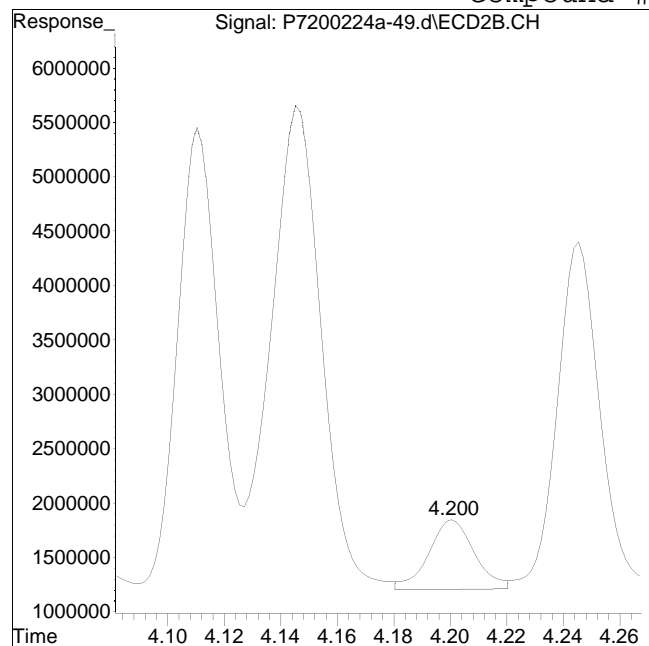
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-49.d
Date Inj'd : 2/24/2020 10:58 pm
Sample : 12007956-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #90: 1248-5 #2



Original Peak Response = 7232733

Manual Peak Response = 54242792 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-50.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:10 pm
 Operator : pest7:aws
 Sample : l2007956-04,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:51:33 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.895	1.946	397.4E6	322.5E6	250.000	250.000
Standard Area 1 : #1 = 461755486					Recovery =	86.06%
Standard Area 1 : #2 = 365193815					Recovery =	88.30%
14) i 2154_1br2nb	1.895	1.946	397.4E6	322.5E6	250.000	250.000
23) i 4268_1br2nb	1.895	1.946	397.4E6	322.5E6	250.000	250.000
34) i 1248_1br2nb	1.895	1.946	397.4E6	322.5E6	250.000	250.000
40) i 3262_1br2nb	1.895	1.946	397.4E6	322.5E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.322	2.464	651.4E6	521.2E6	333.187	334.065
Spiked Amount 500.000	Range 30 - 150		Recovery =		66.64%	66.81%
3) s Decachlorobi	6.223	6.639f	592.2E6	646.1E6	456.257	689.131
Spiked Amount 500.000	Range 30 - 150		Recovery =		91.25%	137.83%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.391f	4.789f	131.3E6	150.7E6	1377.851	2144.603
10) l2 1260-2	4.602f	4.946f	290.4E6	180.4E6	2035.643	2230.059
11) l2 1260-3	0.000	5.473f	0	126.4E6	N.D. d	1923.003
12) l2 1260-4	5.293f	5.647f	382.5E6	325.5E6	1970.857	2395.221
13) l2 1260-5	0.000	5.890f	0	225.8E6	N.D. d	2381.515
Sum 1260-1			804.2E6	1008.7E6	5384.352	11074.400 D
Average 1260-1					1794.784	2214.880

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-50.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:10 pm
 Operator : pest7:aws
 Sample : l2007956-04,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:51:33 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	3.336f	0	6047501	N.D. d	194.618M3
36) 17	1248-2	3.276f	3.596f	80563948	44469548	1465.428	1173.318

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-50.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:10 pm
 Operator : pest7:aws
 Sample : 12007956-04,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:51:33 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	3.439f	3.806f	89751913	44156846	1048.851M1	948.091	
38)	17 1248-4	3.763f	4.112f	113.9E6	111.0E6	1512.441	2147.696	
39)	17 1248-5	3.786f	4.146f	81445422	89244888	1272.741	1551.887	
	Sum 1248-1			365.6E6	294.9E6	5299.461	6015.610	
	Average 1248-1					1324.865	1203.122	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

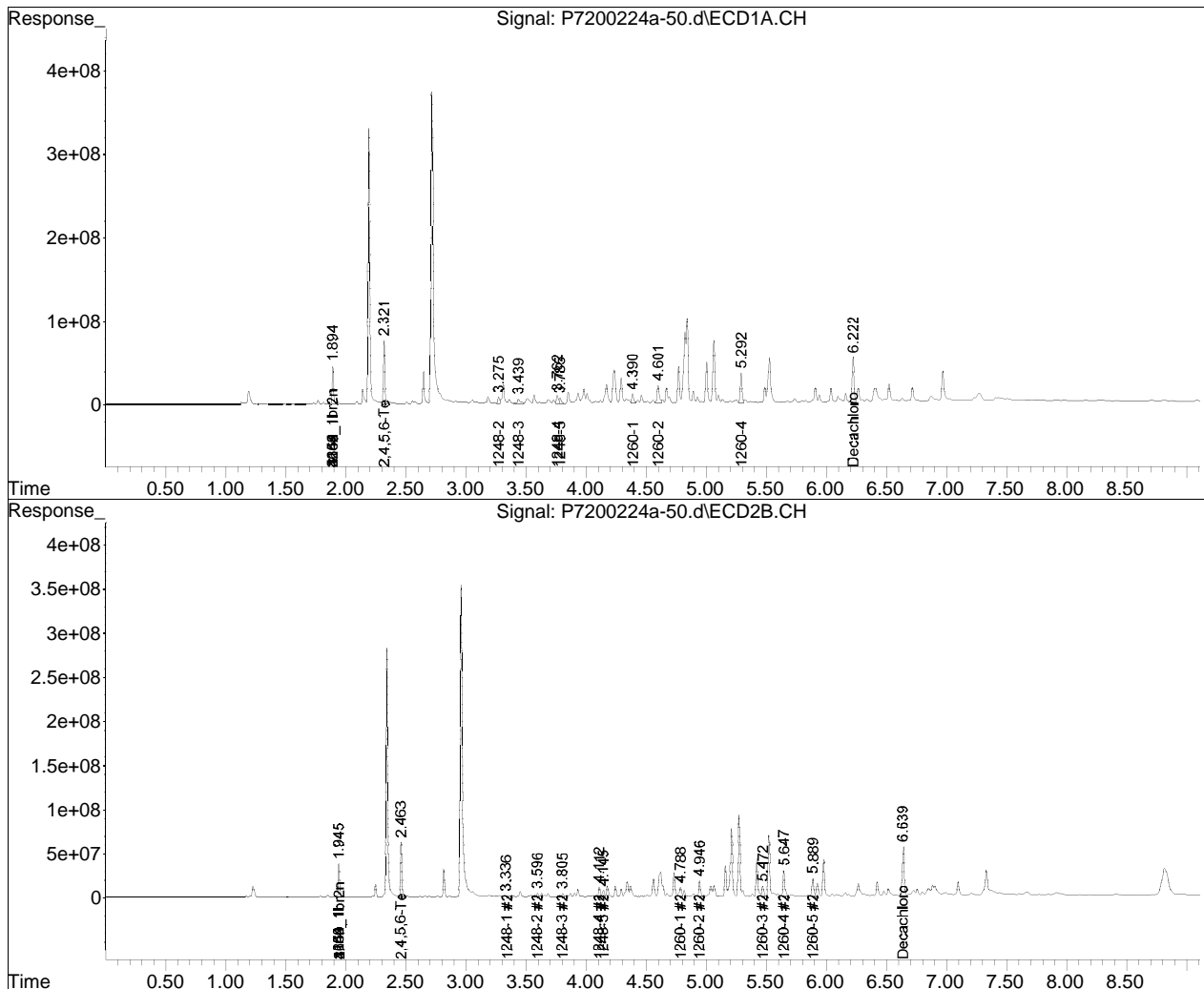
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-45.d••ed)

Data Path : I:\Pest7\200224\
Data File : P7200224a-50.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Feb 2020 11:10 pm
Operator : pest7:aws
Sample : 12007956-04,42e,,
Misc : wg1343740,wg1343788,ical15997
ALS Vial : 49 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 18:51:33 2020
Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Thu Feb 06 12:33:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

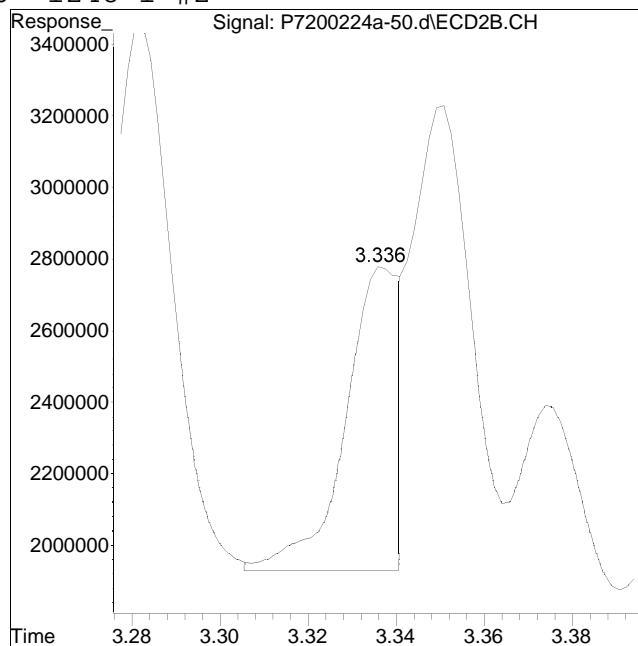
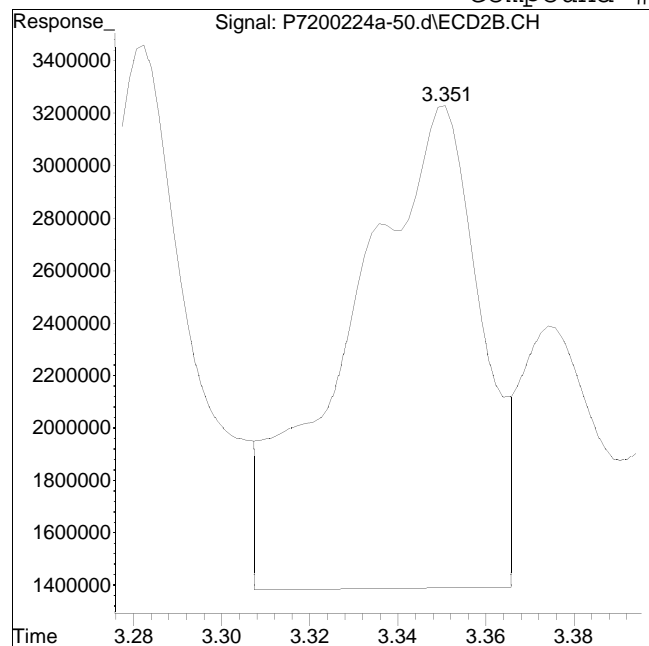


Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-50.d
Date Inj'd : 2/24/2020 11:10 pm
Sample : 12007956-04,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #86: 1248-1 #2



Original Peak Response = 37648525

Manual Peak Response = 6047501 M3

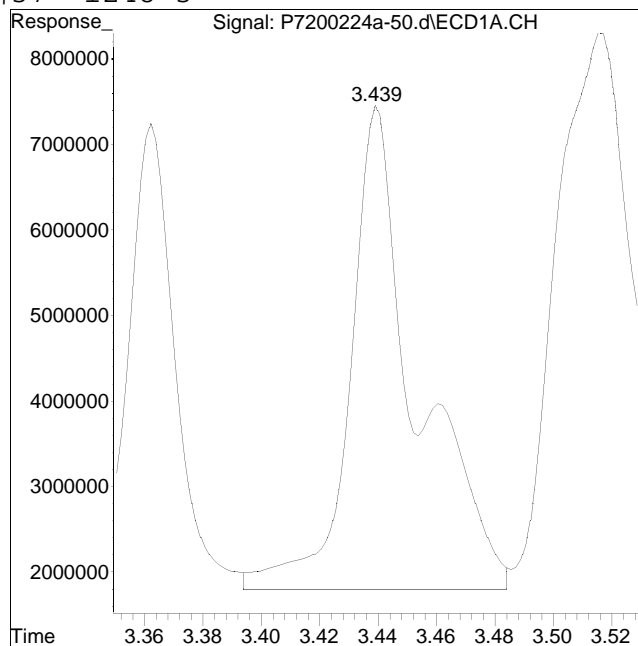
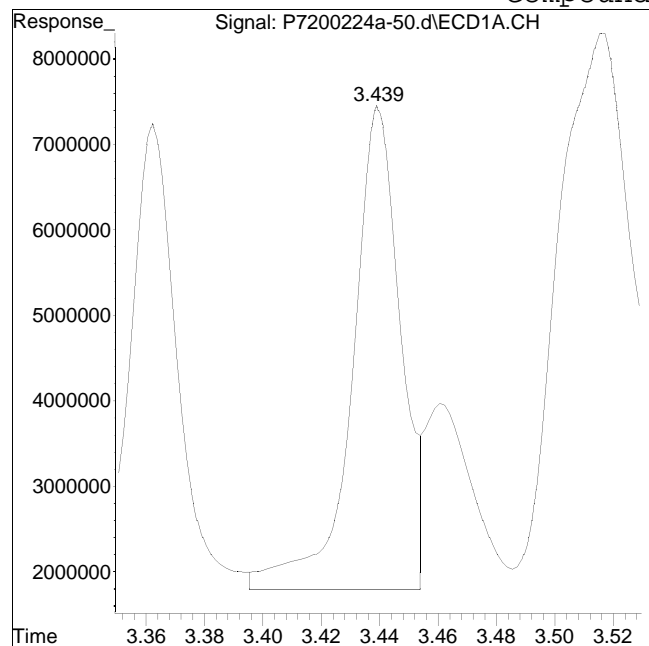
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-50.d
Date Inj'd : 2/24/2020 11:10 pm
Sample : 12007956-04,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #37: 1248-3



Original Peak Response = 64990980

Manual Peak Response = 89751913 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-51.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:22 pm
 Operator : pest7:aws
 Sample : l2007956-05,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:52:47 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.896	1.947	389.4E6	320.1E6	250.000	250.000
Standard Area 1 : #1 = 461755486					Recovery =	84.32%
Standard Area 1 : #2 = 365193815					Recovery =	87.66%
14) i 2154_1br2nb	1.896	1.947	389.4E6	320.1E6	250.000	250.000
23) i 4268_1br2nb	1.896	1.947	389.4E6	320.1E6	250.000	250.000
34) i 1248_1br2nb	1.896	1.947	389.4E6	320.1E6	250.000	250.000
40) i 3262_1br2nb	1.896	1.947	389.4E6	320.1E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.323	2.465	579.4E6	475.0E6	302.440	306.717
Spiked Amount 500.000	Range 30 - 150				Recovery =	60.49%
3) s Decachlorobi	6.224	6.638f	501.9E6	425.4E6	394.678	456.996M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	78.94%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.392f	4.790f	56613540	64297893	606.464	921.842
10) l2 1260-2	4.603f	4.948f	131.0E6	74703938	937.202	930.496
11) l2 1260-3	0.000	5.473f	0	52530389	N.D. d	804.806
12) l2 1260-4	5.294f	5.647f	169.7E6	133.1E6	892.202	986.514
13) l2 1260-5	0.000	5.890f	0	96151900	N.D. d	1021.490
Sum 1260-1			357.3E6	420.8E6	2435.868	4665.147 D
Average 1260-1					811.956	933.029

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-51.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:22 pm
 Operator : pest7:aws
 Sample : 12007956-05,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:52:47 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	3.044f	3.337f	8416000	5879287	208.459M3	190.594M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-51.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:22 pm
 Operator : pest7:aws
 Sample : 12007956-05,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:52:47 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	3.278f	3.597f	52971554	41550899	983.357	1104.360
37)	17 1248-3	3.441f	3.807f	68928264	40364507	822.076M1	873.029
38)	17 1248-4	3.764f	4.112f	75125151	58907542	1018.335	1147.838
39)	17 1248-5	3.787f	4.146f	69849375	77193469	1113.987	1352.179
	Sum 1248-1			275.3E6	223.9E6	4146.213	4668.000
	Average 1248-1					829.243	933.600
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-51.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:22 pm
 Operator : pest7:aws
 Sample : 12007956-05,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:52:47 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

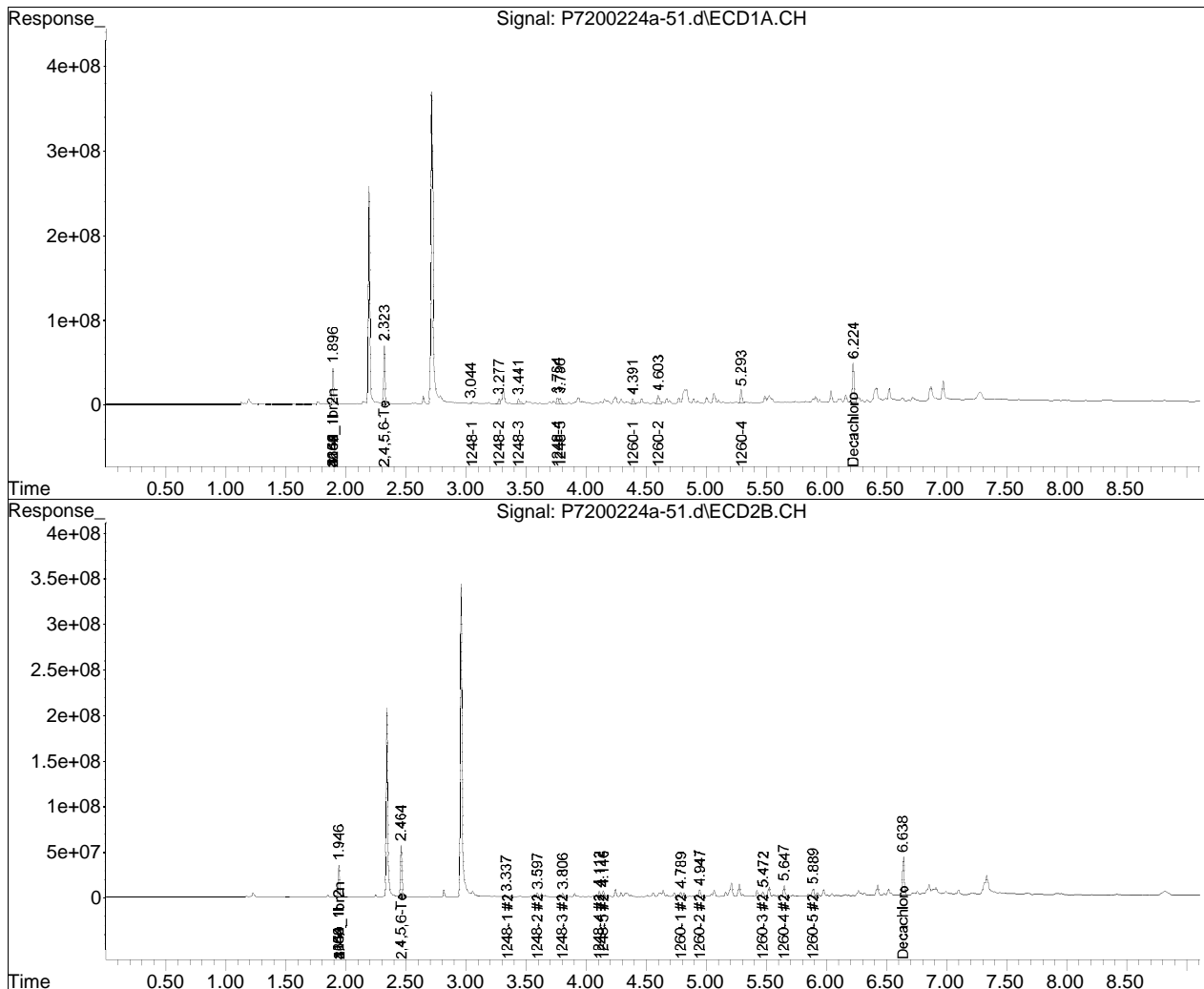
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-45.d••ed)

Data Path : I:\Pest7\200224\
Data File : P7200224a-51.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Feb 2020 11:22 pm
Operator : pest7:aws
Sample : 12007956-05,42e,,
Misc : wg1343740,wg1343788,ical15997
ALS Vial : 50 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 18:52:47 2020
Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Thu Feb 06 12:33:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

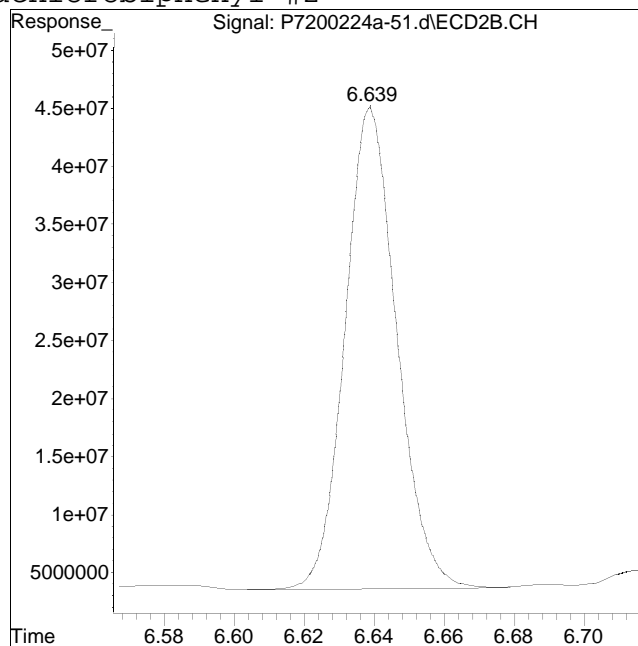
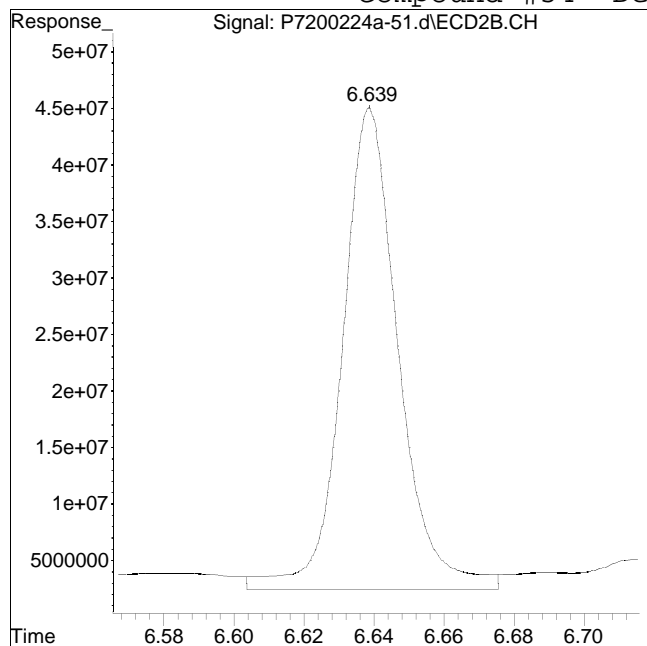


Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-51.d
Date Inj'd : 2/24/2020 11:22 pm
Sample : 12007956-05,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 476020403

Manual Peak Response = 425368652 M4

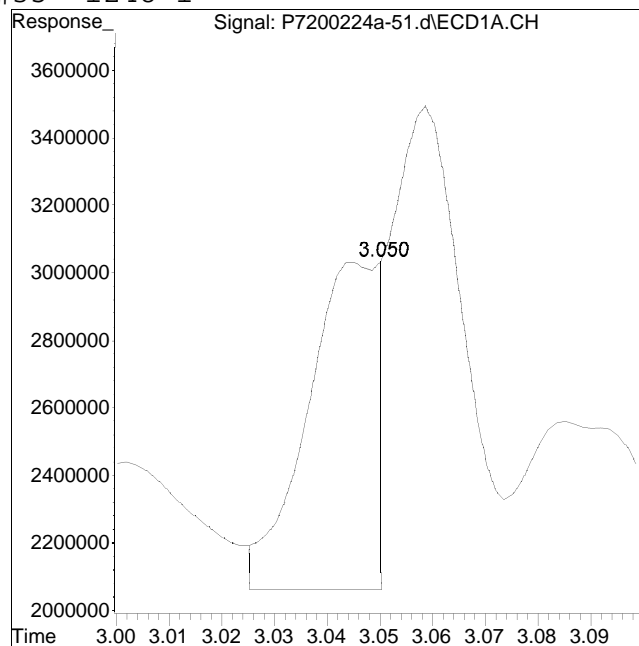
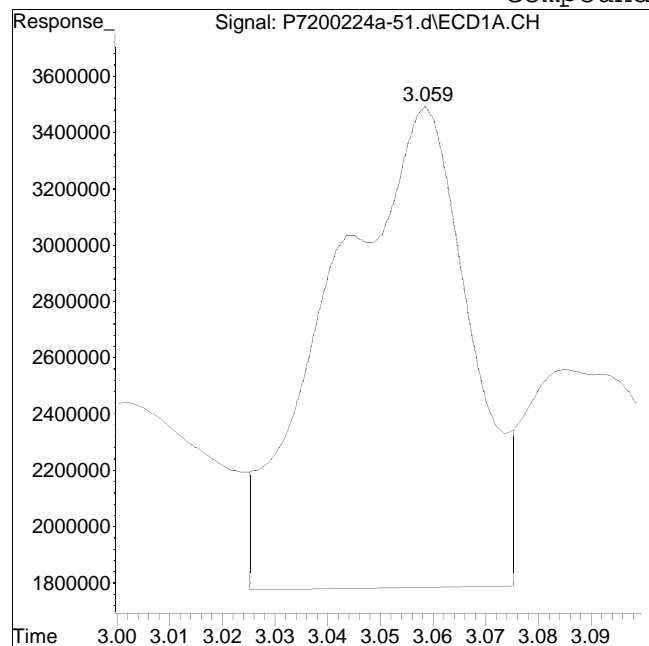
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-51.d
Date Inj'd : 2/24/2020 11:22 pm
Sample : 12007956-05,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #35: 1248-1



Original Peak Response = 30824207

Manual Peak Response = 8416000 M3

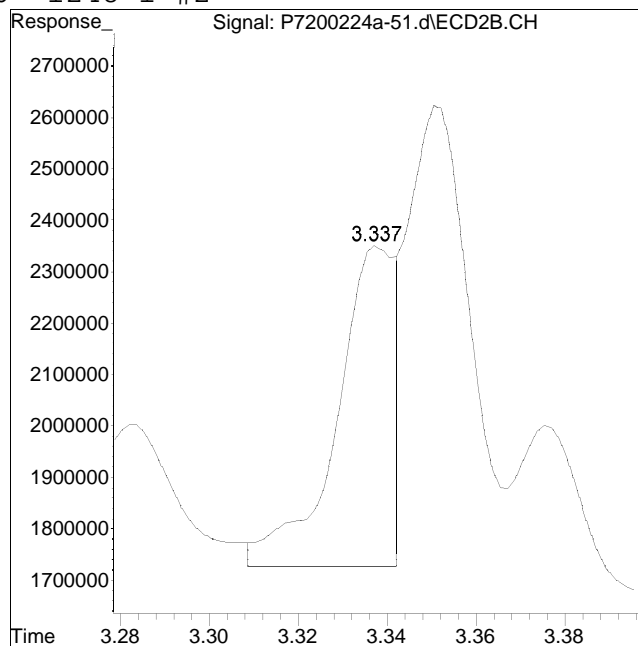
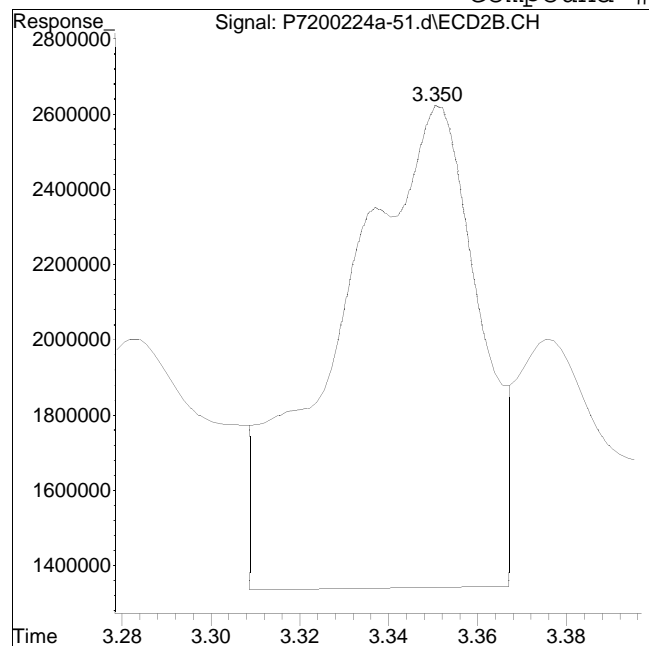
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-51.d
Date Inj'd : 2/24/2020 11:22 pm
Sample : 12007956-05,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #86: 1248-1 #2



Original Peak Response = 27830600

Manual Peak Response = 5879287 M3

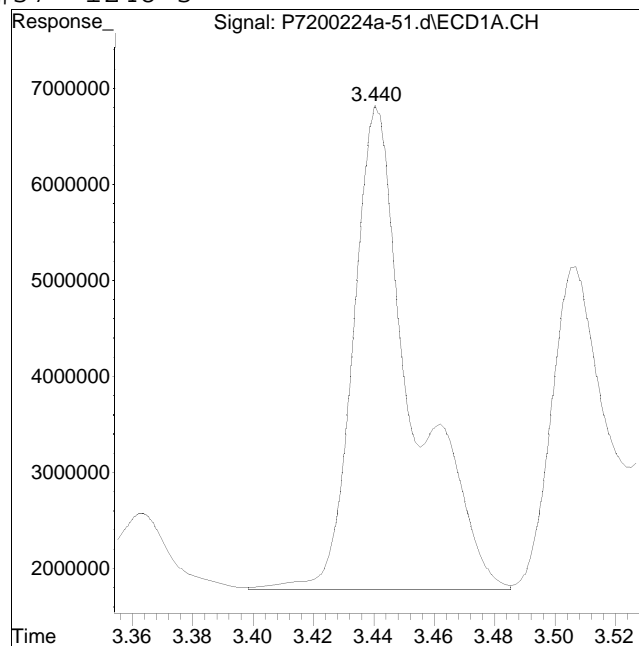
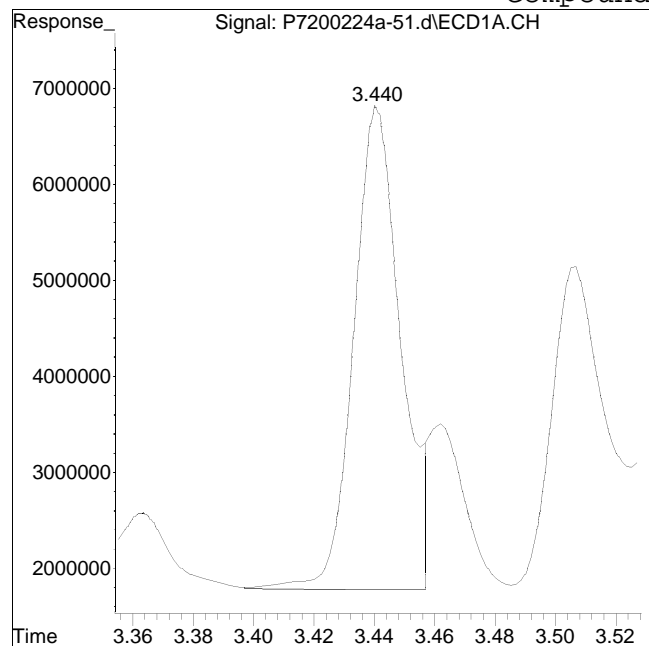
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-51.d
Date Inj'd : 2/24/2020 11:22 pm
Sample : 12007956-05,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #37: 1248-3



Original Peak Response = 52930717

Manual Peak Response = 68928264 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-52.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:34 pm
 Operator : pest7:aws
 Sample : l2007956-06,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 51 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:56:43 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.897	1.947	387.5E6	316.8E6	250.000	250.000
Standard Area 1 : #1 = 461755486					Recovery =	83.93%
Standard Area 1 : #2 = 365193815					Recovery =	86.76%
14) i 2154_1br2nb	1.897	1.947	387.5E6	316.8E6	250.000	250.000
23) i 4268_1br2nb	1.897	1.947	387.5E6	316.8E6	250.000	250.000
34) i 1248_1br2nb	1.897	1.947	387.5E6	316.8E6	250.000	250.000
40) i 3262_1br2nb	1.897	1.947	387.5E6	316.8E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.324	2.465	578.0E6	466.5E6	303.137	304.347
Spiked Amount 500.000	Range 30 - 150		Recovery =		60.63%	60.87%
3) s Decachlorobi	6.224	6.640f	529.4E6	627.7E6	418.219	681.396
Spiked Amount 500.000	Range 30 - 150		Recovery =		83.64%	136.28%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.392f	4.789f	56214259	51211779	605.033	741.833
10) l2 1260-2	4.602f	4.947f	127.7E6	84719061	917.815	1066.175
11) l2 1260-3	0.000	5.472f	0	54389037	N.D. d	841.915
12) l2 1260-4	5.294f	5.647f	185.8E6	158.2E6	981.752	1185.146
13) l2 1260-5	0.000	5.890f	0	108.9E6	N.D. d	1168.784
Sum 1260-1			369.7E6	457.4E6	2504.600	5003.854 D
Average 1260-1					834.867	1000.771

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-52.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:34 pm
 Operator : pest7:aws
 Sample : 12007956-06,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 51 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:56:43 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-52.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:34 pm
 Operator : pest7:aws
 Sample : 12007956-06,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 51 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:56:43 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

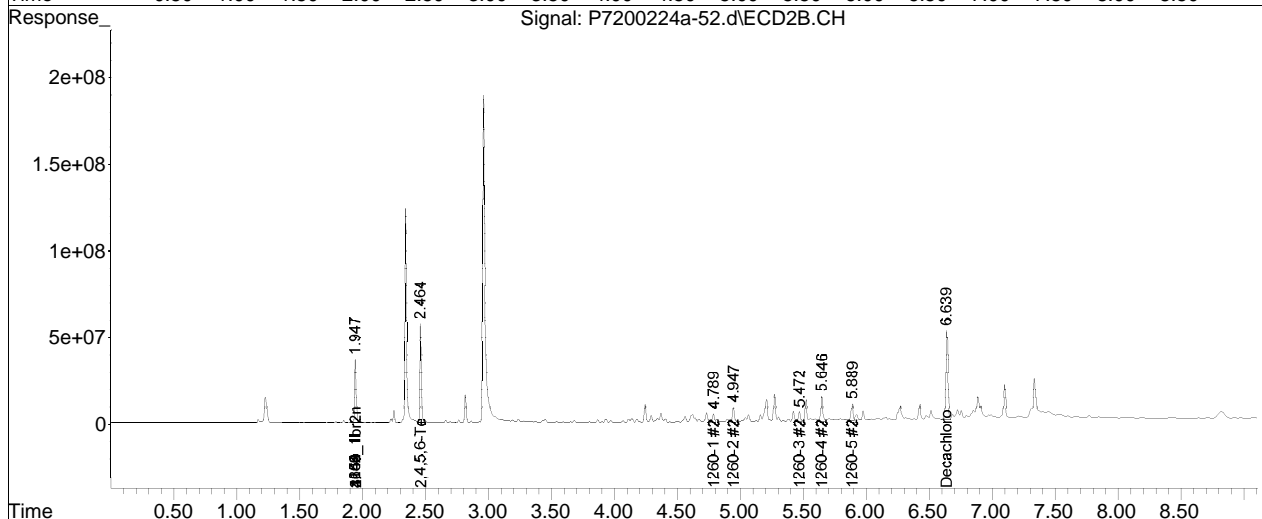
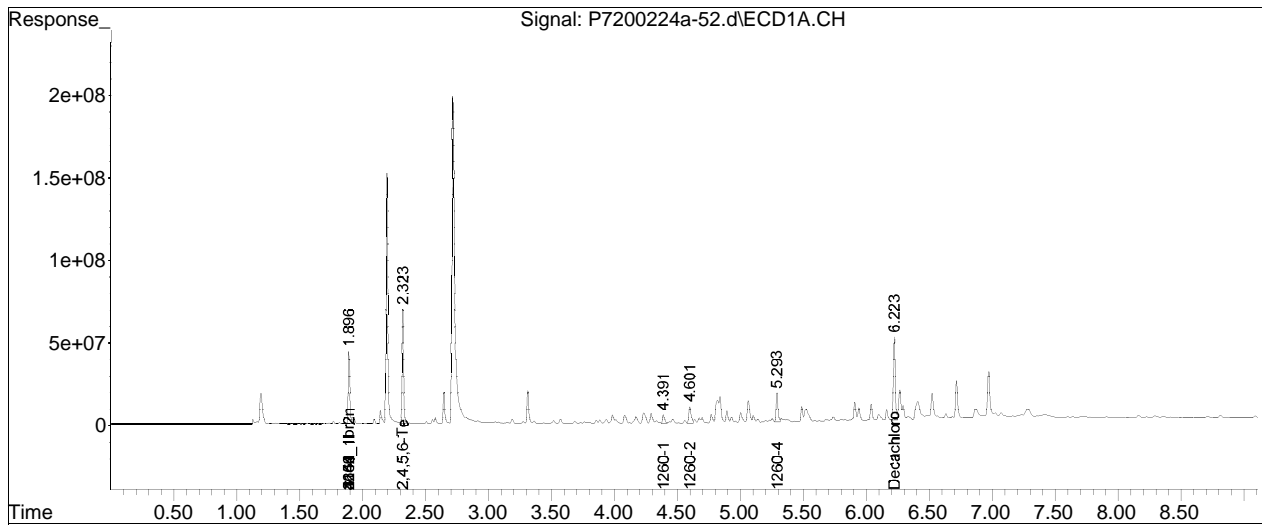
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-45.d••ed)

Data Path : I:\Pest7\200224\
Data File : P7200224a-52.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Feb 2020 11:34 pm
Operator : pest7:aws
Sample : 12007956-06,42e,,
Misc : wg1343740,wg1343788,ical15997
ALS Vial : 51 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 18:56:43 2020
Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Thu Feb 06 12:33:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest7\200224A\ Data File	: P7200224a-52.d	QMethod	: P7_pcb_07_28_19_ugL_ICAL
Date Inj'd	: 2/24/2020 11:34 pm		Operator	: pest7:aws
Sample	: 12007956-06,42e,,		Instrument	: Pest 7
			Quant Date	: 2/27/2020 6:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-53.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:47 pm
 Operator : pest7:aws
 Sample : l2007956-07,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:57:14 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.896	1.947	389.4E6	319.4E6	250.000	250.000
Standard Area 1 : #1 = 461755486					Recovery =	84.34%
Standard Area 1 : #2 = 365193815					Recovery =	87.46%
14) i 2154_1br2nb	1.896	1.947	389.4E6	319.4E6	250.000	250.000
23) i 4268_1br2nb	1.896	1.947	389.4E6	319.4E6	250.000	250.000
34) i 1248_1br2nb	1.896	1.947	389.4E6	319.4E6	250.000	250.000
40) i 3262_1br2nb	1.896	1.947	389.4E6	319.4E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.323	2.465	632.2E6	502.4E6	329.952	325.109
Spiked Amount 500.000	Range 30 - 150		Recovery =		65.99%	65.02%
3) s Decachlorobi	6.225	6.640f	566.5E6	468.9E6	445.425	504.843M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		89.09%	100.97%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.392f	4.790f	10735611	10062598	114.988	144.589
10) l2 1260-2	4.602f	4.949f	27600154	17230313	197.429	215.095
11) l2 1260-3	0.000	5.473f	0	11734855	N.D. d	180.187
12) l2 1260-4	5.294f	5.648f	44214964	35479444	232.479	263.618
13) l2 1260-5	5.490f	5.891f	37009219	25977366	283.094M1	276.590
Sum 1260-1			119.6E6	100.5E6	827.990	1080.078
Average 1260-1					206.997	216.016

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-53.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:47 pm
 Operator : pest7:aws
 Sample : 12007956-07,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:57:14 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D.	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-53.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:47 pm
 Operator : pest7:aws
 Sample : 12007956-07,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:57:14 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.	
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

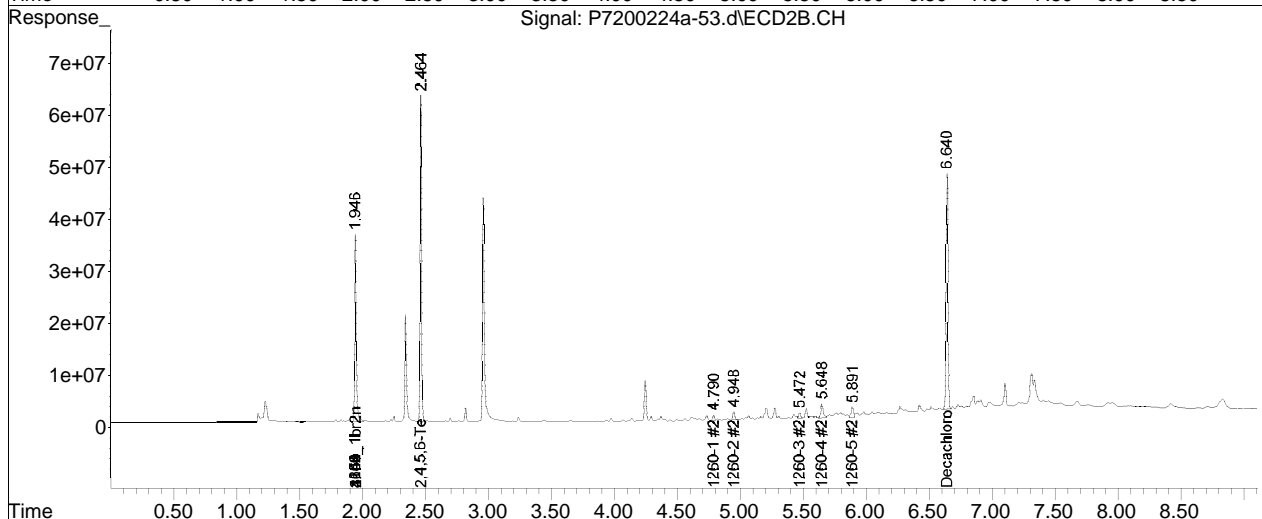
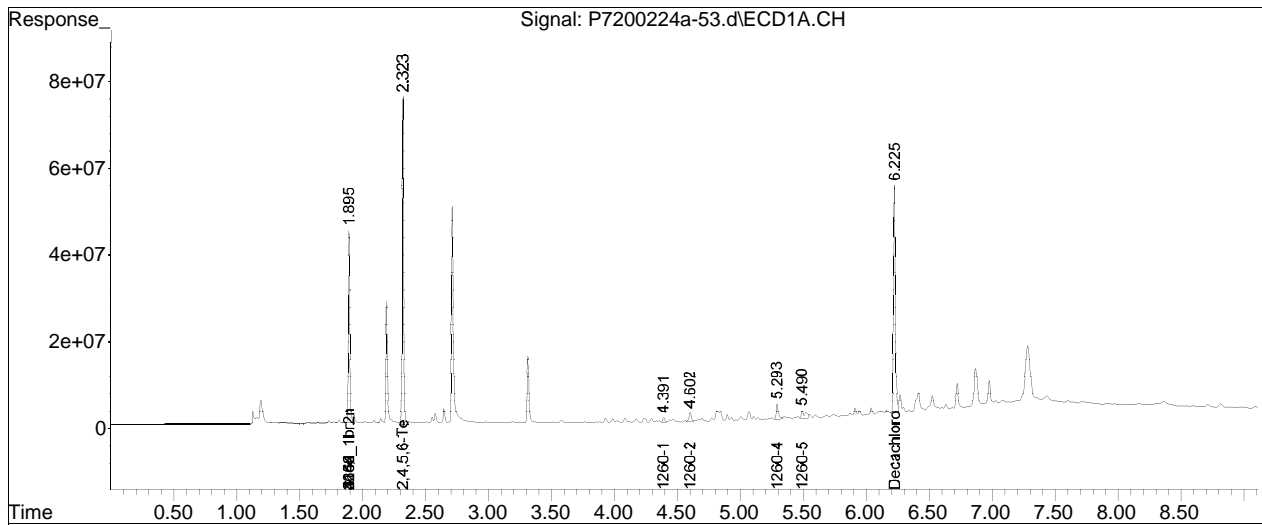
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-45.d••ed)

Data Path : I:\Pest7\200224A\
Data File : P7200224a-53.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Feb 2020 11:47 pm
Operator : pest7:aws
Sample : 12007956-07,42e,,
Misc : wg1343740,wg1343788,ical15997
ALS Vial : 52 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 18:57:14 2020
Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Thu Feb 06 12:33:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

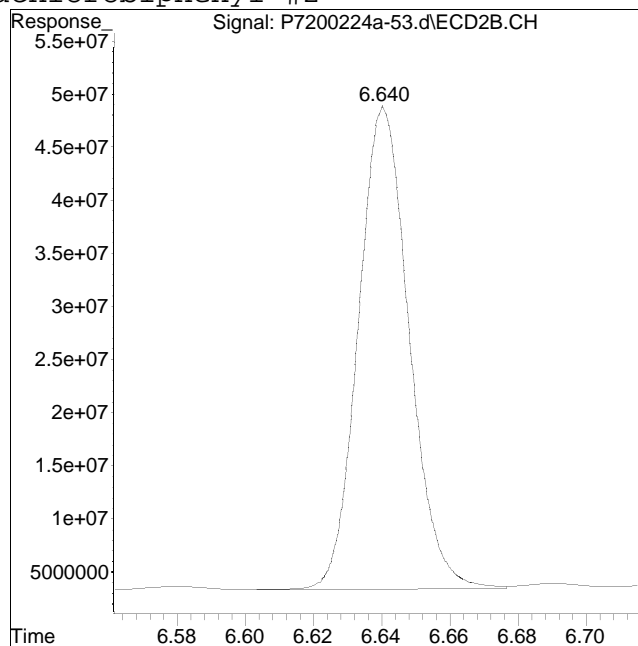
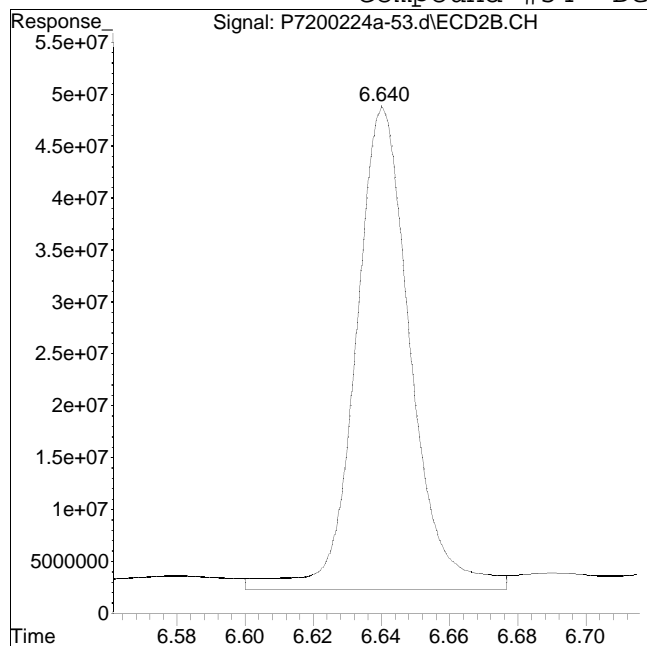


Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-53.d
Date Inj'd : 2/24/2020 11:47 pm
Sample : 12007956-07,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 519706859

Manual Peak Response = 468861024 M4

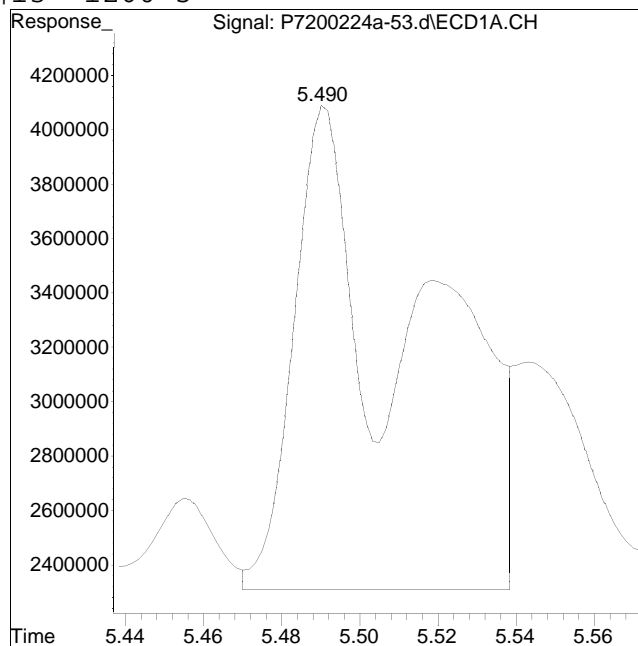
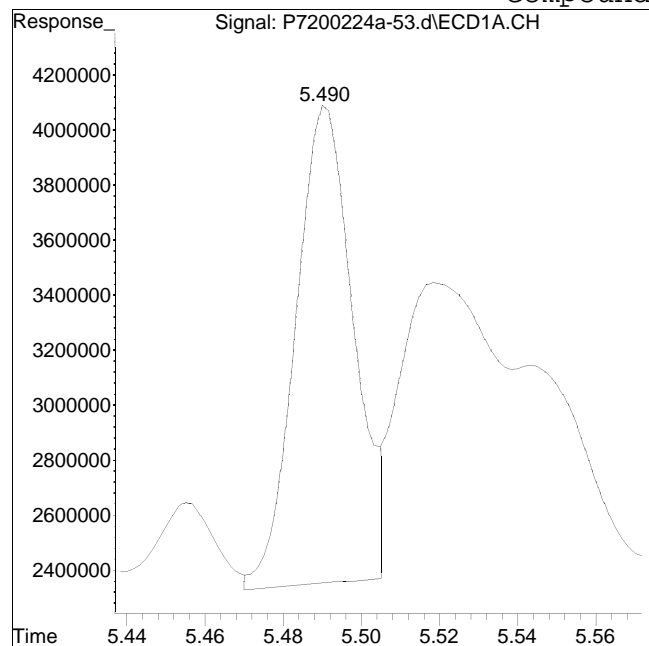
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-53.d
Date Inj'd : 2/24/2020 11:47 pm
Sample : 12007956-07,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #13: 1260-5



Original Peak Response = 17578991

Manual Peak Response = 37009219 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-54.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:59 pm
 Operator : pest7:aws
 Sample : l2007956-08,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:57:43 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.896	1.946	395.2E6	326.8E6	250.000	250.000
Standard Area 1 : #1 = 461755486					Recovery =	85.59%
Standard Area 1 : #2 = 365193815					Recovery =	89.50%
14) i 2154_1br2nb	1.896	1.946	395.2E6	326.8E6	250.000	250.000
23) i 4268_1br2nb	1.896	1.946	395.2E6	326.8E6	250.000	250.000
34) i 1248_1br2nb	1.896	1.946	395.2E6	326.8E6	250.000	250.000
40) i 3262_1br2nb	1.896	1.946	395.2E6	326.8E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.324	2.464	546.8E6	447.6E6	281.179	283.069
Spiked Amount 500.000	Range 30 - 150				Recovery =	56.24%
3) s Decachlorobi	6.224	6.640f	486.4E6	558.3E6	376.812	587.489
Spiked Amount 500.000	Range 30 - 150				Recovery =	75.36%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.392f	4.790f	389.9E6	322.2E6	4115.139	4524.435
10) l2 1260-2	4.603f	4.947f	854.8E6	595.7E6	6024.511	7267.937
11) l2 1260-3	5.075f	5.472f	546.1E6	403.7E6	6313.889	6058.430
12) l2 1260-4	5.294f	5.649f	1253.6E6	1320.4E6	6494.806	9587.515
13) l2 1260-5	5.490f	5.891f	1151.2E6	823.7E6	8676.824M1	8570.718
Sum 1260-1			4195.6E6	3465.7E6	31625.169	36009.036
Average 1260-1					6325.034	7201.807

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-54.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:59 pm
 Operator : pest7:aws
 Sample : 12007956-08,42e,,
 Misc : wg1343740,wg1343788,ical15997
 ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:57:43 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-54.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 11:59 pm
 Operator : pest7:aws
 Sample : 12007956-08,42e,,
 Misc : wg1343740,wg1343788,ical15997
 ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:57:43 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

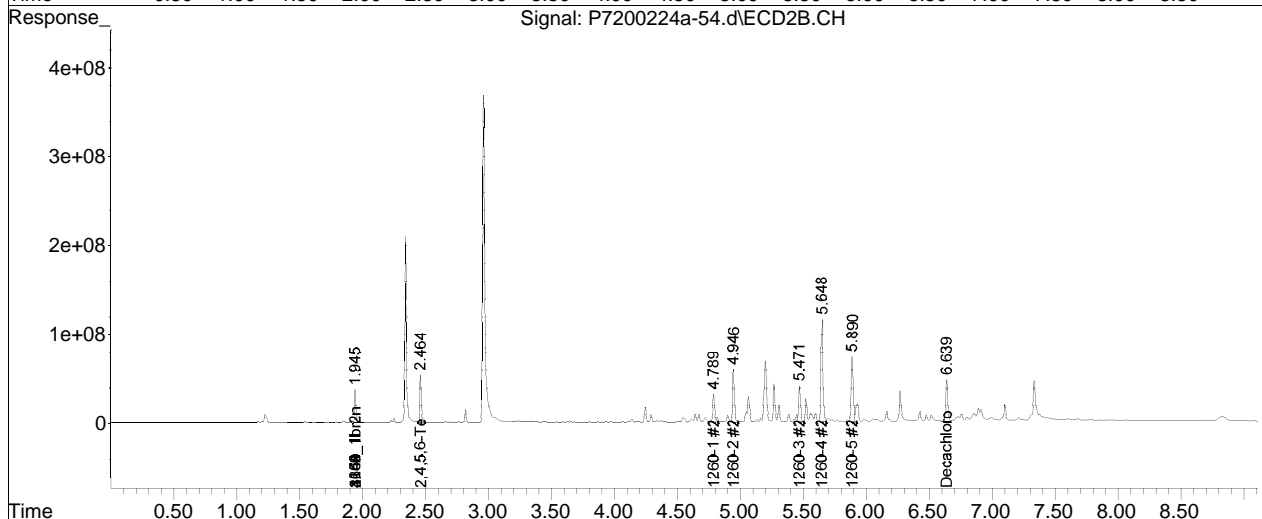
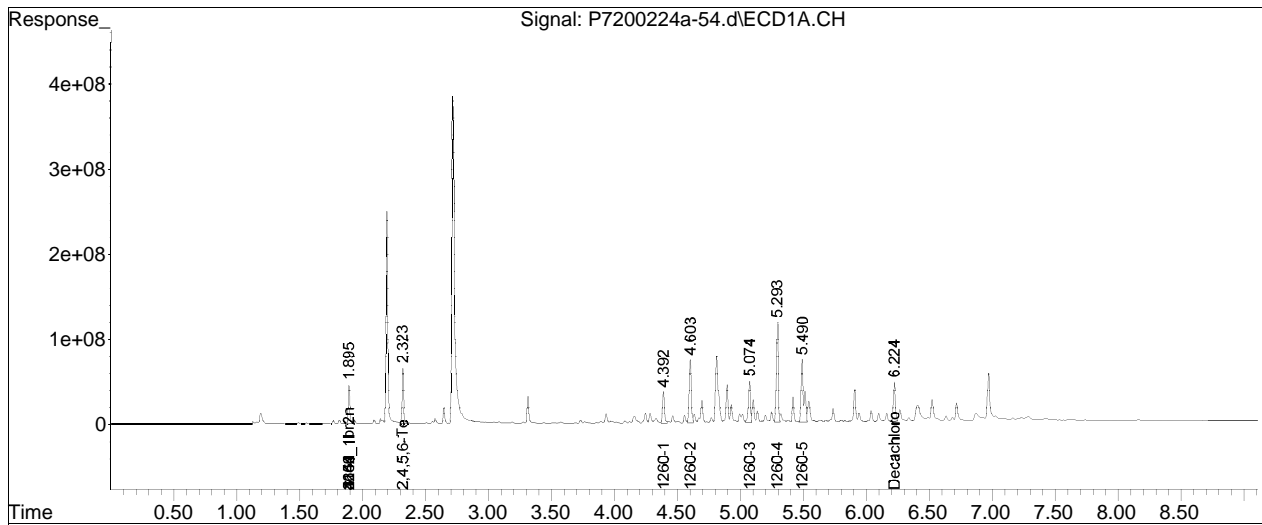
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-45.d••ed)

Data Path : I:\Pest7\200224A\
Data File : P7200224a-54.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Feb 2020 11:59 pm
Operator : pest7:aws
Sample : 12007956-08,42e,,
Misc : wg1343740,wg1343788,ical15997
ALS Vial : 53 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 18:57:43 2020
Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Thu Feb 06 12:33:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

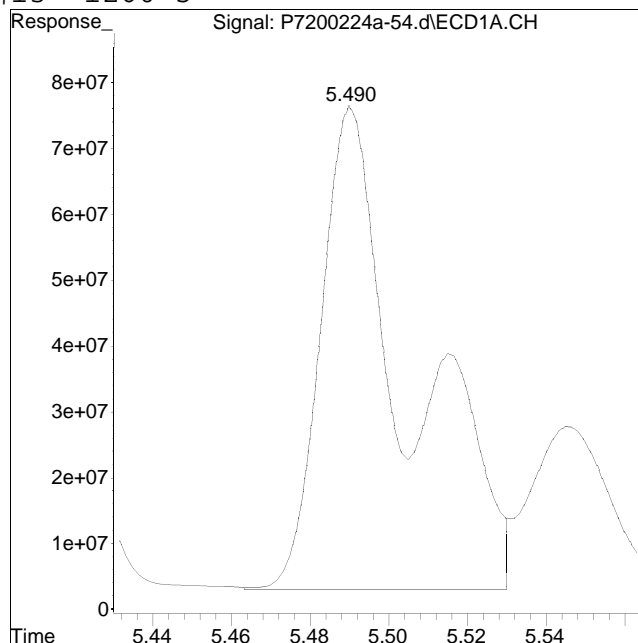
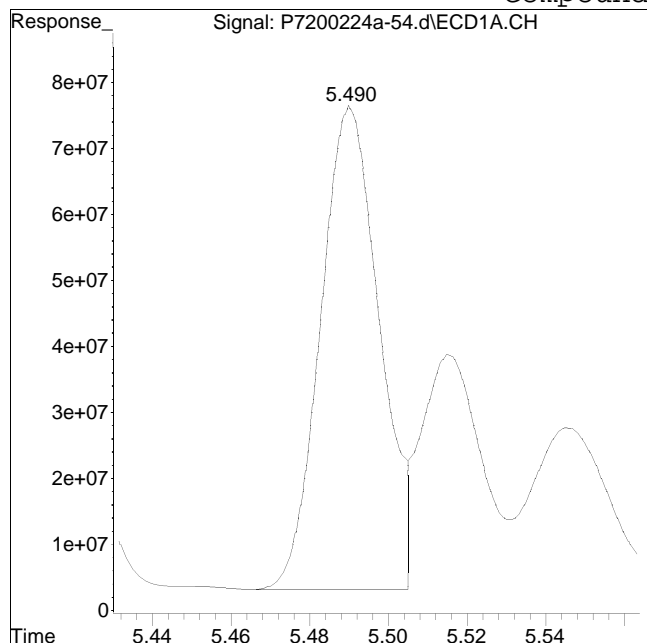


Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-54.d
Date Inj'd : 2/24/2020 11:59 pm
Sample : 12007956-08,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #13: 1260-5



Original Peak Response = 758924390

Manual Peak Response = 1151223336 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-55.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 12:11 am
 Operator : pest7:aws
 Sample : l2007956-09,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:58:11 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.896	1.947	453.5E6	362.2E6	250.000	250.000
Standard Area 1 : #1 = 461755486					Recovery =	98.22%
Standard Area 1 : #2 = 365193815					Recovery =	99.17%
14) i 2154_1br2nb	1.896	1.947	453.5E6	362.2E6	250.000	250.000
23) i 4268_1br2nb	1.896	1.947	453.5E6	362.2E6	250.000	250.000
34) i 1248_1br2nb	1.896	1.947	453.5E6	362.2E6	250.000	250.000
40) i 3262_1br2nb	1.896	1.947	453.5E6	362.2E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.323	2.465	805.3E6	661.1E6	360.932	377.294
Spiked Amount 500.000	Range 30 - 150		Recovery =		72.19%	75.46%
3) s Decachlorobi	6.223	6.638f	623.4E6	512.0E6	420.887	486.186
Spiked Amount 500.000	Range 30 - 150		Recovery =		84.18%	97.24%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.392f	4.790f	12447913	10901046	114.487	138.142
10) l2 1260-2	4.602f	4.948f	32555837	20579331	199.968	226.568
11) l2 1260-3	5.074f	5.472f	16816183	12104569	169.433	163.918
12) l2 1260-4	5.293f	5.648f	41948648	40604986	189.394	266.078
13) l2 1260-5	5.489f	5.890f	32027540	23526236	210.367M1	220.915
Sum 1260-1			135.8E6	107.7E6	883.649	1015.621
Average 1260-1					176.730	203.124

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-55.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 12:11 am
 Operator : pest7:aws
 Sample : 12007956-09,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:58:11 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D.	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D.	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-55.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 12:11 am
 Operator : pest7:aws
 Sample : 12007956-09,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:58:11 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

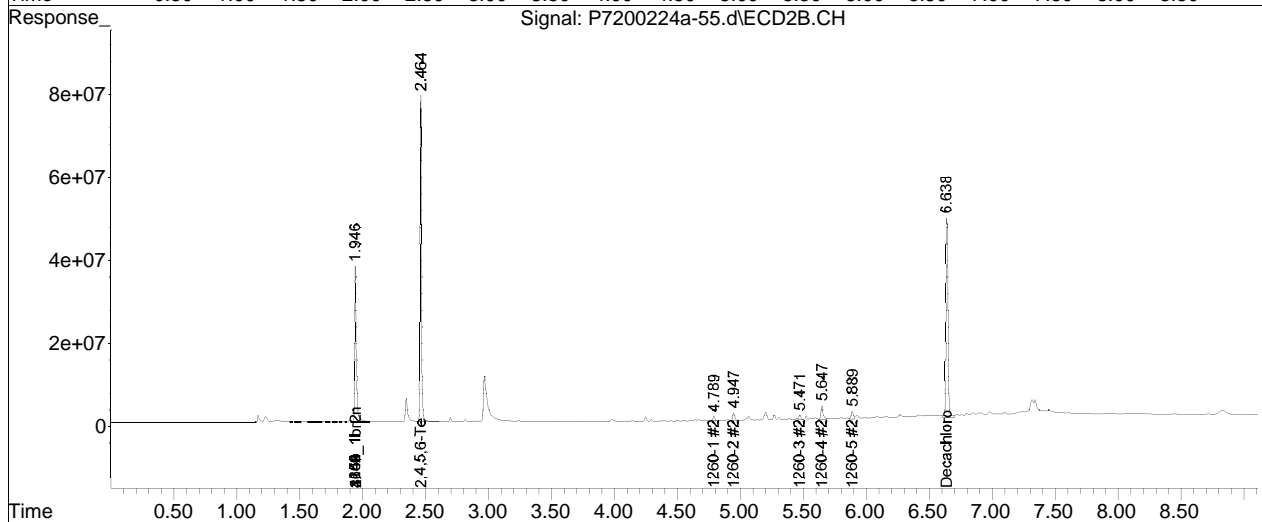
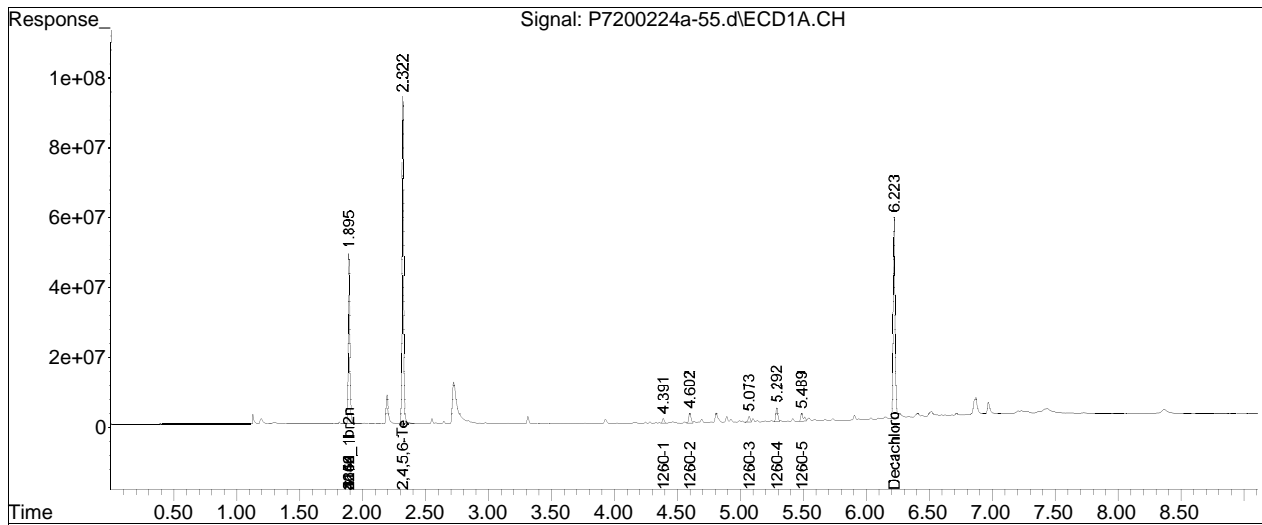
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-45.d••ed)

Data Path : I:\Pest7\200224A\
Data File : P7200224a-55.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 12:11 am
Operator : pest7:aws
Sample : 12007956-09,42e,,
Misc : wg1343740,wg1343788,ical15997
ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 18:58:11 2020
Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Thu Feb 06 12:33:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

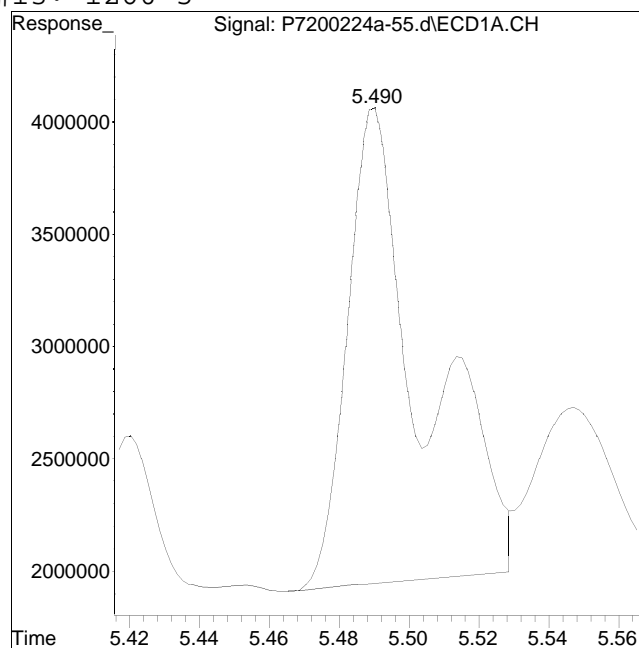
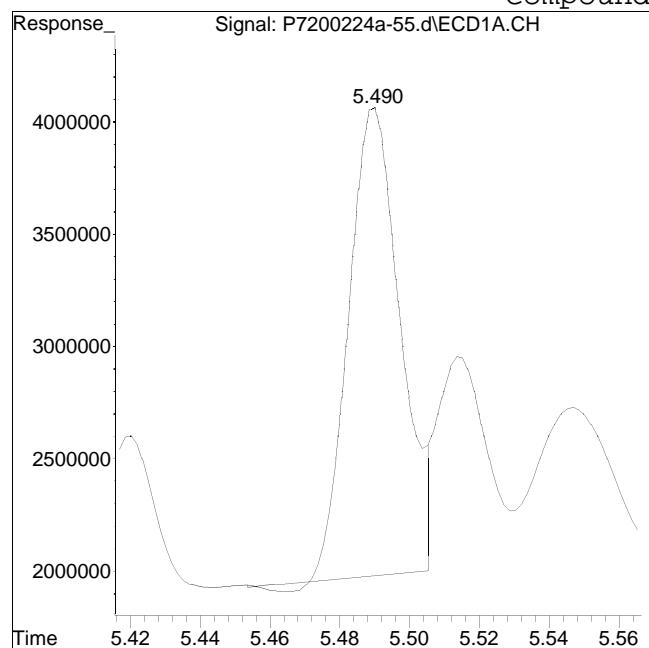


Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-55.d
Date Inj'd : 2/25/2020 12:11 am
Sample : 12007956-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #13: 1260-5



Original Peak Response = 20800090

Manual Peak Response = 32027540 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224\
 Data File : P7200224a-56.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 12:24 am
 Operator : pest7:aws
 Sample : l2007956-10,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:58:46 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.895	1.946	399.1E6	328.6E6	250.000	250.000
Standard Area 1 : #1 = 461755486					Recovery =	86.43%
Standard Area 1 : #2 = 365193815					Recovery =	89.97%
14) i 2154_1br2nb	1.895	1.946	399.1E6	328.6E6	250.000	250.000
23) i 4268_1br2nb	1.895	1.946	399.1E6	328.6E6	250.000	250.000
34) i 1248_1br2nb	1.895	1.946	399.1E6	328.6E6	250.000	250.000
40) i 3262_1br2nb	1.895	1.946	399.1E6	328.6E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.323	2.465	705.5E6	578.8E6	359.267	364.142
Spiked Amount 500.000	Range 30 - 150		Recovery =		71.85%	72.83%
3) s Decachlorobi	6.223	6.638f	623.2E6	598.2E6	478.066	626.130
Spiked Amount 500.000	Range 30 - 150		Recovery =		95.61%	125.23%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.391f	4.789f	157.1E6	126.1E6	1641.515	1761.544
10) l2 1260-2	4.601f	4.947f	334.6E6	226.5E6	2335.590	2748.391
11) l2 1260-3	5.073f	5.472f	206.4E6	154.0E6	2363.432	2298.466
12) l2 1260-4	5.293f	5.647f	520.0E6	458.5E6	2667.561	3311.669
13) l2 1260-5	5.489f	5.890f	435.6E6	322.7E6	3250.993M1	3340.137
Sum 1260-1			1653.7E6	1287.7E6	12259.091	13460.207
Average 1260-1					2451.818	2692.041

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-56.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 12:24 am
 Operator : pest7:aws
 Sample : 12007956-10,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:58:46 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-56.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 12:24 am
 Operator : pest7:aws
 Sample : 12007956-10,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:58:46 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

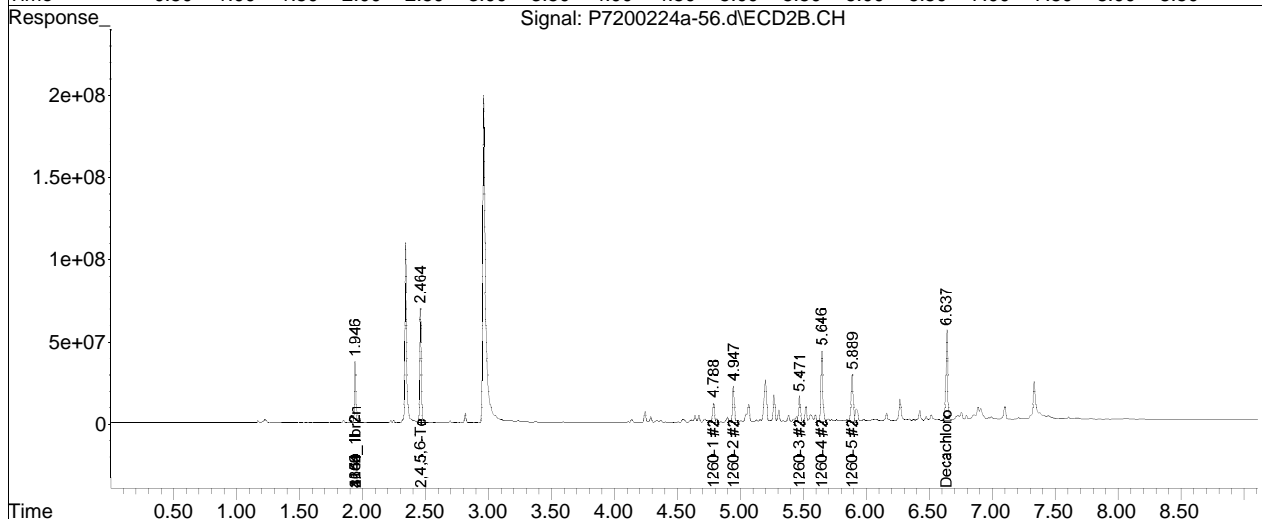
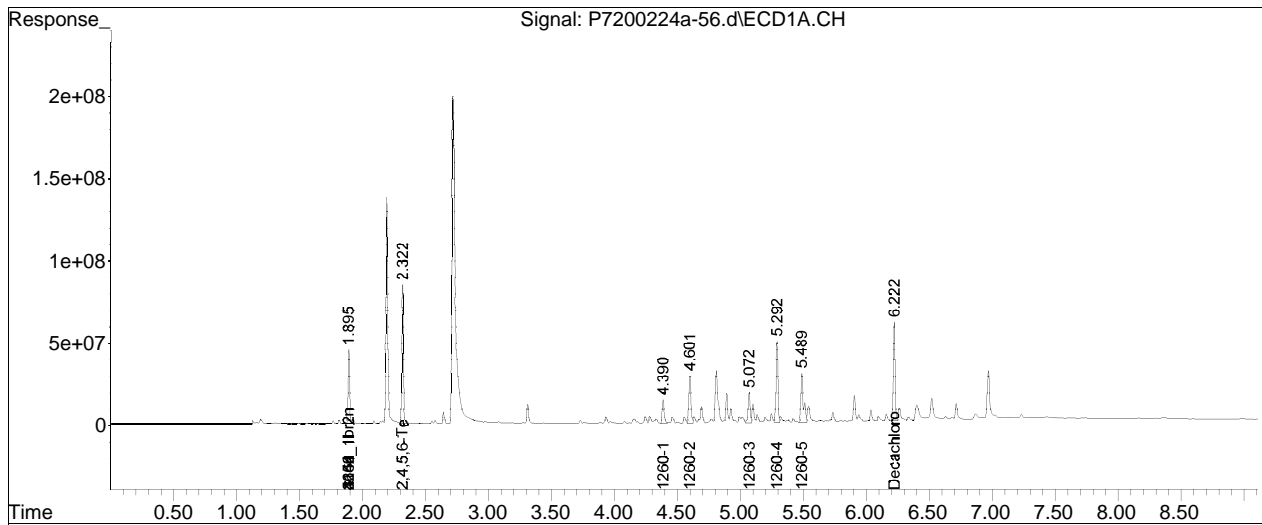
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-45.d••ed)

Data Path : I:\Pest7\200224\
Data File : P7200224a-56.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 12:24 am
Operator : pest7:aws
Sample : 12007956-10,42e,,
Misc : wg1343740,wg1343788,ical15997
ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 18:58:46 2020
Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Thu Feb 06 12:33:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

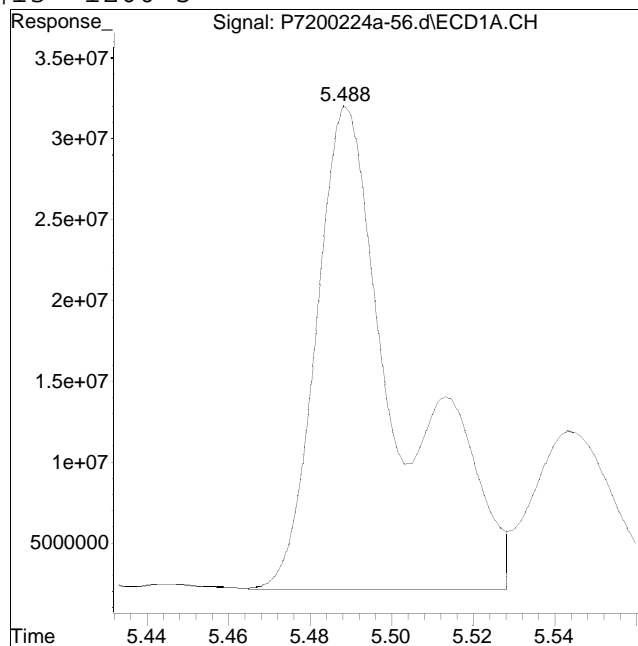
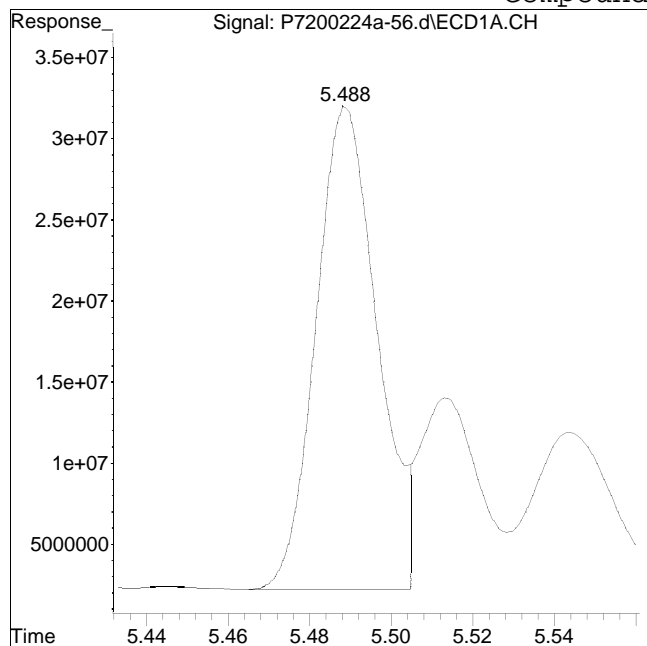


Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-56.d
Date Inj'd : 2/25/2020 12:24 am
Sample : 12007956-10,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #13: 1260-5



Original Peak Response = 306429547

Manual Peak Response = 435575349 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-58.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 12:49 am
 Operator : pest7:aws
 Sample : l2007956-12,42e,,
 Misc : wg1343740,wg1343788,ical15997
 ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:59:28 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.897	1.946	397.0E6	326.7E6	250.000	250.000
Standard Area 1 : #1 = 461755486					Recovery =	85.97%
Standard Area 1 : #2 = 365193815					Recovery =	89.45%
14) i 2154_1br2nb	1.897	1.946	397.0E6	326.7E6	250.000	250.000
23) i 4268_1br2nb	1.897	1.946	397.0E6	326.7E6	250.000	250.000
34) i 1248_1br2nb	1.897	1.946	397.0E6	326.7E6	250.000	250.000
40) i 3262_1br2nb	1.897	1.946	397.0E6	326.7E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.324	2.464	587.7E6	494.7E6	300.939	312.995
Spiked Amount 500.000 Range 30 - 150					Recovery =	60.19% 62.60%
3) s Decachlorobi	6.224	6.640f	537.7E6	560.5E6	414.739M4	590.114M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	82.95% 118.02%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.393f	4.790f	202.6E6	174.6E6	2128.432	2452.421
10) l2 1260-2	4.603f	4.947f	458.8E6	319.6E6	3219.446	3900.748
11) l2 1260-3	5.075f	5.472f	273.8E6	300.5E6	3151.736	4512.326
12) l2 1260-4	5.295f	5.648f	711.5E6	667.5E6	3670.262	4849.196
13) l2 1260-5	5.491f	5.890f	555.8E6	436.5E6	4170.930M1	4544.317
Sum 1260-1			2202.5E6	1898.7E6	16340.807	20259.007
Average 1260-1					3268.161	4051.801

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-58.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 12:49 am
 Operator : pest7:aws
 Sample : 12007956-12,42e,,
 Misc : wg1343740,wg1343788,ical15997
 ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:59:28 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-58.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 12:49 am
 Operator : pest7:aws
 Sample : 12007956-12,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:59:28 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-58.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 12:49 am
 Operator : pest7:aws
 Sample : 12007956-12,42e,,
 Misc : wg1343740,wg1343788,ical15997
 ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 27 18:59:28 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

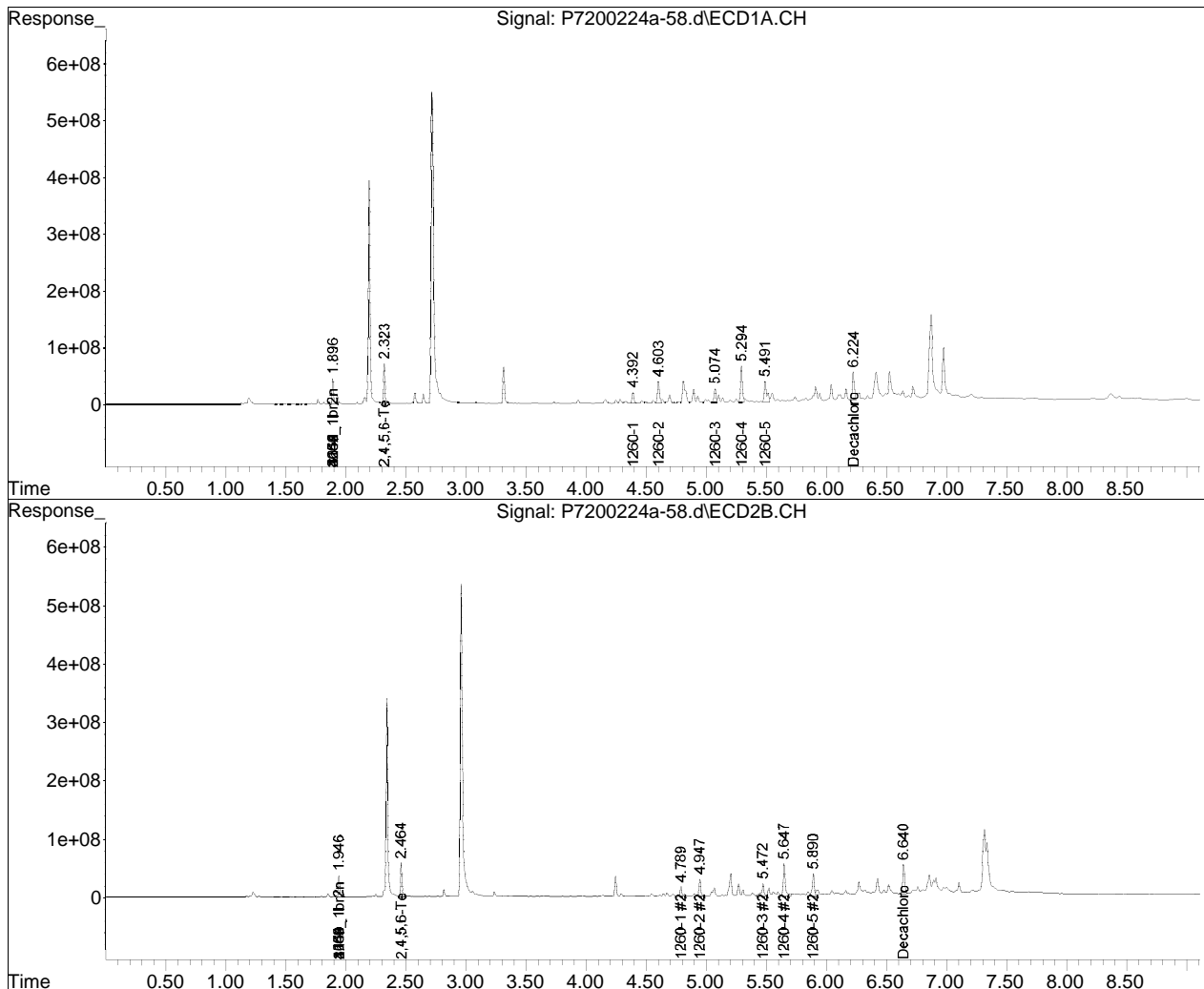
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-45.d••ed)

Data Path : I:\Pest7\200224A\
Data File : P7200224a-58.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 12:49 am
Operator : pest7:aws
Sample : 12007956-12,42e,,
Misc : wg1343740,wg1343788,ical15997
ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 27 18:59:28 2020
Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Thu Feb 06 12:33:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

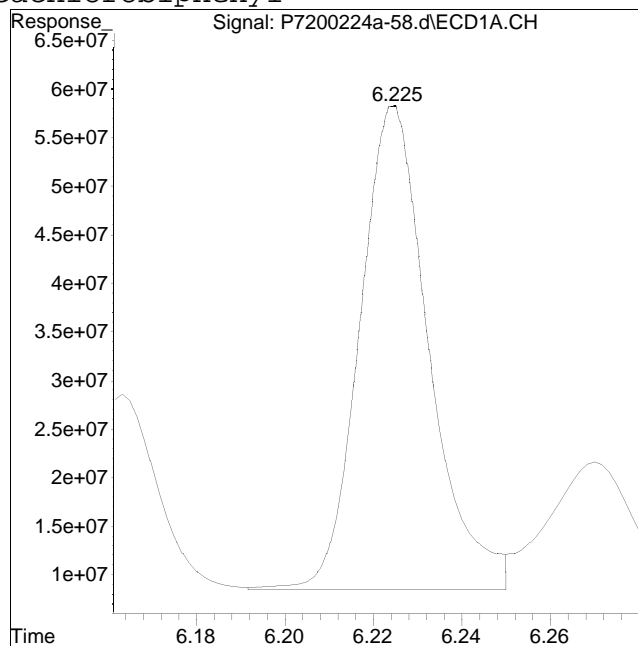
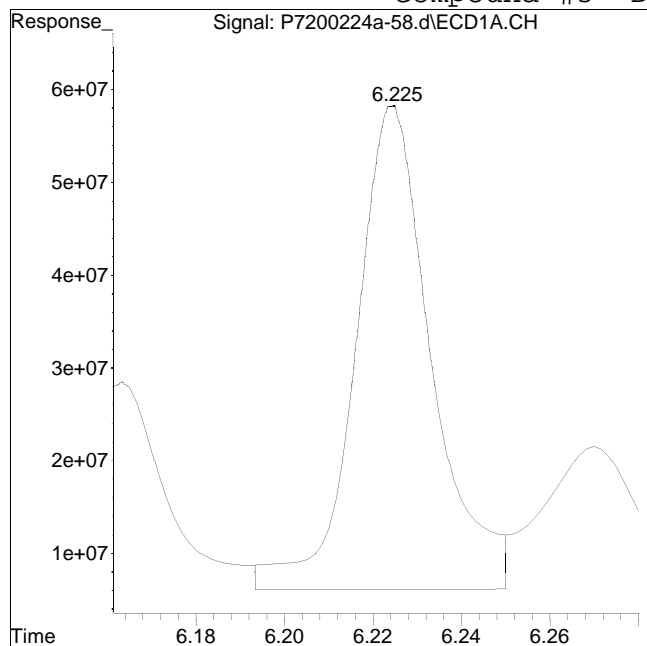


Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-58.d
Date Inj'd : 2/25/2020 12:49 am
Sample : 12007956-12,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 621632113

Manual Peak Response = 537709581 M4

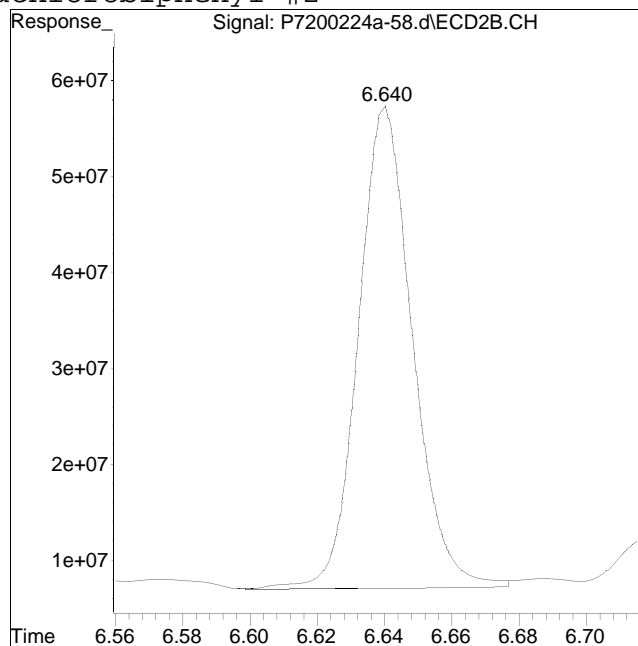
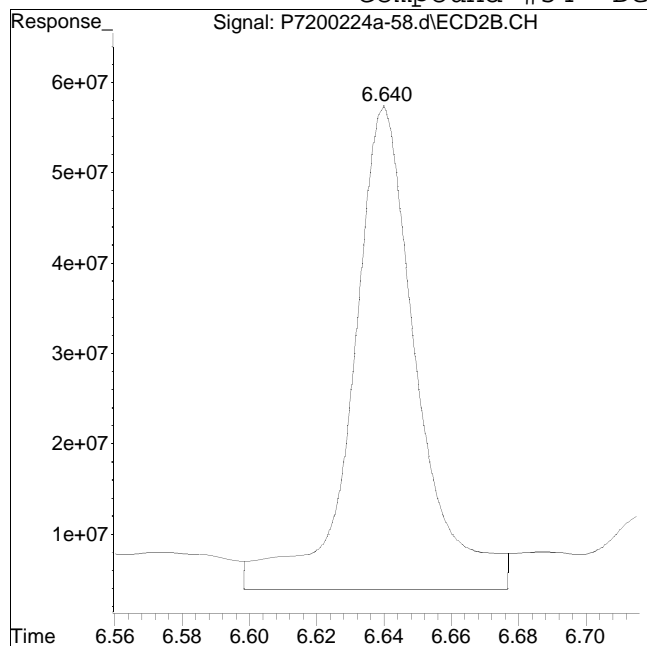
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-58.d
Date Inj'd : 2/25/2020 12:49 am
Sample : 12007956-12,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 710638059

Manual Peak Response = 560511268 M4

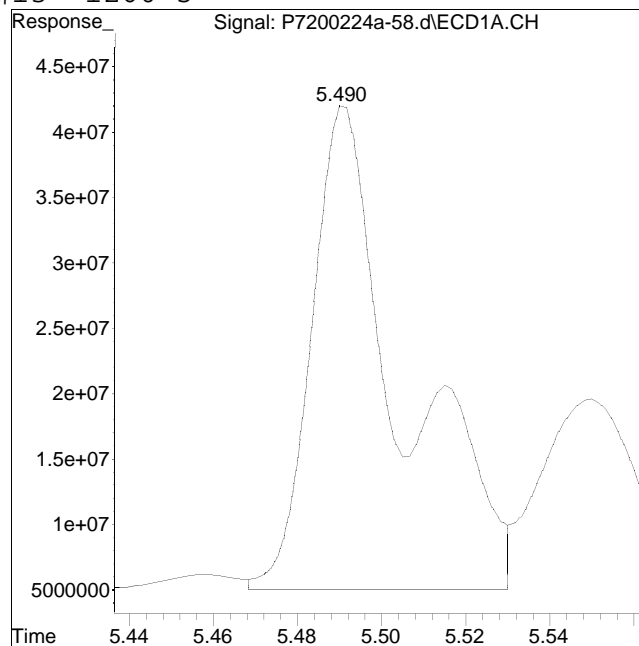
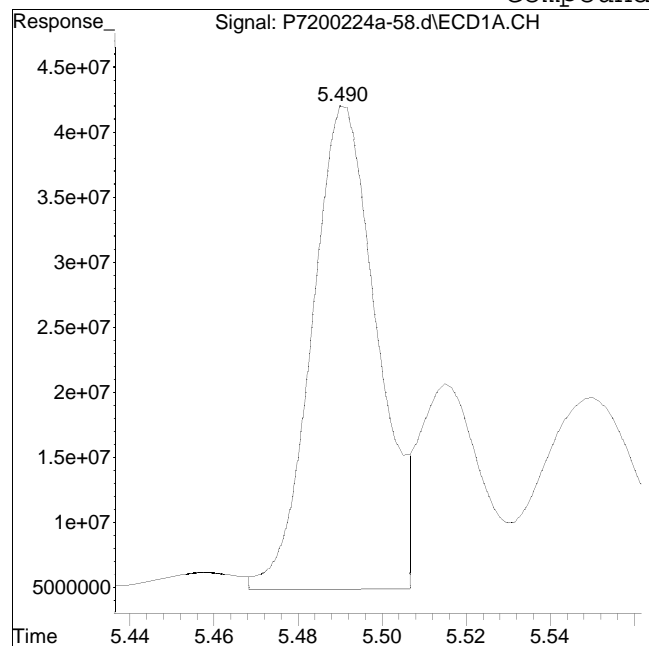
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-58.d
Date Inj'd : 2/25/2020 12:49 am
Sample : 12007956-12,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/27/2020 6:39 pm

Compound #13: 1260-5



Original Peak Response = 393519022

Manual Peak Response = 555806817 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-63.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 1:50 am
 Operator : pest7:aws
 Sample : wgl1343788-1,42e,,
 Misc : wgl1343740,wgl1343788,ical15997
 ALS Vial : 62 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:44:48 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.896	1.947	430.5E6	343.4E6	250.000	250.000
Standard Area 1 : #1 = 461755486					Recovery =	93.23%
Standard Area 1 : #2 = 365193815					Recovery =	94.04%
14) i 2154_1br2nb	1.896	1.947	430.5E6	343.4E6	250.000	250.000
23) i 4268_1br2nb	1.896	1.947	430.5E6	343.4E6	250.000	250.000
34) i 1248_1br2nb	1.896	1.947	430.5E6	343.4E6	250.000	250.000
40) i 3262_1br2nb	1.896	1.947	430.5E6	343.4E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.323	2.465	708.2E6	569.2E6	334.361	342.593
Spiked Amount 500.000	Range 30 - 150		Recovery =		66.87%	68.52%
3) s Decachlorobi	6.223	6.638f	544.3E6	415.8E6	387.091	416.365M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		77.42%	83.27%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-63.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 1:50 am
 Operator : pest7:aws
 Sample : wg1343788-1,42e,,
 Misc : wg1343740,wg1343788,ical15997
 ALS Vial : 62 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:44:48 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200224A\
 Data File : P7200224a-63.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 1:50 am
 Operator : pest7:aws
 Sample : wg1343788-1,42e,,
 Misc : wg1343740,wg1343788,ical15997
 ALS Vial : 62 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 14:44:48 2020
 Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Feb 06 12:33:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200224A\P7200224a-45.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

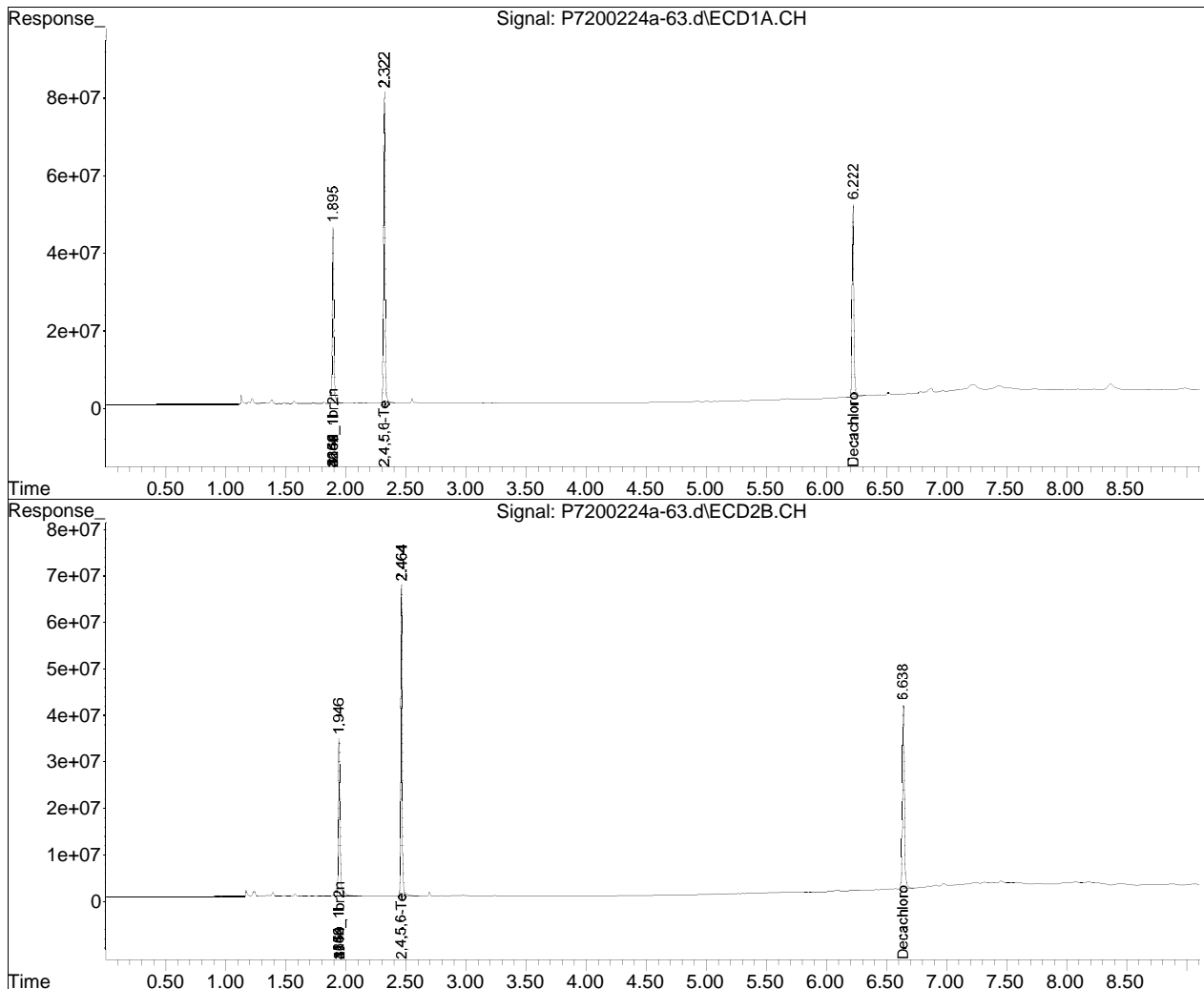
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-45.d••ed)

Data Path : I:\Pest7\200224A\
Data File : P7200224a-63.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 1:50 am
Operator : pest7:aws
Sample : wg1343788-1,42e,,
Misc : wg1343740,wg1343788,ical15997
ALS Vial : 62 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 14:44:48 2020
Quant Method : I:\Pest7\200224A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Thu Feb 06 12:33:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

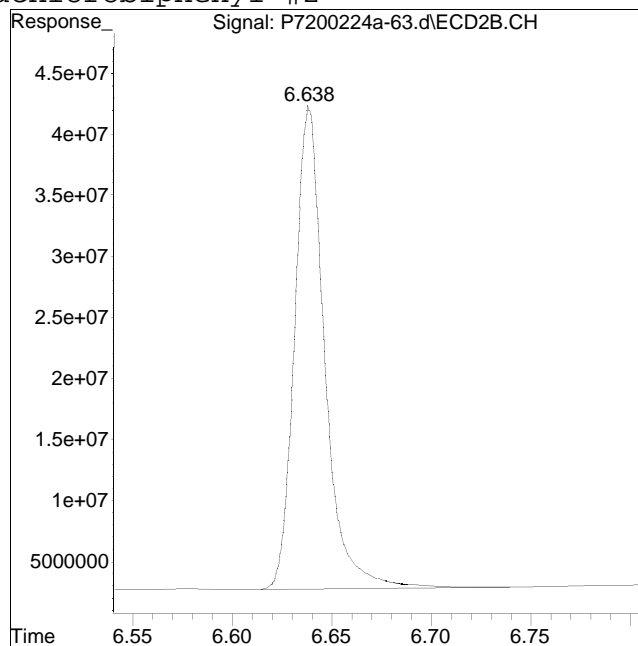
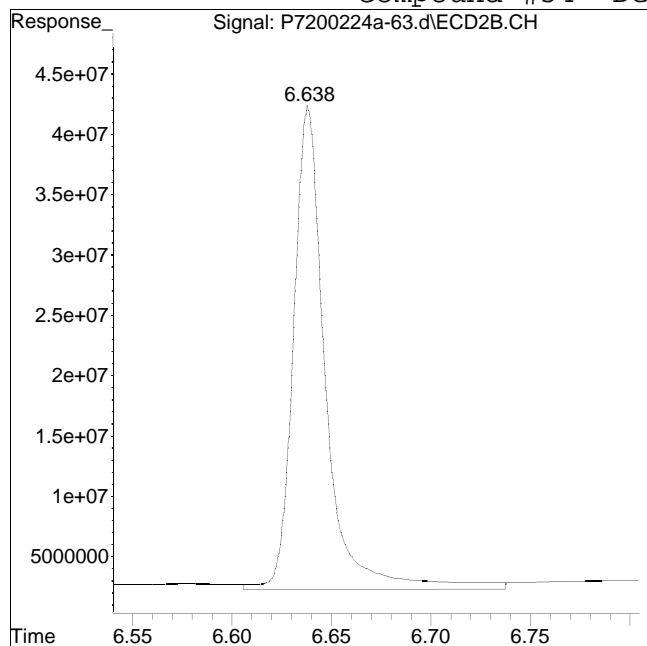


Manual Integration Report

Data Path : I:\Pest7\200224A\
Data File : P7200224a-63.d
Date Inj'd : 2/25/2020 1:50 am
Sample : wg1343788-1,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:aws
Instrument : Pest 7
Quant Date : 2/26/2020 2:44 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 455059618

Manual Peak Response = 415764596 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200302A\
 Data File : P7200302a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 1:13 pm
 Operator : pest7:ad
 Sample : wg1345995-1,42e,,
 Misc : wg1346074,wg1345995,ical15997
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 22:02:49 2020
 Quant Method : I:\Pest7\200302A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200302A\P7200302a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.898	1.935	494.0E6	394.2E6	250.000	250.000M4
Standard Area 1 : #1 = 487001671					Recovery =	101.44%
Standard Area 1 : #2 = 377628958					Recovery =	104.38%
14) i 2154_1br2nb	1.898	1.935	494.0E6	394.2E6	250.000	250.000M4
23) i 4268_1br2nb	1.898	1.935	494.0E6	394.2E6	250.000	250.000M4
34) i 1248_1br2nb	1.898	1.935	494.0E6	394.2E6	250.000	250.000M4
40) i 3262_1br2nb	1.898	1.935	494.0E6	394.2E6	250.000	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.329	2.454	905.3E6	752.8E6	372.495	394.789M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	74.50% 78.96%
3) s Decachlorobi	6.239	6.656	692.6E6	521.8E6	429.243M4	455.273M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	85.85% 91.05%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200302A\
 Data File : P7200302a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 1:13 pm
 Operator : pest7:ad
 Sample : wg1345995-1,42e,,
 Misc : wg1346074,wg1345995,ical15997
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 22:02:49 2020
 Quant Method : I:\Pest7\200302A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200302A\P7200302a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200302A\
 Data File : P7200302a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 1:13 pm
 Operator : pest7:ad
 Sample : wg1345995-1,42e,,
 Misc : wg1346074,wg1345995,ical15997
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 22:02:49 2020
 Quant Method : I:\Pest7\200302A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200302A\P7200302a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 25% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200302A\
 Data File : P7200302a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 1:13 pm
 Operator : pest7:ad
 Sample : wg1345995-1,42e,,
 Misc : wg1346074,wg1345995,ical15997
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 22:02:49 2020
 Quant Method : I:\Pest7\200302A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200302A\P7200302a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

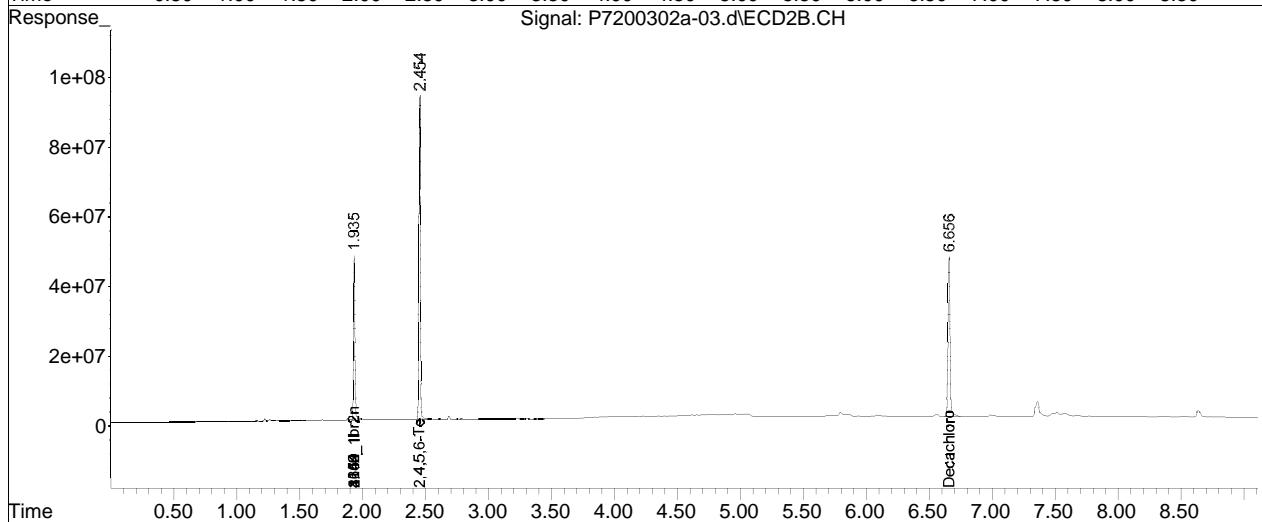
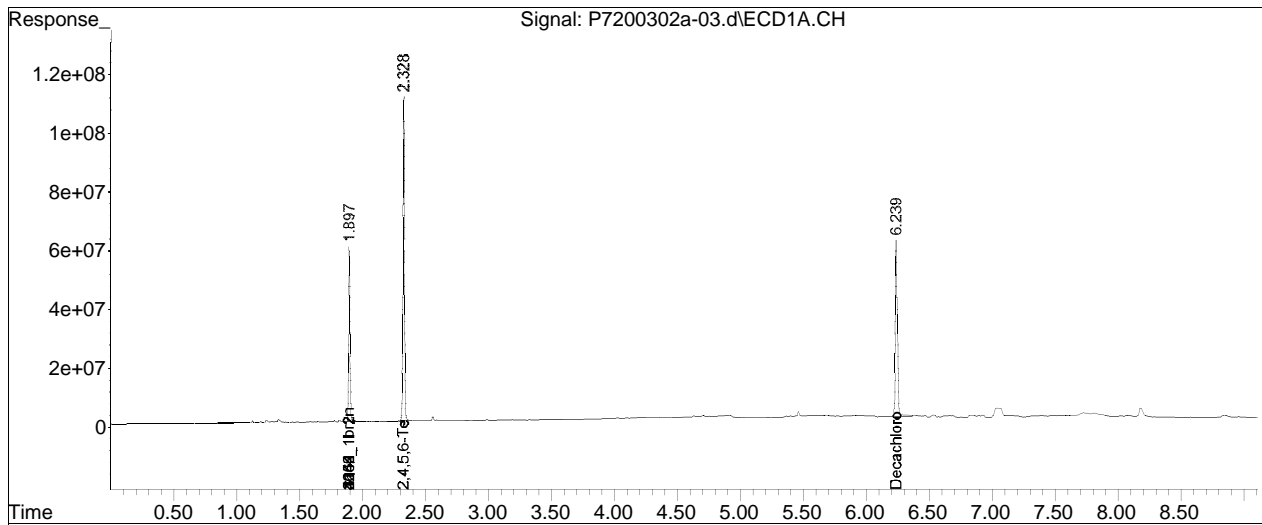
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest7\200302A\
 Data File : P7200302a-03.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 1:13 pm
 Operator : pest7:ad
 Sample : wg1345995-1,42e,,
 Misc : wg1346074,wg1345995,ical15997
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 22:02:49 2020
 Quant Method : I:\Pest7\200302A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

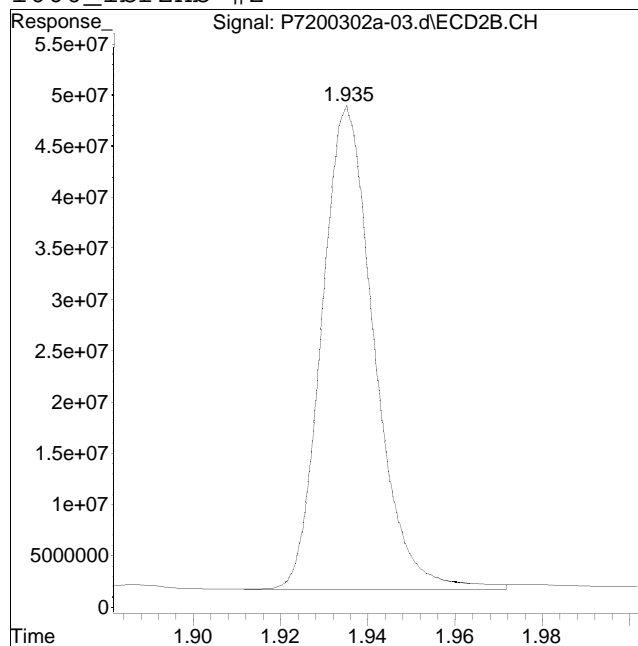
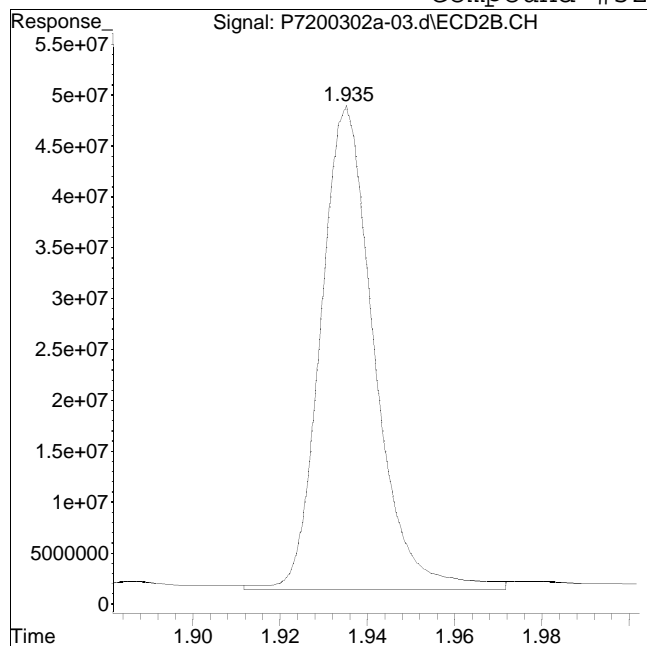


Manual Integration Report

Data Path : I:\Pest7\200302A\
Data File : P7200302a-03.d
Date Inj'd : 3/2/2020 1:13 pm
Sample : wg1345995-1,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:ad
Instrument : Pest 7
Quant Date : 3/4/2020 9:58 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 404813084

Manual Peak Response = 394162105 M4

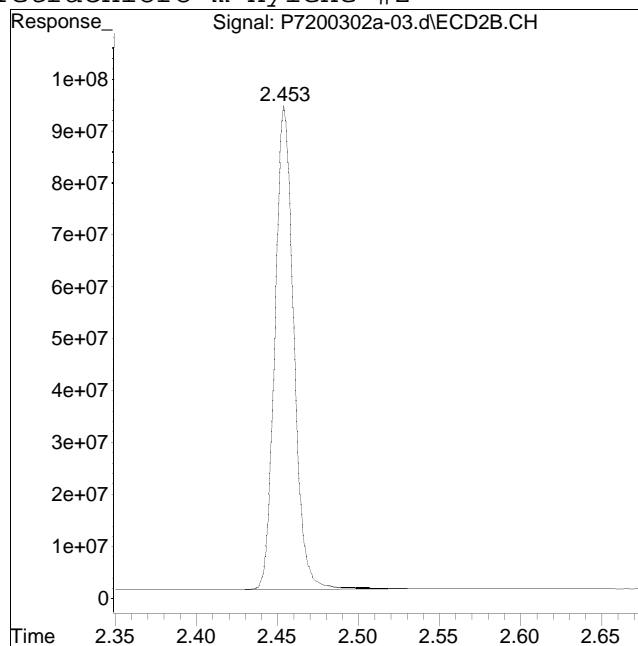
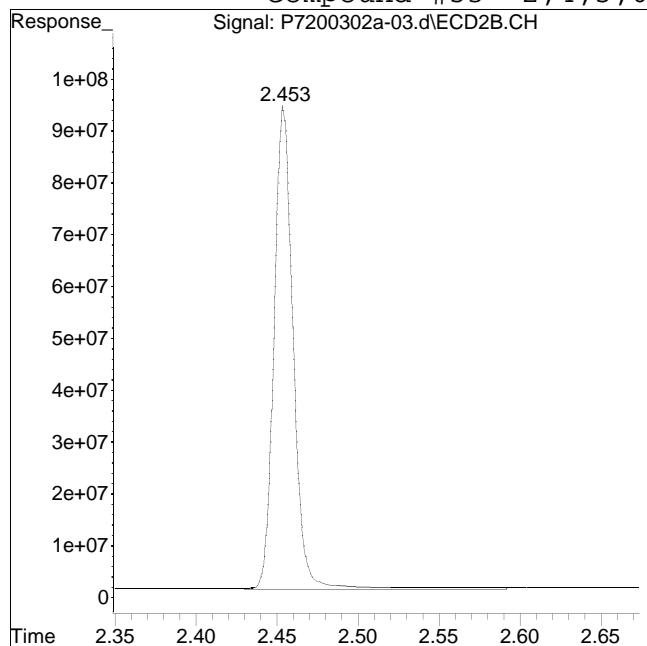
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200302A\
Data File : P7200302a-03.d
Date Inj'd : 3/2/2020 1:13 pm
Sample : wg1345995-1,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:ad
Instrument : Pest 7
Quant Date : 3/4/2020 9:58 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 787604474

Manual Peak Response = 752828201 M4

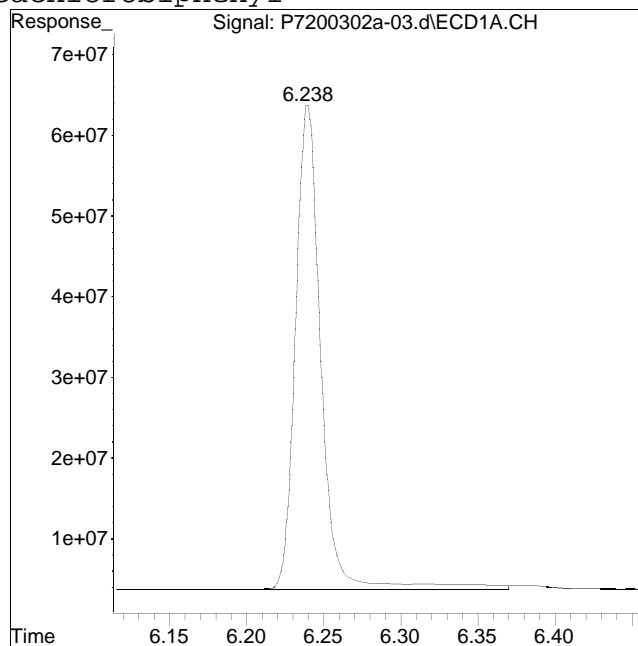
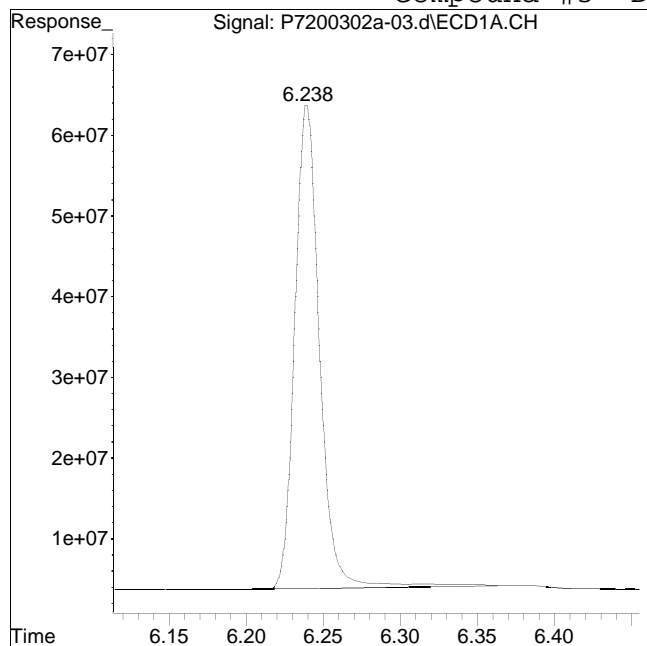
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200302A\
Data File : P7200302a-03.d
Date Inj'd : 3/2/2020 1:13 pm
Sample : wg1345995-1,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:ad
Instrument : Pest 7
Quant Date : 3/4/2020 9:58 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 668229100

Manual Peak Response = 692579635 M4

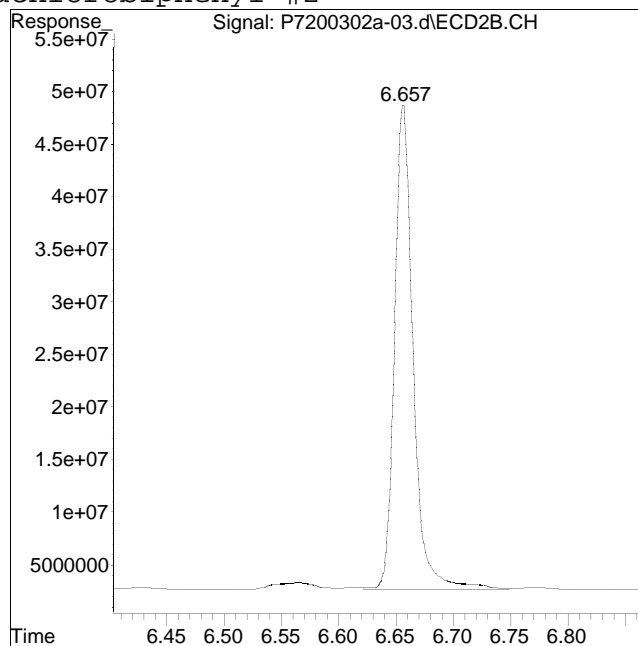
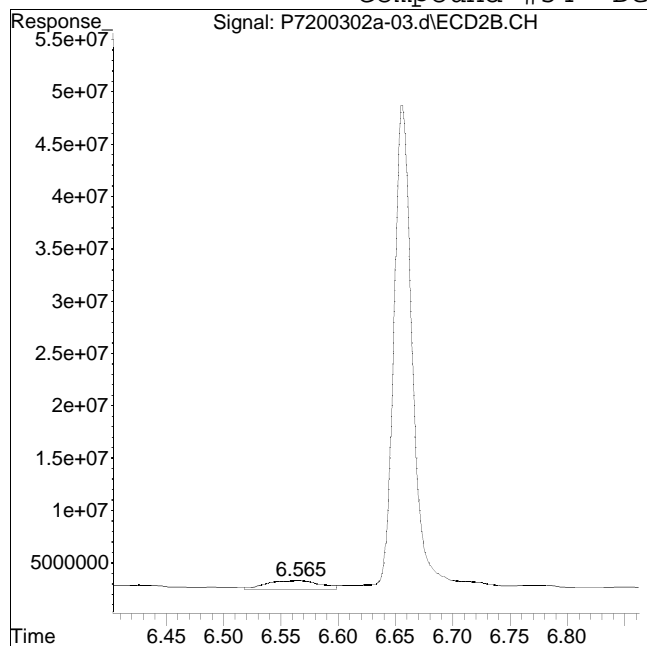
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200302A\
Data File : P7200302a-03.d
Date Inj'd : 3/2/2020 1:13 pm
Sample : wg1345995-1,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:ad
Instrument : Pest 7
Quant Date : 3/4/2020 9:58 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 28854160

Manual Peak Response = 521769497 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 4:13 pm
 Operator : pest2:ad
 Sample : wgl1343581-1,42e,,
 Misc : wgl1343754,wgl1343581,ical16010
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 18:09:00 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.090	2.279	94772932	63812988	25.000M4	25.000
Standard Area 1 : #1 = 108448144					Recovery =	87.39%
Standard Area 1 : #2 = 73429025					Recovery =	86.90%
14) i 2154_1br2nb	2.090	2.279	94772932	63812988	25.000M4	25.000
23) i 4268_1br2nb	2.090	2.279	94772932	63812988	25.000M4	25.000
34) i 1248_1br2nb	2.090	2.279	94772932	63812988	25.000M4	25.000
40) i 3262_1br2nb	2.090	2.279	94772932	63812988	25.000M4	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.569	2.921	45051880	31107336	11.586	11.569
Spiked Amount 20.000	Range 30 - 150				Recovery =	57.93%
3) s Decachlorobi	6.568	7.270	42915857	29733177	11.497M4	14.146M4
Spiked Amount 20.000	Range 30 - 150				Recovery =	57.48%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 4:13 pm
 Operator : pest2:ad
 Sample : wg1343581-1,42e,,
 Misc : wg1343754,wg1343581,ical16010
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 18:09:00 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 4:13 pm
 Operator : pest2:ad
 Sample : wg1343581-1,42e,,
 Misc : wg1343754,wg1343581,ical16010
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 18:09:00 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-26.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200224A\
 Data File : P2200224a-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 24 Feb 2020 4:13 pm
 Operator : pest2:ad
 Sample : wg1343581-1,42e,,
 Misc : wg1343754,wg1343581,ical16010
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 18:09:00 2020
 Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200224A\P2200224a-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

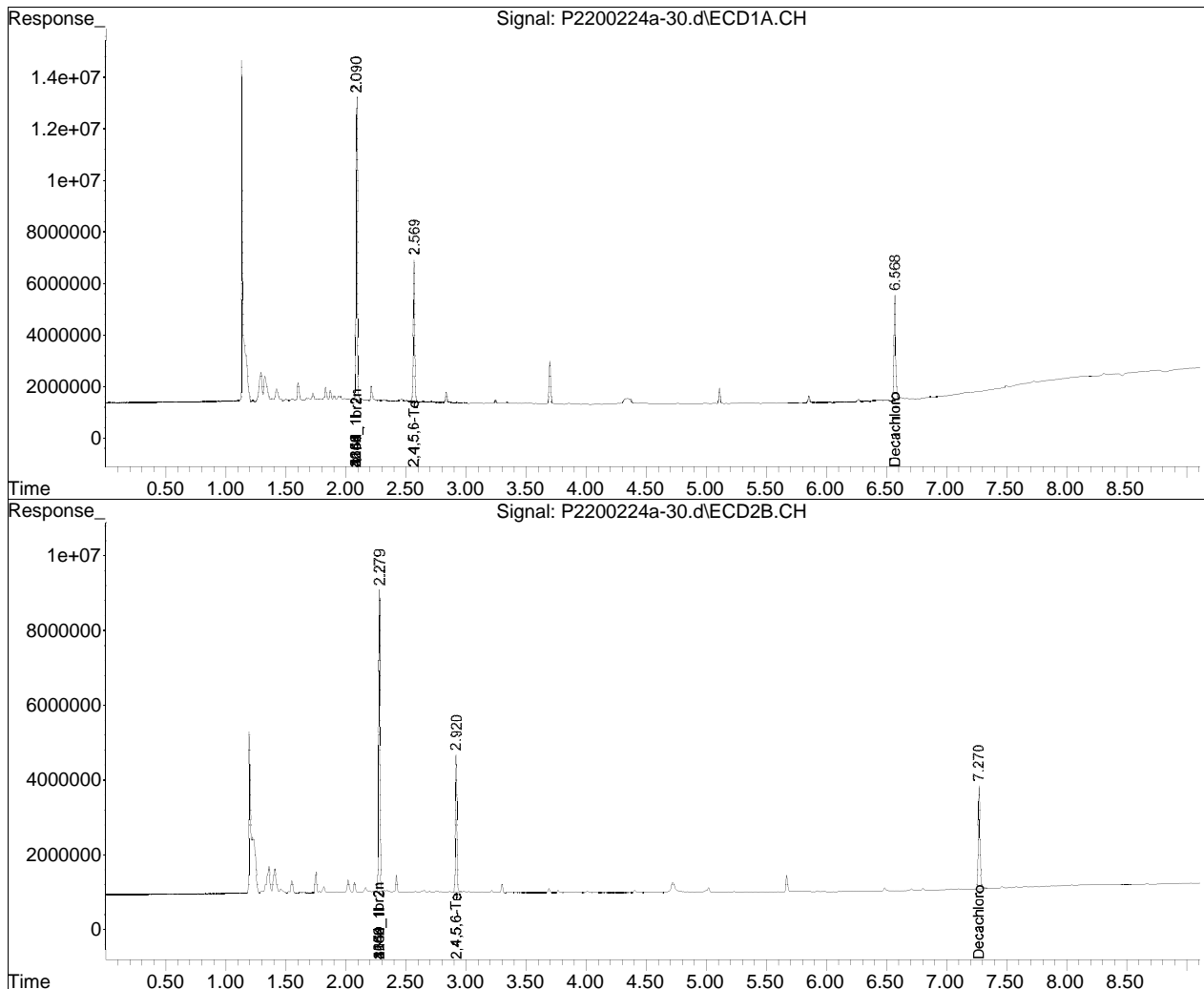
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-26.d••ed)

Data Path : I:\Pest2\200224A\
Data File : P2200224a-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Feb 2020 4:13 pm
Operator : pest2:ad
Sample : wg1343581-1,42e,,
Misc : wg1343754,wg1343581,ical16010
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 18:09:00 2020
Quant Method : I:\Pest2\200224A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

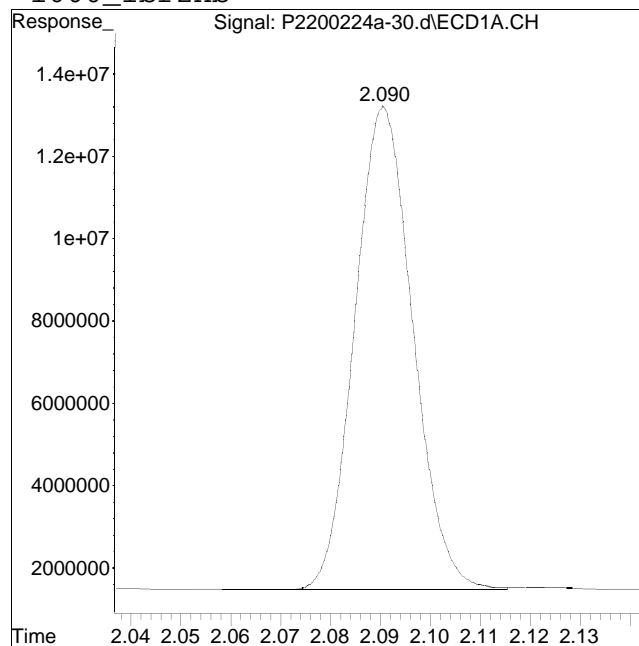
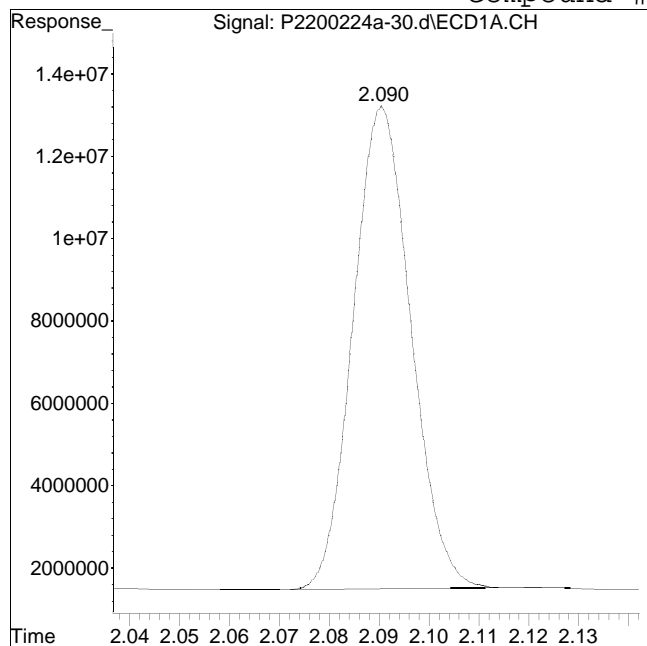


Manual Integration Report

Data Path : I:\Pest2\200224A\
Data File : P2200224a-30.d
Date Inj'd : 2/24/2020 4:13 pm
Sample : wg1343581-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/26/2020 6:06 pm

Compound #1: 1660_1br2nb



Original Peak Response = 93942995

Manual Peak Response = 94772932 M4

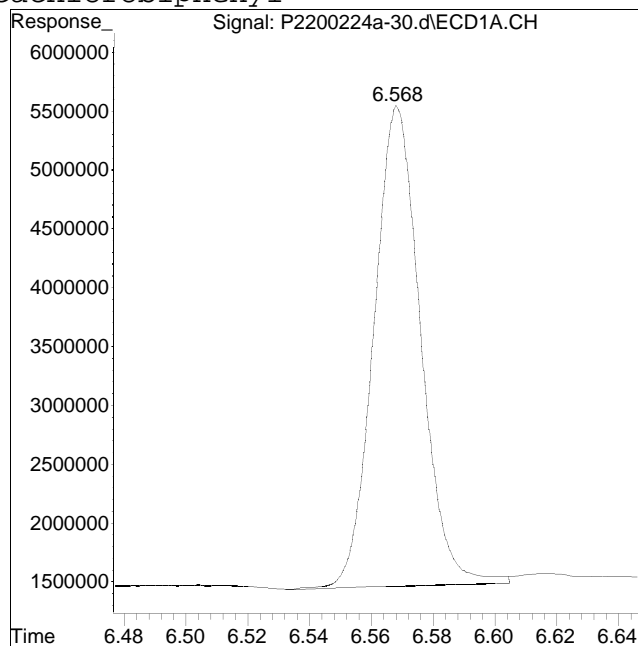
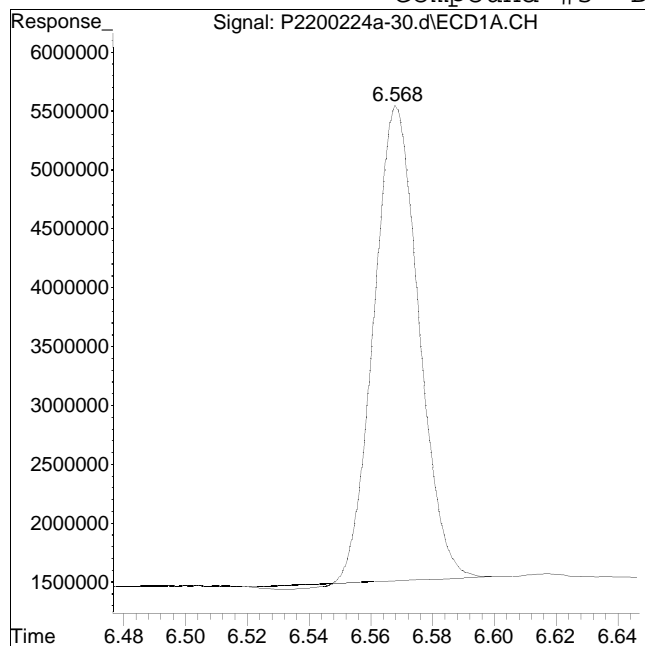
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200224A\
Data File : P2200224a-30.d
Date Inj'd : 2/24/2020 4:13 pm
Sample : wg1343581-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/26/2020 6:06 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 40528304

Manual Peak Response = 42915857 M4

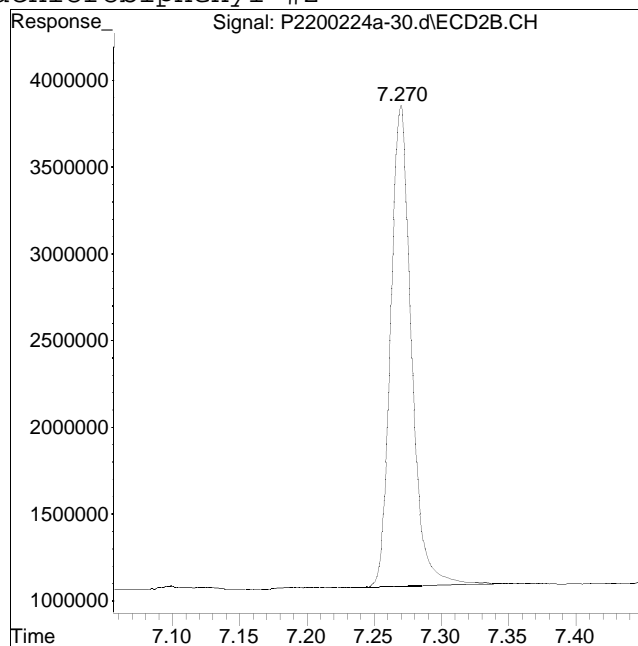
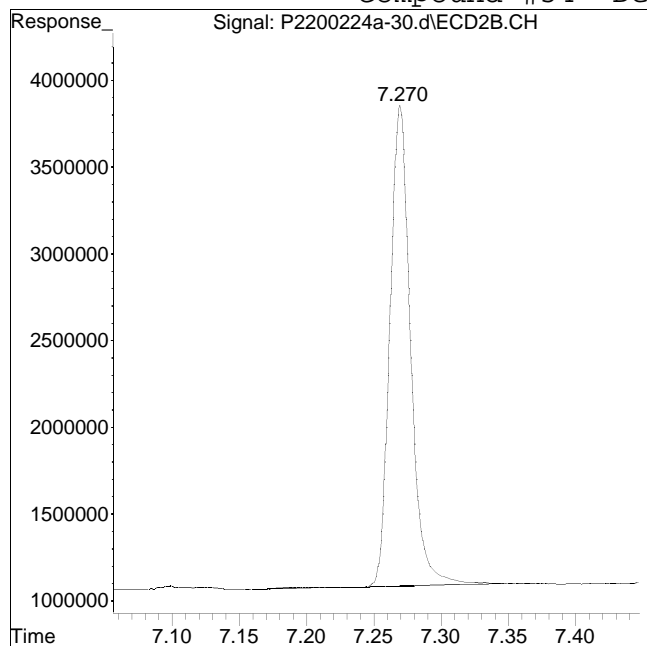
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200224A\
Data File : P2200224a-30.d
Date Inj'd : 2/24/2020 4:13 pm
Sample : wg1343581-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/26/2020 6:06 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 29709253

Manual Peak Response = 29733177 M4

M4 = Poor automated baseline construction.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-01	Date Collected : 02/21/20 09:00
Client ID : E-115-0.5-1.0	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-02	Date Collected : 02/21/20 09:06
Client ID : E-115-2.0-2.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-04	Date Collected : 02/21/20 09:30
Client ID : E-114-0.5-1.0	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 77
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	76.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-05	Date Collected : 02/21/20 09:36
Client ID : E-114-3.0-3.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-06	Date Collected : 02/21/20 10:10
Client ID : E-112-0.5-1.0	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 73
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	73.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-07	Date Collected : 02/21/20 10:29
Client ID : E-112-3.0-3.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-08	Date Collected : 02/21/20 11:16
Client ID : E-111-0.5-1.0	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-09	Date Collected : 02/21/20 11:27
Client ID : E-111-4.0-4.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-10	Date Collected : 02/21/20 11:50
Client ID : E-111-5.0-5.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-11	Date Collected : 02/21/20 12:14
Client ID : E-110-0.5-1.0	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-12	Date Collected : 02/21/20 12:20
Client ID : E-110-3.0-3.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-14	Date Collected : 02/21/20 13:29
Client ID : E-99-0.5-1.0	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-15	Date Collected : 02/21/20 14:13
Client ID : E-99-3.0-3.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-16	Date Collected : 02/21/20 12:55
Client ID : E-97-0.5-1.0	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	79.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-17	Date Collected : 02/21/20 13:18
Client ID : E-97-3.0-3.5	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2007956-19	Date Collected : 02/21/20 00:00
Client ID : X-10-02212020	Date Received : 02/21/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2007956
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1343440-1	Date Collected : 02/21/20 09:00
Client ID : E-115-0.5-1.0DUP	Date Received : 02/21/20
Sample Location :	Date Analyzed : 02/22/20 11:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1343440.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 78
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	78.7	0.100	NA	



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2007956
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Client Sample ID	: E-115-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2007956-01	Analysis Date	: 02/22/20 11:20
Dup Sample ID	: WG1343440-1	DUP Analysis Date	: 02/22/20 11:20

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	78.1	78.7	1	20





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Lab Number: L2008134

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0007.03

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**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0007.03		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2008134		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/24/2020		Date of Last Sample Receipt: 02/24/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-109-0.5-1.0	L2008134-01	AMTRAK-EAST BARRACKS	02/24/2020 09:02
E-109-3.0-3.5	L2008134-02	AMTRAK-EAST BARRACKS	02/24/2020 10:02
E-109-4.0-4.5	L2008134-03	AMTRAK-EAST BARRACKS	02/24/2020 10:12
E-100-0.5-1.0	L2008134-04	AMTRAK-EAST BARRACKS	02/24/2020 10:05
E-107-0.5-1.0	L2008134-05	AMTRAK-EAST BARRACKS	02/24/2020 10:45
E-107-3.0-3.5	L2008134-06	AMTRAK-EAST BARRACKS	02/24/2020 11:27
E-107-4.0-4.5	L2008134-07	AMTRAK-EAST BARRACKS	02/24/2020 11:37
E-102-0.5-1.0	L2008134-08	AMTRAK-EAST BARRACKS	02/24/2020 11:36
E-102-3.0-3.5	L2008134-09	AMTRAK-EAST BARRACKS	02/24/2020 11:47
E-102-4.0-4.5	L2008134-10	AMTRAK-EAST BARRACKS	02/24/2020 12:11
E-103-0.5-1.0	L2008134-11	AMTRAK-EAST BARRACKS	02/24/2020 13:03
E-103-3.0-3.5	L2008134-12	AMTRAK-EAST BARRACKS	02/24/2020 13:14
E-104-0.5-1.0	L2008134-13	AMTRAK-EAST BARRACKS	02/24/2020 13:31
E-104-3.0-3.5	L2008134-14	AMTRAK-EAST BARRACKS	02/24/2020 13:37
E-105-0.5-1.0	L2008134-15	AMTRAK-EAST BARRACKS	02/24/2020 13:58
E-105-3.0-3.5	L2008134-16	AMTRAK-EAST BARRACKS	02/24/2020 14:10
E-105-4.0-4.5	L2008134-17	AMTRAK-EAST BARRACKS	02/24/2020 14:15
EB-12-02242020	L2008134-18	AMTRAK-EAST BARRACKS	02/24/2020 14:20

Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0007.03	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2008134	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/24/2020	Date of Last Sample Receipt: 02/24/2020

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.


Technical Director/Representative (Typed) Kelly Stenstrom	03/09/20
Technical Director/Representative (Signature)  Kelly Stenstrom	

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E-107-0.5-1.0 (L2008134-05) Analyzed: 03/04/20 15:52 Chan. A&B	226
E-107-3.0-3.5 (L2008134-06) Analyzed: 03/04/20 15:59 Chan. A&B	231
E-107-4.0-4.5 (L2008134-07) Analyzed: 03/04/20 16:06 Chan. A&B	237
E-104-3.0-3.5 (L2008134-14) Analyzed: 03/04/20 16:12 Chan. A&B	243
E-105-0.5-1.0 (L2008134-15) Analyzed: 03/04/20 16:19 Chan. A&B	249
E-105-3.0-3.5 (L2008134-16) Analyzed: 03/04/20 16:29 Chan. A&B	260
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Chain of Custody



ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 10 2020, 02:37 pm

Login Number: L2008134

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0007.03

Received: 24FEB20 Due Date: 09MAR20

Sample #	Client ID	Mat PR Collected
L2008134-01	E-109-0.5-1.0	3 S0 24FEB20 09:02
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 03/09/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2008134-02	E-109-3.0-3.5	3 S0 24FEB20 10:02
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/09/20		
NJ-8082,TS		
L2008134-03	E-109-4.0-4.5	3 S0 24FEB20 10:12
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/09/20		
NJ-8082,TS		
L2008134-04	E-100-0.5-1.0	3 S0 24FEB20 10:05
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/09/20		
NJ-8082,TS		
L2008134-05	E-107-0.5-1.0	3 S0 24FEB20 10:45
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/09/20		
NJ-8082,TS		
L2008134-06	E-107-3.0-3.5	3 S0 24FEB20 11:27
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/09/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 10 2020, 02:37 pm

Login Number: L2008134

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0007.03

Received: 24FEB20 Due Date: 09MAR20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2008134-07 E-107-4.0-4.5 3 S0 24FEB20 11:37

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/09/20

NJ-8082,TS

L2008134-08 E-102-0.5-1.0 3 S0 24FEB20 11:36

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/09/20

NJ-8082,TS

L2008134-09 E-102-3.0-3.5 3 S0 24FEB20 11:47

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/09/20

NJ-8082,TS

L2008134-10 E-102-4.0-4.5 3 S0 24FEB20 12:11

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/09/20

HOLD-8082

L2008134-11 E-103-0.5-1.0 3 S0 24FEB20 13:03

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/09/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 10 2020, 02:37 pm

Login Number: L2008134

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0007.03

Received: 24FEB20 Due Date: 09MAR20

Sample #	Client ID	Received	Due Date	Mat PR Collected
L2008134-12	E-103-3.0-3.5			3 S0 24FEB20 13:14
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/09/20				
NJ-8082,TS				
L2008134-13	E-104-0.5-1.0			3 S0 24FEB20 13:31
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/09/20				
NJ-8082,TS				
L2008134-14	E-104-3.0-3.5			3 S0 24FEB20 13:37
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/09/20				
NJ-8082,TS				
L2008134-15	E-105-0.5-1.0			3 S0 24FEB20 13:58
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/09/20				
NJ-8082,TS				
L2008134-16	E-105-3.0-3.5			3 S0 24FEB20 14:10
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/09/20				
NJ-8082,TS				
L2008134-17	E-105-4.0-4.5			3 S0 24FEB20 14:15
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/09/20				

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 10 2020, 02:37 pm

Login Number: L2008134

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0007.03

Received: 24FEB20 Due Date: 09MAR20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2008134-18 EB-12-02242020

1 S0 24FEB20 14:20

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/09/20

NJ-8082-LVI

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008134-01A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Kyle Provencher	W5-S3-D CUSTODY	W5-S3-D CUSTODY	CUSTODY Kyle Provencher
L2008134-01A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	WALK-IN	CUSTODY Frimpong Agyen	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	CUSTODY Frimpong Agyen
L2008134-01A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-01A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	W5-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-01A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	CUSTODY Geoffry Grace
L2008134-01A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	CUSTODY Romany Ibrahim
L2008134-01A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008134-01A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud
L2008134-01A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-02A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	WALK-IN	CUSTODY Kyle Provencher	W5-S3-D CUSTODY	W5-S3-D CUSTODY	CUSTODY Kyle Provencher
L2008134-02A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-02A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	W5-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-02A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	CUSTODY Geoffry Grace
L2008134-02A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	CUSTODY Romany Ibrahim
L2008134-02A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008134-02A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud
L2008134-02A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-03A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	WALK-IN	CUSTODY Kyle Provencher	W5-S3-D CUSTODY	W5-S3-D CUSTODY	CUSTODY Kyle Provencher
L2008134-03A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-03A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	W5-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-03A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	CUSTODY Geoffry Grace
L2008134-03A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	CUSTODY Romany Ibrahim
L2008134-03A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008134-03A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud
L2008134-03A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008134-04A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	WALK-IN CUSTODY	Kyle Provencher	W5-S3-D CUSTODY	W5-S3-D CUSTODY	Kyle Provencher
L2008134-04A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-04A	Glass-A.06	INTACT	03-MAR-20		W5-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-04A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	Geoffry Grace
L2008134-04A	Glass-A.06	INTACT	03-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008134-04A	Glass-A.06	INTACT	03-MAR-20		W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008134-04A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud
L2008134-04A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-05A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	WALK-IN CUSTODY	Kyle Provencher	W5-S3-D CUSTODY	W5-S3-D CUSTODY	Kyle Provencher
L2008134-05A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-05A	Glass-A.06	INTACT	03-MAR-20		W5-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-05A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	Geoffry Grace
L2008134-05A	Glass-A.06	INTACT	03-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008134-05A	Glass-A.06	INTACT	03-MAR-20		W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008134-05A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud
L2008134-05A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-06A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	WALK-IN CUSTODY	Kyle Provencher	W5-S3-D CUSTODY	W5-S3-D CUSTODY	Kyle Provencher
L2008134-06A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-06A	Glass-A.06	INTACT	03-MAR-20		W5-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-06A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	Geoffry Grace
L2008134-06A	Glass-A.06	INTACT	03-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008134-06A	Glass-A.06	INTACT	03-MAR-20		W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008134-06A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud
L2008134-06A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-07A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	WALK-IN CUSTODY	Kyle Provencher	W5-S3-D CUSTODY	W5-S3-D CUSTODY	Kyle Provencher

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008134-07A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-07A	Glass-A.06	INTACT	03-MAR-20		W5-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-07A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	Geoffry Grace
L2008134-07A	Glass-A.06	INTACT	03-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008134-07A	Glass-A.06	INTACT	03-MAR-20		W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008134-07A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud
L2008134-07A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-08A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	WALK-IN CUSTODY	Sam Bardsley	W17-S3-D CUSTODY	W17-S3-D CUSTODY	Sam Bardsley
L2008134-08A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-08A	Glass-A.06	INTACT	26-FEB-20		W19-S3-C CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-08A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W19-S3-C CUSTODY	W19-S3-C CUSTODY	Phillip Renaud
L2008134-08A	Glass-A.06	INTACT	25-FEB-20		CUSTODY	Yaw Attobrah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Yaw Attobrah
L2008134-08A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-09A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	WALK-IN CUSTODY	Sam Bardsley	W17-S3-D CUSTODY	W17-S3-D CUSTODY	Sam Bardsley
L2008134-09A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-09A	Glass-A.06	INTACT	26-FEB-20		W19-S3-C CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-09A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W19-S3-C CUSTODY	W19-S3-C CUSTODY	Phillip Renaud
L2008134-09A	Glass-A.06	INTACT	25-FEB-20		CUSTODY	Yaw Attobrah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Yaw Attobrah
L2008134-09A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-10A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	Geoffry Grace
L2008134-10A	Glass-A.06	INTACT	03-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008134-10A	Glass-A.06	INTACT	03-MAR-20		W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008134-10A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud
L2008134-10A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-11A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	WALK-IN CUSTODY	Sam Bardsley	W17-S3-D CUSTODY	W17-S3-D CUSTODY	Sam Bardsley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008134-11A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-11A	Glass-A.06	INTACT	26-FEB-20		W19-S3-C CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-11A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W19-S3-C CUSTODY	W19-S3-C CUSTODY	Phillip Renaud
L2008134-11A	Glass-A.06	INTACT	25-FEB-20		CUSTODY	Yaw Attobrah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Yaw Attobrah
L2008134-11A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-12A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	WALK-IN CUSTODY	Sam Bardsley	W17-S3-D CUSTODY	W17-S3-D CUSTODY	Sam Bardsley
L2008134-12A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-12A	Glass-A.06	INTACT	26-FEB-20		W19-S3-C CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-12A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W19-S3-C CUSTODY	W19-S3-C CUSTODY	Phillip Renaud
L2008134-12A	Glass-A.06	INTACT	25-FEB-20		CUSTODY	Yaw Attobrah	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Yaw Attobrah
L2008134-12A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-13A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	WALK-IN CUSTODY	Kyle Provencher	W5-S3-D CUSTODY	W5-S3-D CUSTODY	Kyle Provencher
L2008134-13A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-13A	Glass-A.06	INTACT	03-MAR-20		W5-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-13A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	Geoffry Grace
L2008134-13A	Glass-A.06	INTACT	03-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008134-13A	Glass-A.06	INTACT	03-MAR-20		W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008134-13A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud
L2008134-13A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-14A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	WALK-IN CUSTODY	Kyle Provencher	W5-S3-D CUSTODY	W5-S3-D CUSTODY	Kyle Provencher
L2008134-14A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-14A	Glass-A.06	INTACT	03-MAR-20		W5-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-14A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	Geoffry Grace
L2008134-14A	Glass-A.06	INTACT	03-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008134-14A	Glass-A.06	INTACT	03-MAR-20		W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008134-14A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud
L2008134-14A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-15A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	WALK-IN CUSTODY	Kyle Provencher	W5-S3-D CUSTODY	W5-S3-D CUSTODY	Kyle Provencher
L2008134-15A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-15A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	W5-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-15A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	Geoffry Grace
L2008134-15A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008134-15A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008134-15A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud
L2008134-15A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-16A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	WALK-IN CUSTODY	Kyle Provencher	W5-S3-D CUSTODY	W5-S3-D CUSTODY	Kyle Provencher
L2008134-16A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-16A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	W5-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-16A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	Geoffry Grace
L2008134-16A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008134-16A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008134-16A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud
L2008134-16A	Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-17A	Glass-A.06	INTACT	04-MAR-20	CUSTODY	WALK-IN CUSTODY	Kyle Provencher	W5-S3-D CUSTODY	W5-S3-D CUSTODY	Kyle Provencher
L2008134-17A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	ORGPREP	Ilan Grossman	WALK-IN CUSTODY	WALK-IN CUSTODY	Ilan Grossman
L2008134-17A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	W5-S3-B CUSTODY	Ilan Grossman	ORGPREP	ORGPREP	Ilan Grossman
L2008134-17A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W5-S3-B CUSTODY	W5-S3-B CUSTODY	Geoffry Grace
L2008134-17A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008134-17A	Glass-A.06	INTACT	03-MAR-20	CUSTODY	W1-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008134-17A	Glass-A.06	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W1-S3-A CUSTODY	W1-S3-A CUSTODY	Phillip Renaud

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008134-17A Glass-A.06	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-18A Amber-A.120	EMPTY	25-FEB-20		ORGPREP	Michael Plante	CUSTODY	CUSTODY	Michael Plante
L2008134-18A Amber-A.120	INTACT	25-FEB-20		W26-S4-A CUSTODY	William Fleckenstein	ORGPREP	ORGPREP	William Fleckenstein
L2008134-18A Amber-A.120	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W26-S4-A CUSTODY	W26-S4-A CUSTODY	Phillip Renaud
L2008134-18A Amber-A.120	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford
L2008134-18B Amber-A.120	INTACT	25-FEB-20	CUSTODY	CUSTODY	Phillip Renaud	W26-S4-A CUSTODY	W26-S4-A CUSTODY	Phillip Renaud
L2008134-18B Amber-A.120	INTACT	25-FEB-20	LOGIN	LOGIN	Shaniya Langford	CUSTODY	CUSTODY	Shaniya Langford

Methodology Review

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2008134
Report Date: 03/09/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2008134-01A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-02A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-03A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-04A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-05A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-06A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-07A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-08A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-09A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-10A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		HOLD-8082(14)
L2008134-11A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-12A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-13A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-14A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-15A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-16A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-17A	Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		NJ-8082(14),TS(7)
L2008134-18A	Amber 120ml unpreserved	A	7	7	4.6	Y	Absent		NJ-8082-LVI(7)
L2008134-18B	Amber 120ml unpreserved	A	7	7	4.6	Y	Absent		NJ-8082-LVI(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2008134
Report Date: 03/09/20

**NJ DEP Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^\circ \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	YES
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2008134
Report Date: 03/09/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2008134
Report Date: 03/09/20

Case Narrative (continued)

Report Submission

March 09, 2020: This final report includes the results of the PCB analysis performed on L2008134-01 through -07 and -13 through -17.

March 02, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

L2008134-02: One or more of the target analytes did not achieve the requested regulatory limits.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Report Date: 03/09/20

Title: Technical Director/Representative

Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2008134
Report Date: 03/09/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2008134
Report Date: 03/09/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Organics

**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-01	Date Collected : 02/24/20 09:02
Client ID : E-109-0.5-1.0	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/04/20 15:24
Sample Matrix : SOIL	Date Extracted : 03/04/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200304a-27	Analyst : HT
Sample Amount : 15.77 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 82
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0388	0.00345	U
11104-28-2	Aroclor 1221	ND	0.0388	0.00389	U
11141-16-5	Aroclor 1232	ND	0.0388	0.00824	U
53469-21-9	Aroclor 1242	ND	0.0388	0.00524	U
12672-29-6	Aroclor 1248	ND	0.0388	0.00583	U
11097-69-1	Aroclor 1254	ND	0.0388	0.00425	U
11096-82-5	Aroclor 1260	0.133	0.0388	0.00718	
37324-23-5	Aroclor 1262	ND	0.0388	0.00493	U
11100-14-4	Aroclor 1268	ND	0.0388	0.00402	U
1336-36-3	PCBs, Total	0.133	0.0388	0.00345	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008134
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Lab ID	: L2008134-02D	Date Collected	: 02/24/20 10:02
Client ID	: E-109-3.0-3.5	Date Received	: 02/24/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 03/04/20 16:56
Sample Matrix	: SOIL	Date Extracted	: 03/03/20
Analytical Method	: 1,8082A	Dilution Factor	: 5
Lab File ID	: 19200304a-40	Analyst	: HT
Sample Amount	: 15.4 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 79
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.205	0.0182	U
11104-28-2	Aroclor 1221	ND	0.205	0.0206	U
11141-16-5	Aroclor 1232	ND	0.205	0.0435	U
53469-21-9	Aroclor 1242	ND	0.205	0.0277	U
12672-29-6	Aroclor 1248	ND	0.205	0.0308	U
11097-69-1	Aroclor 1254	ND	0.205	0.0224	U
11096-82-5	Aroclor 1260	1.07	0.205	0.0379	
37324-23-5	Aroclor 1262	ND	0.205	0.0261	U
11100-14-4	Aroclor 1268	ND	0.205	0.0213	U
1336-36-3	PCBs, Total	1.07	0.205	0.0182	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-03	Date Collected : 02/24/20 10:12
Client ID : E-109-4.0-4.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/04/20 15:38
Sample Matrix : SOIL	Date Extracted : 03/03/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200304a-29	Analyst : HT
Sample Amount : 15.33 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0375	0.00333	U
11104-28-2	Aroclor 1221	ND	0.0375	0.00376	U
11141-16-5	Aroclor 1232	ND	0.0375	0.00796	U
53469-21-9	Aroclor 1242	ND	0.0375	0.00506	U
12672-29-6	Aroclor 1248	ND	0.0375	0.00563	U
11097-69-1	Aroclor 1254	ND	0.0375	0.00411	U
11096-82-5	Aroclor 1260	0.226	0.0375	0.00694	
37324-23-5	Aroclor 1262	ND	0.0375	0.00477	U
11100-14-4	Aroclor 1268	ND	0.0375	0.00389	U
1336-36-3	PCBs, Total	0.226	0.0375	0.00333	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008134
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Lab ID	: L2008134-04	Date Collected	: 02/24/20 10:05
Client ID	: E-100-0.5-1.0	Date Received	: 02/24/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 03/04/20 15:45
Sample Matrix	: SOIL	Date Extracted	: 03/03/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19200304a-30	Analyst	: HT
Sample Amount	: 15.06 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 87
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0382	0.00340	U
11104-28-2	Aroclor 1221	ND	0.0382	0.00383	U
11141-16-5	Aroclor 1232	ND	0.0382	0.00811	U
53469-21-9	Aroclor 1242	ND	0.0382	0.00516	U
12672-29-6	Aroclor 1248	ND	0.0382	0.00574	U
11097-69-1	Aroclor 1254	ND	0.0382	0.00418	U
11096-82-5	Aroclor 1260	0.304	0.0382	0.00707	
37324-23-5	Aroclor 1262	ND	0.0382	0.00486	U
11100-14-4	Aroclor 1268	ND	0.0382	0.00396	U
1336-36-3	PCBs, Total	0.304	0.0382	0.00340	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-05	Date Collected : 02/24/20 10:45
Client ID : E-107-0.5-1.0	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/04/20 15:52
Sample Matrix : SOIL	Date Extracted : 03/03/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200304a-31	Analyst : HT
Sample Amount : 15.25 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0369	0.00328	U
11104-28-2	Aroclor 1221	ND	0.0369	0.00370	U
11141-16-5	Aroclor 1232	ND	0.0369	0.00782	U
53469-21-9	Aroclor 1242	ND	0.0369	0.00497	U
12672-29-6	Aroclor 1248	ND	0.0369	0.00553	U
11097-69-1	Aroclor 1254	ND	0.0369	0.00403	U
11096-82-5	Aroclor 1260	0.193	0.0369	0.00682	
37324-23-5	Aroclor 1262	ND	0.0369	0.00468	U
11100-14-4	Aroclor 1268	ND	0.0369	0.00382	U
1336-36-3	PCBs, Total	0.193	0.0369	0.00328	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-06	Date Collected : 02/24/20 11:27
Client ID : E-107-3.0-3.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/04/20 15:59
Sample Matrix : SOIL	Date Extracted : 03/03/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200304a-32	Analyst : HT
Sample Amount : 15.39 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0376	0.00334	U
11104-28-2	Aroclor 1221	ND	0.0376	0.00377	U
11141-16-5	Aroclor 1232	ND	0.0376	0.00797	U
53469-21-9	Aroclor 1242	ND	0.0376	0.00507	U
12672-29-6	Aroclor 1248	ND	0.0376	0.00564	U
11097-69-1	Aroclor 1254	0.0755	0.0376	0.00411	
11096-82-5	Aroclor 1260	0.177	0.0376	0.00695	
37324-23-5	Aroclor 1262	ND	0.0376	0.00478	U
11100-14-4	Aroclor 1268	ND	0.0376	0.00390	U
1336-36-3	PCBs, Total	0.252	0.0376	0.00334	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-07	Date Collected : 02/24/20 11:37
Client ID : E-107-4.0-4.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/04/20 16:06
Sample Matrix : SOIL	Date Extracted : 03/03/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200304a-33	Analyst : HT
Sample Amount : 15.67 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 84
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0381	0.00338	U
11104-28-2	Aroclor 1221	ND	0.0381	0.00382	U
11141-16-5	Aroclor 1232	ND	0.0381	0.00807	U
53469-21-9	Aroclor 1242	ND	0.0381	0.00513	U
12672-29-6	Aroclor 1248	ND	0.0381	0.00571	U
11096-82-5	Aroclor 1260	0.130	0.0381	0.00704	
37324-23-5	Aroclor 1262	ND	0.0381	0.00484	U
11100-14-4	Aroclor 1268	ND	0.0381	0.00394	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008134
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Lab ID	: L2008134-07	Date Collected	: 02/24/20 11:37
Client ID	: E-107-4.0-4.5	Date Received	: 02/24/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 03/04/20 16:06
Sample Matrix	: SOIL	Date Extracted	: 03/03/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19200304a-33	Analyst	: HT
Sample Amount	: 15.67 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-PesticideII
Extract Volume	: 1000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.0830	0.0381	0.00416	
1336-36-3	PCBs, Total	0.213	0.0381	0.00338	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008134
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Lab ID	: L2008134-08	Date Collected	: 02/24/20 11:36
Client ID	: E-102-0.5-1.0	Date Received	: 02/24/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/27/20 14:00
Sample Matrix	: SOIL	Date Extracted	: 02/26/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19200227b-17	Analyst	: CW
Sample Amount	: 15.78 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 81
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0393	0.00349	U
11104-28-2	Aroclor 1221	ND	0.0393	0.00394	U
11141-16-5	Aroclor 1232	ND	0.0393	0.00833	U
53469-21-9	Aroclor 1242	ND	0.0393	0.00530	U
12672-29-6	Aroclor 1248	ND	0.0393	0.00590	U
11097-69-1	Aroclor 1254	ND	0.0393	0.00430	U
11096-82-5	Aroclor 1260	0.359	0.0393	0.00726	
37324-23-5	Aroclor 1262	ND	0.0393	0.00499	U
11100-14-4	Aroclor 1268	ND	0.0393	0.00407	U
1336-36-3	PCBs, Total	0.359	0.0393	0.00349	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008134-09 Client ID : E-102-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200227b-18 Sample Amount : 15.75 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008134 Project Number : 277710568.0007.03 Date Collected : 02/24/20 11:47 Date Received : 02/24/20 Date Analyzed : 02/27/20 14:06 Date Extracted : 02/26/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 87 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0364	0.00324	U
11104-28-2	Aroclor 1221	ND	0.0364	0.00365	U
11141-16-5	Aroclor 1232	ND	0.0364	0.00773	U
53469-21-9	Aroclor 1242	ND	0.0364	0.00491	U
12672-29-6	Aroclor 1248	ND	0.0364	0.00547	U
11097-69-1	Aroclor 1254	ND	0.0364	0.00399	U
37324-23-5	Aroclor 1262	ND	0.0364	0.00463	U
11100-14-4	Aroclor 1268	ND	0.0364	0.00378	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008134-09 Client ID : E-102-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200227b-18 Sample Amount : 15.75 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008134 Project Number : 277710568.0007.03 Date Collected : 02/24/20 11:47 Date Received : 02/24/20 Date Analyzed : 02/27/20 14:06 Date Extracted : 02/26/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 87 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0575	0.0364	0.00674	
1336-36-3	PCBs, Total	0.0575	0.0364	0.00324	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-11	Date Collected : 02/24/20 13:03
Client ID : E-103-0.5-1.0	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 14:13
Sample Matrix : SOIL	Date Extracted : 02/26/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200227b-19	Analyst : CW
Sample Amount : 15.12 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0380	0.00337	U
11104-28-2	Aroclor 1221	ND	0.0380	0.00380	U
11141-16-5	Aroclor 1232	ND	0.0380	0.00805	U
53469-21-9	Aroclor 1242	ND	0.0380	0.00512	U
12672-29-6	Aroclor 1248	ND	0.0380	0.00569	U
11097-69-1	Aroclor 1254	ND	0.0380	0.00415	U
11096-82-5	Aroclor 1260	0.427	0.0380	0.00702	
37324-23-5	Aroclor 1262	ND	0.0380	0.00482	U
11100-14-4	Aroclor 1268	ND	0.0380	0.00393	U
1336-36-3	PCBs, Total	0.427	0.0380	0.00337	



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-12	Date Collected : 02/24/20 13:14
Client ID : E-103-3.0-3.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 14:20
Sample Matrix : SOIL	Date Extracted : 02/26/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200227b-20	Analyst : CW
Sample Amount : 15.36 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0370	0.00328	U
11104-28-2	Aroclor 1221	ND	0.0370	0.00371	U
11141-16-5	Aroclor 1232	ND	0.0370	0.00784	U
53469-21-9	Aroclor 1242	ND	0.0370	0.00499	U
12672-29-6	Aroclor 1248	ND	0.0370	0.00555	U
11097-69-1	Aroclor 1254	ND	0.0370	0.00405	U
11096-82-5	Aroclor 1260	0.177	0.0370	0.00684	
37324-23-5	Aroclor 1262	ND	0.0370	0.00470	U
11100-14-4	Aroclor 1268	ND	0.0370	0.00383	U
1336-36-3	PCBs, Total	0.177	0.0370	0.00328	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008134-13 Client ID : E-104-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200304a-23 Sample Amount : 15.54 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008134 Project Number : 277710568.0007.03 Date Collected : 02/24/20 13:31 Date Received : 02/24/20 Date Analyzed : 03/04/20 14:57 Date Extracted : 03/03/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 88 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0367	0.00326	U
11104-28-2	Aroclor 1221	ND	0.0367	0.00368	U
11141-16-5	Aroclor 1232	ND	0.0367	0.00778	U
53469-21-9	Aroclor 1242	ND	0.0367	0.00494	U
12672-29-6	Aroclor 1248	ND	0.0367	0.00550	U
11097-69-1	Aroclor 1254	ND	0.0367	0.00401	U
11096-82-5	Aroclor 1260	0.281	0.0367	0.00678	
37324-23-5	Aroclor 1262	ND	0.0367	0.00466	U
11100-14-4	Aroclor 1268	ND	0.0367	0.00380	U
1336-36-3	PCBs, Total	0.281	0.0367	0.00326	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008134
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Lab ID	: L2008134-14	Date Collected	: 02/24/20 13:37
Client ID	: E-104-3.0-3.5	Date Received	: 02/24/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 03/04/20 16:12
Sample Matrix	: SOIL	Date Extracted	: 03/03/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19200304a-34	Analyst	: HT
Sample Amount	: 15.43 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0370	0.00329	U
11104-28-2	Aroclor 1221	ND	0.0370	0.00371	U
11141-16-5	Aroclor 1232	ND	0.0370	0.00785	U
53469-21-9	Aroclor 1242	ND	0.0370	0.00499	U
12672-29-6	Aroclor 1248	ND	0.0370	0.00556	U
11097-69-1	Aroclor 1254	ND	0.0370	0.00405	U
11096-82-5	Aroclor 1260	0.00804	0.0370	0.00684	J
37324-23-5	Aroclor 1262	ND	0.0370	0.00470	U
11100-14-4	Aroclor 1268	ND	0.0370	0.00384	U
1336-36-3	PCBs, Total	0.00804	0.0370	0.00329	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-15	Date Collected : 02/24/20 13:58
Client ID : E-105-0.5-1.0	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/04/20 16:19
Sample Matrix : SOIL	Date Extracted : 03/03/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200304a-35	Analyst : HT
Sample Amount : 15.06 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 90
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0370	0.00329	U
11104-28-2	Aroclor 1221	ND	0.0370	0.00371	U
11141-16-5	Aroclor 1232	ND	0.0370	0.00785	U
53469-21-9	Aroclor 1242	ND	0.0370	0.00499	U
12672-29-6	Aroclor 1248	ND	0.0370	0.00555	U
11097-69-1	Aroclor 1254	ND	0.0370	0.00405	U
11096-82-5	Aroclor 1260	0.199	0.0370	0.00684	
37324-23-5	Aroclor 1262	ND	0.0370	0.00470	U
11100-14-4	Aroclor 1268	ND	0.0370	0.00383	U
1336-36-3	PCBs, Total	0.199	0.0370	0.00329	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008134-16 Client ID : E-105-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19200304a-36 Sample Amount : 15.79 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008134 Project Number : 277710568.0007.03 Date Collected : 02/24/20 14:10 Date Received : 02/24/20 Date Analyzed : 03/04/20 16:29 Date Extracted : 03/03/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 80 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0394	0.00350	U
11104-28-2	Aroclor 1221	ND	0.0394	0.00395	U
11141-16-5	Aroclor 1232	ND	0.0394	0.00835	U
53469-21-9	Aroclor 1242	ND	0.0394	0.00531	U
12672-29-6	Aroclor 1248	ND	0.0394	0.00591	U
11097-69-1	Aroclor 1254	ND	0.0394	0.00431	U
11096-82-5	Aroclor 1260	0.0683	0.0394	0.00728	
37324-23-5	Aroclor 1262	ND	0.0394	0.00500	U
11100-14-4	Aroclor 1268	ND	0.0394	0.00408	U
1336-36-3	PCBs, Total	0.0683	0.0394	0.00350	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-17	Date Collected : 02/24/20 14:15
Client ID : E-105-4.0-4.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/04/20 16:36
Sample Matrix : SOIL	Date Extracted : 03/03/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200304a-37	Analyst : HT
Sample Amount : 15.22 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 82
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0402	0.00357	U
11104-28-2	Aroclor 1221	ND	0.0402	0.00403	U
11141-16-5	Aroclor 1232	ND	0.0402	0.00852	U
53469-21-9	Aroclor 1242	ND	0.0402	0.00542	U
12672-29-6	Aroclor 1248	ND	0.0402	0.00603	U
11097-69-1	Aroclor 1254	ND	0.0402	0.00440	U
11096-82-5	Aroclor 1260	0.115	0.0402	0.00743	
37324-23-5	Aroclor 1262	ND	0.0402	0.00511	U
11100-14-4	Aroclor 1268	ND	0.0402	0.00416	U
1336-36-3	PCBs, Total	0.115	0.0402	0.00357	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-18	Date Collected : 02/24/20 14:20
Client ID : EB-12-02242020	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 17:08
Sample Matrix : WATER	Date Extracted : 02/25/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200226b-30	Analyst : CW
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1343985-1	Date Collected : NA
Client ID : WG1343985-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/25/20 16:56
Sample Matrix : WATER	Date Extracted : 02/25/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200225a-11	Analyst : AD
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1344386-1	Date Collected : NA
Client ID : WG1344386-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/26/20 09:42
Sample Matrix : SOIL	Date Extracted : 02/26/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 23200226a-03	Analyst : JM
Sample Amount : 15.56 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0321	0.00285	U
11104-28-2	Aroclor 1221	ND	0.0321	0.00322	U
11141-16-5	Aroclor 1232	ND	0.0321	0.00681	U
53469-21-9	Aroclor 1242	ND	0.0321	0.00433	U
12672-29-6	Aroclor 1248	ND	0.0321	0.00482	U
11097-69-1	Aroclor 1254	ND	0.0321	0.00352	U
11096-82-5	Aroclor 1260	ND	0.0321	0.00594	U
37324-23-5	Aroclor 1262	ND	0.0321	0.00408	U
11100-14-4	Aroclor 1268	ND	0.0321	0.00333	U
1336-36-3	PCBs, Total	ND	0.0321	0.00285	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1346747-1	Date Collected : NA
Client ID : WG1346747-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 03/04/20 14:36
Sample Matrix : SOIL	Date Extracted : 03/03/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200304a-20	Analyst : HT
Sample Amount : 15.44 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0324	0.00288	U
11104-28-2	Aroclor 1221	ND	0.0324	0.00324	U
11141-16-5	Aroclor 1232	ND	0.0324	0.00686	U
53469-21-9	Aroclor 1242	ND	0.0324	0.00436	U
12672-29-6	Aroclor 1248	ND	0.0324	0.00486	U
11097-69-1	Aroclor 1254	ND	0.0324	0.00354	U
11096-82-5	Aroclor 1260	ND	0.0324	0.00598	U
37324-23-5	Aroclor 1262	ND	0.0324	0.00411	U
11100-14-4	Aroclor 1268	ND	0.0324	0.00335	U
1336-36-3	PCBs, Total	ND	0.0324	0.00288	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1346747-5	Date Collected : 02/24/20 13:31
Client ID : E-104-0.5-1.0DUP	Date Received : 02/24/20
Sample Location :	Date Analyzed : 03/04/20 15:10
Sample Matrix : SOIL	Date Extracted : 03/03/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19200304a-25	Analyst : HT
Sample Amount : 15.12 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0377	0.003	U
11104-28-2	Aroclor 1221	ND	0.0377	0.004	U
11141-16-5	Aroclor 1232	ND	0.0377	0.008	U
53469-21-9	Aroclor 1242	ND	0.0377	0.005	U
12672-29-6	Aroclor 1248	ND	0.0377	0.006	U
11097-69-1	Aroclor 1254	ND	0.0377	0.004	U
11096-82-5	Aroclor 1260	0.272	0.0377	0.007	
37324-23-5	Aroclor 1262	ND	0.0377	0.005	U
11100-14-4	Aroclor 1268	ND	0.0377	0.004	U
1336-36-3	PCBs, Total	0.272	0.0377	0.003	



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : WG1343985-1	Lab File ID : P2200225a-11
Matrix : WATER	Extraction Date : 02/25/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/25/20 16:56	Analysis Date (2) : 02/25/20 16:56
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1343985-2LCS	WG1343985-2	02/25/20 17:09	02/25/20 17:09
WG1343985-3LCSD	WG1343985-3	02/25/20 17:23	02/25/20 17:23
EB-12-02242020	L2008134-18	02/26/20 17:08	02/26/20 17:08



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : WG1344386-1	Lab File ID : 23200226a-03
Matrix : SOIL	Extraction Date : 02/26/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/26/20 09:42	Analysis Date (2) : 02/26/20 09:42
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1344386-2LCS	WG1344386-2	02/26/20 09:49	02/26/20 09:49
WG1344386-3LCSD	WG1344386-3	02/26/20 09:56	02/26/20 09:56
E-102-0.5-1.0	L2008134-08	02/27/20 14:00	02/27/20 14:00
E-102-3.0-3.5	L2008134-09	02/27/20 14:06	02/27/20 14:06
E-103-0.5-1.0	L2008134-11	02/27/20 14:13	02/27/20 14:13
E-103-3.0-3.5	L2008134-12	02/27/20 14:20	02/27/20 14:20



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : WG1346747-1	Lab File ID : 19200304a-20
Matrix : SOIL	Extraction Date : 03/03/20
Sulfur Cleanup : Y	
Analysis Date (1) : 03/04/20 14:36	Analysis Date (2) : 03/04/20 14:36
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1346747-2LCS	WG1346747-2	03/04/20 14:43	03/04/20 14:43
WG1346747-3LCSD	WG1346747-3	03/04/20 14:50	03/04/20 14:50
E-104-0.5-1.0	L2008134-13	03/04/20 14:57	03/04/20 14:57
E-104-0.5-1.0MS	WG1346747-4	03/04/20 15:04	03/04/20 15:04
E-104-0.5-1.0DUP	WG1346747-5	03/04/20 15:10	03/04/20 15:10
E-109-0.5-1.0	L2008134-01	03/04/20 15:24	03/04/20 15:24
E-109-4.0-4.5	L2008134-03	03/04/20 15:38	03/04/20 15:38
E-100-0.5-1.0	L2008134-04	03/04/20 15:45	03/04/20 15:45
E-107-0.5-1.0	L2008134-05	03/04/20 15:52	03/04/20 15:52
E-107-3.0-3.5	L2008134-06	03/04/20 15:59	03/04/20 15:59
E-107-4.0-4.5	L2008134-07	03/04/20 16:06	03/04/20 16:06
E-104-3.0-3.5	L2008134-14	03/04/20 16:12	03/04/20 16:12
E-105-0.5-1.0	L2008134-15	03/04/20 16:19	03/04/20 16:19
E-105-3.0-3.5	L2008134-16	03/04/20 16:29	03/04/20 16:29
E-105-4.0-4.5	L2008134-17	03/04/20 16:36	03/04/20 16:36
E-109-3.0-3.5	L2008134-02D	03/04/20 16:56	03/04/20 16:56



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008134
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Instrument ID	: PEST2	Ical Ref	: ICAL16010
Calibration dates	: 08/06/19 03:29 08/06/19 07:39		

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVIIi-17.d 2 =P2190806LVIIi-03.d 3 =P2190806LVIIi-04.d 4 =P2190806LVIIi-08.d
 5 =P2190806LVIIi-06.d 6 =P2190806LVIIi-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008134
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST19 **Ical Ref** : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.580	1.358	1.329	1.239	1.126	1.195	1.305	12.25
3) s Decachlorobiphenyl	1.366	1.092	1.055	0.972	0.874	0.920	1.047	16.84
4) 11 1016-1	0.030	0.027	0.026	0.023	0.020	0.021	0.025	15.05
5) 11 1016-2	0.063	0.058	0.056	0.049	0.043	0.045	0.052	14.74
6) 11 1016-3	0.132	0.115	0.110	0.100	0.090	0.094	0.107	14.46
7) 11 1016-4	0.058	0.050	0.047	0.042	0.037	0.038	0.045	17.00
8) 11 1016-5	0.057	0.052	0.050	0.045	0.039	0.040	0.047	14.50
9) 12 1260-1	0.082	0.071	0.068	0.061	0.055	0.057	0.066	15.59
10) 12 1260-2	0.123	0.106	0.102	0.092	0.084	0.087	0.099	14.62
11) 12 1260-3	0.078	0.071	0.066	0.060	0.054	0.058	0.064	14.14
12) 12 1260-4	0.160	0.144	0.139	0.128	0.118	0.124	0.136	11.47
13) 12 1260-5	0.093	0.111	0.107	0.097	0.089	0.091	0.098	9.07
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.020	0.017	0.015	0.015	0.013	0.012	0.015	17.65
16) 13 1221-3	0.011	0.011	0.010	0.010	0.008	0.008	0.010	13.69
17) 13 1221-4	0.042	0.038	0.034	0.033	0.029	0.027	0.034	16.48
18) 14 1254-1	0.062	0.055	0.049	0.047	0.042	0.040	0.049	16.73
19) 14 1254-2	0.106	0.096	0.086	0.083	0.073	0.071	0.086	15.76
20) 14 1254-3	0.110	0.090	0.082	0.080	0.072	0.070	0.084	17.30
21) 14 1254-4	0.083	0.072	0.065	0.063	0.057	0.055	0.066	15.49
22) 14 1254-5	0.118	0.101	0.092	0.089	0.079	0.077	0.093	16.35
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.025	0.022	0.021	0.018	0.017	0.015	0.020	18.24
25) 16 1242-2	0.055	0.048	0.044	0.039	0.036	0.033	0.042	18.86
26) 16 1242-3	0.111	0.093	0.087	0.077	0.075	0.070	0.086	17.57
27) 16 1242-4	0.050	0.043	0.041	0.037	0.035	0.031	0.039	16.54
28) 16 1242-5	0.037	0.031	0.030	0.026	0.025	0.023	0.029	17.46
29) 19 1268-1	0.229	0.190	0.181	0.166	0.163	0.151	0.180	15.35
30) 19 1268-2	0.231	0.194	0.186	0.168	0.166	0.153	0.183	15.09
31) 19 1268-3	0.160	0.133	0.126	0.115	0.113	0.105	0.125	15.67
32) 19 1268-4	0.089	0.068	0.065	0.059	0.057	0.053	0.065	19.71
33) 19 1268-5	0.421	0.356	0.348	0.321	0.319	0.290	0.343	13.13
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.043	0.039	0.036	0.033	0.030	0.029	0.035	16.12
36) 17 1248-2	0.049	0.048	0.044	0.039	0.036	0.034	0.042	14.96



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.078	0.073	0.065	0.060	0.058	0.070	16.34
38) 17 1248-4	0.071	0.067	0.061	0.057	0.052	0.050	0.060	13.60
39) 17 1248-5	0.062	0.061	0.055	0.049	0.046	0.044	0.053	14.64
40) i 3262_1br2nb	----- ISTD -----							
41) 15 1232-1	0.030	0.029	0.027	0.024	0.022	0.021	0.025	15.00
42) 15 1232-2	0.028	0.028	0.026	0.023	0.021	0.020	0.024	13.93
43) 15 1232-3	0.059	0.055	0.052	0.046	0.044	0.043	0.050	12.96
44) 15 1232-4	0.024	0.024	0.022	0.020	0.019	0.018	0.021	11.43
45) 15 1232-5	0.016	0.018	0.016	0.014	0.014	0.013	0.015	12.09
46) 18 1262-1	0.081	0.072	0.069	0.061	0.059	0.056	0.066	14.22
47) 18 1262-2	0.107	0.090	0.084	0.074	0.072	0.068	0.083	17.55
48) 18 1262-3	0.087	0.080	0.077	0.069	0.068	0.064	0.074	11.54
49) 18 1262-4	0.169	0.150	0.144	0.133	0.131	0.125	0.142	11.28
50) 18 1262-5	0.060	0.057	0.054	0.049	0.047	0.044	0.052	11.69



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.481	1.319	1.295	1.217	1.125	1.224	1.277	9.48
3) s Decachlorobip	1.275	1.122	1.094	1.019	0.936	1.017	1.077	10.84
4) 11 1016-1	0.028	0.025	0.025	0.022	0.020	0.021	0.023	13.02
5) 11 1016-2	0.056	0.057	0.056	0.048	0.043	0.045	0.051	11.93
6) 11 1016-3	0.116	0.106	0.108	0.098	0.089	0.096	0.102	9.45
7) 11 1016-4	0.046	0.044	0.045	0.039	0.034	0.036	0.041	11.95
8) 11 1016-5	0.036	0.036	0.035	0.032	0.028	0.030	0.033	10.17
9) 12 1260-1	0.075	0.071	0.070	0.065	0.059	0.063	0.067	9.23
10) 12 1260-2	0.090	0.082	0.082	0.076	0.069	0.074	0.079	9.36
11) 12 1260-3	0.075	0.074	0.072	0.066	0.061	0.065	0.069	8.28
12) 12 1260-4	0.167	0.150	0.147	0.138	0.128	0.139	0.145	9.27
13) 12 1260-5	0.113	0.106	0.104	0.097	0.088	0.095	0.101	8.80
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.016	0.014	0.014	0.012	0.011	0.014	11.49
16) 13 1221-3	0.009	0.010	0.009	0.009	0.008	0.007	0.009	11.04
17) 13 1221-4	0.034	0.035	0.032	0.033	0.029	0.027	0.031	10.09
18) 14 1254-1	0.064	0.056	0.053	0.052	0.047	0.045	0.053	12.85
19) 14 1254-2	0.071	0.066	0.062	0.060	0.054	0.051	0.061	12.28
20) 14 1254-3	0.103	0.088	0.081	0.082	0.074	0.072	0.083	13.26
21) 14 1254-4	0.074	0.065	0.060	0.060	0.054	0.052	0.061	12.82
22) 14 1254-5	0.116	0.099	0.091	0.092	0.082	0.079	0.093	14.34
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.021	0.019	0.017	0.016	0.015	0.018	12.72
25) 16 1242-2	0.048	0.044	0.042	0.039	0.035	0.033	0.040	13.60
26) 16 1242-3	0.098	0.087	0.083	0.076	0.072	0.069	0.081	13.09
27) 16 1242-4	0.031	0.029	0.028	0.026	0.024	0.023	0.027	11.68
28) 16 1242-5	0.032	0.031	0.029	0.026	0.024	0.023	0.028	13.65
29) 19 1268-1	0.223	0.199	0.188	0.180	0.173	0.166	0.188	10.92
30) 19 1268-2	0.221	0.216	0.191	0.181	0.175	0.167	0.192	11.50
31) 19 1268-3	0.155	0.135	0.129	0.123	0.119	0.114	0.129	11.34
32) 19 1268-4	0.076	0.071	0.067	0.063	0.059	0.057	0.065	10.84
33) 19 1268-5	0.427	0.373	0.365	0.355	0.344	0.324	0.365	9.61
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.034	0.032	0.029	0.029	0.033	12.92
36) 17 1248-2	0.047	0.044	0.041	0.038	0.036	0.034	0.040	12.71



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.056	0.052	0.049	0.045	0.044	0.051	10.97
38) 17 1248-4	0.061	0.063	0.058	0.054	0.051	0.050	0.056	9.27
39) 17 1248-5	0.069	0.070	0.064	0.060	0.057	0.056	0.063	9.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.027	0.025	0.023	0.021	0.021	0.024	13.92
42) 15 1232-2	0.030	0.026	0.026	0.023	0.022	0.021	0.024	13.66
43) 15 1232-3	0.052	0.051	0.048	0.044	0.042	0.041	0.046	10.00
44) 15 1232-4	0.015	0.015	0.015	0.014	0.014	0.013	0.014	7.89
45) 15 1232-5	0.016	0.015	0.015	0.014	0.014	0.013	0.014	8.16
46) 18 1262-1	0.060	0.060	0.058	0.053	0.053	0.050	0.055	7.71
47) 18 1262-2	0.090	0.087	0.082	0.075	0.074	0.071	0.080	9.98
48) 18 1262-3	0.082	0.080	0.080	0.072	0.072	0.068	0.076	7.32
49) 18 1262-4	0.160	0.150	0.149	0.138	0.138	0.132	0.144	6.99
50) 18 1262-5	0.058	0.059	0.054	0.050	0.048	0.047	0.053	10.11



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008134
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Instrument ID	: PEST23	Ical Ref	: ICAL16474
Calibration dates	: 01/29/20 18:49 01/30/20 22:53		

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.840	1.624	1.528	1.377	1.453	1.347	1.528	11.98
3) s Decachlorobiphenyl	1.781	1.325	1.193	1.042	1.073	0.983	*L	0.9974
4) 11 1016-1	0.036	0.031	0.030	0.026	0.026	0.023	0.029	16.24
5) 11 1016-2	0.082	0.069	0.065	0.055	0.055	0.049	0.062	19.00
6) 11 1016-3	0.149	0.129	0.121	0.107	0.110	0.100	0.119	15.01
7) 11 1016-4	0.061	0.057	0.054	0.046	0.048	0.043	0.052	13.27
8) 11 1016-5	0.068	0.058	0.056	0.049	0.050	0.044	0.054	15.63
9) 12 1260-1	0.102	0.082	0.076	0.066	0.067	0.061	0.076	19.85
10) 12 1260-2	0.154	0.126	0.116	0.101	0.103	0.093	0.115	19.31
11) 12 1260-3	0.090	0.078	0.073	0.064	0.065	0.059	0.072	15.91
12) 12 1260-4	0.200	0.162	0.150	0.135	0.141	0.131	0.153	16.62
13) 12 1260-5	0.104	0.088	0.082	0.072	0.074	0.068	0.082	16.17
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.023	0.018	0.017	0.015		0.019	15.21
16) 13 1221-2	0.010	0.014	0.011	0.010	0.010		0.011	17.65
17) 13 1221-3	0.047	0.053	0.043	0.037	0.034		0.043	18.02
18) 14 1254-1	0.074	0.078	0.060	0.051	0.048	0.041	*Q	0.9949
19) 14 1254-2	0.137	0.134	0.103	0.088	0.083	0.071	*Q	0.9953
20) 14 1254-3	0.121	0.125	0.097	0.085	0.081	0.070	*Q	0.9960
21) 14 1254-4	0.096	0.101	0.079	0.069	0.065	0.056	*Q	0.9960
22) 14 1254-5	0.140	0.139	0.109	0.095	0.090	0.078	*Q	0.9963
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.030	0.025	0.025	0.023	0.020	0.018	0.024	17.63
25) 16 1242-2	0.133	0.107	0.105	0.094	0.084	0.079	0.100	19.34
26) 16 1242-3	0.042	0.046	0.046	0.043	0.037	0.035	0.042	11.40
27) 16 1242-4	0.063	0.050	0.050	0.046	0.040	0.037	0.048	19.65
28) 16 1242-5	0.042	0.035	0.035	0.032	0.028	0.026	0.033	17.07
29) 19 1268-1	0.321	0.224	0.215	0.197	0.180	0.172	*L	0.9970
30) 19 1268-2	0.313	0.225	0.216	0.198	0.180	0.172	*L	0.9969
31) 19 1268-3	0.215	0.156	0.149	0.136	0.123	0.117	*L	0.9964
32) 19 1268-4	0.108	0.082	0.079	0.071	0.064	0.060	*L	0.9950
33) 19 1268-5	0.618	0.415	0.402	0.377	0.347	0.333	*L	0.9980
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.041	0.039	0.036	0.029	0.033	0.027	0.034	16.16
36) 17 1248-2	0.057	0.056	0.049	0.041	0.044	0.038	0.048	16.77



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.082	0.072	0.062	0.066	0.058	0.071	16.56
38) 17 1248-4	0.068	0.069	0.060	0.051	0.055	0.049	0.059	14.86
39) 17 1248-5	0.061	0.066	0.057	0.047	0.051	0.045	0.055	14.70
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.040	0.036	0.036	0.030	0.027	0.025	0.032	18.07
42) 15 1232-2	0.041	0.035	0.035	0.030	0.027	0.024	0.032	19.55
43) 15 1232-3	0.077	0.067	0.066	0.056	0.052	0.048	0.061	17.45
44) 15 1232-4	0.034	0.029	0.029	0.026	0.023	0.021	0.027	16.56
45) 15 1232-5	0.024	0.020	0.020	0.018	0.016	0.015	0.019	17.06
46) 18 1262-1	0.112	0.096	0.090	0.076	0.070		*L	0.9920
47) 18 1262-2	0.173	0.126	0.113	0.093	0.087		*L	0.9923
48) 18 1262-3	0.127	0.104	0.098	0.082	0.077		*L	0.9932
49) 18 1262-4	0.241	0.191	0.180	0.156	0.150		*L	0.9966
50) 18 1262-5	0.086	0.073	0.069	0.059	0.055		*L	0.9931



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008134
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST23 **Ical Ref** : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.593	1.421	1.332	1.261	1.378	1.307	1.382	8.51
3) s Decachlorobip	1.681	1.312	1.188	1.080	1.145	1.076	1.247	18.42
4) 11 1016-1	0.031	0.028	0.027	0.024	0.025	0.022	0.026	11.60
5) 11 1016-2	0.072	0.064	0.059	0.053	0.055	0.050	0.059	13.55
6) 11 1016-3	0.138	0.118	0.114	0.104	0.111	0.103	0.115	11.12
7) 11 1016-4	0.055	0.047	0.045	0.041	0.043	0.039	0.045	12.58
8) 11 1016-5	0.045	0.038	0.038	0.035	0.036	0.033	0.038	11.16
9) 12 1260-1	0.099	0.079	0.076	0.068	0.071	0.066	0.077	15.38
10) 12 1260-2	0.117	0.095	0.088	0.080	0.084	0.079	0.091	15.45
11) 12 1260-3	0.096	0.080	0.076	0.069	0.073	0.068	0.077	13.68
12) 12 1260-4	0.193	0.162	0.153	0.142	0.154	0.147	0.158	11.41
13) 12 1260-5	0.137	0.116	0.111	0.101	0.107	0.101	0.112	12.25
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.021	0.016	0.015	0.014		0.017	16.92
16) 13 1221-2	0.013	0.013	0.011	0.010	0.009		0.011	15.13
17) 13 1221-3	0.047	0.048	0.039	0.035	0.033		0.040	17.44
18) 14 1254-1	0.074	0.079	0.063	0.056	0.054	0.050	*L	0.9924
19) 14 1254-2	0.092	0.094	0.072	0.064	0.062	0.057	*L	0.9920
20) 14 1254-3	0.114	0.120	0.096	0.085	0.084	0.079	*L	0.9945
21) 14 1254-4	0.087	0.092	0.072	0.065	0.064	0.060	*L	0.9940
22) 14 1254-5	0.124	0.132	0.105	0.094	0.092	0.086	*L	0.9940
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.027	0.022	0.023	0.021	0.019	0.017	0.022	16.41
25) 16 1242-2	0.063	0.051	0.051	0.048	0.042	0.039	0.049	17.68
26) 16 1242-3	0.123	0.095	0.096	0.090	0.082	0.079	0.094	16.48
27) 16 1242-4	0.042	0.033	0.033	0.033	0.028	0.026	0.033	16.88
28) 16 1242-5	0.039	0.032	0.033	0.031	0.028	0.026	0.031	13.91
29) 19 1268-1	0.301	0.217	0.218	0.205	0.193	0.190	*L	0.9992
30) 19 1268-2	0.287	0.215	0.217	0.203	0.190	0.187	*L	0.9989
31) 19 1268-3	0.200	0.149	0.147	0.138	0.129	0.127	*L	0.9989
32) 19 1268-4	0.110	0.077	0.077	0.073	0.066	0.064	*L	0.9978
33) 19 1268-5	0.589	0.413	0.413	0.403	0.382	0.382	*L	0.9997
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.032	0.029	0.031	0.028	0.033	13.55
36) 17 1248-2	0.050	0.048	0.043	0.037	0.040	0.035	0.042	13.89



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.061	0.059	0.053	0.045	0.049	0.044	0.052	13.69
38) 17 1248-4	0.065	0.064	0.058	0.050	0.056	0.050	0.057	11.36
39) 17 1248-5	0.072	0.072	0.064	0.056	0.061	0.056	0.063	11.30
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.039	0.033	0.032	0.028	0.026	0.024	0.030	18.61
42) 15 1232-2	0.039	0.034	0.034	0.029	0.027	0.025	0.031	17.27
43) 15 1232-3	0.071	0.059	0.060	0.053	0.050	0.047	0.057	15.18
44) 15 1232-4	0.023	0.020	0.019	0.017	0.016	0.015	0.018	15.25
45) 15 1232-5	0.021	0.019	0.018	0.017	0.016	0.015	0.017	13.01
46) 18 1262-1	0.090	0.077	0.074	0.064	0.060		0.073	16.26
47) 18 1262-2	0.127	0.106	0.102	0.088	0.085		0.102	16.62
48) 18 1262-3	0.121	0.101	0.097	0.085	0.081		0.097	16.30
49) 18 1262-4	0.219	0.185	0.178	0.159	0.156		0.179	14.09
50) 18 1262-5	0.079	0.068	0.068	0.058	0.056		0.066	14.02



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Calibration Date : 02/25/20 16:01
Lab File ID : P2200225a-07	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344303-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	105	-.01
2,4,5,6-Tetrachloro-m-xylene	16	13.88	-	13.2	20	92	-.01
Decachlorobiphenyl	32	28.538	-	10.8	20	99	-.02
1016-1	250	247.659	-	0.9	20	108	-.01
1016-2	250	243.623	-	2.6	20	104	-.01
1016-3	250	251.846	-	-0.7	20	114	-.02
1016-4	250	267.052	-	-6.8	20	114	-.02
1016-5	250	256.941	-	-2.8	20	109	-.02
1260-1	250	239.373	-	4.3	20	105	-.01
1260-2	250	235.97	-	5.6	20	102	-.01
1260-3	250	229.913	-	8	20	101	-.01
1260-4	250	262.396	-	-5	20	115	-.01
1260-5	250	203.376	-	18.6	20	95	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Calibration Date : 02/25/20 16:01
Lab File ID : P2200225a-07	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344303-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	90	-.01
2,4,5,6-Tetrachloro-m-xylen	16	14.806	-	7.5	20	87	-.01
Decachlorobiphenyl #2	32	36.192	-	-13.1	20	111	-.03
1016-1 #2	250	235.549	-	5.8	20	90	-.01
1016-2 #2	250	244.182	-	2.3	20	92	-.01
1016-3 #2	250	244.665	-	2.1	20	93	-.01
1016-4 #2	250	243.447	-	2.6	20	89	-.01
1016-5 #2	250	227.258	-	9.1	20	86	-.01
1260-1 #2	250	244.888	-	2	20	99	-.01
1260-2 #2	250	236.57	-	5.4	20	94	-.01
1260-3 #2	250	245.375	-	1.8	20	96	-.01
1260-4 #2	250	248.447	-	0.6	20	96	-.01
1260-5 #2	250	219.186	-	12.3	20	90	-.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST23	Calibration Date : 02/26/20 08:25
Lab File ID : 23200226a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1344514-1	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	81	0
2,4,5,6-Tetrachloro-m-xylene	160	148.496	-	7.2	15	83	0
Decachlorobiphenyl	320	328.612	-	-2.7	15	83	0
1016-1	2500	2445.066	-	2.2	15	87	0
1016-2	2500	2345.792	-	6.2	15	86	0
1016-3	2500	2367.251	-	5.3	15	86	0
1016-4	2500	2366.672	-	5.3	15	86	0
1016-5	2500	2404.187	-	3.8	15	85	0
1260-1	2500	2333.543	-	6.7	15	87	0
1260-2	2500	2325.558	-	7	15	86	0
1260-3	2500	2358.59	-	5.7	15	86	0
1260-4	2500	2346.166	-	6.2	15	86	0
1260-5	2500	2335.992	-	6.6	15	85	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST23	Calibration Date : 02/26/20 08:25
Lab File ID : 23200226a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1344514-1	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	103	0
2,4,5,6-Tetrachloro-m-xylene	160	151.651	-	5.2	15	107	0
Decachlorobiphenyl #2	320	248.325	-	22.4*	15	92	0
1016-1 #2	2500	2553.829	-	-2.2	15	113	0
1016-2 #2	2500	2433.033	-	2.7	15	111	0
1016-3 #2	2500	2381.032	-	4.8	15	108	0
1016-4 #2	2500	2461.682	-	1.5	15	111	0
1016-5 #2	2500	2388.46	-	4.5	15	106	0
1260-1 #2	2500	2281.485	-	8.7	15	105	0
1260-2 #2	2500	2249.589	-	10	15	104	0
1260-3 #2	2500	2270.285	-	9.2	15	104	0
1260-4 #2	2500	2226.622	-	10.9	15	102	0
1260-5 #2	2500	2191.486	-	12.3	15	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Calibration Date : 02/26/20 16:13
Lab File ID : P2200226b-26	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344585-5	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	129	0
2,4,5,6-Tetrachloro-m-xylene	16	14.869	-	7.1	20	121	0
Decachlorobiphenyl	32	28.41	-	11.2	20	121	-.01
1016-1	250	243.467	-	2.6	20	130	0
1016-2	250	247.809	-	0.9	20	129	0
1016-3	250	258.02	-	-3.2	20	142	0
1016-4	250	274.363	-	-9.7	20	143	0
1016-5	250	275.181	-	-10.1	20	143	0
1260-1	250	251.117	-	-0.4	20	135	0
1260-2	250	259.635	-	-3.9	20	137	0
1260-3	250	228.074	-	8.8	20	123	0
1260-4	250	244.33	-	2.3	20	131	0
1260-5	250	216.906	-	13.2	20	124	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST2	Calibration Date : 02/26/20 16:13
Lab File ID : P2200226b-26	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344585-5	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	99	0
2,4,5,6-Tetrachloro-m-xylene	16	15.487	-	3.2	20	100	0
Decachlorobiphenyl #2	32	31.307	-	2.2	20	106	-0.2
1016-1 #2	250	245.865	-	1.7	20	104	0
1016-2 #2	250	249.582	-	0.2	20	104	0
1016-3 #2	250	243.498	-	2.6	20	102	0
1016-4 #2	250	248.825	-	0.5	20	100	0
1016-5 #2	250	235.838	-	5.7	20	99	0
1260-1 #2	250	260.413	-	-4.2	20	116	0
1260-2 #2	250	262.44	-	-5	20	115	0
1260-3 #2	250	256.313	-	-2.5	20	111	0
1260-4 #2	250	253.632	-	-1.5	20	108	0
1260-5 #2	250	229.596	-	8.2	20	104	-0.1

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Calibration Date : 02/27/20 11:45
Lab File ID : 19200227b-04	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1345020-1	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	59	0
2,4,5,6-Tetrachloro-m-xylene	160	181.982	-	-13.7	20	70	0
Decachlorobiphenyl	320	304.718	-	4.8	20	60	.01
1016-1	2500	2843.881	-	-13.8	20	71	0
1016-2	2500	2642.43	-	-5.7	20	66	0
1016-3	2500	2742.165	-	-9.7	20	69	0
1016-4	2500	2781.215	-	-11.2	20	70	0
1016-5	2500	2667.111	-	-6.7	20	65	0
1260-1	2500	2585.483	-	-3.4	20	65	0
1260-2	2500	2599.871	-	-4	20	66	0
1260-3	2500	2529.887	-	-1.2	20	64	.01
1260-4	2500	2647.446	-	-5.9	20	66	.01
1260-5	2500	2694.335	-	-7.8	20	64	.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Calibration Date : 02/27/20 11:45
Lab File ID : 19200227b-04	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1345020-1	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	95	0
2,4,5,6-Tetrachloro-m-xylene	160	178.252	-	-11.4	20	111	0
Decachlorobiphenyl #2	320	298.539	-	6.7	20	94	0
1016-1 #2	2500	2774.796	-	-11	20	111	0
1016-2 #2	2500	2827.458	-	-13.1	20	115	0
1016-3 #2	2500	2834.407	-	-13.4	20	112	0
1016-4 #2	2500	2768.406	-	-10.7	20	111	0
1016-5 #2	2500	2768.468	-	-10.7	20	109	0
1260-1 #2	2500	2511.727	-	-0.5	20	99	0
1260-2 #2	2500	2593.031	-	-3.7	20	103	0
1260-3 #2	2500	2513.076	-	-0.5	20	99	0
1260-4 #2	2500	2571.862	-	-2.9	20	103	0
1260-5 #2	2500	2497.559	-	0.1	20	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Calibration Date : 03/04/20 09:21
Lab File ID : 19200304a-05	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1347003-1	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	63	0
2,4,5,6-Tetrachloro-m-xylene	160	184.167	-	-15.1	20	77	0
Decachlorobiphenyl	320	324.906	-	-1.5	20	69	0
1016-1	2500	2721.865	-	-8.9	20	73	0
1016-2	2500	2672.633	-	-6.9	20	72	0
1016-3	2500	2697.154	-	-7.9	20	73	0
1016-4	2500	2652.982	-	-6.1	20	72	0
1016-5	2500	2687.117	-	-7.5	20	71	0
1260-1	2500	2645.069	-	-5.8	20	72	0
1260-2	2500	2651.383	-	-6.1	20	72	0
1260-3	2500	2634.297	-	-5.4	20	72	0
1260-4	2500	2696.406	-	-7.9	20	72	0
1260-5	2500	2719.001	-	-8.8	20	70	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Calibration Date : 03/04/20 09:21
Lab File ID : 19200304a-05	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1347003-1	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	101	0
2,4,5,6-Tetrachloro-m-xylene	160	180.477	-	-12.8	20	120	0
Decachlorobiphenyl #2	320	316.861	-	1	20	106	0
1016-1 #2	2500	2839.628	-	-13.6	20	121	0
1016-2 #2	2500	2816.311	-	-12.7	20	122	0
1016-3 #2	2500	2864.302	-	-14.6	20	121	0
1016-4 #2	2500	2819.855	-	-12.8	20	120	0
1016-5 #2	2500	2779.614	-	-11.2	20	116	0
1260-1 #2	2500	2567.35	-	-2.7	20	108	0
1260-2 #2	2500	2638.161	-	-5.5	20	112	0
1260-3 #2	2500	2601.356	-	-4.1	20	110	0
1260-4 #2	2500	2651.383	-	-6.1	20	113	0
1260-5 #2	2500	2617.016	-	-4.7	20	111	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Calibration Date : 03/04/20 15:17
Lab File ID : 19200304a-26	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1347003-2	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	65	0
2,4,5,6-Tetrachloro-m-xylene	160	170.537	-	-6.6	20	73	0
Decachlorobiphenyl	320	309.286	-	3.3	20	68	0
1016-1	2500	2690.878	-	-7.6	20	74	0
1016-2	2500	2519.046	-	-0.8	20	70	0
1016-3	2500	2545.949	-	-1.8	20	71	0
1016-4	2500	2482.936	-	0.7	20	70	0
1016-5	2500	2549.463	-	-2	20	69	0
1260-1	2500	2492.442	-	0.3	20	70	0
1260-2	2500	2510.956	-	-0.4	20	70	0
1260-3	2500	2574.538	-	-3	20	73	0
1260-4	2500	2629.652	-	-5.2	20	73	0
1260-5	2500	2615.103	-	-4.6	20	69	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST19	Calibration Date : 03/04/20 15:17
Lab File ID : 19200304a-26	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1347003-2	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	107	0
2,4,5,6-Tetrachloro-m-xylene	160	165.463	-	-3.4	20	116	0
Decachlorobiphenyl #2	320	310.434	-	3	20	110	0
1016-1 #2	2500	2596.213	-	-3.8	20	116	0
1016-2 #2	2500	2566.715	-	-2.7	20	117	0
1016-3 #2	2500	2614.358	-	-4.6	20	116	0
1016-4 #2	2500	2571.647	-	-2.9	20	116	0
1016-5 #2	2500	2532.308	-	-1.3	20	112	0
1260-1 #2	2500	2361.066	-	5.6	20	105	0
1260-2 #2	2500	2478.705	-	0.9	20	111	0
1260-3 #2	2500	2449.41	-	2	20	109	0
1260-4 #2	2500	2445.308	-	2.2	20	110	0
1260-5 #2	2500	2468.439	-	1.3	20	110	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008134
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279800-1	01/29/20 18:49
1242/1268 L2	R1279800-2	01/29/20 18:56
1242/1268 L3	R1279800-4	01/29/20 19:02
1242/1268 L4	R1279800-3	01/29/20 19:09
1242/1268 L5	R1279800-6	01/29/20 19:16
1242/1268 L6	R1279800-5	01/29/20 19:23
1232/1262 L1	R1279800-7	01/29/20 19:30
1232/1262 L2	R1279800-8	01/29/20 19:37
1232/1262 L3	R1279800-9	01/29/20 19:43
1232/1262 L4	R1279800-10	01/29/20 19:50
1232/1262 L5	R1279800-12	01/29/20 19:57
1232 L6	R1279800-11	01/29/20 20:04
1248 L1	R1279800-14	01/29/20 20:10
1248 L2	R1279800-13	01/29/20 20:17
1248 L3	R1279800-16	01/29/20 20:24
1248 L4	R1279800-15	01/29/20 20:31
1248 L5	R1279800-18	01/29/20 20:37
1248 L6	R1279800-17	01/29/20 20:44
1221/1254 L1	R1279800-19	01/29/20 20:51
1221/1254 L2	R1279800-20	01/29/20 20:58
1221/1254 L4	R1279800-22	01/29/20 21:11
1221/1254 L5	R1279800-23	01/29/20 21:18
1254 L6	R1279800-21	01/29/20 21:25
1016/1260 L1	R1279800-24	01/29/20 21:32
1016/1260 L2	R1279800-25	01/29/20 21:38
1016/1260 L3	R1279800-27	01/29/20 21:45
1016/1260 L4	R1279800-26	01/29/20 21:52
1016/1260 L5	R1279800-28	01/29/20 21:58
1016/1260 L6	R1279800-29	01/29/20 22:05
R1279800-30 ICV	R1279800-30	01/29/20 22:12
R1279800-31 ICV	R1279800-31	01/29/20 22:19
R1279800-33 ICV	R1279800-33	01/29/20 22:25
R1279800-32 ICV	R1279800-32	01/29/20 22:39
1221/1254 L3	R1279800-35	01/30/20 22:53
R1279800-34 ICV	R1279800-34	01/30/20 23:00
WG1344514-1 CCAL	WG1344514-1	02/26/20 08:25
WG1344386-1 BLANK	WG1344386-1	02/26/20 09:42
WG1344386-2 LCS	WG1344386-2	02/26/20 09:49
WG1344386-3 LCSD	WG1344386-3	02/26/20 09:56



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2008134
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0007.03
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1344303-1 CCAL	WG1344303-1	02/25/20 16:01
WG1343985-1 BLANK	WG1343985-1	02/25/20 16:56
WG1343985-2 LCS	WG1343985-2	02/25/20 17:09
WG1343985-3 LCSD	WG1343985-3	02/25/20 17:23
WG1344585-5 CCAL	WG1344585-5	02/26/20 16:13
EB-12-02242020	L2008134-18	02/26/20 17:08



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008134
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1258780-12	11/20/19 11:11
1242/1268 L2	R1258780-13	11/20/19 11:18
1242/1268 L3	R1258780-14	11/20/19 11:25
1242/1268 L4	R1258780-15	11/20/19 11:32
1242/1268 L5	R1258780-16	11/20/19 11:39
1242/1268 L6	R1258780-17	11/20/19 11:46
1232/1262 L1	R1258780-18	11/20/19 11:53
1232/1262 L2	R1258780-21	11/20/19 12:00
1232/1262 L3	R1258780-19	11/20/19 12:07
1232/1262 L4	R1258780-20	11/20/19 12:13
1232/1262 L5	R1258780-22	11/20/19 12:20
1232/1262 L6	R1258780-23	11/20/19 12:27
1221/1254 L1	R1258780-24	11/20/19 12:34
1221/1254 L2	R1258780-25	11/20/19 12:41
1221/1254 L3	R1258780-28	11/20/19 12:48
1221/1254 L4	R1258780-27	11/20/19 12:55
1221/1254 L5	R1258780-26	11/20/19 13:02
1221/1254 L6	R1258780-30	11/20/19 13:08
1016/1260 L1	R1258780-29	11/20/19 13:15
1016/1260 L2	R1258780-31	11/20/19 13:22
1016/1260 L3	R1258780-33	11/20/19 13:29
1016/1260 L4	R1258780-32	11/20/19 13:36
1016/1260 L5	R1258780-34	11/20/19 13:43
1016/1260 L6	R1258780-35	11/20/19 13:50
1248 L1	R1258780-1	11/20/19 13:57
1248 L2	R1258780-2	11/20/19 14:04
1248 L3	R1258780-3	11/20/19 14:11
1248 L4	R1258780-4	11/20/19 14:17
1248 L5	R1258780-5	11/20/19 14:24
1248 L6	R1258780-8	11/20/19 14:31
R1258780-7 ICV	R1258780-7	11/20/19 14:38
R1258780-6 ICV	R1258780-6	11/20/19 14:45
R1258780-10 ICV	R1258780-10	11/20/19 14:52
R1258780-9 ICV	R1258780-9	11/20/19 14:59
R1258780-11 ICV	R1258780-11	11/22/19 16:02
WG1345020-1 CCAL	WG1345020-1	02/27/20 11:45
E-102-0.5-1.0	L2008134-08	02/27/20 14:00
E-102-3.0-3.5	L2008134-09	02/27/20 14:06
E-103-0.5-1.0	L2008134-11	02/27/20 14:13
E-103-3.0-3.5	L2008134-12	02/27/20 14:20
WG1347003-1 CCAL	WG1347003-1	03/04/20 09:21
WG1346747-1 BLANK	WG1346747-1	03/04/20 14:36



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2008134
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0007.03
 Instrument ID : PEST19 Initial Calib. Date(s) : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
WG1346747-2 LCS	WG1346747-2	03/04/20 14:43
WG1346747-3 LCSD	WG1346747-3	03/04/20 14:50
E-104-0.5-1.0	L2008134-13	03/04/20 14:57
E-104-0.5-1.0 MS	WG1346747-4	03/04/20 15:04
E-104-0.5-1.0 DUP	WG1346747-5	03/04/20 15:10
WG1347003-2 CCAL	WG1347003-2	03/04/20 15:17
E-109-0.5-1.0	L2008134-01	03/04/20 15:24
E-109-4.0-4.5	L2008134-03	03/04/20 15:38
E-100-0.5-1.0	L2008134-04	03/04/20 15:45
E-107-0.5-1.0	L2008134-05	03/04/20 15:52
E-107-3.0-3.5	L2008134-06	03/04/20 15:59
E-107-4.0-4.5	L2008134-07	03/04/20 16:06
E-104-3.0-3.5	L2008134-14	03/04/20 16:12
E-105-0.5-1.0	L2008134-15	03/04/20 16:19
E-105-3.0-3.5	L2008134-16	03/04/20 16:29
E-105-4.0-4.5	L2008134-17	03/04/20 16:36
E-109-3.0-3.5	L2008134-02 D	03/04/20 16:56



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2008134
 Project Number: 277710568.0007.03
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-12-02242020 (L2008134-18)	54	55	53	54			0
WG1343985-1BLANK	56	54	70	68			0
WG1343985-2LCS	47	43	54	55			0
WG1343985-3LCSD	46	44	54	60			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2008134
 Project Number: 277710568.0007.03
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-109-0.5-1.0 (L2008134-01)	63	63	62	64			0
E-109-3.0-3.5 (L2008134-02D)	44	45	47	74			0
E-109-4.0-4.5 (L2008134-03)	70	62	55	56			0
E-100-0.5-1.0 (L2008134-04)	55	54	55	60			0
E-107-0.5-1.0 (L2008134-05)	54	52	49	57			0
E-107-3.0-3.5 (L2008134-06)	49	49	49	61			0
E-107-4.0-4.5 (L2008134-07)	45	45	42	92			0
E-102-0.5-1.0 (L2008134-08)	47	46	45	45			0
E-102-3.0-3.5 (L2008134-09)	61	61	57	54			0
E-103-0.5-1.0 (L2008134-11)	61	59	58	52			0
E-103-3.0-3.5 (L2008134-12)	71	70	66	63			0
E-104-0.5-1.0 (L2008134-13)	58	58	64	71			0
E-104-3.0-3.5 (L2008134-14)	55	56	51	61			0
E-105-0.5-1.0 (L2008134-15)	56	56	53	73			0
E-105-3.0-3.5 (L2008134-16)	42	41	43	133			0
E-105-4.0-4.5 (L2008134-17)	50	49	47	128			0
WG1344386-1BLANK	71	76	96	72			0
WG1344386-2LCS	72	77	89	68			0
WG1344386-3LCSD	73	77	90	70			0
WG1346747-1BLANK	73	75	67	69			0
WG1346747-2LCS	73	73	70	69			0
WG1346747-3LCSD	81	82	80	81			0
E-104-0.5-1.0MS	53	52	52	69			0
E-104-0.5-1.0DUP	54	53	55	62			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Lab Duplicate Sample Summary

Form 3

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008134
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Client Sample ID	: E-104-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2008134-13	Analysis Date	: 03/04/20 14:57
Lab File ID	: 19200304a-23	DUP File ID	: 19200304a-25
Dup Sample ID	: WG1346747-5	DUP Analysis Date	: 03/04/20 15:10

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1016	ND	ND	NC	30
Aroclor 1221	ND	ND	NC	30
Aroclor 1232	ND	ND	NC	30
Aroclor 1242	ND	ND	NC	30
Aroclor 1248	ND	ND	NC	30
Aroclor 1254	ND	ND	NC	30
Aroclor 1260	0.281	0.272	3	30
Aroclor 1262	ND	ND	NC	30
Aroclor 1268	ND	ND	NC	30
PCBs, Total	0.281	0.272	3	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008134
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0007.03
 Matrix : WATER
 LCS Sample ID : WG1343985-2 Analysis Date : 02/25/20 17:09 File ID : P2200225a-12
 LCSD Sample ID : WG1343985-3 Analysis Date : 02/25/20 17:23 File ID : P2200225a-13

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	0.886	50	1.78	0.903	51	2	40-140	20
Aroclor 1260	1.78	0.940	53	1.78	1.06	59	12	40-140	20



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008134
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0007.03
 Matrix : SOIL
 LCS Sample ID : WG1344386-2 Analysis Date : 02/26/20 09:49 File ID : 23200226a-04
 LCSD Sample ID : WG1344386-3 Analysis Date : 02/26/20 09:56 File ID : 23200226a-05

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.204	0.188	92	0.198	0.185	93	1	40-140	30
Aroclor 1260	0.204	0.179	88	0.198	0.175	88	0	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008134
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0007.03
 Matrix : SOIL
 LCS Sample ID : WG1346747-2 Analysis Date : 03/04/20 14:43 File ID : 19200304a-21
 LCSD Sample ID : WG1346747-3 Analysis Date : 03/04/20 14:50 File ID : 19200304a-22

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.207	0.185	89	0.203	0.206	102	14	40-140	30
Aroclor 1260	0.207	0.179	86	0.203	0.204	101	16	40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Client Sample ID : E-104-0.5-1.0	Matrix : SOIL
Lab Sample ID : L2008134-13	Analysis Date : 03/04/20 14:57
Matrix Spike : WG1346747-4	MS Analysis Date : 03/04/20 15:04
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1016	ND	0.232	0.165	71					40-140	30
Aroclor 1260	0.281	0.232	0.389	47					40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-01	
Client ID : E-109-0.5-1.0	
Date Analyzed (1) : 03/04/20 15:24	Date Analyzed (2) : 03/04/20 15:24
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	0.109			
	2	2.71	2.66	2.76	0.145			
	COLUMN 1	3	3.05	3.01	3.11	0.115		
		4	3.22	3.18	3.28	0.141		
		5	3.38	3.33	3.43	0.155	0.133	
COLUMN 2	1	2.95	2.90	3.00	0.0921			
	2	3.06	3.01	3.11	0.144			
	3	3.48	3.43	3.53	0.0966			
	4	3.62	3.57	3.67	0.135			
	5	3.83	3.78	3.88	0.136	0.121	9	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-02D	
Client ID : E-109-3.0-3.5	
Date Analyzed (1) : 03/04/20 16:56	Date Analyzed (2) : 03/04/20 16:56
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	0.774			
	2	2.71	2.66	2.76	1.07			
	COLUMN 1	3	3.05	3.01	3.11	1.08		
		4	3.22	3.18	3.28	1.12		
		5	3.38	3.33	3.43	1.32	1.07	
COLUMN 2	1	2.95	2.90	3.00	0.758			
	2	3.06	3.01	3.11	1.08			
	3	3.48	3.43	3.53	0.855			
	4	3.62	3.57	3.67	1.04			
	5	3.83	3.78	3.88	1.09	0.965	10	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-03	
Client ID : E-109-4.0-4.5	
Date Analyzed (1) : 03/04/20 15:38	Date Analyzed (2) : 03/04/20 15:38
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.157		
	2	2.71	2.66	2.76	0.23		
COLUMN 1	3	3.06	3.01	3.11	0.216		
	4	3.23	3.18	3.28	0.246		
	5	3.38	3.33	3.43	0.284	0.226	
COLUMN 2	1	2.95	2.90	3.00	0.15		
	2	3.06	3.01	3.11	0.22		
	3	3.48	3.43	3.53	0.248		
	4	3.62	3.57	3.67	0.226		
	5	3.83	3.78	3.88	0.243	0.217	4



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-04	
Client ID : E-100-0.5-1.0	
Date Analyzed (1) : 03/04/20 15:45	Date Analyzed (2) : 03/04/20 15:45
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	0.18			
	2	2.71	2.66	2.76	0.316			
	COLUMN 1	3	3.06	3.01	3.11	0.296		
		4	3.22	3.18	3.28	0.314		
		5	3.38	3.33	3.43	0.417	0.304	
COLUMN 2	1	2.95	2.90	3.00	0.169			
	2	3.06	3.01	3.11	0.347			
	3	3.48	3.43	3.53	0.272			
	4	3.62	3.57	3.67	0.33			
	5	3.83	3.78	3.88	0.378	0.299	2	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-05	
Client ID : E-107-0.5-1.0	
Date Analyzed (1) : 03/04/20 15:52	Date Analyzed (2) : 03/04/20 15:52
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	0.167			
	2	2.71	2.66	2.76	0.105			
	COLUMN 1	3	3.06	3.01	3.11	0.21		
		4	3.23	3.18	3.28	0.222		
		5	3.38	3.33	3.43	0.261	0.193	
COLUMN 2	1	2.95	2.90	3.00	0.163			
	2	3.06	3.01	3.11	0.0765			
	3	3.48	3.43	3.53	0.208			
	4	3.62	3.57	3.67	0.233			
	5	3.83	3.78	3.88	0.241	0.184	5	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-06	
Client ID : E-107-3.0-3.5	
Date Analyzed (1) : 03/04/20 15:59	Date Analyzed (2) : 03/04/20 15:59
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD	
			From	To				
AROCOR 1254	1	2.15	-0.05	0.05	0.064			
	2	2.28	-0.05	0.05	0.0607			
	COLUMN 1	3	2.48	-0.05	0.05	0.0845		
		4	2.62	-0.05	0.05	0.0929		
		5	0.00	-0.05	0.05	0.	0.0755	
COLUMN 2	1	2.50	-0.05	0.05	0.0724			
	2	0.00	-0.05	0.05	0.			
	3	2.85	-0.05	0.05	0.0935			
	4	2.97	-0.05	0.05	0.0592			
	5	0.00	-0.05	0.05	0.	0.075	1	
AROCOR 1260	1	0.00	2.52	2.62	0.			
	2	0.00	2.66	2.76	0.			
	COLUMN 1	3	3.06	3.01	3.11	0.155		
		4	3.23	3.18	3.28	0.172		
		5	3.38	3.33	3.43	0.204	0.177	
COLUMN 2	1	0.00	2.90	3.00	0.			
	2	0.00	3.01	3.11	0.			
	3	3.48	3.43	3.53	0.144			
	4	3.63	3.57	3.67	0.176			
	5	3.84	3.78	3.88	0.183	0.168	5	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-07	
Client ID : E-107-4.0-4.5	
Date Analyzed (1) : 03/04/20 16:06	Date Analyzed (2) : 03/04/20 16:06
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1254	1	2.15	-0.05	0.05	0.0577			
	2	2.28	-0.05	0.05	0.0496			
	COLUMN 1	3	2.48	-0.05	0.05	0.0869		
		4	2.62	-0.05	0.05	0.119		
		5	0.00	-0.05	0.05	0.	0.0782	
COLUMN 2	1	2.50	-0.05	0.05	0.0747			
	2	0.00	-0.05	0.05	0.			
	3	2.85	-0.05	0.05	0.105			
	4	2.97	-0.05	0.05	0.0688			
	5	0.00	-0.05	0.05	0.	0.083	6	
AROCOR 1260	1	0.00	2.52	2.62	0.			
	2	0.00	2.66	2.76	0.			
	COLUMN 1	3	3.06	3.01	3.11	0.111		
		4	3.23	3.18	3.28	0.124		
		5	3.39	3.33	3.43	0.154	0.13	
COLUMN 2	1	0.00	2.90	3.00	0.			
	2	0.00	3.01	3.11	0.			
	3	3.48	3.43	3.53	0.108			
	4	3.63	3.57	3.67	0.123			
	5	3.84	3.78	3.88	0.127	0.12	8	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-08	
Client ID : E-102-0.5-1.0	
Date Analyzed (1) : 02/27/20 14:00	Date Analyzed (2) : 02/27/20 14:00
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.53	2.63	0.28		
	2	2.71	2.67	2.77	0.336		
COLUMN 1	3	3.06	3.02	3.12	0.346		
	4	3.23	3.19	3.29	0.377		
	5	3.39	3.34	3.44	0.458	0.359	
COLUMN 2	1	2.95	2.91	3.01	0.266		
	2	3.07	3.02	3.12	0.329		
	3	3.48	3.44	3.54	0.312		
	4	3.63	3.58	3.68	0.385		
	5	3.84	3.79	3.89	0.393	0.337	6



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-09	
Client ID : E-102-3.0-3.5	
Date Analyzed (1) : 02/27/20 14:06	Date Analyzed (2) : 02/27/20 14:06
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.53	2.63	0.046		
	2	2.71	2.67	2.77	0.058		
COLUMN 1	3	0.00	3.02	3.12	0.		
	4	3.23	3.19	3.29	0.067		
	5	0.00	3.34	3.44	0.	0.057	
COLUMN 2	1	2.95	2.91	3.01	0.0423		
	2	3.07	3.02	3.12	0.0548		
	3	3.48	3.44	3.54	0.0551		
	4	3.63	3.58	3.68	0.0646		
	5	3.84	3.79	3.89	0.0708	0.0575	1



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-11	
Client ID : E-103-0.5-1.0	
Date Analyzed (1) : 02/27/20 14:13	Date Analyzed (2) : 02/27/20 14:13
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.53	2.63	0.302			
	2	2.71	2.67	2.77	0.424			
	COLUMN 1	3	3.06	3.02	3.12	0.39		
		4	3.23	3.19	3.29	0.462		
		5	3.39	3.34	3.44	0.558	0.427	
COLUMN 2	1	2.95	2.91	3.01	0.28			
	2	3.07	3.02	3.12	0.429			
	3	3.48	3.44	3.54	0.346			
	4	3.63	3.58	3.68	0.425			
	5	3.84	3.79	3.89	0.495	0.395	8	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-12	
Client ID : E-103-3.0-3.5	
Date Analyzed (1) : 02/27/20 14:20	Date Analyzed (2) : 02/27/20 14:20
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.53	2.63	0.136		
	2	2.71	2.67	2.77	0.173		
COLUMN 1	3	3.06	3.02	3.12	0.178		
	4	3.23	3.19	3.29	0.183		
	5	3.39	3.34	3.44	0.213	0.177	
COLUMN 2	1	2.95	2.91	3.01	0.124		
	2	3.07	3.02	3.12	0.177		
	3	3.48	3.44	3.54	0.175		
	4	3.63	3.58	3.68	0.177		
	5	3.84	3.79	3.89	0.184	0.167	6



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-13	
Client ID : E-104-0.5-1.0	
Date Analyzed (1) : 03/04/20 14:57	Date Analyzed (2) : 03/04/20 14:57
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.192		
	2	2.71	2.66	2.76	0.266		
COLUMN 1	3	3.06	3.01	3.11	0.284		
	4	3.23	3.18	3.28	0.302		
	5	3.38	3.34	3.44	0.362	0.281	
COLUMN 2	1	2.95	2.90	3.00	0.187		
	2	3.06	3.01	3.11	0.279		
	3	3.48	3.43	3.53	0.236		
	4	3.62	3.57	3.67	0.307		
	5	3.83	3.79	3.89	0.32	0.266	6



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-14	
Client ID : E-104-3.0-3.5	
Date Analyzed (1) : 03/04/20 16:12	Date Analyzed (2) : 03/04/20 16:12
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.00517		
	2	2.71	2.66	2.76	0.00767		
COLUMN 1	3	0.00	3.01	3.11	0.		
	4	3.23	3.18	3.28	0.0103		
	5	3.38	3.33	3.43	0.009	0.00804J	
COLUMN 2	1	2.95	2.90	3.00	0.00473		
	2	3.06	3.01	3.11	0.00804		
	3	3.48	3.43	3.53	0.0079		
	4	3.62	3.57	3.67	0.00926		
	5	3.84	3.78	3.88	0.007	0.00739J	NC



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-15	
Client ID : E-105-0.5-1.0	
Date Analyzed (1) : 03/04/20 16:19	Date Analyzed (2) : 03/04/20 16:19
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.162		
	2	2.71	2.66	2.76	0.2		
COLUMN 1	3	3.06	3.01	3.11	0.189		
	4	3.23	3.18	3.28	0.206		
	5	3.38	3.33	3.43	0.239	0.199	
COLUMN 2	1	2.95	2.90	3.00	0.152		
	2	3.06	3.01	3.11	0.209		
	3	3.48	3.43	3.53	0.158		
	4	3.62	3.57	3.67	0.206		
	5	3.83	3.78	3.88	0.215	0.188	6



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008134
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Lab Sample ID	: L2008134-16		
Client ID	: E-105-3.0-3.5		
Date Analyzed (1)	: 03/04/20 16:29	Date Analyzed (2)	: 03/04/20 16:29
Instrument ID (1)	: PEST19	Instrument ID (2)	: PEST19
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	2.58	2.52	2.62	0.0585			
	2	2.72	2.66	2.76	0.0657			
COLUMN 1	3	3.07	3.01	3.11	0.0629			
	4	3.24	3.18	3.28	0.0688			
	5	3.39	3.33	3.43	0.0856	0.0683		
COLUMN 2	1	2.96	2.90	3.00	0.0586			
	2	3.07	3.01	3.11	0.0562			
	3	3.49	3.43	3.53	0.0656			
	4	3.63	3.57	3.67	0.061			
	5	3.84	3.78	3.88	0.0593	0.0601		13



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008134-17	
Client ID : E-105-4.0-4.5	
Date Analyzed (1) : 03/04/20 16:36	Date Analyzed (2) : 03/04/20 16:36
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.57	2.52	2.62	0.0876		
	2	2.72	2.66	2.76	0.0951		
COLUMN 1	3	3.06	3.01	3.11	0.118		
	4	3.24	3.18	3.28	0.129		
	5	3.39	3.33	3.43	0.144	0.115	
COLUMN 2	1	2.95	2.90	3.00	0.0869		
	2	3.07	3.01	3.11	0.0954		
	3	3.48	3.43	3.53	0.0973		
	4	3.63	3.57	3.67	0.124		
	5	3.84	3.78	3.88	0.107	0.102	12



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:00 pm
 Operator : pest19:cw
 Sample : l2008134-08,42e,,
 Misc : wgl1345020,wgl1344386,ical16321
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 15:56:44 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.994	1.035	29113427	43428680	250.000M4	250.000M1
Standard Area 1 : #1 = 24432303			Recovery = 119.16%			
Standard Area 1 : #2 = 36318149			Recovery = 119.58%			
14) i 2154_1br2nb	0.994	1.035	29113427	43428680	250.000M4	250.000M1
23) i 4268_1br2nb	0.994	1.035	29113427	43428680	250.000M4	250.000M1
34) i 1248_1br2nb	0.994	1.035	29113427	43428680	250.000M4	250.000M1
40) i 3262_1br2nb	0.994	1.035	29113427	43428680	250.000M4	250.000M1
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.249	1.379	35813589	51399797	235.726M4	231.727M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 47.15% 46.35%			
3) s Decachlorobi	4.005	4.511	27123114	42138449	222.559	225.224M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 44.51% 45.04%			
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.568	2.952	27288037	39561271	3556.373M4	3386.368M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:00 pm
 Operator : pest19:cw
 Sample : l2008134-08,42e,,
 Misc : wgl1345020,wgl1344386,ical16321
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 15:56:44 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12	1260-2	2.713	3.067	49276960	57393106	4271.181M3	4186.561
11) 12	1260-3	3.057	3.484	33022018	47413872	4398.399M3	3968.043M4
12) 12	1260-4	3.227	3.626	75732858	123.1E6	4797.268M3	4894.819
13) 12	1260-5	3.385	3.837	66411709	87228207	5821.896M3	4993.736M3
	Sum 1260-1			251.7E6	354.7E6	22845.117	21429.527
	Average 1260-1					4569.023	4285.905
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:00 pm
 Operator : pest19:cw
 Sample : 12008134-08,42e,,
 Misc : wgl1345020,wgl1344386,ical16321
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 15:56:44 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:00 pm
 Operator : pest19:cw
 Sample : 12008134-08,42e,,
 Misc : wgl1345020,wgl1344386,ical16321
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 15:56:44 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

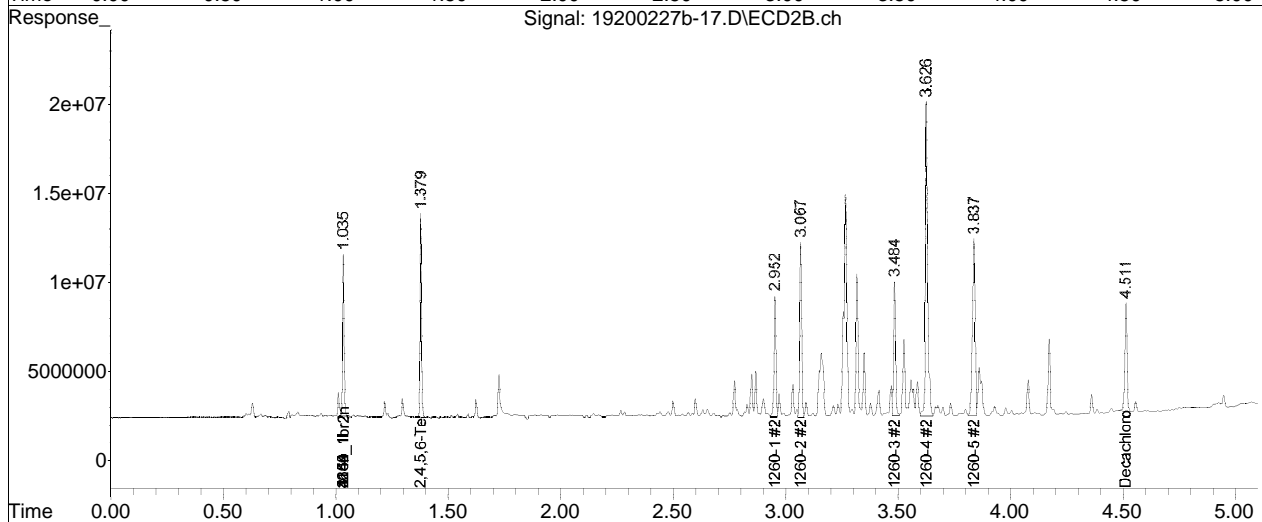
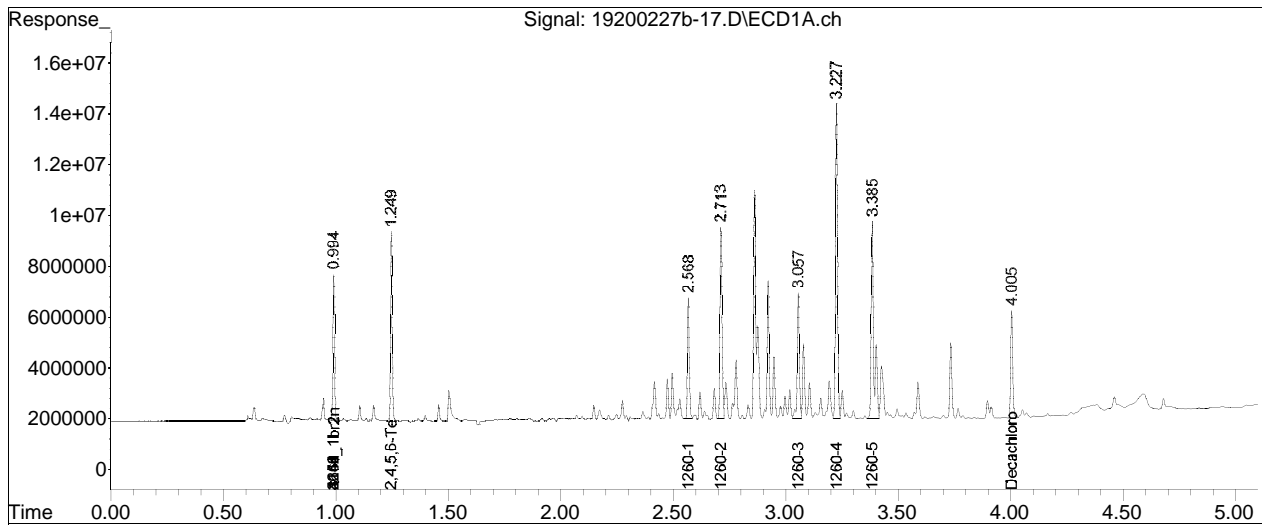
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-04.D••d)

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2020 02:00 pm
Operator : pest19:cw
Sample : l2008134-08,42e,,
Misc : wg1345020,wg1344386,ical16321
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 01 15:56:44 2020
Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

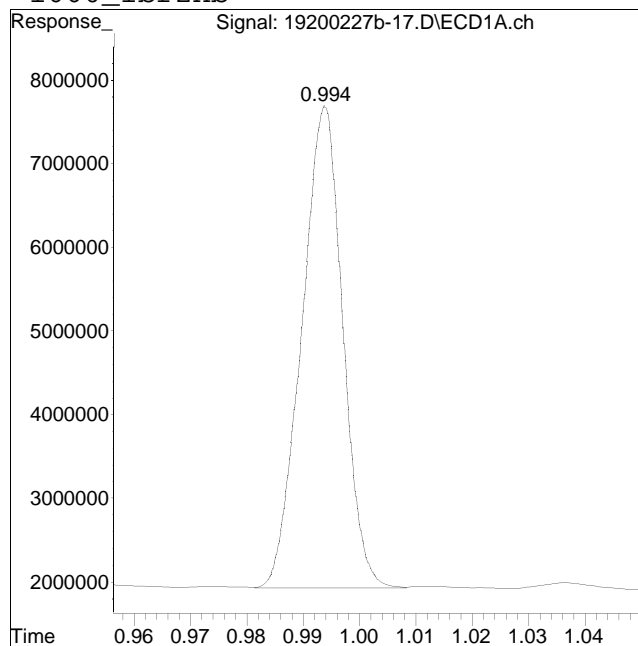
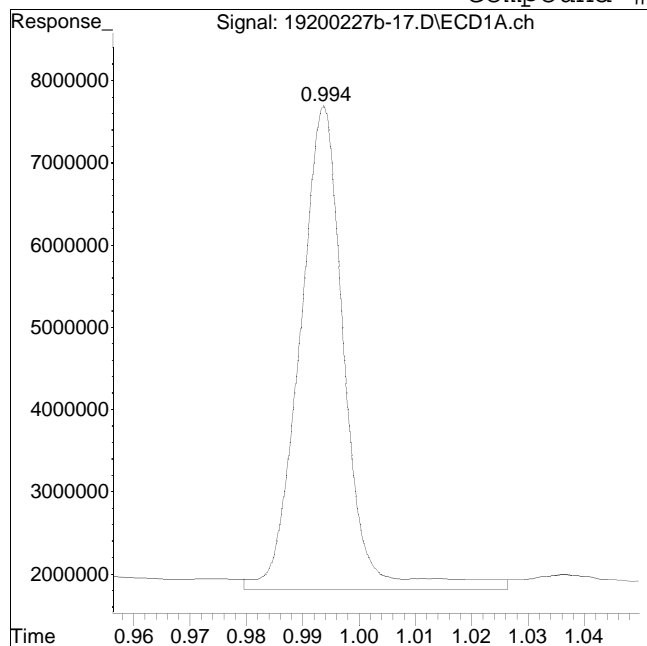


Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #1: 1660_1br2nb



Original Peak Response = 32633121

Manual Peak Response = 29113427 M4

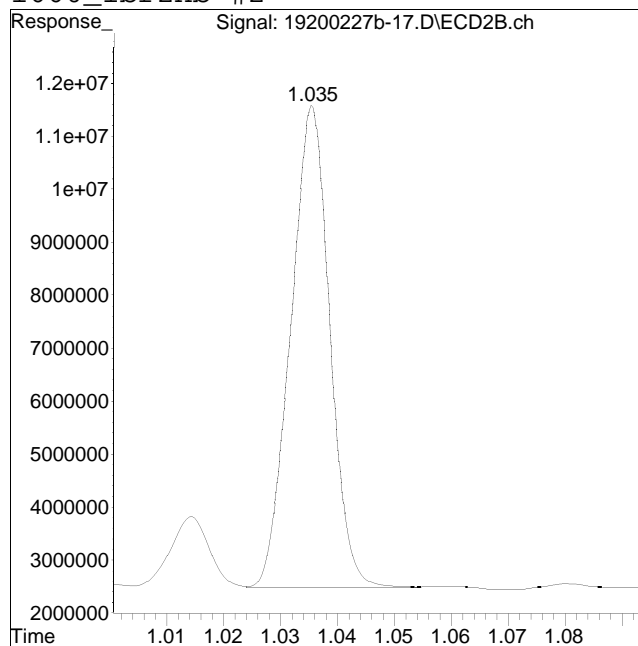
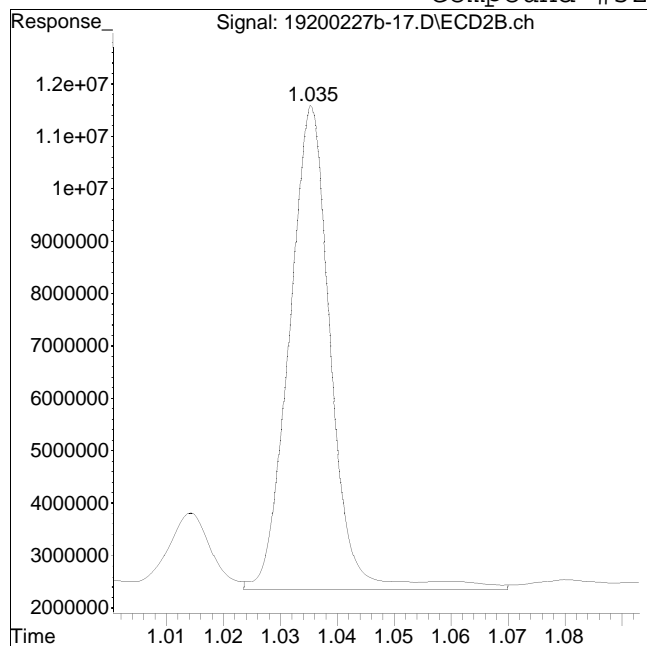
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 47185601

Manual Peak Response = 43428680 M1

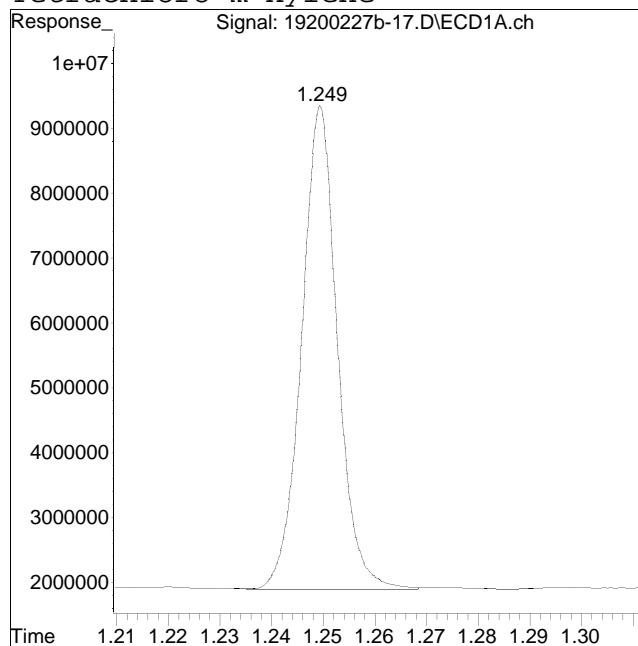
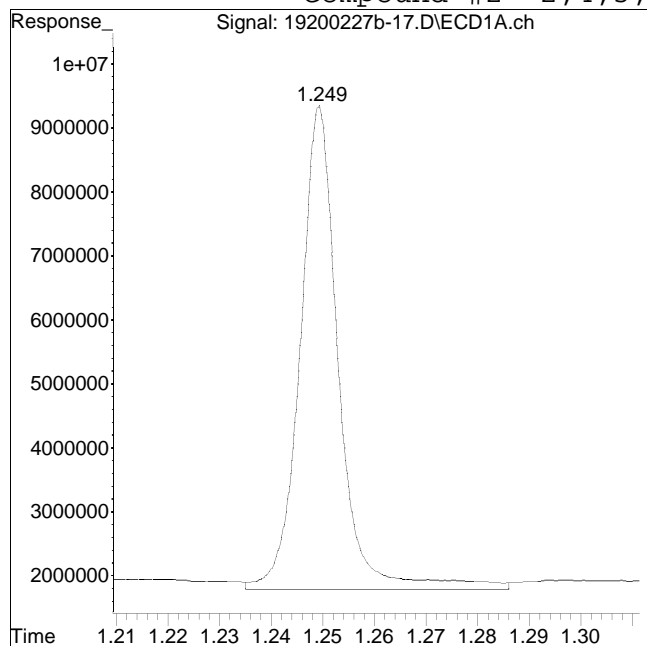
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 39525245

Manual Peak Response = 35813589 M4

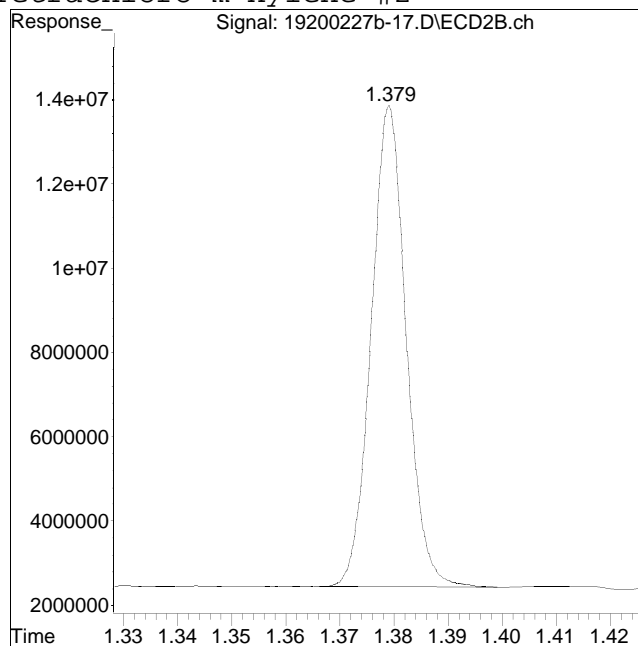
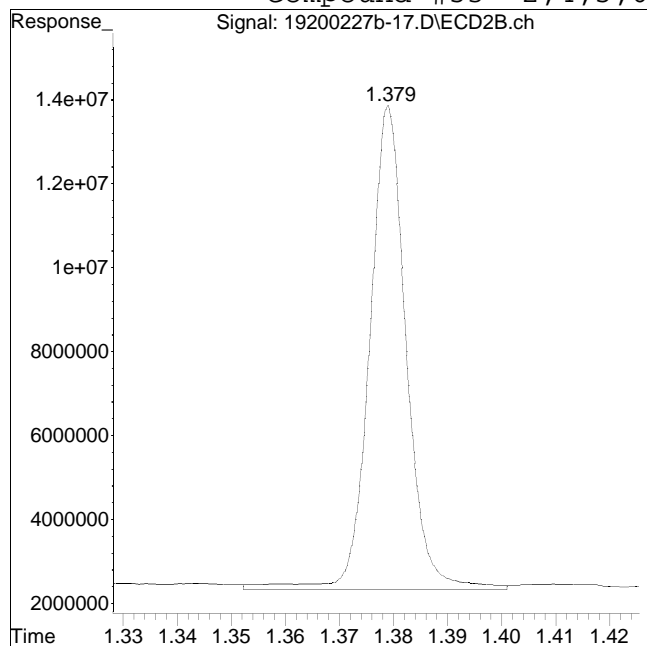
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 54809112

Manual Peak Response = 51399797 M4

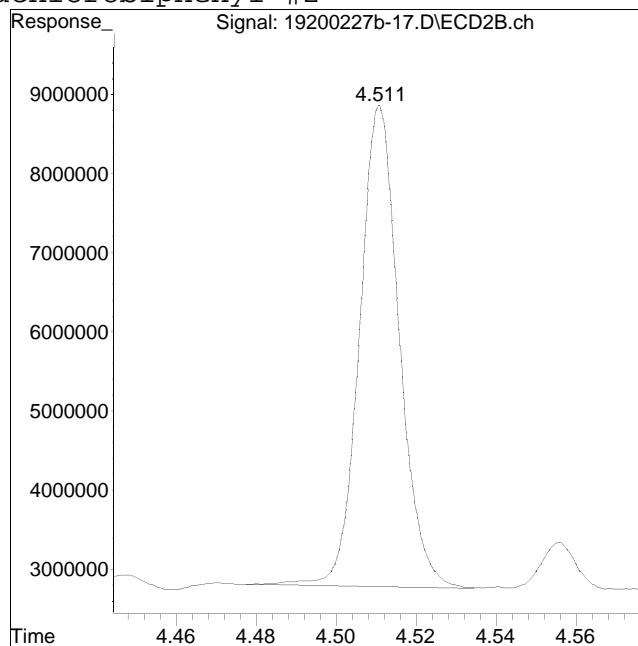
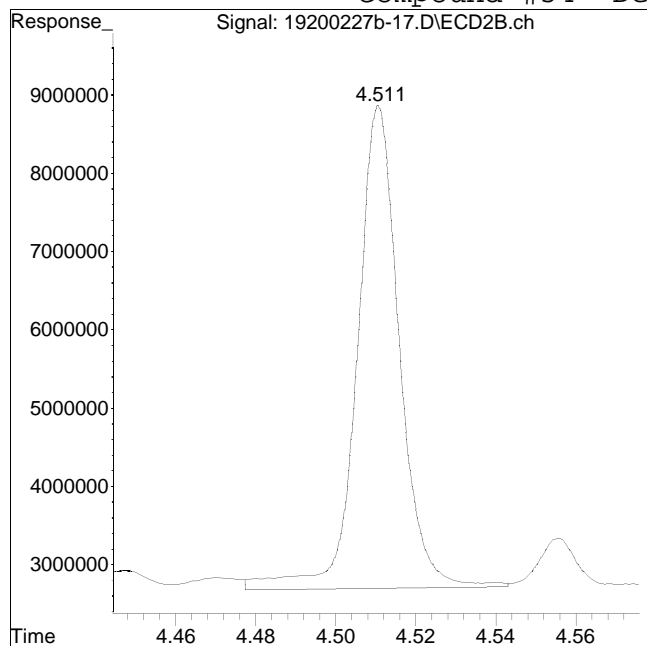
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 45390314

Manual Peak Response = 42138449 M4

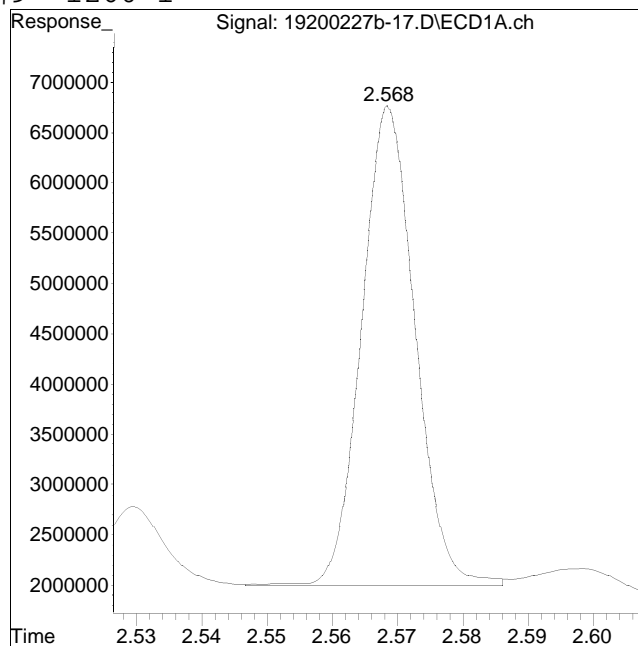
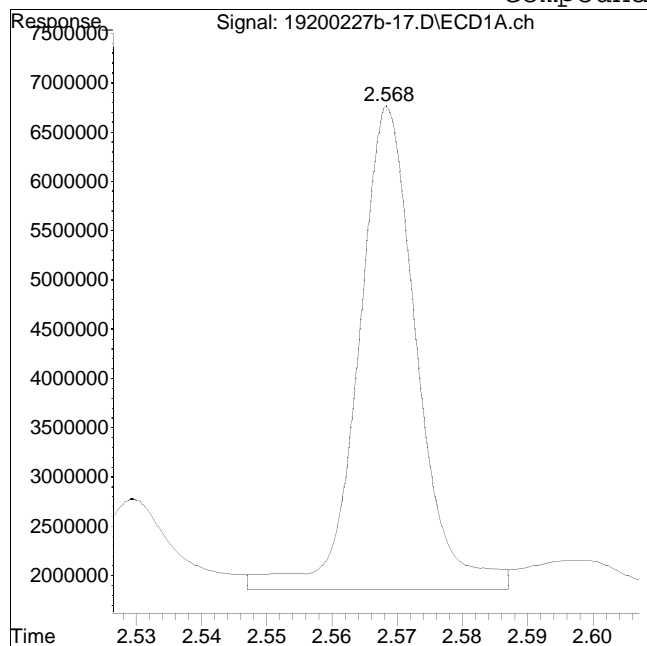
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #9: 1260-1



Original Peak Response = 30512589

Manual Peak Response = 27288037 M4

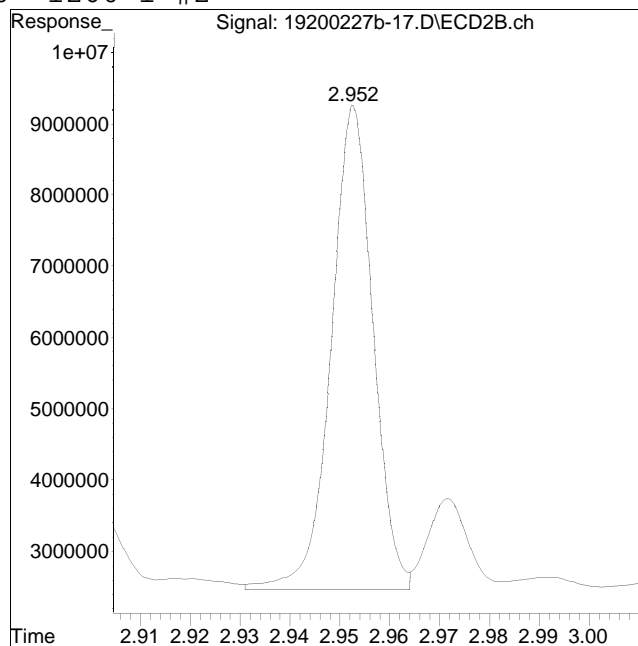
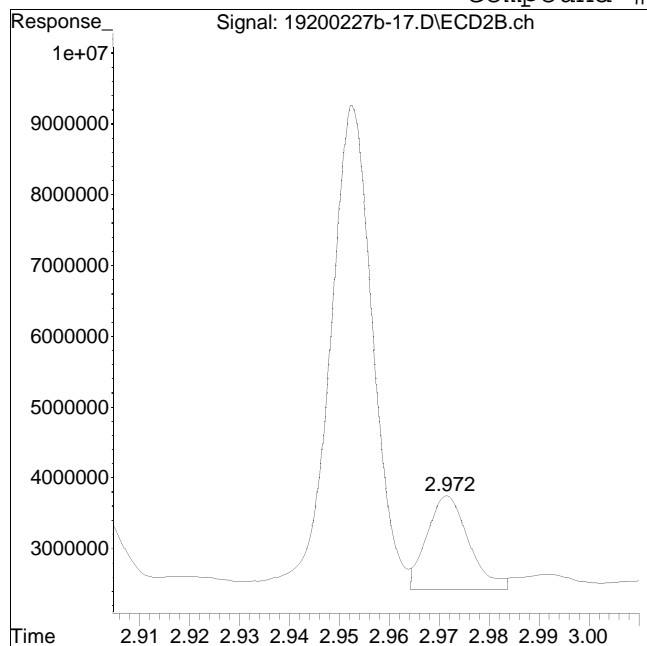
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #60: 1260-1 #2



Original Peak Response = 7829483

Manual Peak Response = 39561271 M3

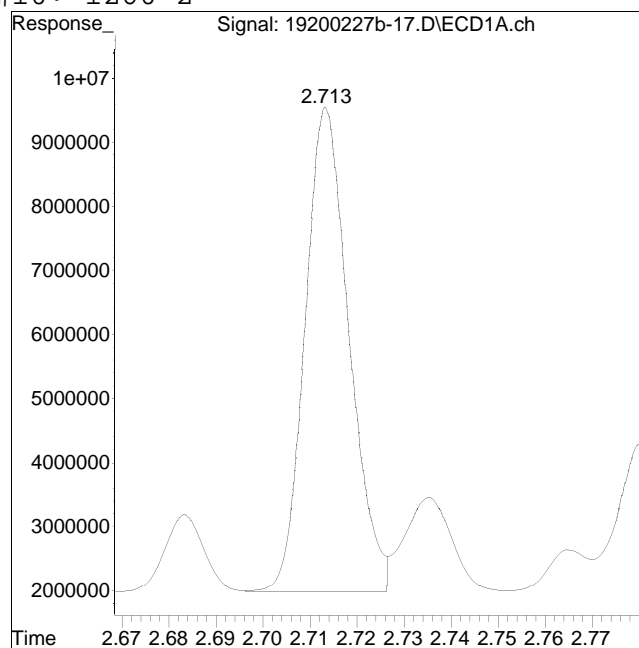
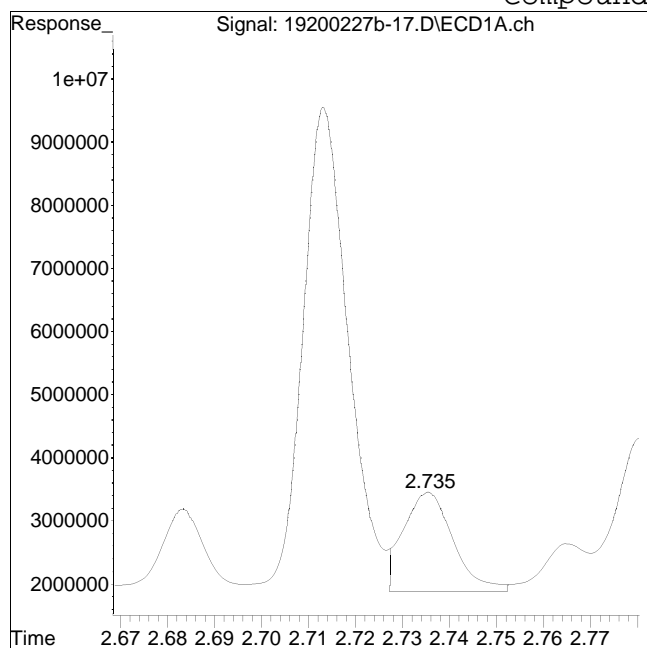
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #10: 1260-2



Original Peak Response = 11781581

Manual Peak Response = 49276960 M3

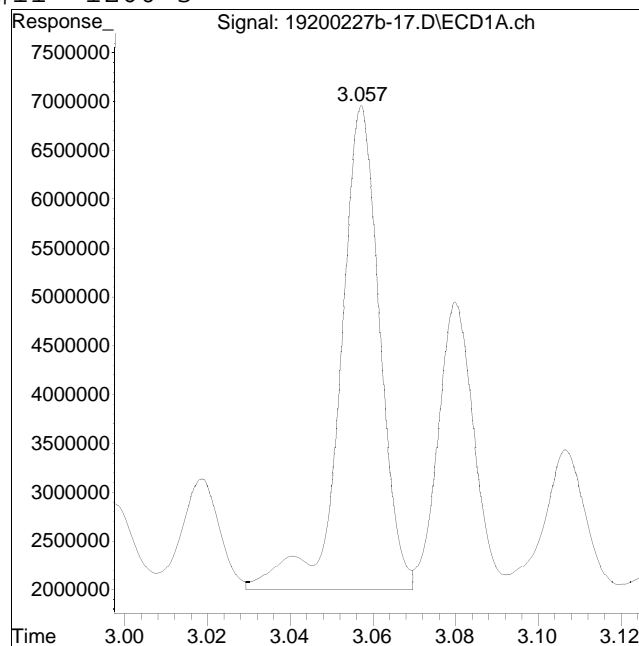
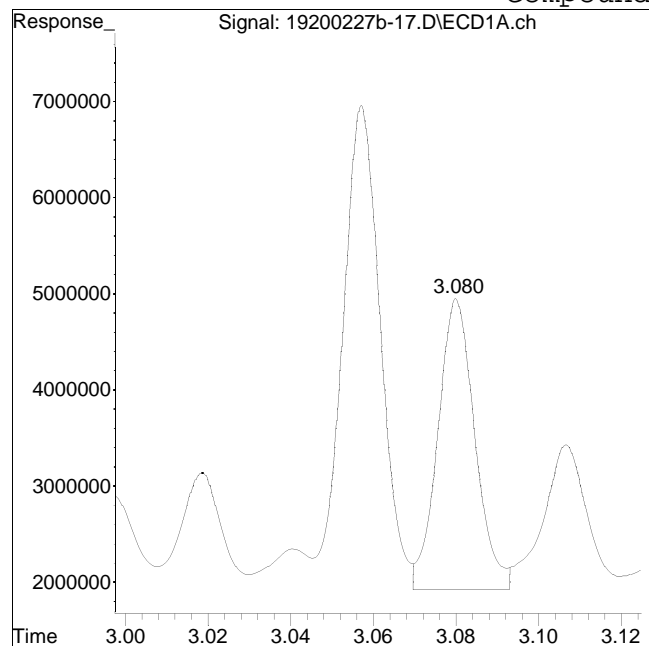
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #11: 1260-3



Original Peak Response = 18875351

Manual Peak Response = 33022018 M3

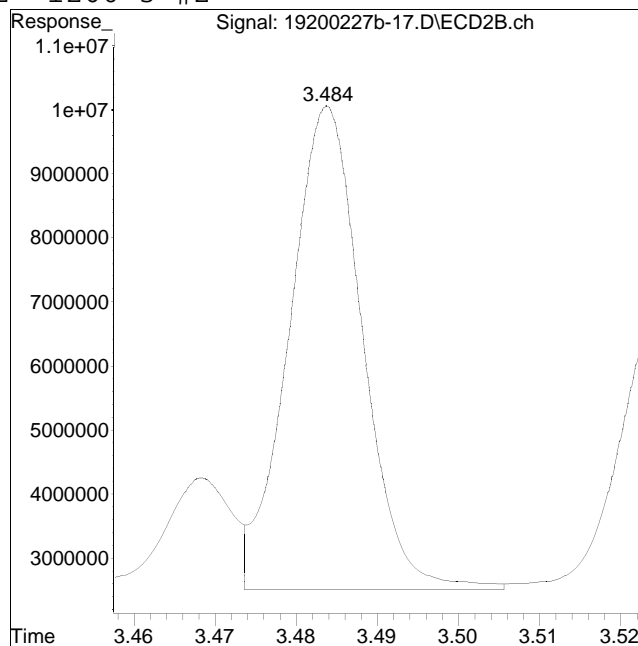
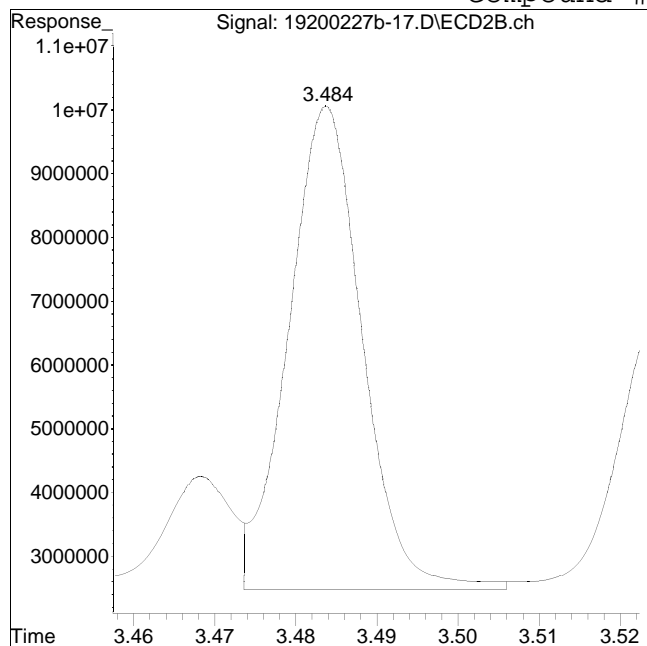
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #62: 1260-3 #2



Original Peak Response = 48347265

Manual Peak Response = 47413872 M4

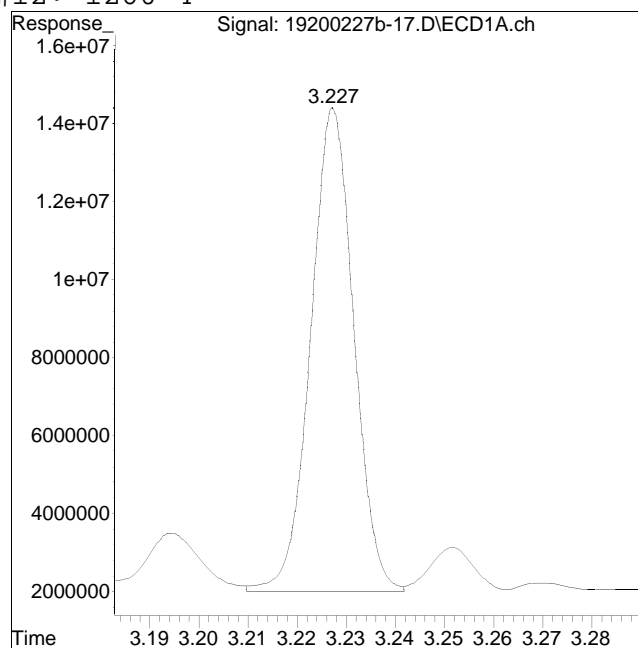
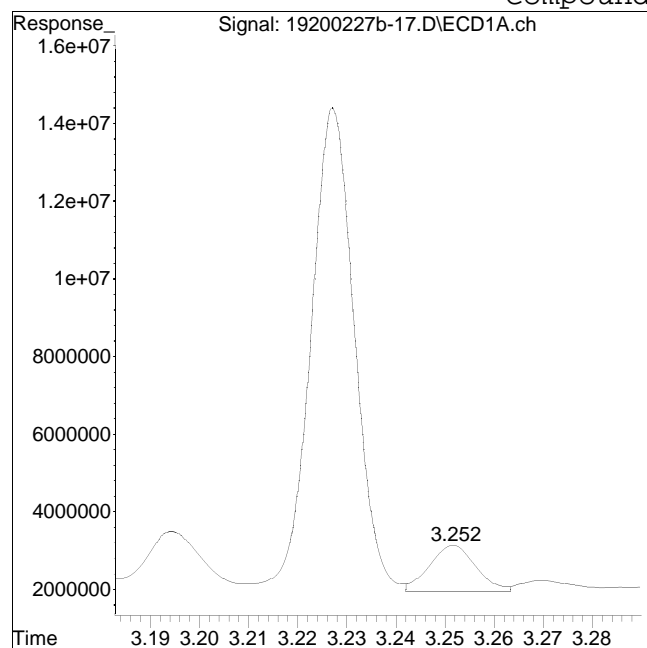
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #12: 1260-4



Original Peak Response = 7798103

Manual Peak Response = 75732858 M3

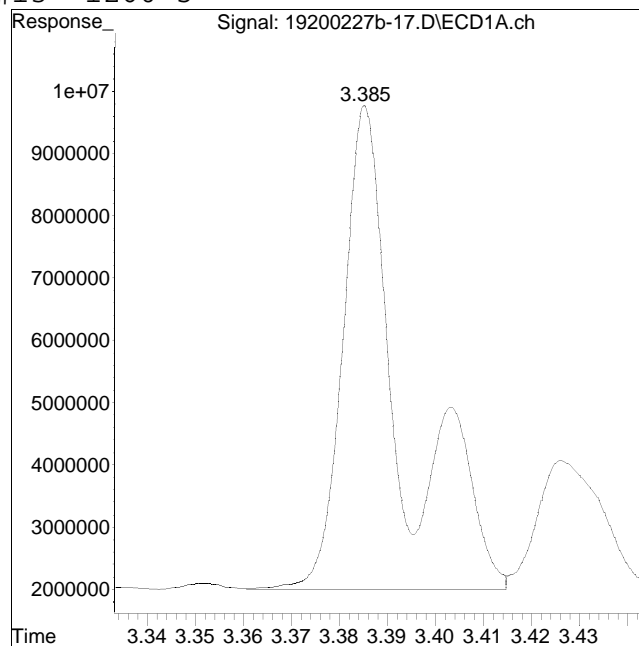
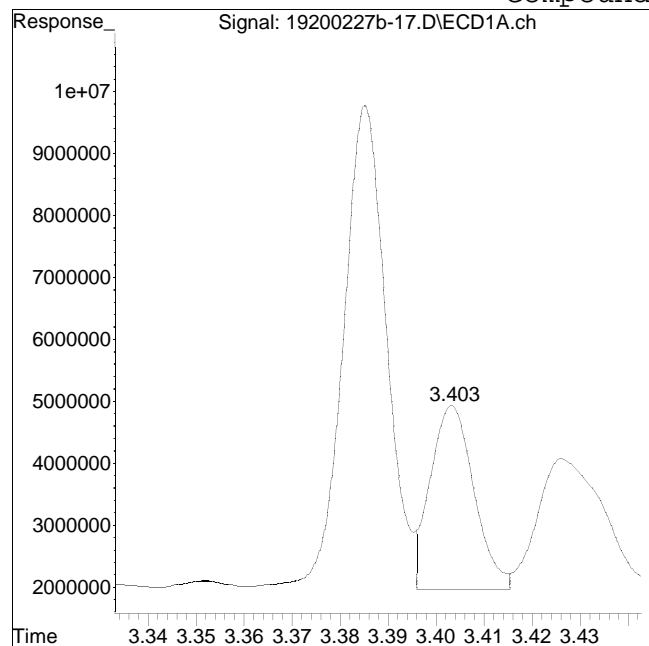
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #13: 1260-5



Original Peak Response = 19019306

Manual Peak Response = 66411709 M3

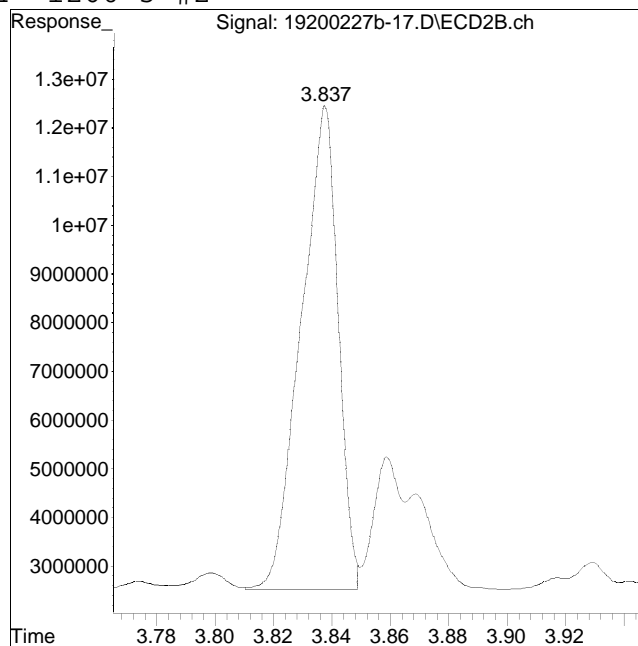
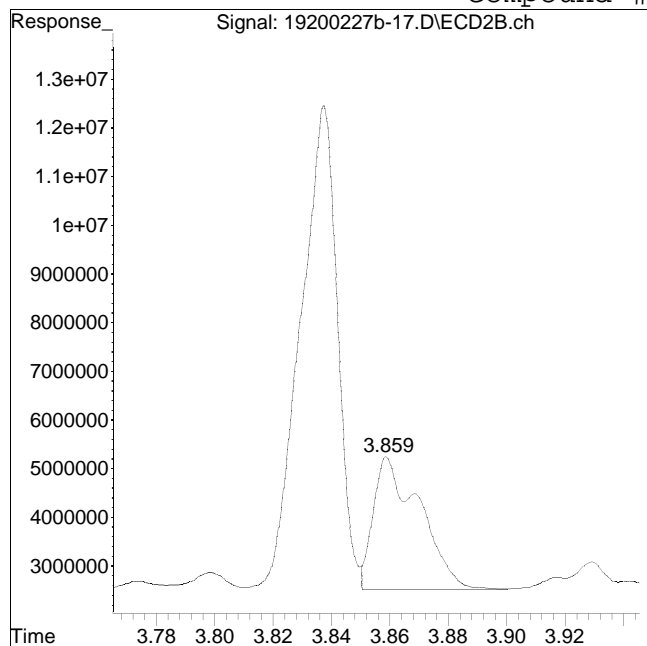
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-17.D
Date Inj'd : 2/27/2020 2:00 pm
Sample : 12008134-08,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #64: 1260-5 #2



Original Peak Response = 30420404

Manual Peak Response = 87228207 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:06 pm
 Operator : pest19:cw
 Sample : l2008134-09,42e,,
 Misc : wgl345020,wgl344386,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 16:01:53 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	0.993	1.035	29113030	43251601	250.000M4	250.000M4
	Standard Area 1 : #1 = 24432303					Recovery = 119.16%	
	Standard Area 1 : #2 = 36318149					Recovery = 119.09%	
14) i	2154_1br2nb	0.993	1.035	29113030	43251601	250.000M4	250.000M4
23) i	4268_1br2nb	0.993	1.035	29113030	43251601	250.000M4	250.000M4
34) i	1248_1br2nb	0.993	1.035	29113030	43251601	250.000M4	250.000M4
40) i	3262_1br2nb	0.993	1.035	29113030	43251601	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.249	1.379	46618284	67609772	306.847M4	306.055M4
	Spiked Amount 500.000 Range 30 - 150					Recovery = 61.37%	61.21%
3) s	Decachlorobi	4.004	4.510	34552050	50687501	283.521M3	272.027M4
	Spiked Amount 500.000 Range 30 - 150					Recovery = 56.70%	54.41%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	2.569	2.952	4839002	6755460	630.662	580.622M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:06 pm
 Operator : pest19:cw
 Sample : l2008134-09,42e,,
 Misc : wgl345020,wgl344386,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 16:01:53 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10)	12 1260-2	2.714	3.067	9178501	10254897	795.576	751.110M4
11)	12 1260-3	0.000	3.484	0	8994406	N.D. d	755.819M4
12)	12 1260-4	3.228	3.626	14508956	22212044	919.077	886.979M1
13)	12 1260-5	0.000	3.838	0	16889603	N.D. d	970.873M4
	Sum 1260-1			28526459	65106410	2345.315	3945.403 D
	Average 1260-1					781.772	789.081
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:06 pm
 Operator : pest19:cw
 Sample : l2008134-09,42e,,
 Misc : wgl1345020,wgl1344386,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 16:01:53 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:06 pm
 Operator : pest19:cw
 Sample : l2008134-09,42e,,
 Misc : wgl1345020,wgl1344386,ical16321
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 16:01:53 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

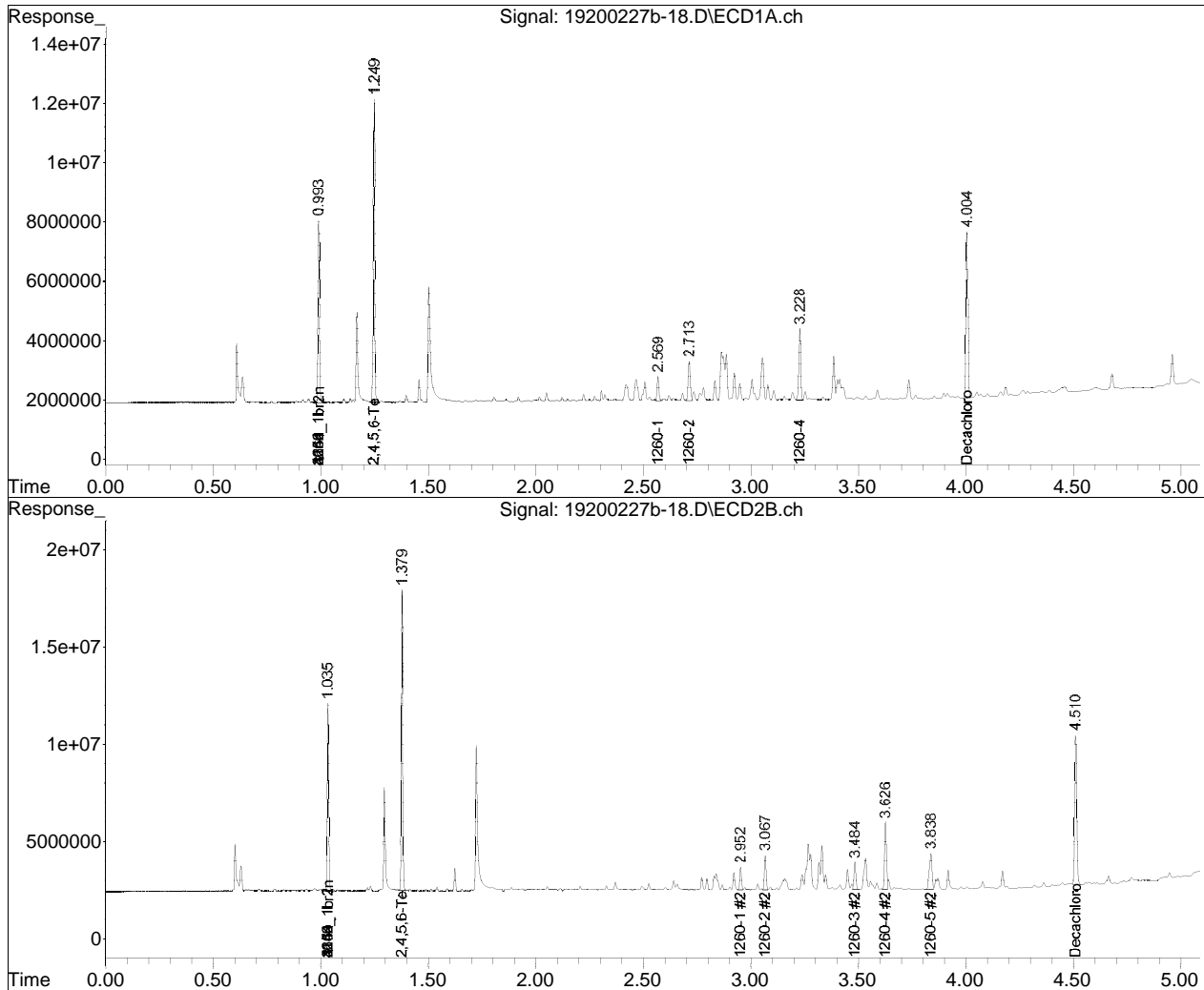
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-04.D••d)

Data Path : I:\Pest19\200227b\
Data File : 19200227b-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2020 02:06 pm
Operator : pest19:cw
Sample : l2008134-09,42e,,
Misc : wg1345020,wg1344386,ical16321
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 01 16:01:53 2020
Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

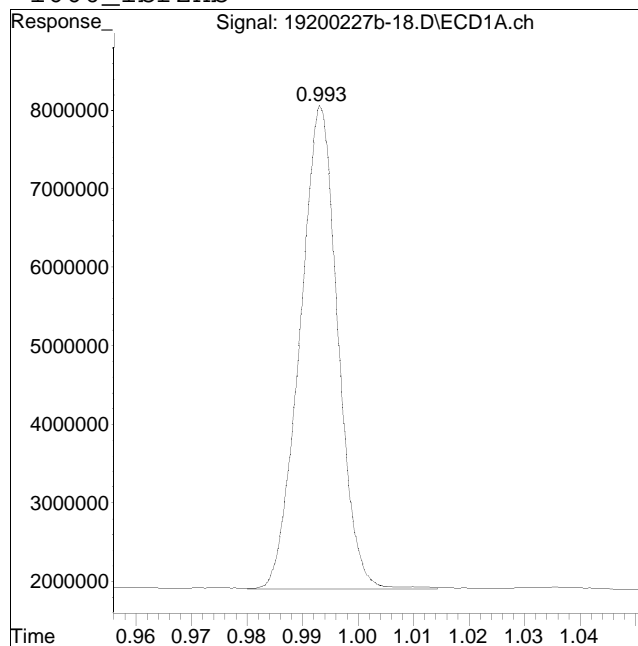
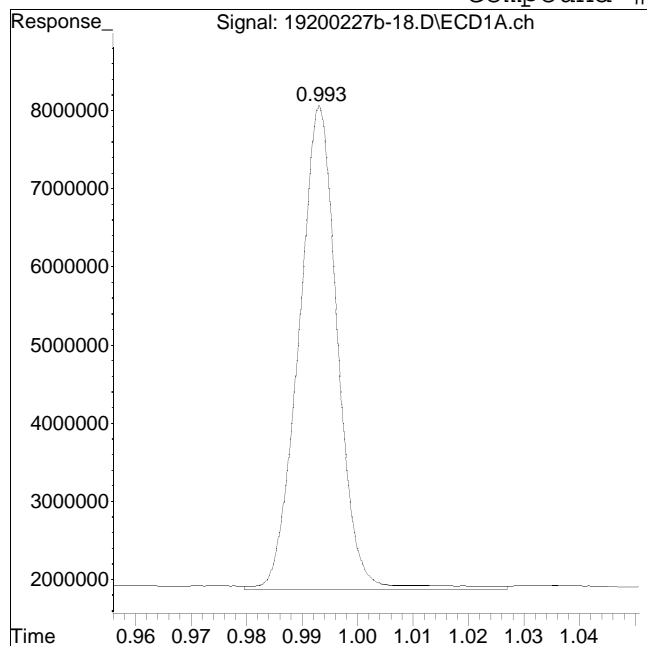


Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-18.D
Date Inj'd : 2/27/2020 2:06 pm
Sample : 12008134-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #1: 1660_1br2nb



Original Peak Response = 30214078

Manual Peak Response = 29113030 M4

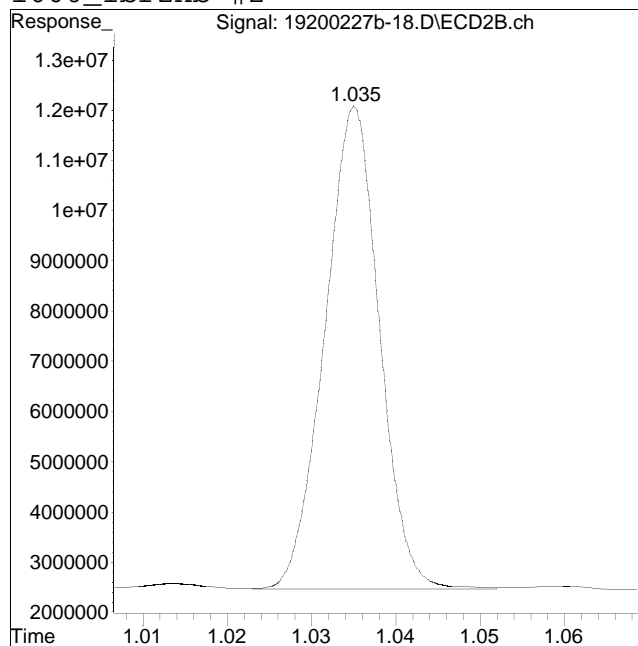
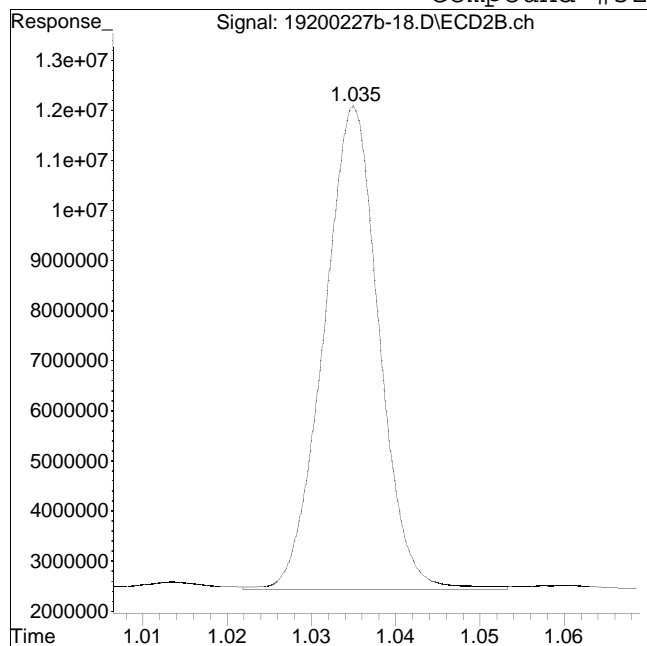
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-18.D
Date Inj'd : 2/27/2020 2:06 pm
Sample : 12008134-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 44041804

Manual Peak Response = 43251601 M4

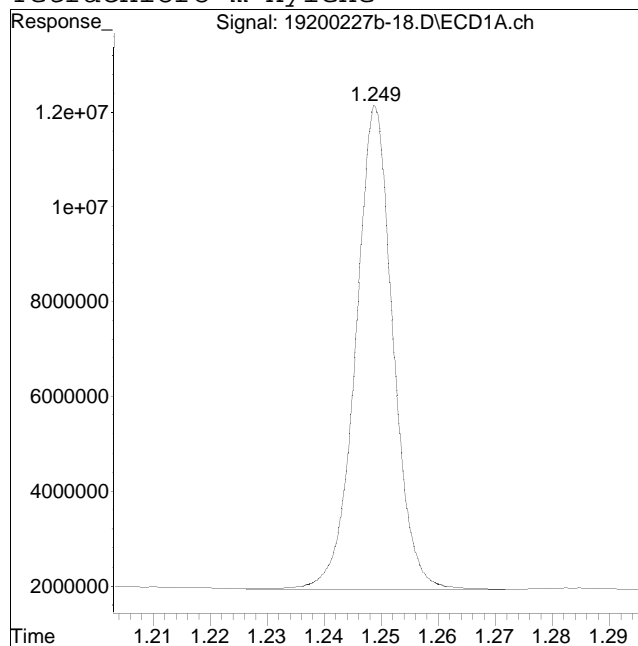
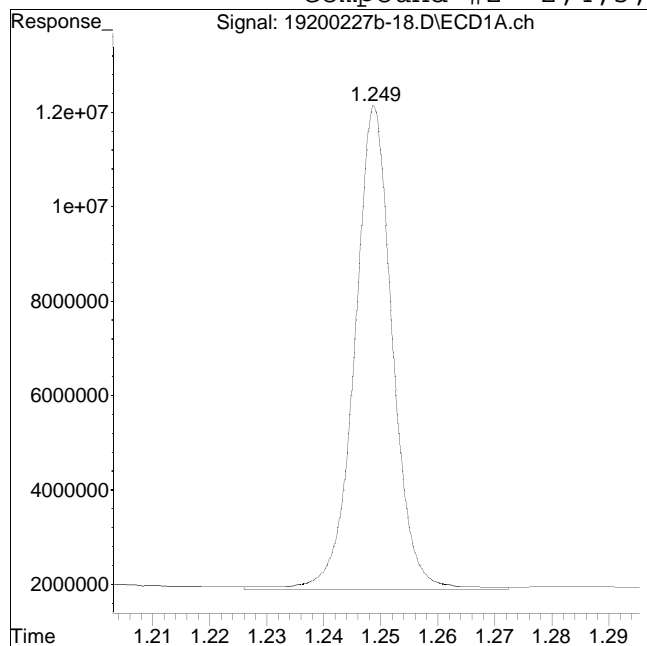
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-18.D
Date Inj'd : 2/27/2020 2:06 pm
Sample : 12008134-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 47595427

Manual Peak Response = 46618284 M4

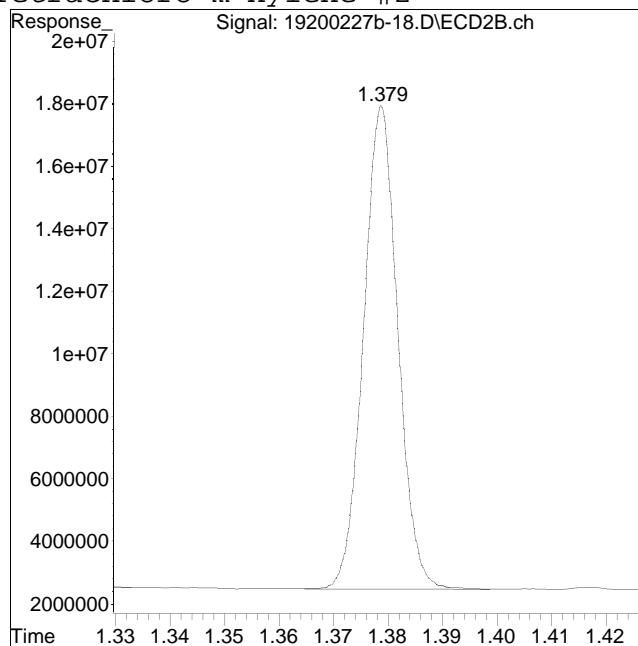
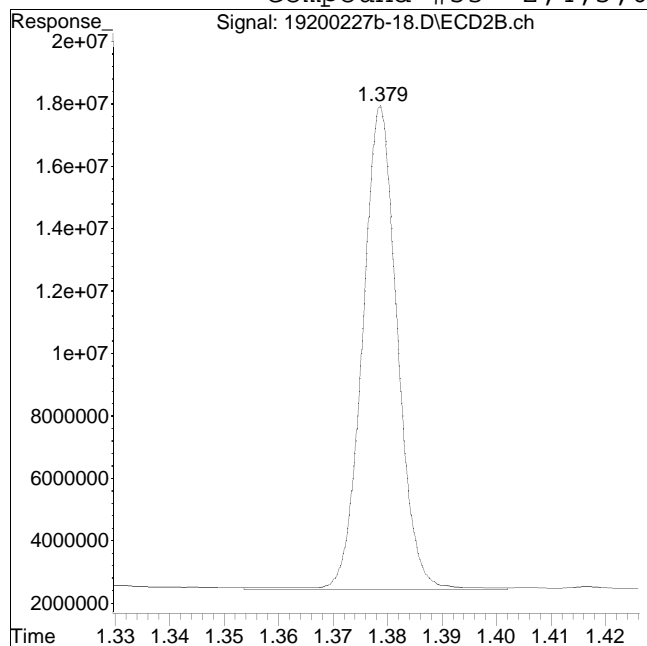
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-18.D
Date Inj'd : 2/27/2020 2:06 pm
Sample : 12008134-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 69210830

Manual Peak Response = 67609772 M4

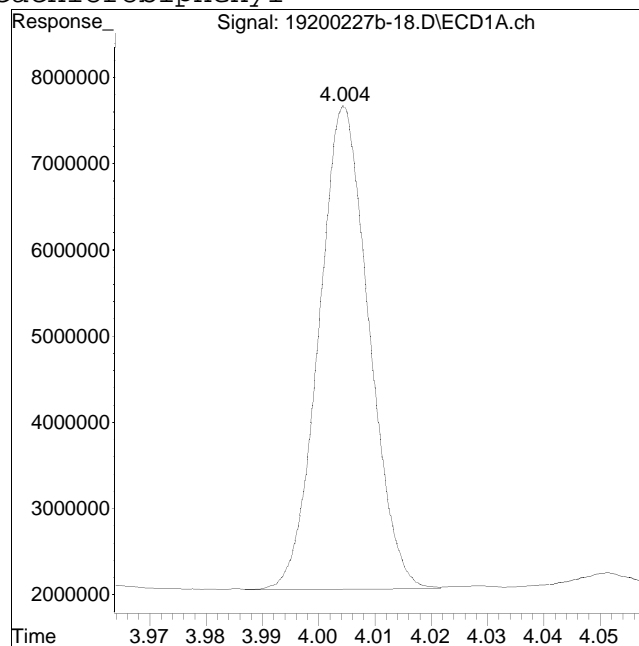
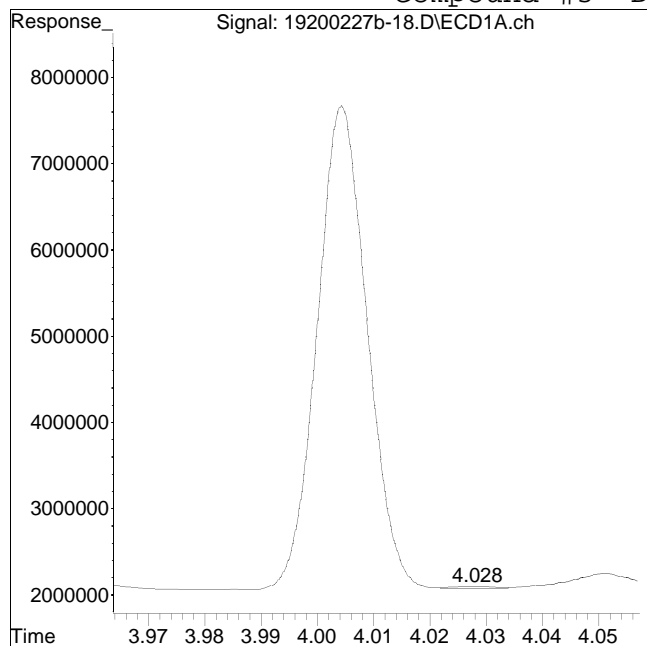
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-18.D
Date Inj'd : 2/27/2020 2:06 pm
Sample : 12008134-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 116625

Manual Peak Response = 34552050 M3

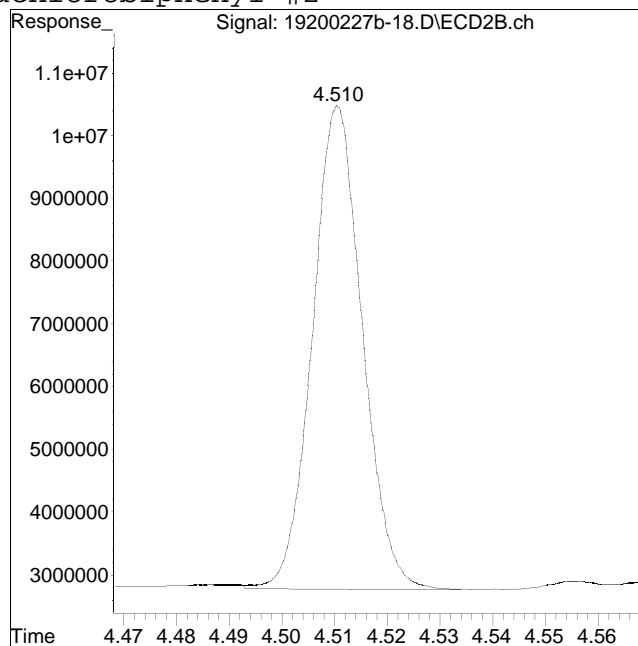
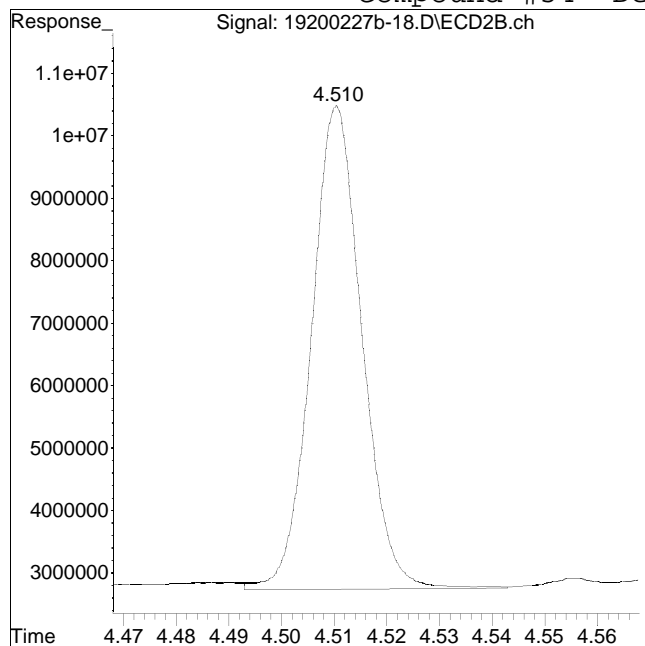
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-18.D
Date Inj'd : 2/27/2020 2:06 pm
Sample : 12008134-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 51689291

Manual Peak Response = 50687501 M4

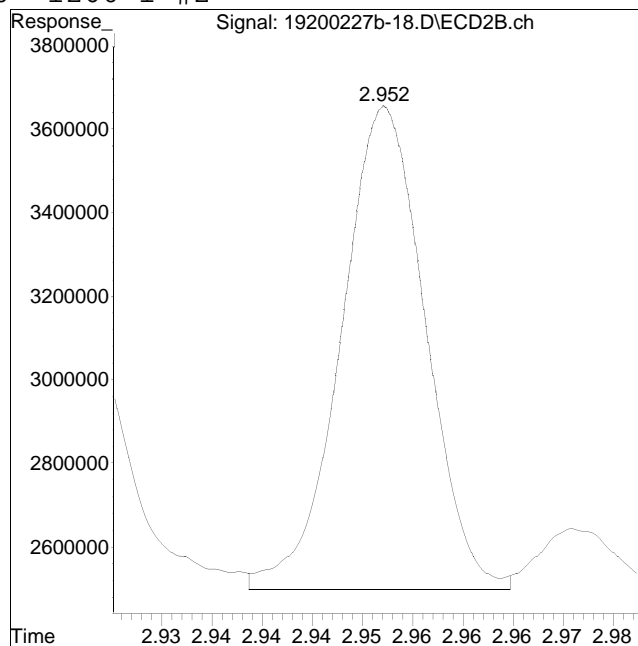
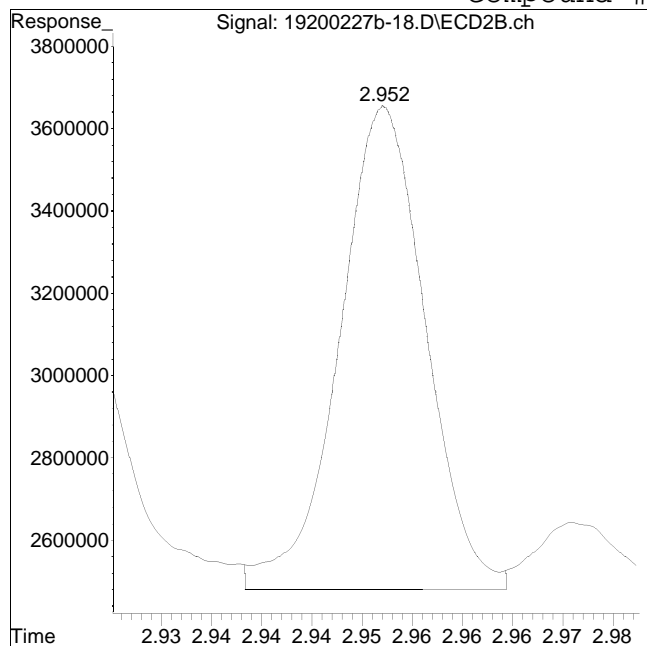
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-18.D
Date Inj'd : 2/27/2020 2:06 pm
Sample : 12008134-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #60: 1260-1 #2



Original Peak Response = 7040239

Manual Peak Response = 6755460 M4

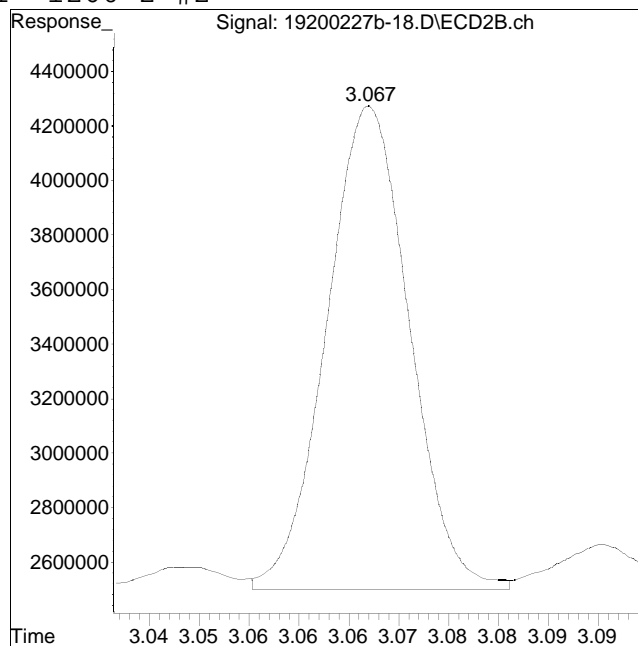
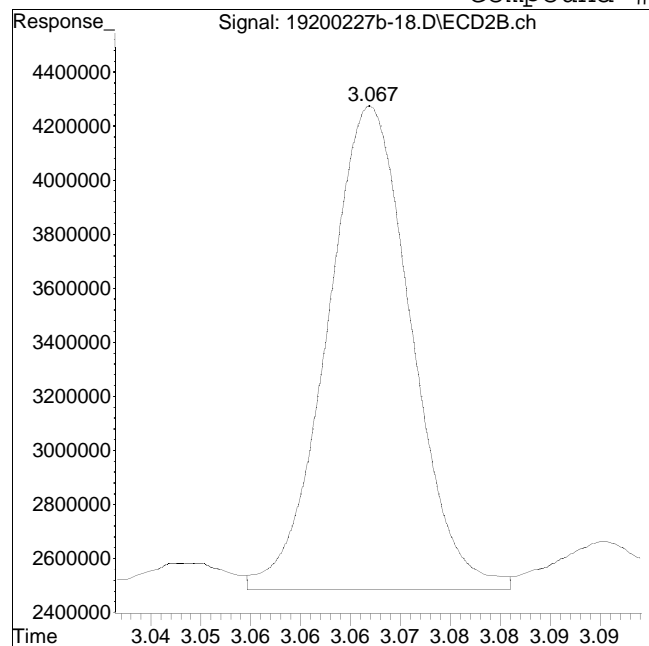
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-18.D
Date Inj'd : 2/27/2020 2:06 pm
Sample : 12008134-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #61: 1260-2 #2



Original Peak Response = 10486996

Manual Peak Response = 10254897 M4

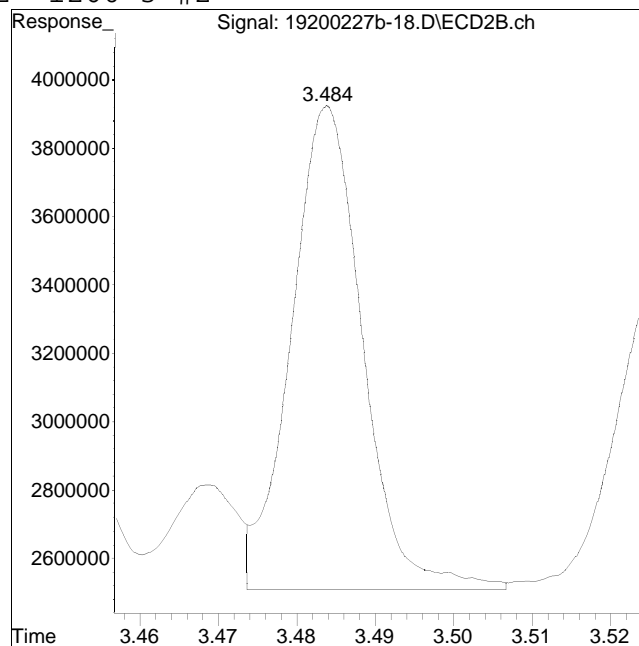
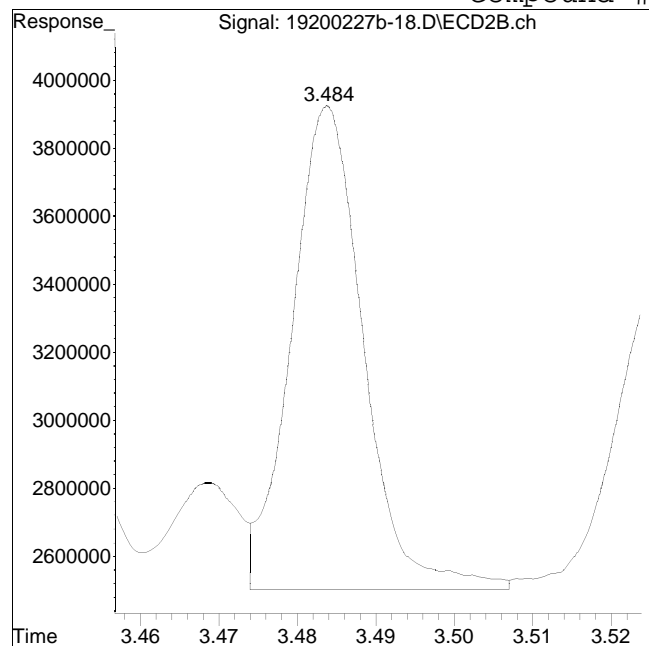
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-18.D
Date Inj'd : 2/27/2020 2:06 pm
Sample : 12008134-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #62: 1260-3 #2



Original Peak Response = 9130697

Manual Peak Response = 8994406 M4

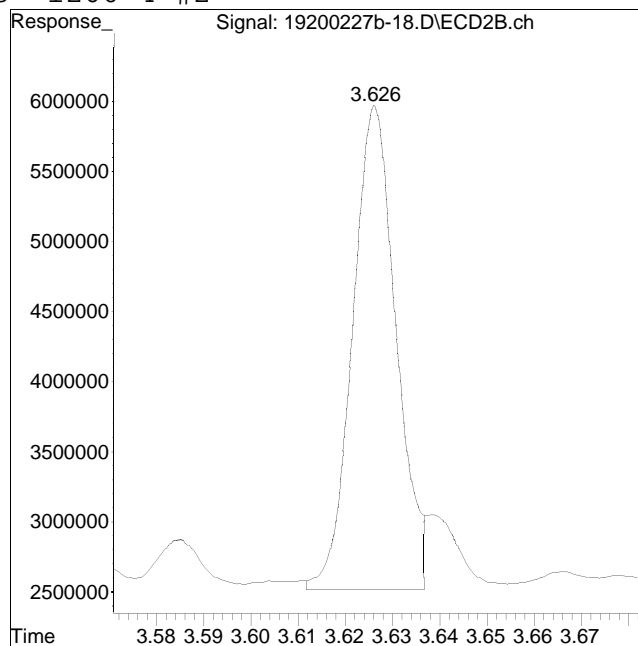
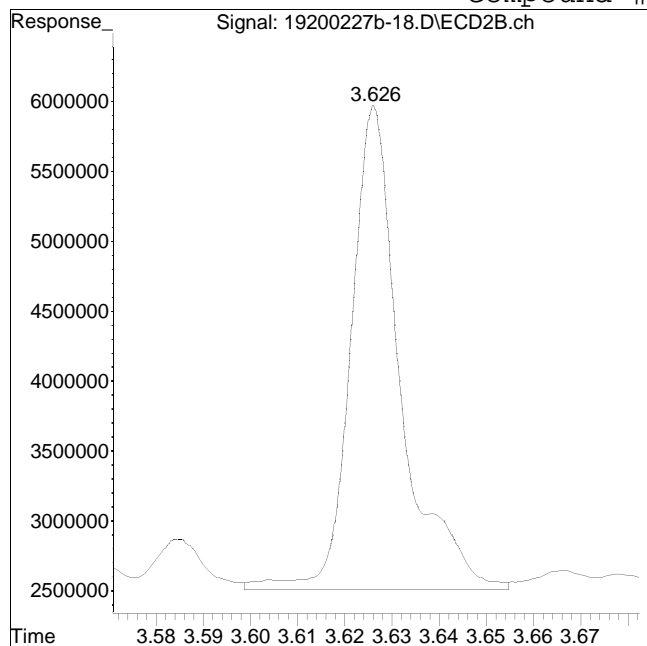
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-18.D
Date Inj'd : 2/27/2020 2:06 pm
Sample : 12008134-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #63: 1260-4 #2



Original Peak Response = 25476332

Manual Peak Response = 22212044 M1

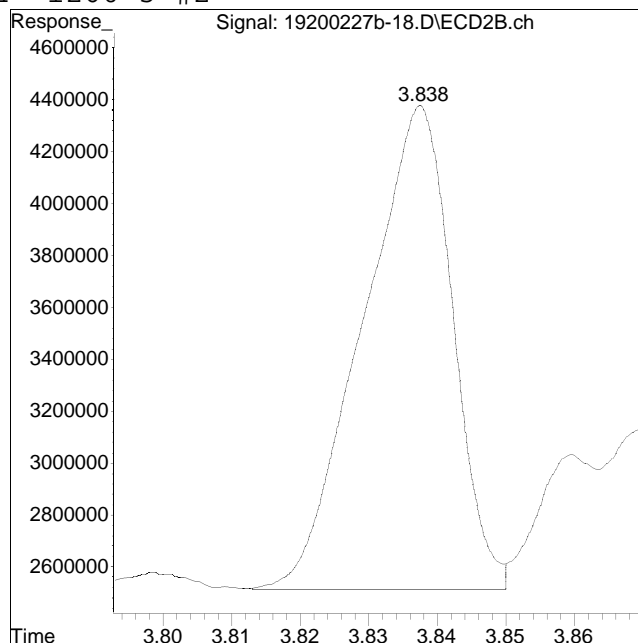
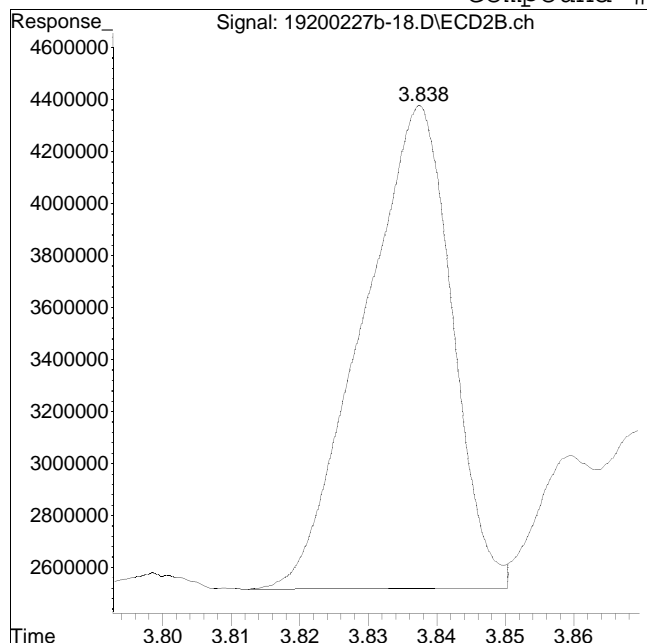
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-18.D
Date Inj'd : 2/27/2020 2:06 pm
Sample : 12008134-09,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #64: 1260-5 #2



Original Peak Response = 16685978

Manual Peak Response = 16889603 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:13 pm
 Operator : pest19:cw
 Sample : l2008134-11,42e,,
 Misc : wgl345020,wgl344386,ical16321
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 16:04:11 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.993	1.035	27774024	41783558	250.000M4	250.000M4
Standard Area 1 : #1 = 24432303				Recovery =	113.68%	
Standard Area 1 : #2 = 36318149				Recovery =	115.05%	
14) i 2154_1br2nb	0.993	1.035	27774024	41783558	250.000M4	250.000M4
23) i 4268_1br2nb	0.993	1.035	27774024	41783558	250.000M4	250.000M4
34) i 1248_1br2nb	0.993	1.035	27774024	41783558	250.000M4	250.000M4
40) i 3262_1br2nb	0.993	1.035	27774024	41783558	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.249	1.379	43896479	63038296	302.862M4	295.387M4
Spiked Amount 500.000 Range 30 - 150				Recovery =	60.57% 59.08%	
3) s Decachlorobi	4.005	4.511	33560713	46622742	288.663	259.003M4
Spiked Amount 500.000 Range 30 - 150				Recovery =	57.73% 51.80%	
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.569	2.953	29164105	41501830	3984.173M4	3692.346M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:13 pm
 Operator : pest19:cw
 Sample : l2008134-11,42e,,
 Misc : wgl345020,wgl344386,ical16321
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 16:04:11 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12	1260-2	2.714	3.068	61441399	74472165	5582.383M4	5646.286M4
11) 12	1260-3	3.058	3.485	36794152	52439507	5137.175M4	4561.427
12) 12	1260-4	3.228	3.627	91587290	135.3E6	6081.341M4	5594.237M1
13) 12	1260-5	3.386	3.838	79924108	109.5E6	7344.329M3	6515.125
	Sum 1260-1			298.9E6	413.2E6	28129.401	26009.421
	Average 1260-1					5625.880	5201.884
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:13 pm
 Operator : pest19:cw
 Sample : l2008134-11,42e,,
 Misc : wgl345020,wgl344386,ical16321
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 16:04:11 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:13 pm
 Operator : pest19:cw
 Sample : 12008134-11,42e,,
 Misc : wgl1345020,wgl1344386,ical16321
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 16:04:11 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

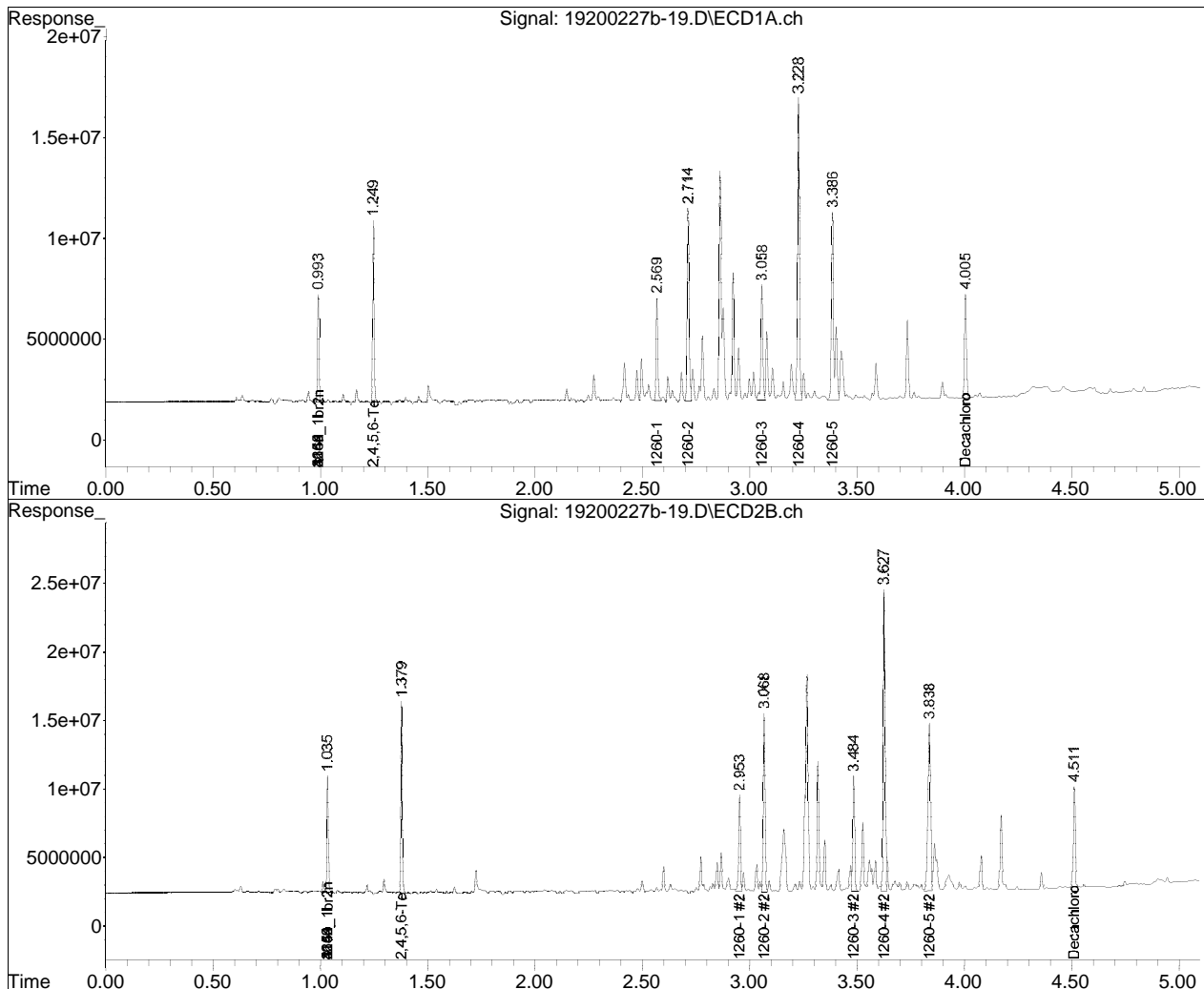
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-04.D••d)

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2020 02:13 pm
Operator : pest19:cw
Sample : l2008134-11,42e,,
Misc : wg1345020,wg1344386,ical16321
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 01 16:04:11 2020
Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

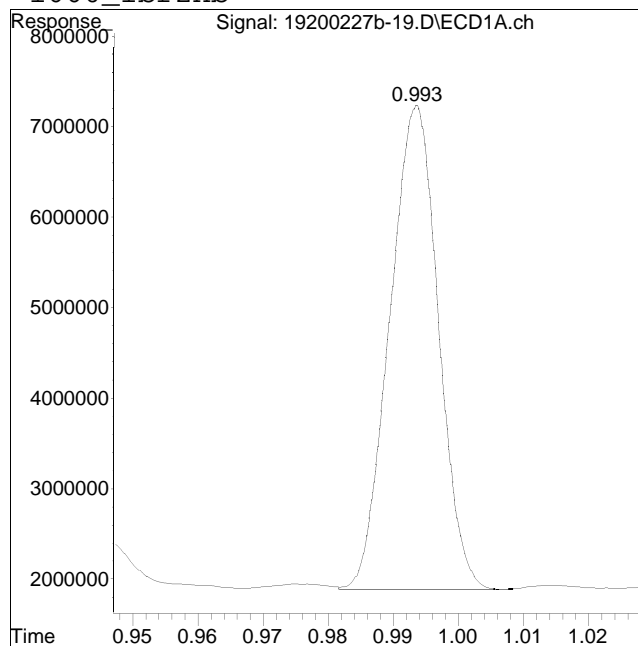
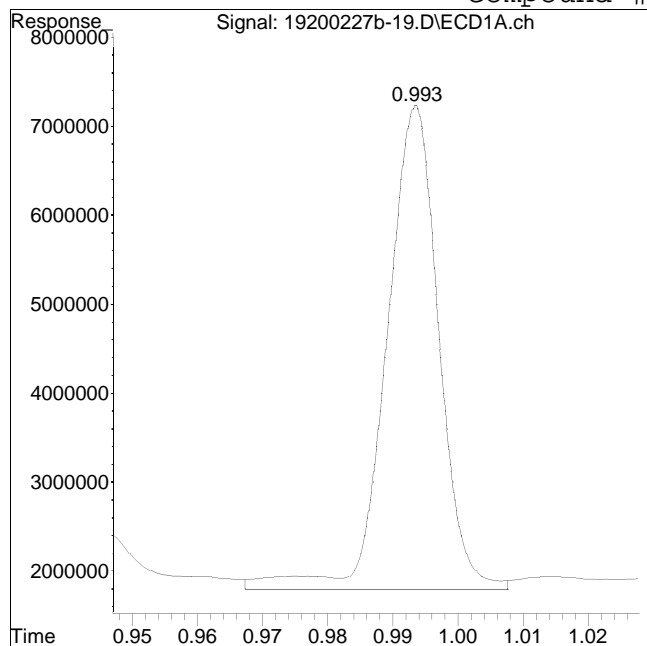


Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #1: 1660_1br2nb



Original Peak Response = 30376957

Manual Peak Response = 27774024 M4

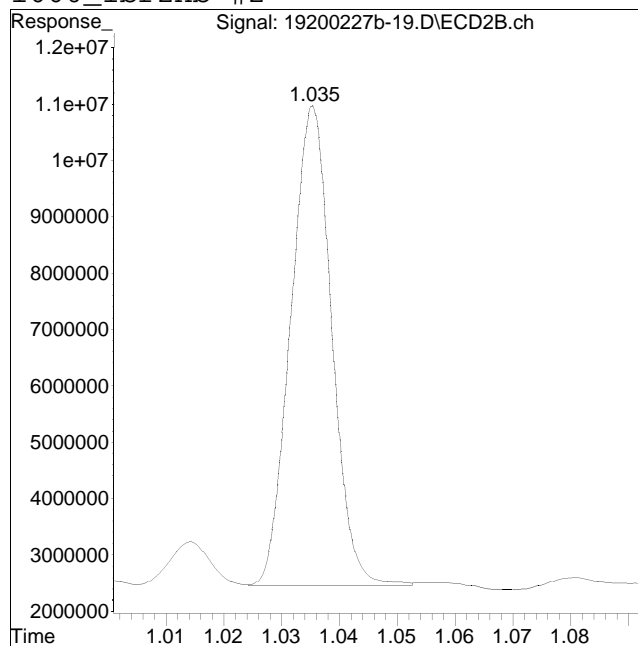
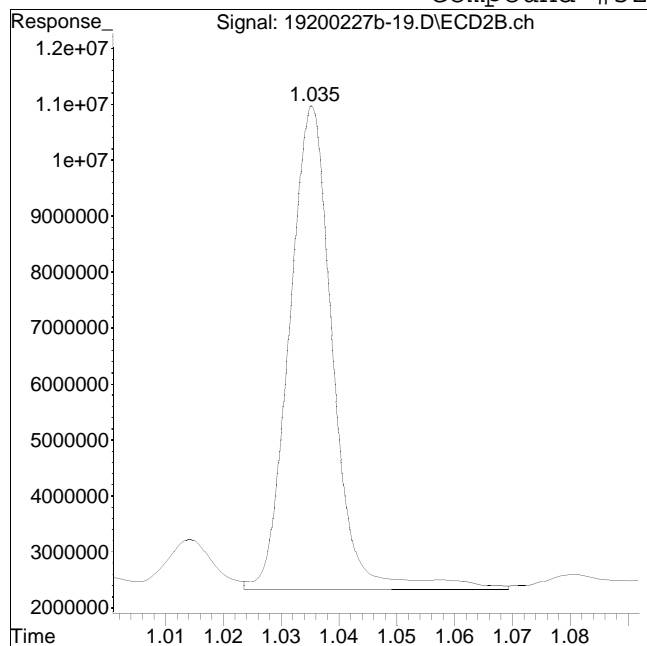
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 45375672

Manual Peak Response = 41783558 M4

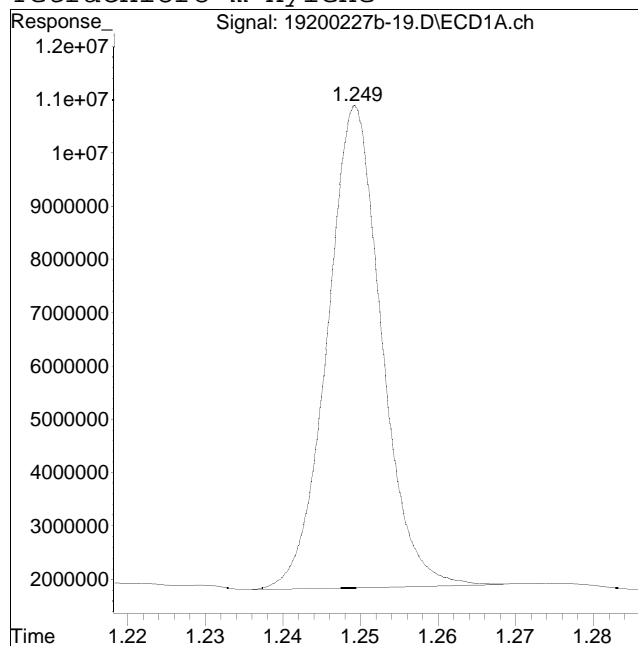
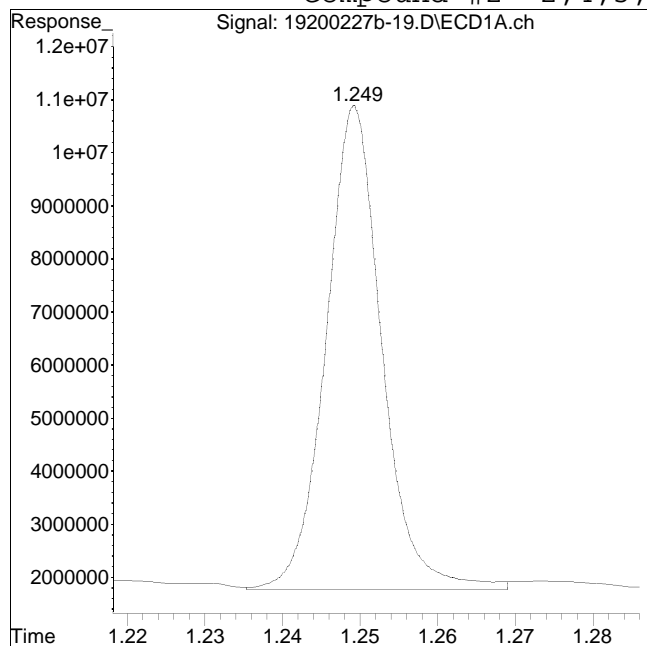
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 45662678

Manual Peak Response = 43896479 M4

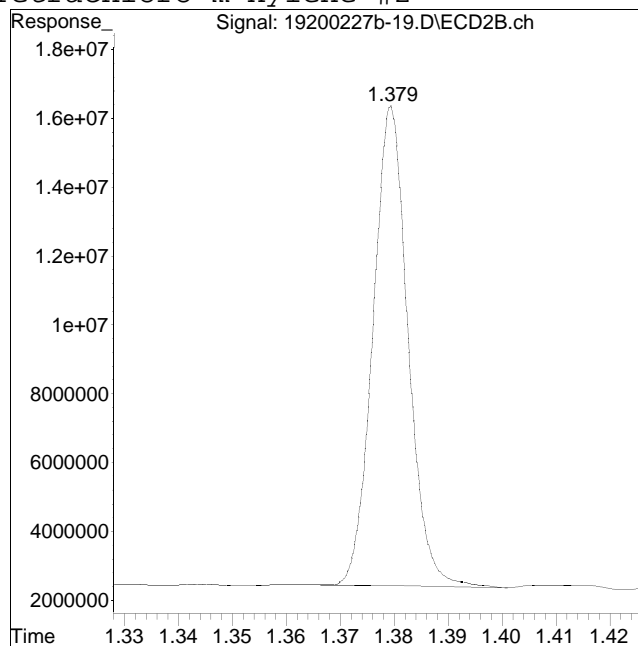
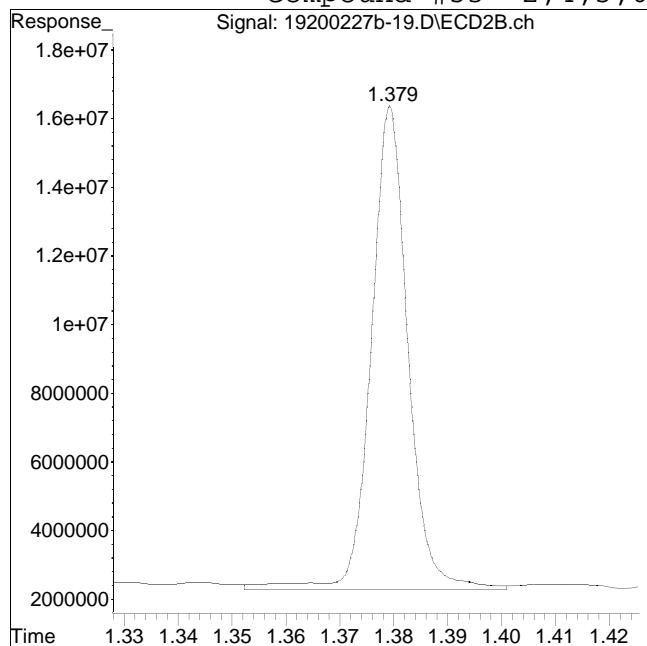
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 67524168

Manual Peak Response = 63038296 M4

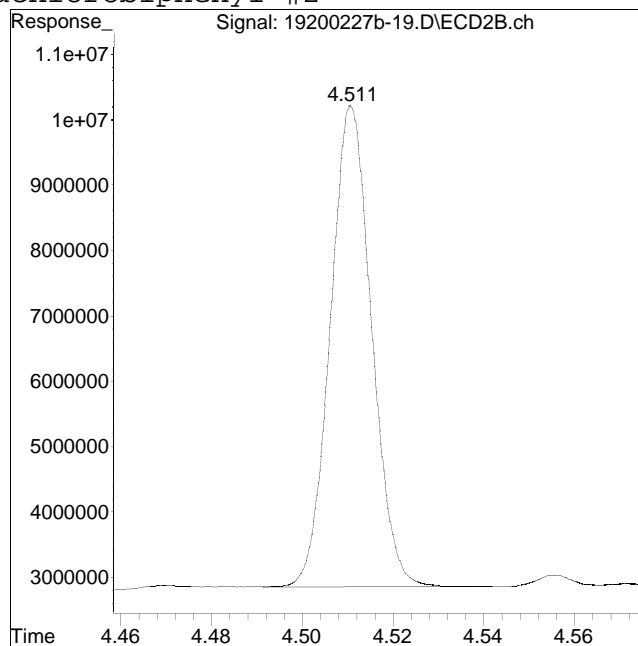
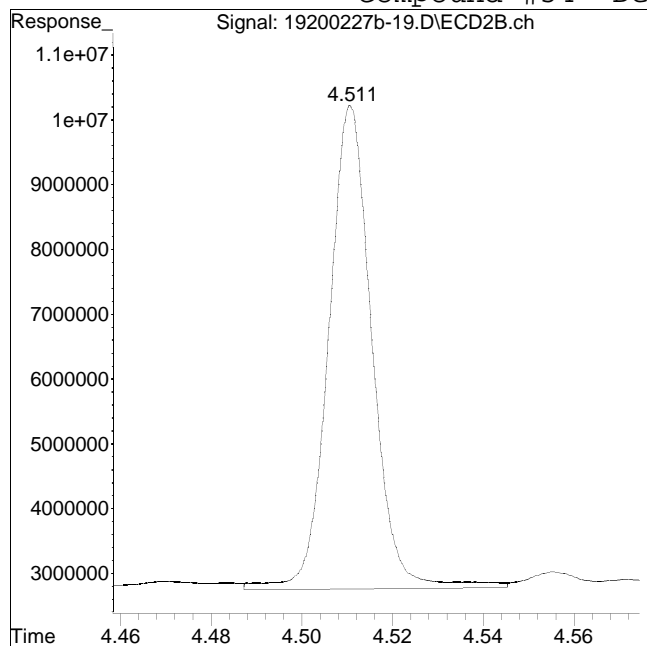
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 49782998

Manual Peak Response = 46622742 M4

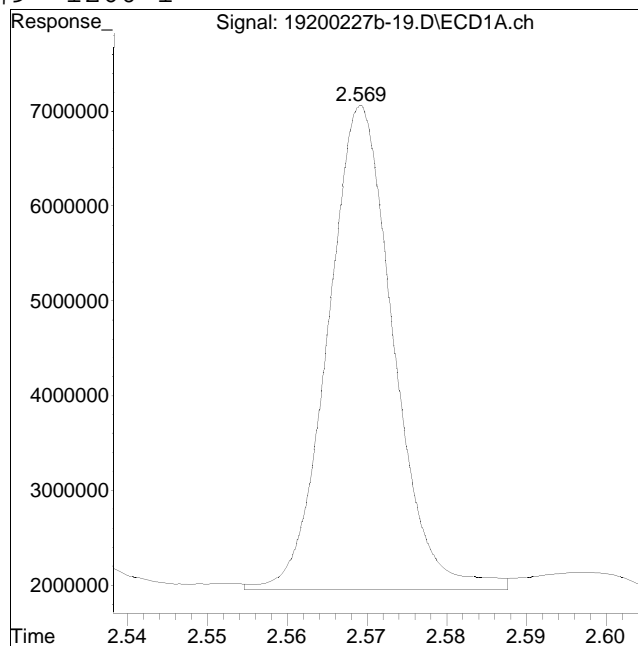
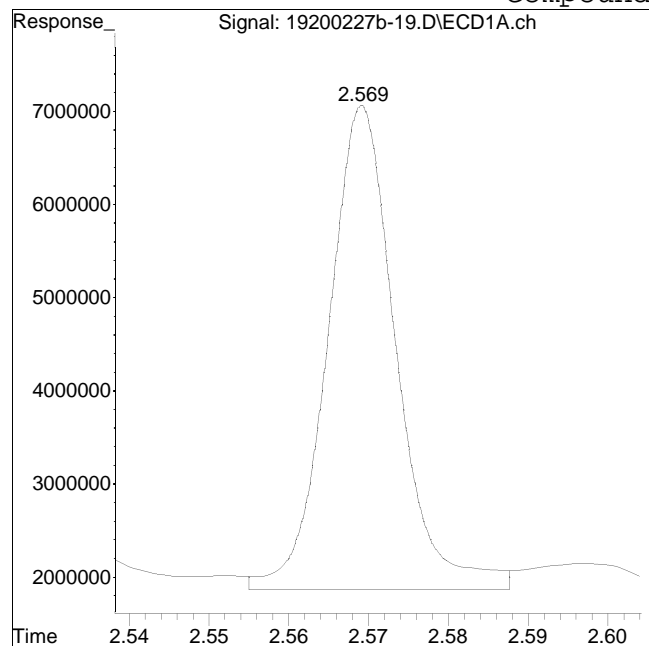
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #9: 1260-1



Original Peak Response = 30834173

Manual Peak Response = 29164105 M4

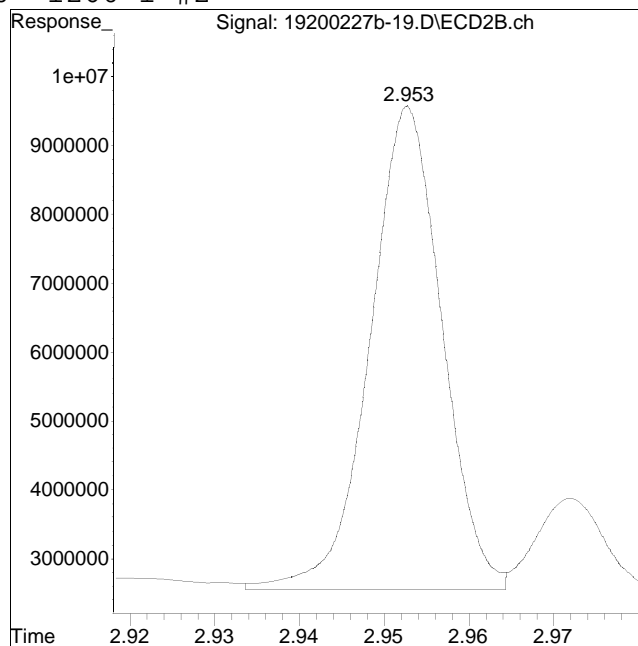
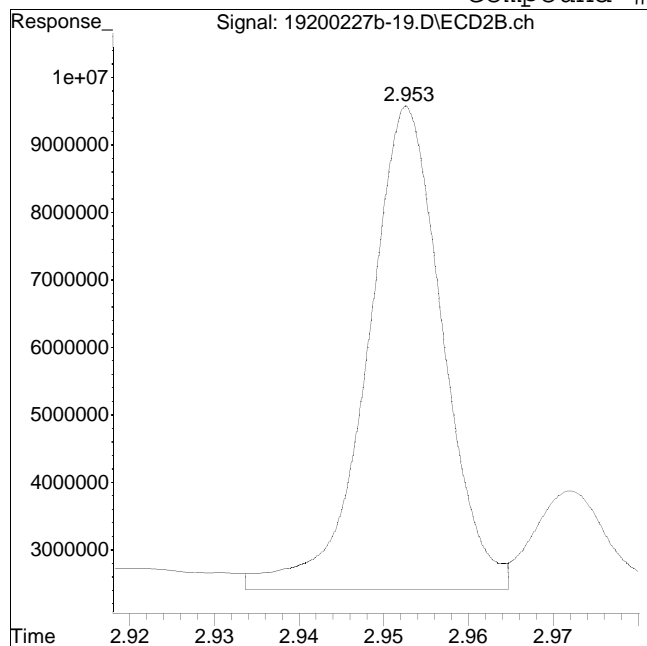
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #60: 1260-1 #2



Original Peak Response = 44082854

Manual Peak Response = 41501830 M4

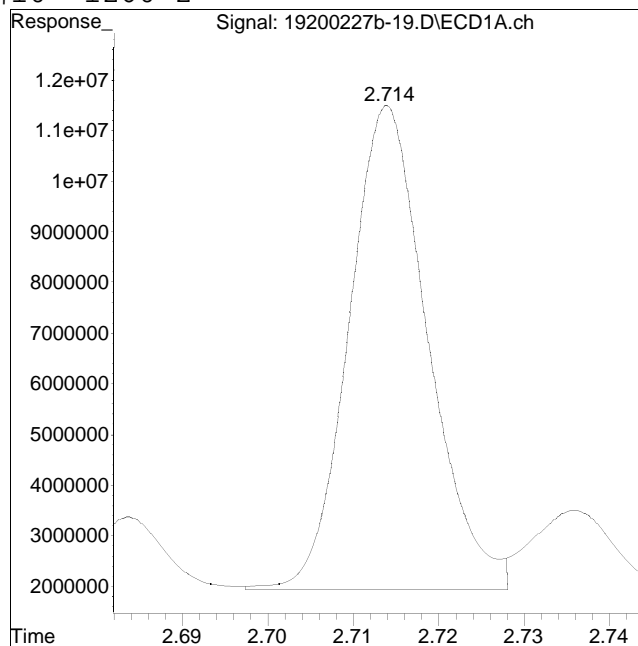
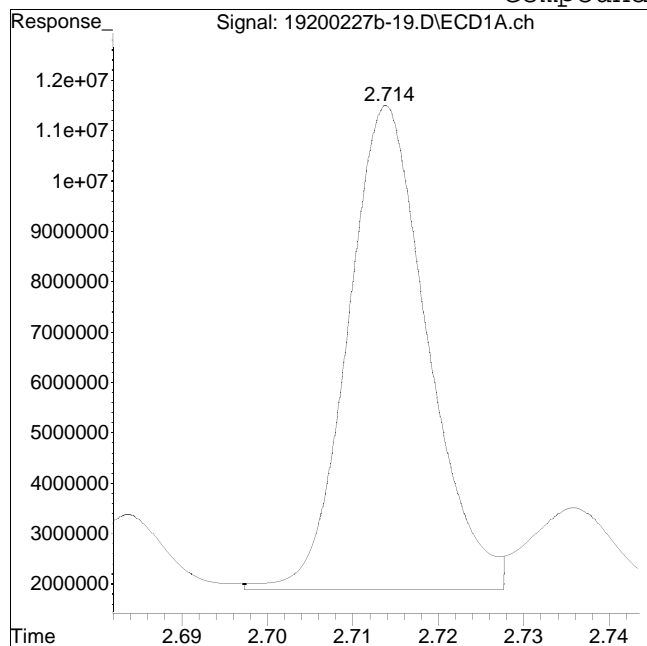
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #10: 1260-2



Original Peak Response = 62087138

Manual Peak Response = 61441399 M4

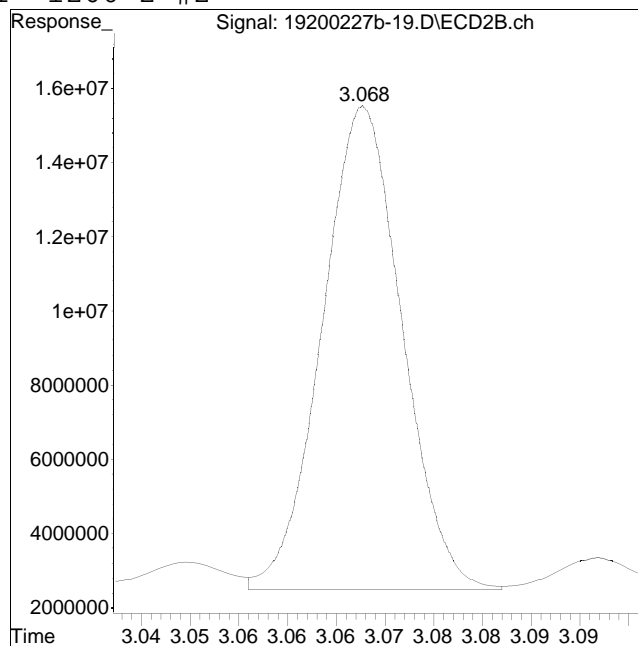
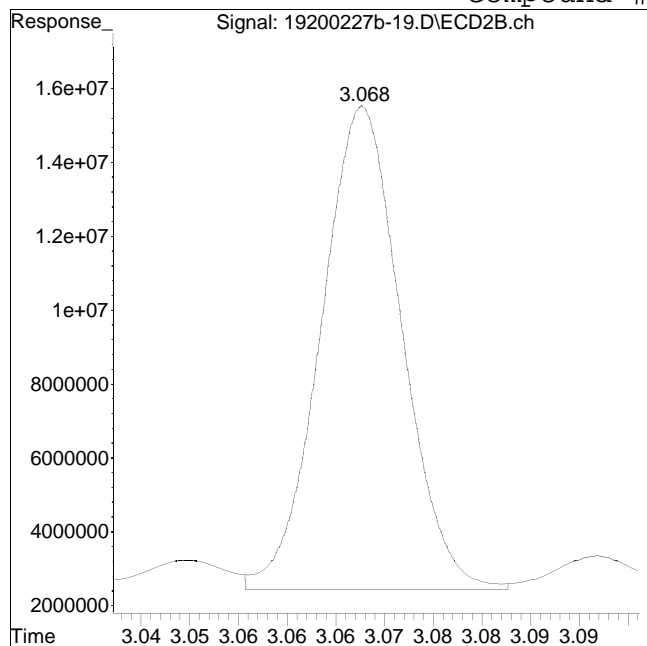
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #61: 1260-2 #2



Original Peak Response = 75622941

Manual Peak Response = 74472165 M4

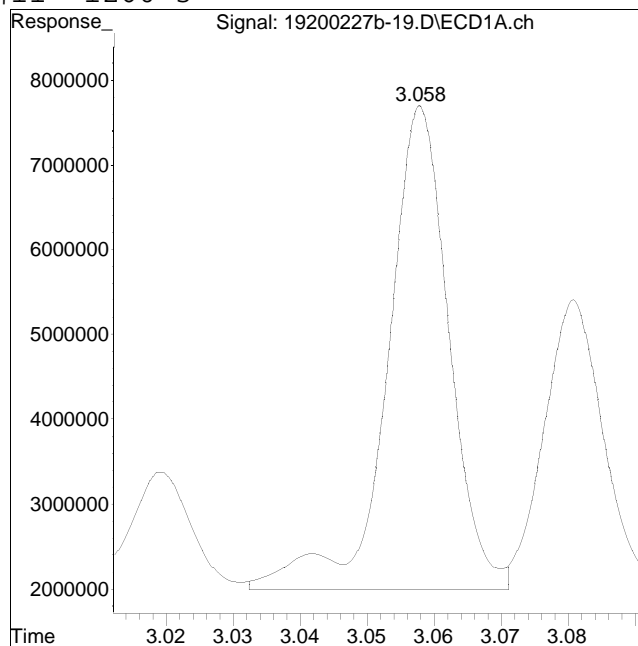
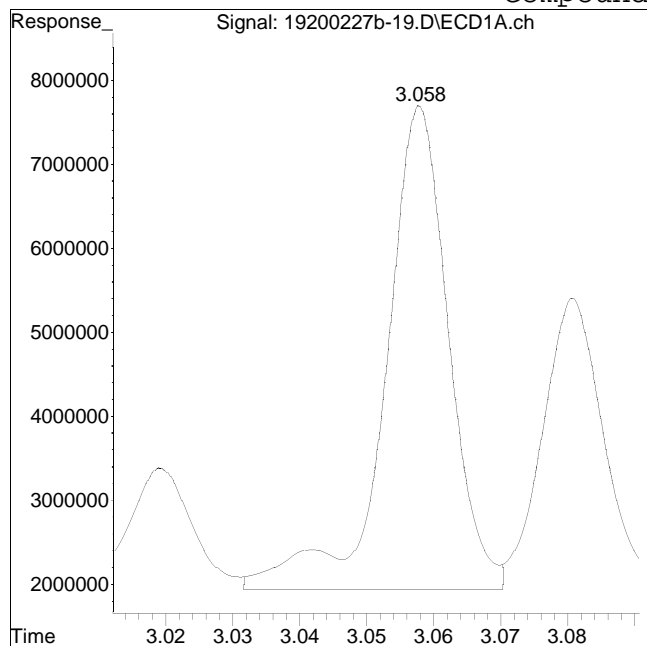
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #11: 1260-3



Original Peak Response = 37944347

Manual Peak Response = 36794152 M4

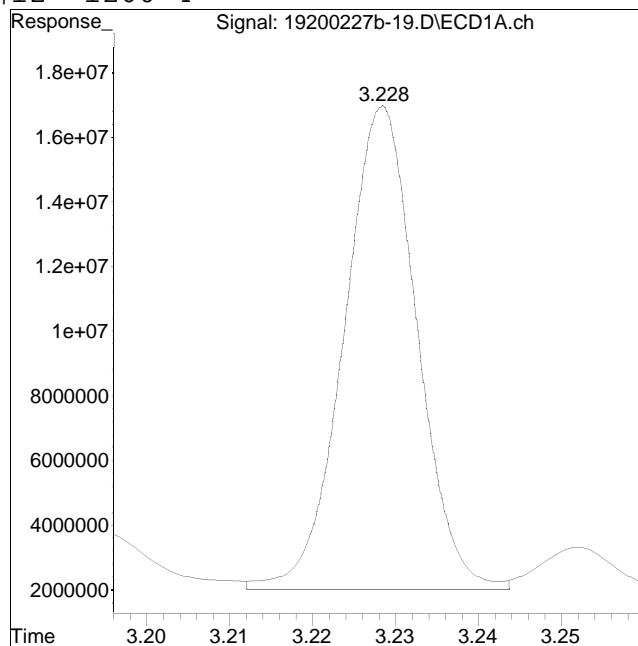
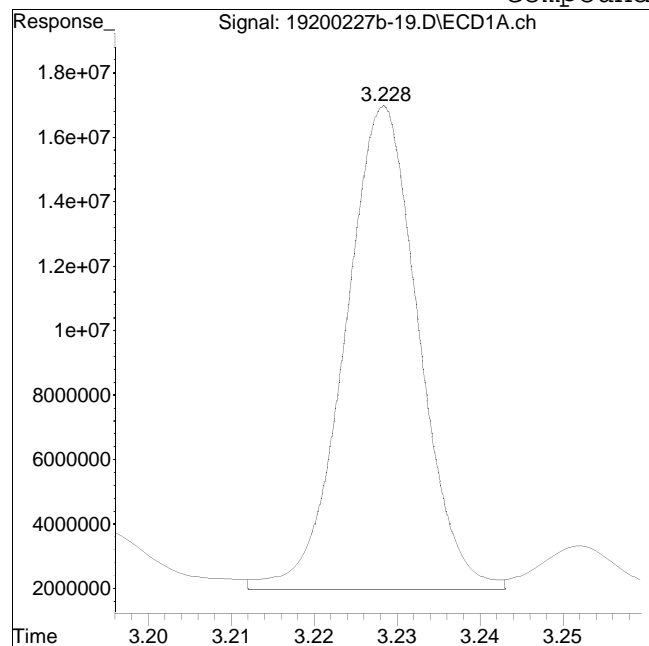
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #12: 1260-4



Original Peak Response = 92322594

Manual Peak Response = 91587290 M4

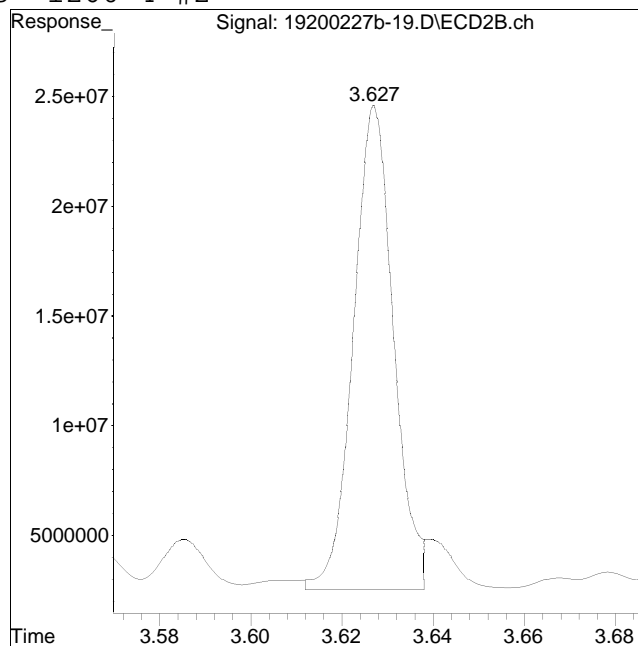
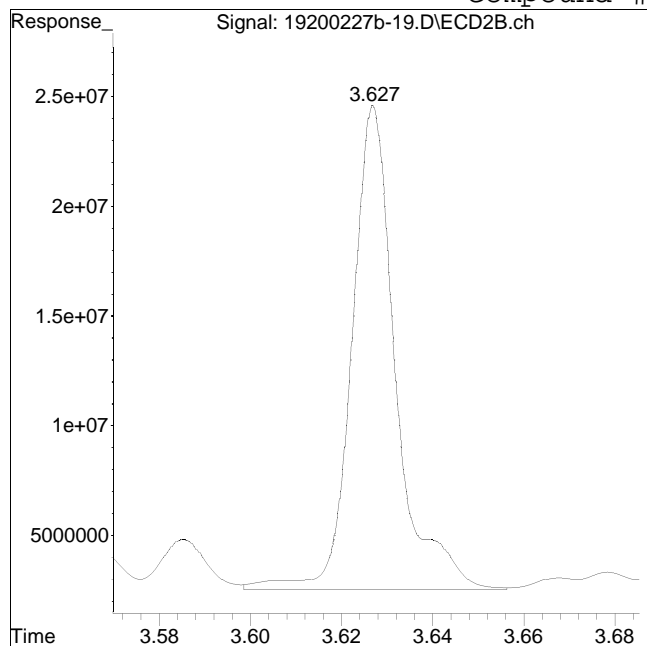
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #63: 1260-4 #2



Original Peak Response = 148129112

Manual Peak Response = 135337891 M1

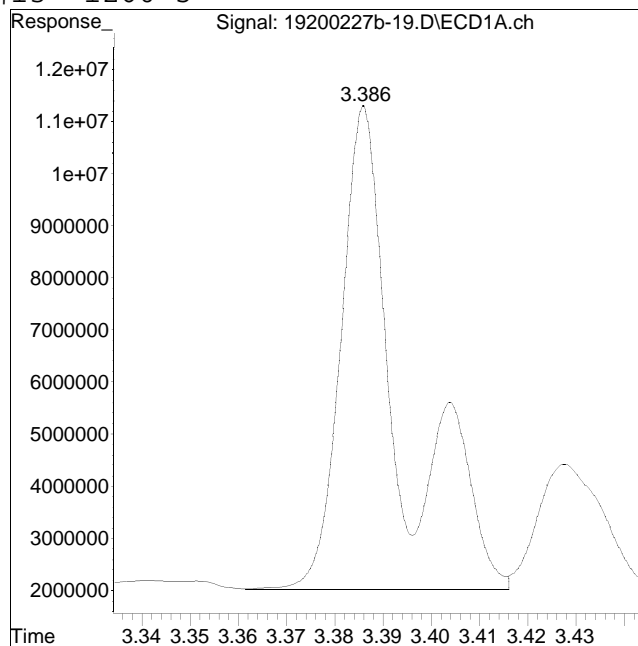
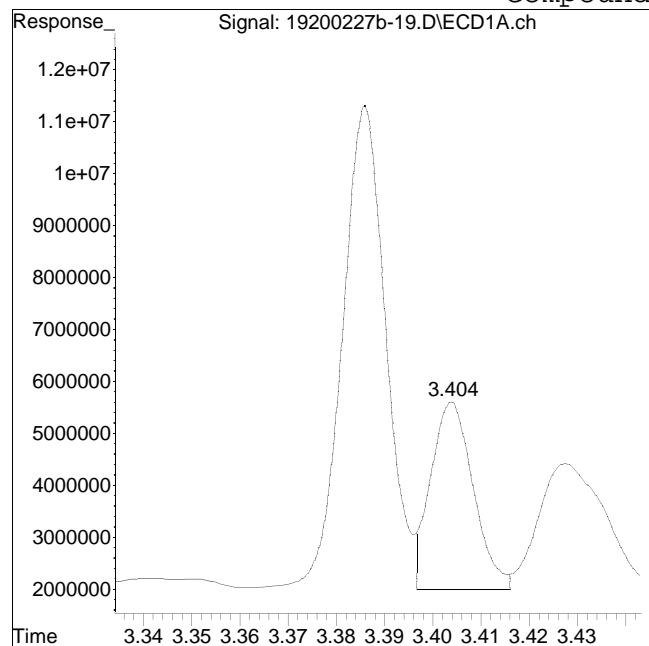
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-19.D
Date Inj'd : 2/27/2020 2:13 pm
Sample : 12008134-11,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #13: 1260-5



Original Peak Response = 22521038

Manual Peak Response = 79924108 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:20 pm
 Operator : pest19:cw
 Sample : l2008134-12,42e,,
 Misc : wgl1345020,wgl1344386,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 16:06:34 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.993	1.035	27905134	41631588	250.000M4	250.000M4
Standard Area 1 : #1 = 24432303			Recovery = 114.21%			
Standard Area 1 : #2 = 36318149			Recovery = 114.63%			
14) i 2154_1br2nb	0.993	1.035	27905134	41631588	250.000M4	250.000M4
23) i 4268_1br2nb	0.993	1.035	27905134	41631588	250.000M4	250.000M4
34) i 1248_1br2nb	0.993	1.035	27905134	41631588	250.000M4	250.000M4
40) i 3262_1br2nb	0.993	1.035	27905134	41631588	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.249	1.379	51853918	74426815	356.083M4	350.025M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 71.22% 70.00%			
3) s Decachlorobi	4.005	4.510	38276935	56627070	327.682	315.729M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 65.54% 63.15%			
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.569	2.952	13504296	18761842	1836.184M4	1675.302M1

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:20 pm
 Operator : pest19:cw
 Sample : l2008134-12,42e,,
 Misc : wg1345020,wg1344386,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 16:06:34 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12	1260-2	2.713	3.067	25921369	31414773	2344.073M1	2390.481M4
11) 12	1260-3	3.057	3.484	17337255	27112003	2409.243M4	2366.934
12) 12	1260-4	3.227	3.626	37452950	57750109	2475.169M4	2395.834M4
13) 12	1260-5	3.385	3.838	31455836	41686271	2876.936M4	2489.518M4
	Sum 1260-1			125.7E6	176.7E6	11941.605	11318.069
	Average 1260-1					2388.321	2263.614
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D.
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D.
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:20 pm
 Operator : pest19:cw
 Sample : 12008134-12,42e,,
 Misc : wg1345020,wg1344386,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 16:06:34 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 02:20 pm
 Operator : pest19:cw
 Sample : 12008134-12,42e,,
 Misc : wgl1345020,wgl1344386,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 16:06:34 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-04.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

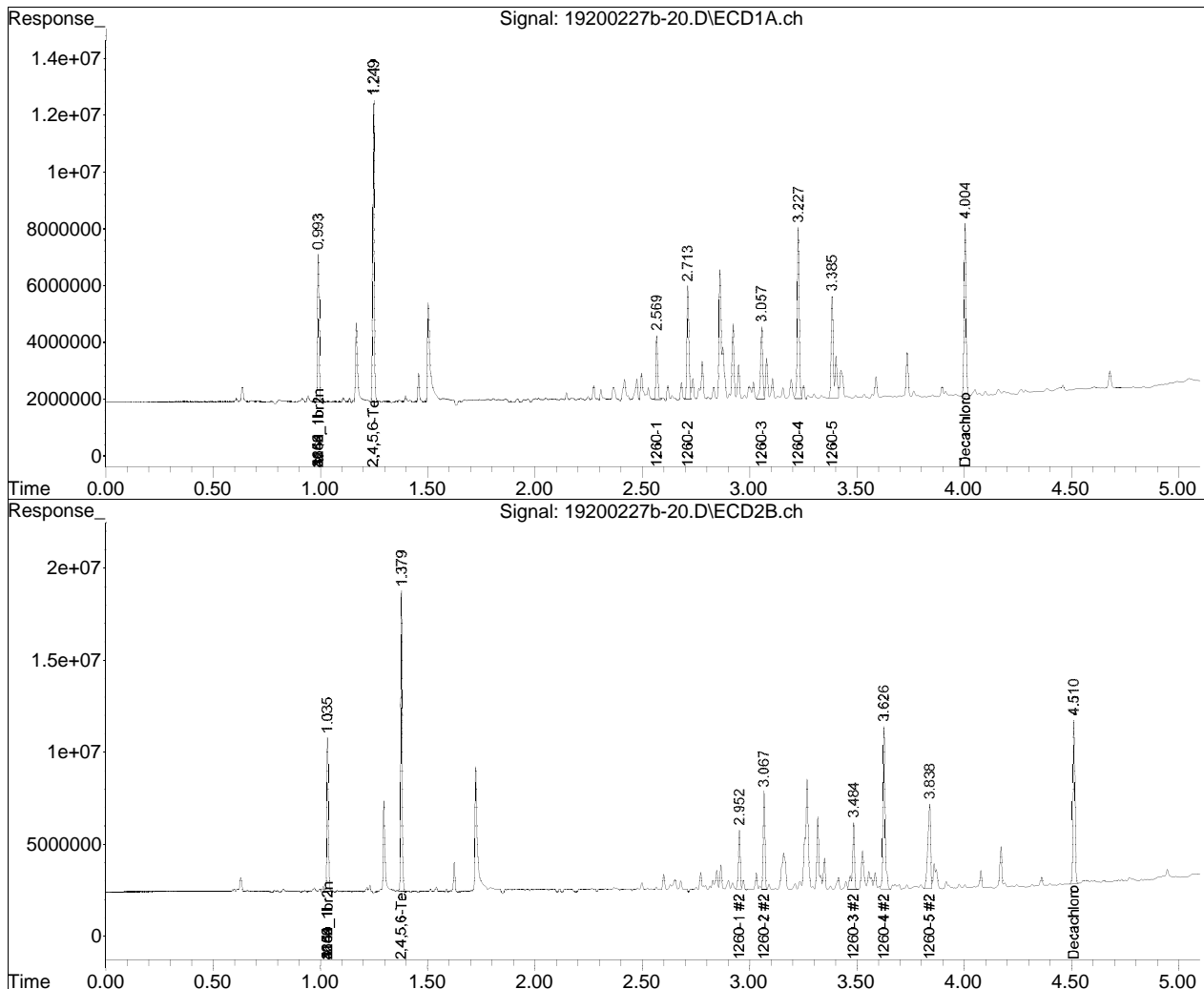
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-04.D••d)

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2020 02:20 pm
Operator : pest19:cw
Sample : l2008134-12,42e,,
Misc : wg1345020,wg1344386,ical16321
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 01 16:06:34 2020
Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

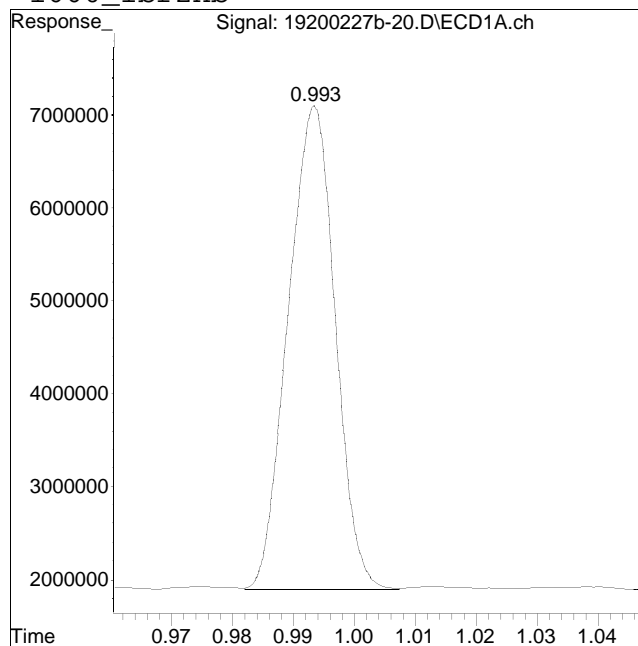
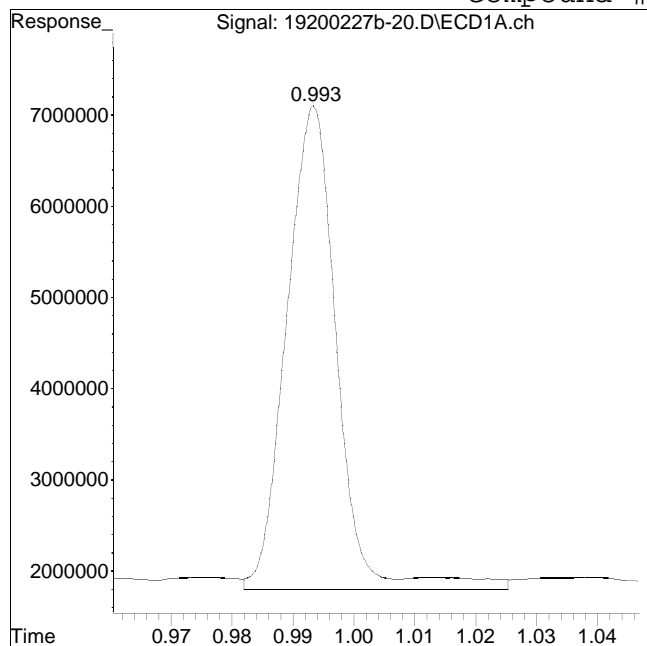


Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #1: 1660_1br2nb



Original Peak Response = 30737066

Manual Peak Response = 27905134 M4

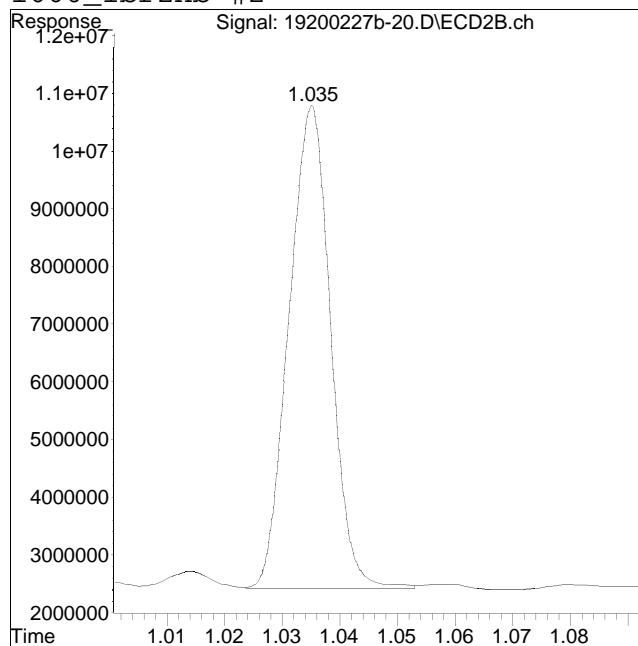
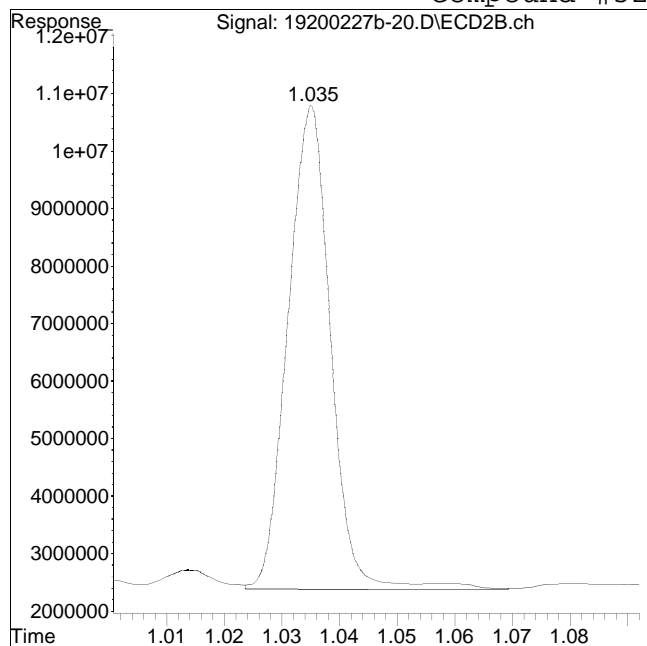
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 43492437

Manual Peak Response = 41631588 M4

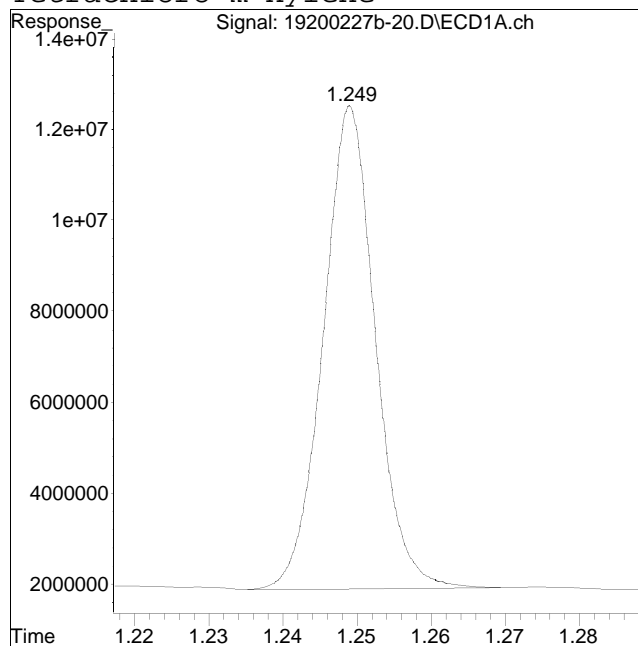
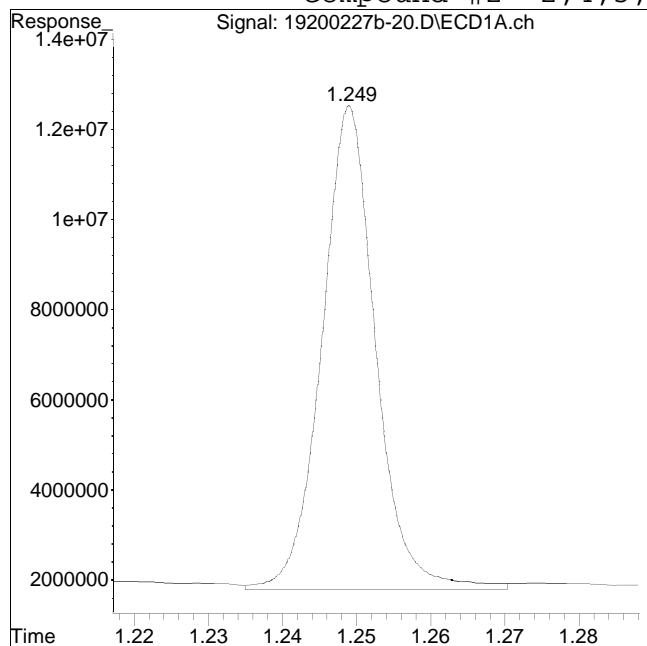
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 54390683

Manual Peak Response = 51853918 M4

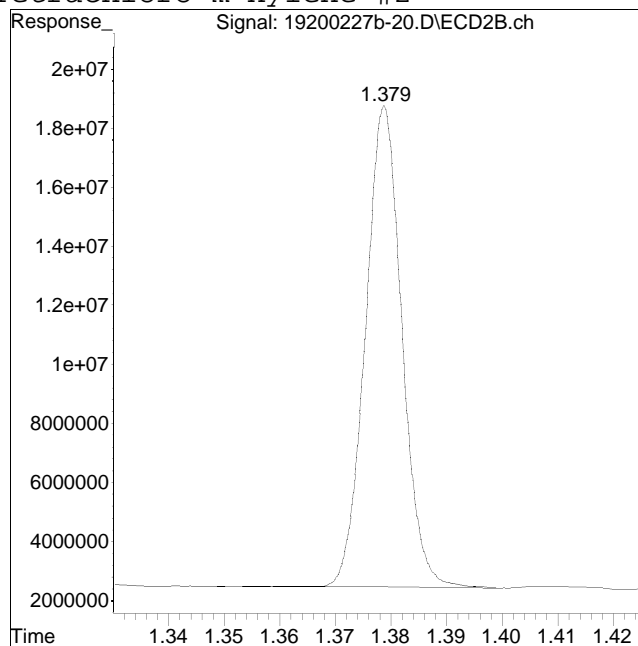
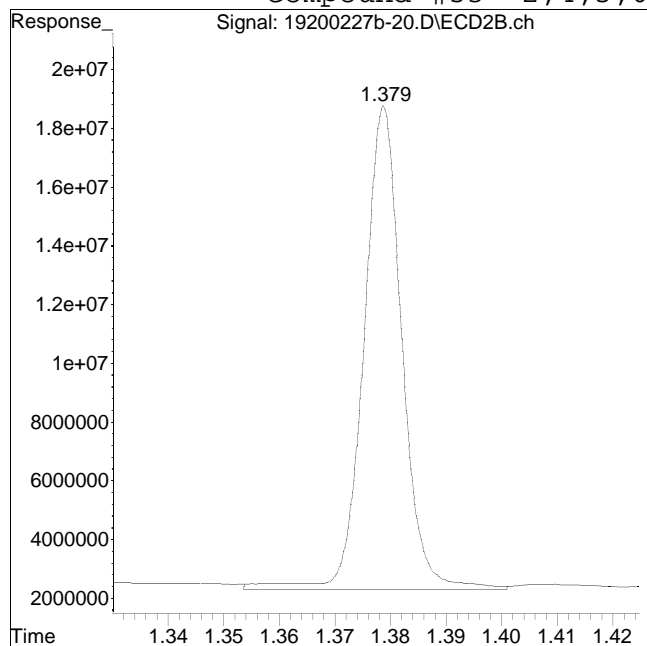
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 79081763

Manual Peak Response = 74426815 M4

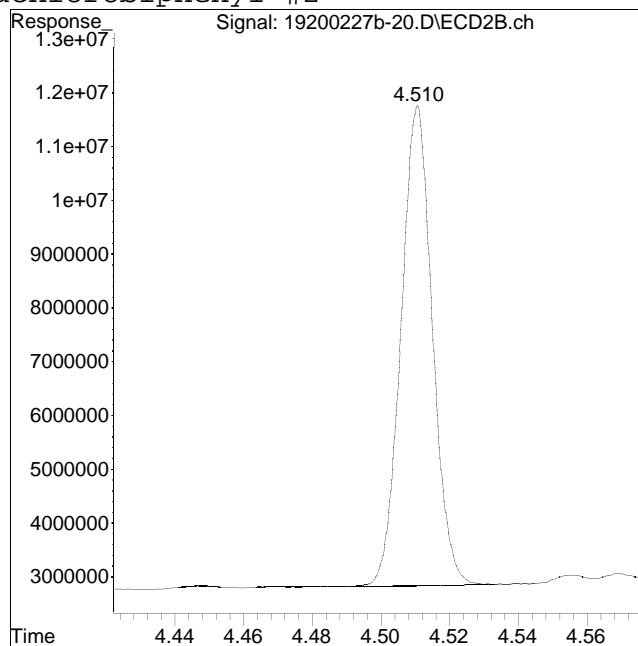
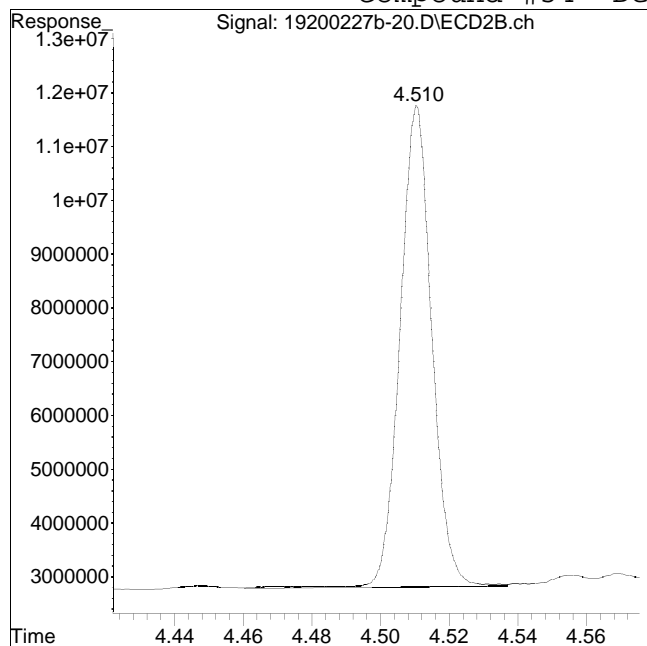
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 57657183

Manual Peak Response = 56627070 M4

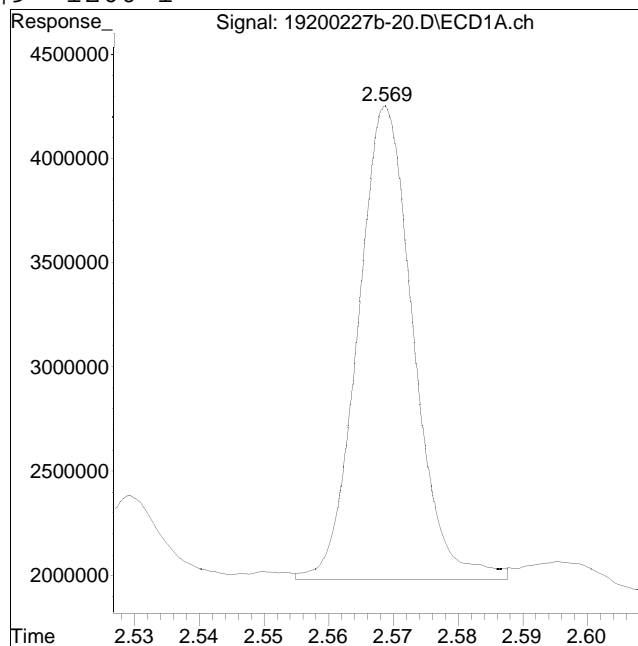
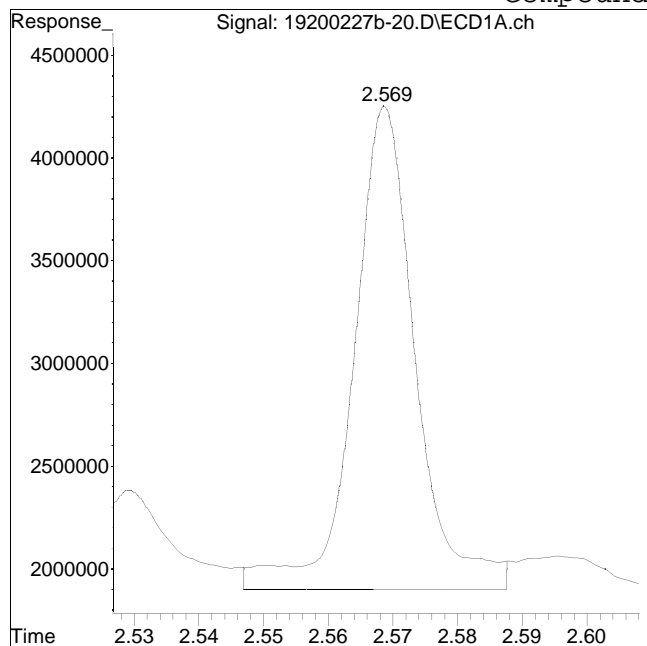
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #9: 1260-1



Original Peak Response = 15598081

Manual Peak Response = 13504296 M4

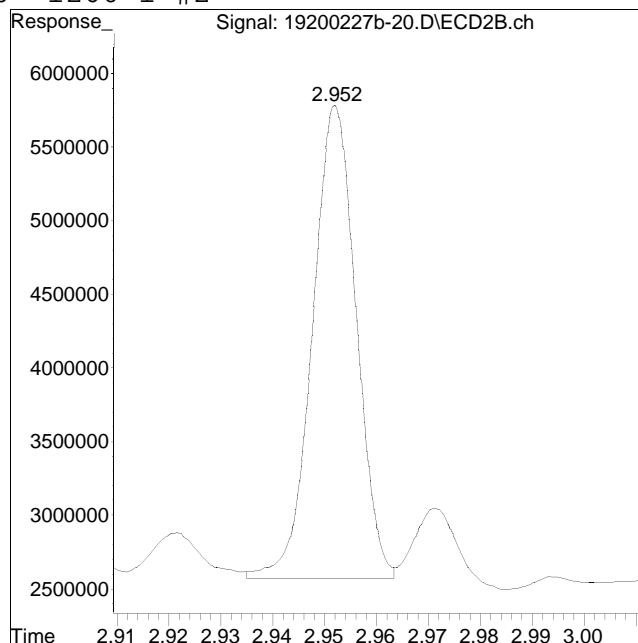
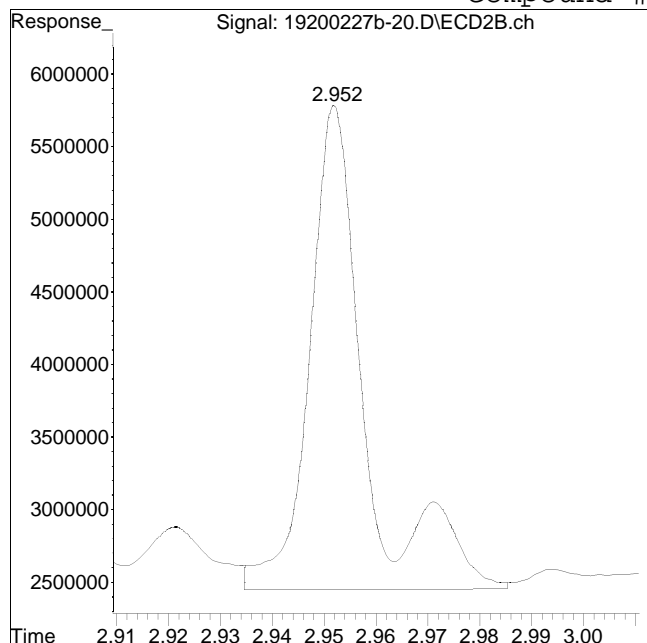
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #60: 1260-1 #2



Original Peak Response = 24782691

Manual Peak Response = 18761842 M1

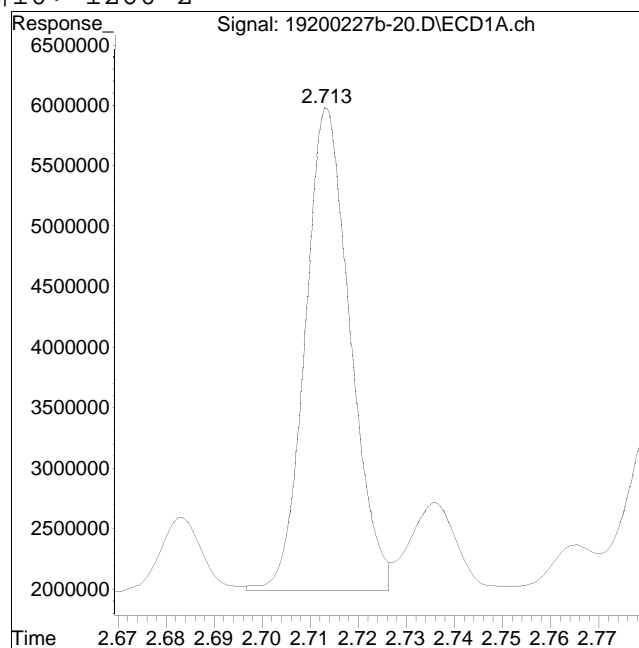
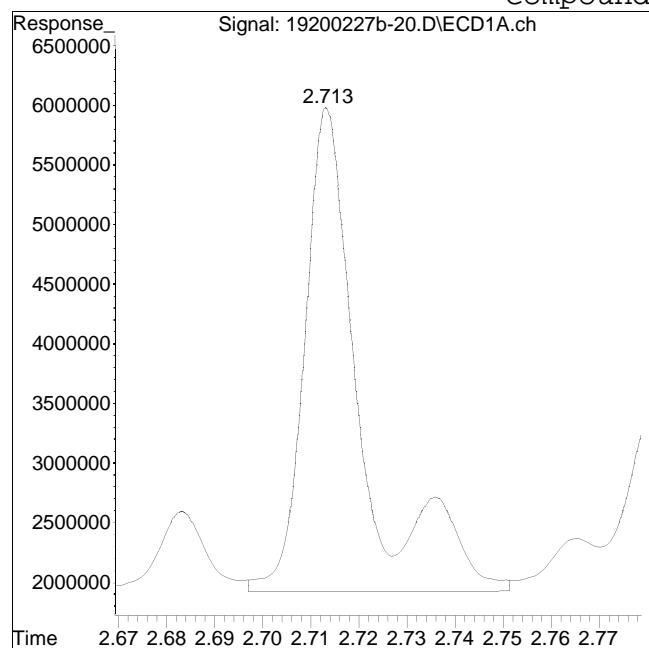
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #10: 1260-2



Original Peak Response = 33059576

Manual Peak Response = 25921369 M1

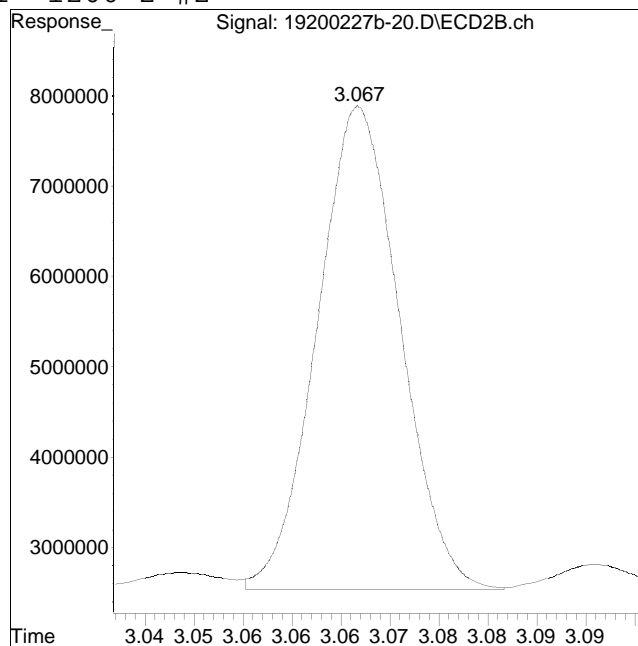
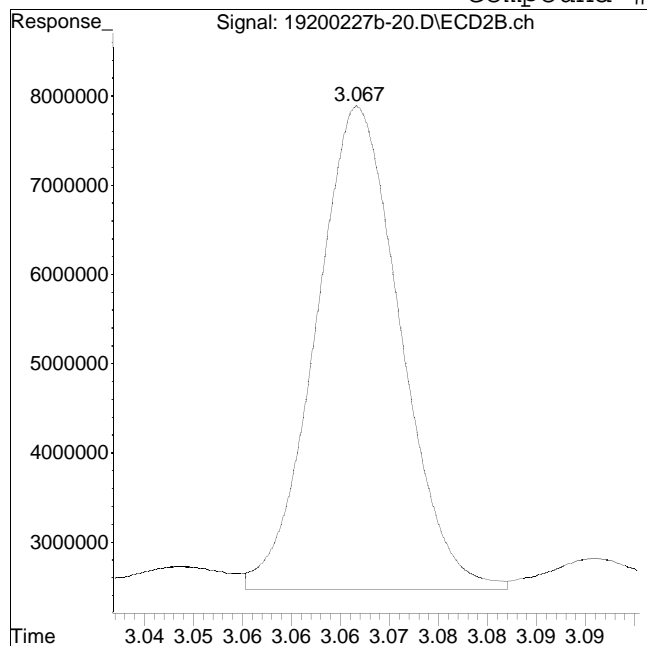
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #61: 1260-2 #2



Original Peak Response = 32511843

Manual Peak Response = 31414773 M4

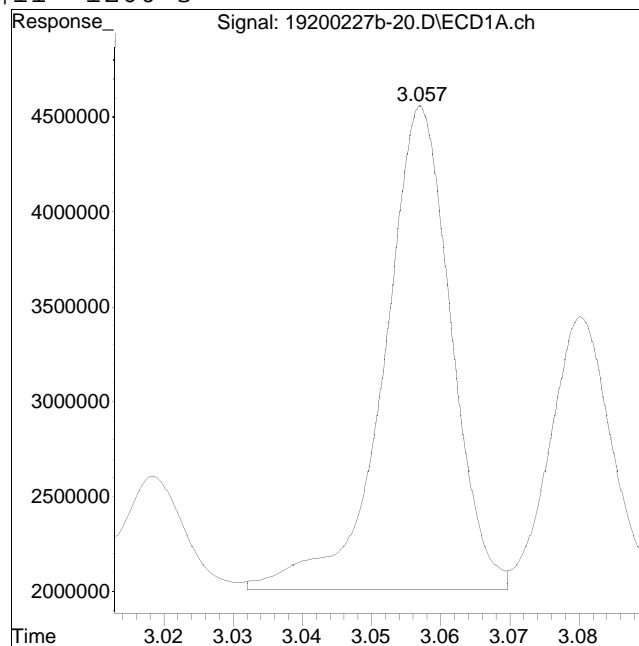
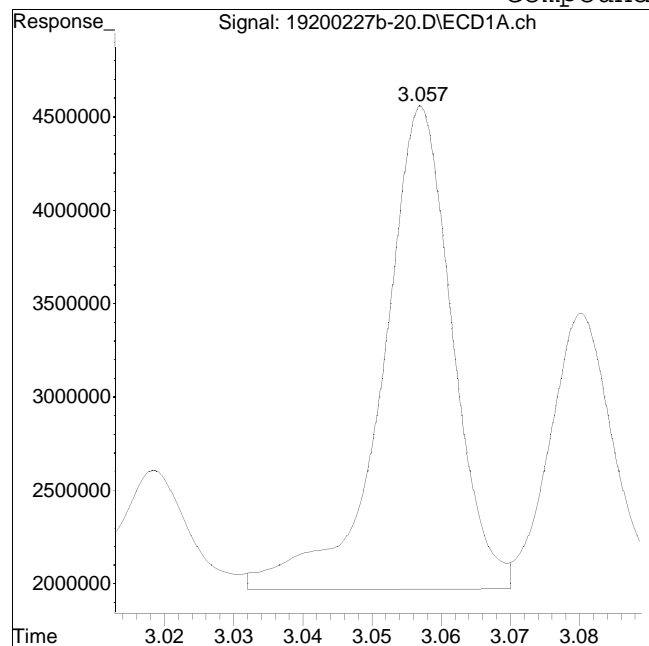
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #11: 1260-3



Original Peak Response = 18258650

Manual Peak Response = 17337255 M4

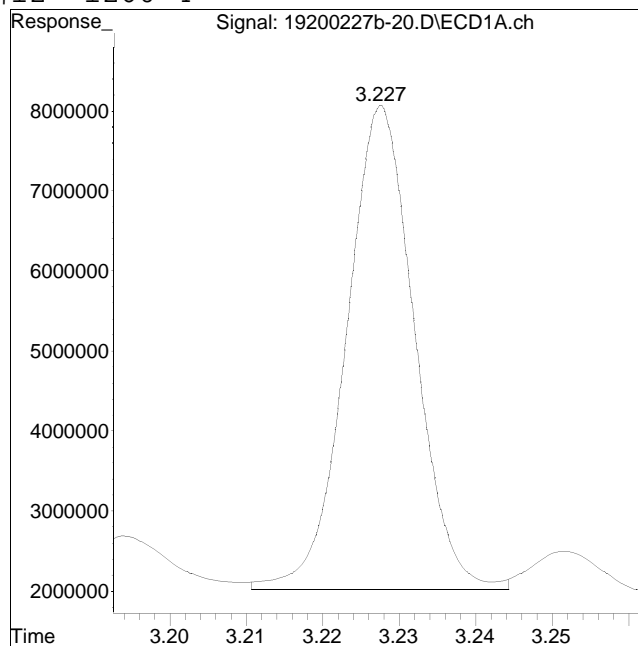
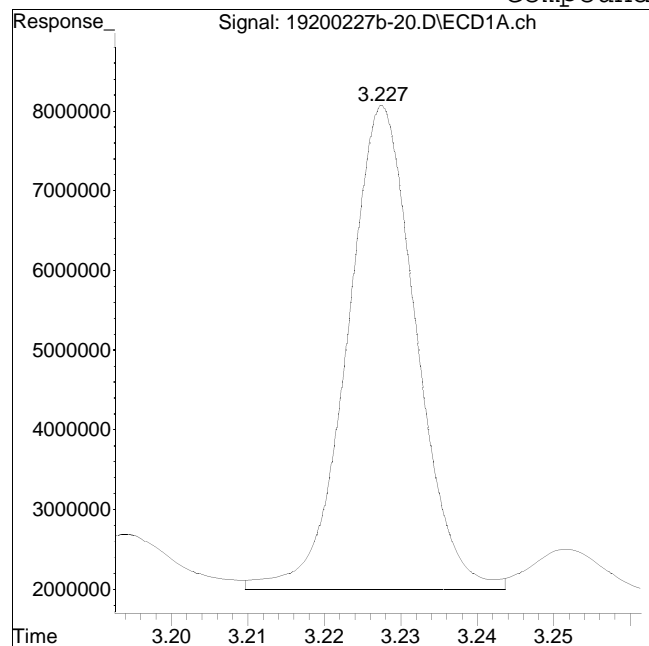
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #12: 1260-4



Original Peak Response = 38010243

Manual Peak Response = 37452950 M4

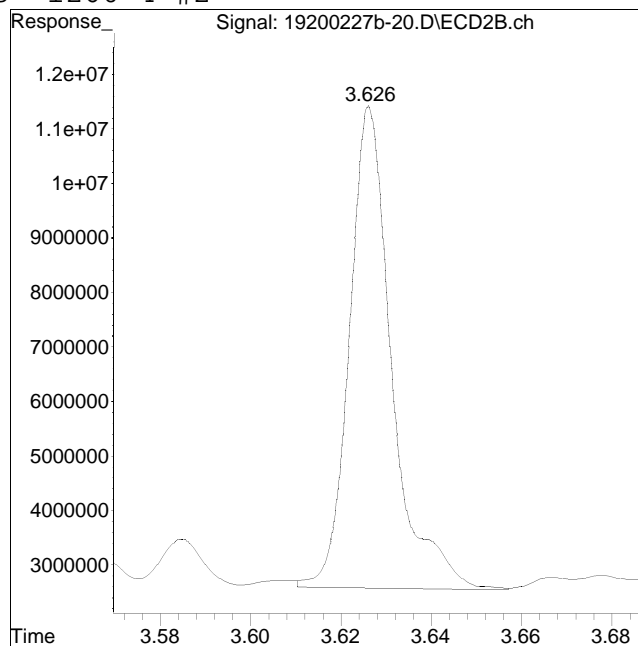
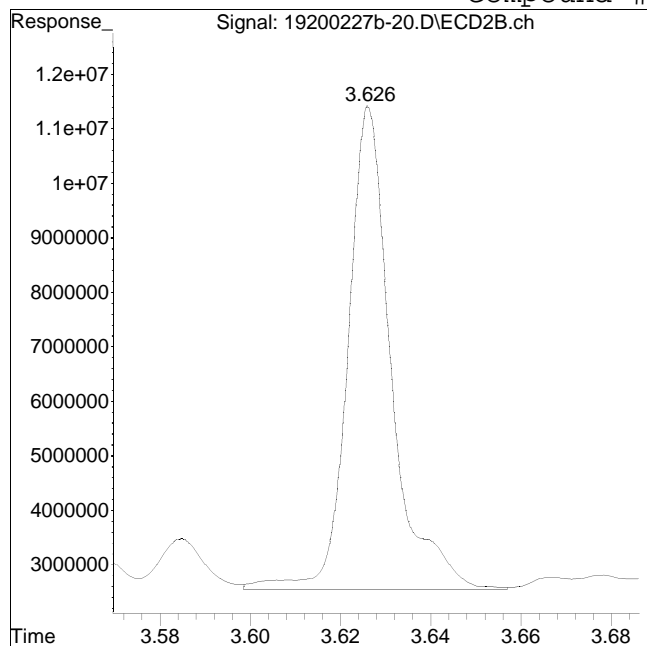
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #63: 1260-4 #2



Original Peak Response = 59432809

Manual Peak Response = 57750109 M4

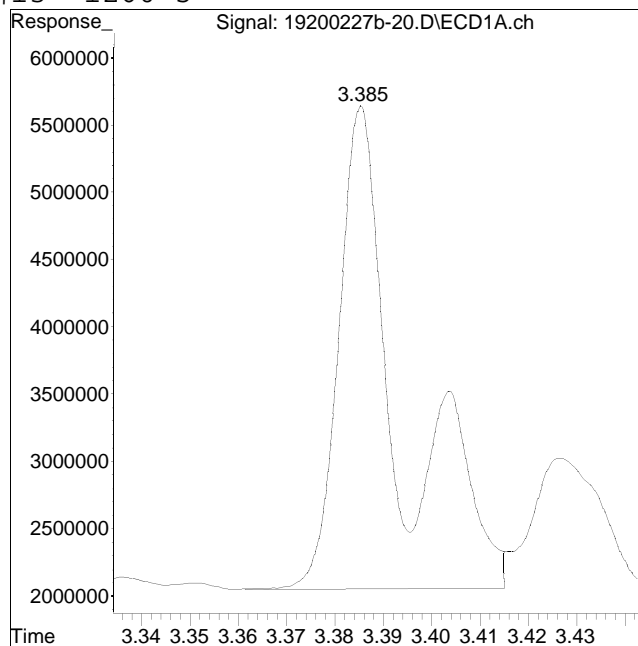
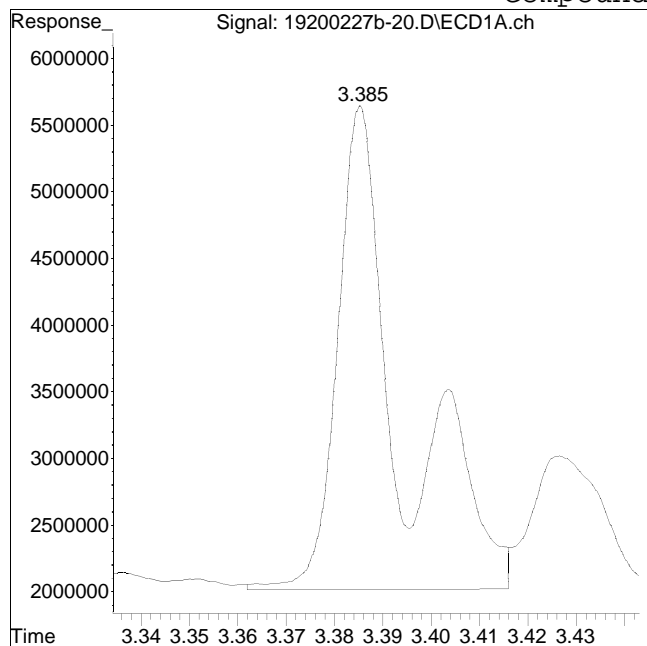
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #13: 1260-5



Original Peak Response = 32747980

Manual Peak Response = 31455836 M4

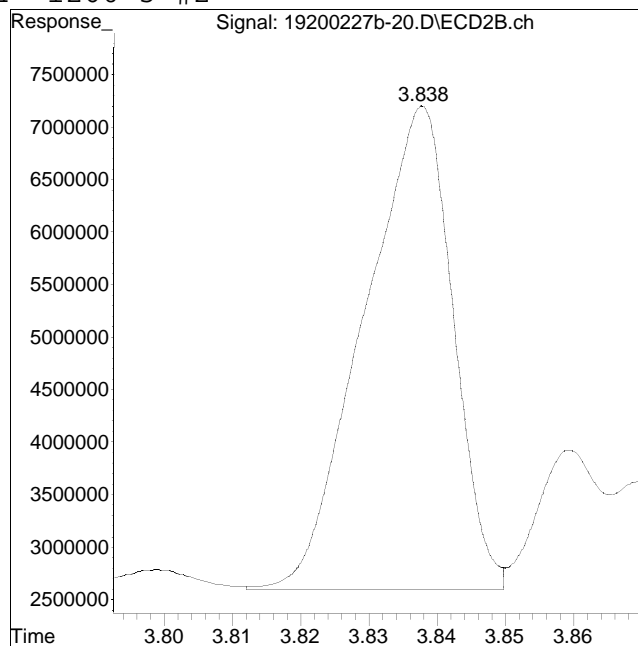
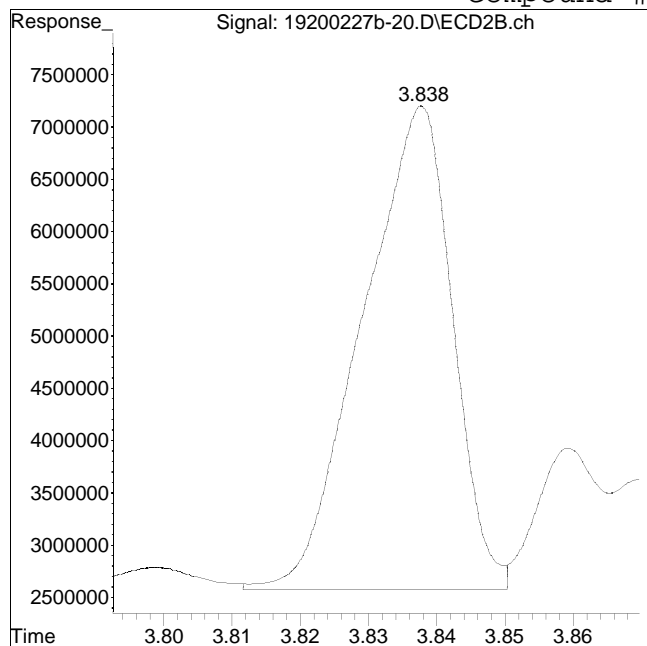
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-20.D
Date Inj'd : 2/27/2020 2:20 pm
Sample : 12008134-12,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/1/2020 3:53 pm

Compound #64: 1260-5 #2



Original Peak Response = 42164974

Manual Peak Response = 41686271 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-23.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 02:57 pm
 Operator : pest19:ht
 Sample : l2008134-13,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:49:26 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-05.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.994	1.035	35889308	52994173	250.000M4	250.000M4
Standard Area 1 : #1 = 26709857				Recovery =	134.37%	
Standard Area 1 : #2 = 38740698				Recovery =	136.79%	
14) i 2154_1br2nb	0.994	1.035	35889308	52994173	250.000M4	250.000M4
23) i 4268_1br2nb	0.994	1.035	35889308	52994173	250.000M4	250.000M4
34) i 1248_1br2nb	0.994	1.035	35889308	52994173	250.000M4	250.000M4
40) i 3262_1br2nb	0.994	1.035	35889308	52994173	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.249	1.377	54317463	78217157	290.020M4	288.979M4
Spiked Amount 500.000 Range 30 - 150				Recovery =	58.00% 57.80%	
3) s Decachlorobi	4.005	4.508	47825718	81370936	318.343	356.414
Spiked Amount 500.000 Range 30 - 150				Recovery =	63.67% 71.28%	
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.568	2.949	24807519	36279981	2622.688M4	2544.952M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-23.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 02:57 pm
 Operator : pest19:ht
 Sample : l2008134-13,42e,,
 Misc : wg1347003,wg1346747,ical16321
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:49:26 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-05.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12	1260-2	2.713	3.063	51656638	63572824	3632.105	3800.298M4
11) 12	1260-3	3.057	3.481	35818536	47012073	3870.144	3224.251
12) 12	1260-4	3.228	3.623	80148212	128.5E6	4118.431	4187.742M4
13) 12	1260-5	3.384	3.834	69345694	92867365	4931.370M4	4356.927M4
	Sum 1260-1			261.8E6	368.2E6	19174.737	18114.170
	Average 1260-1					3834.947	3622.834
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-23.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 02:57 pm
 Operator : pest19:ht
 Sample : l2008134-13,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:49:26 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-05.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-23.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 02:57 pm
 Operator : pest19:ht
 Sample : 12008134-13,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:49:26 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-05.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

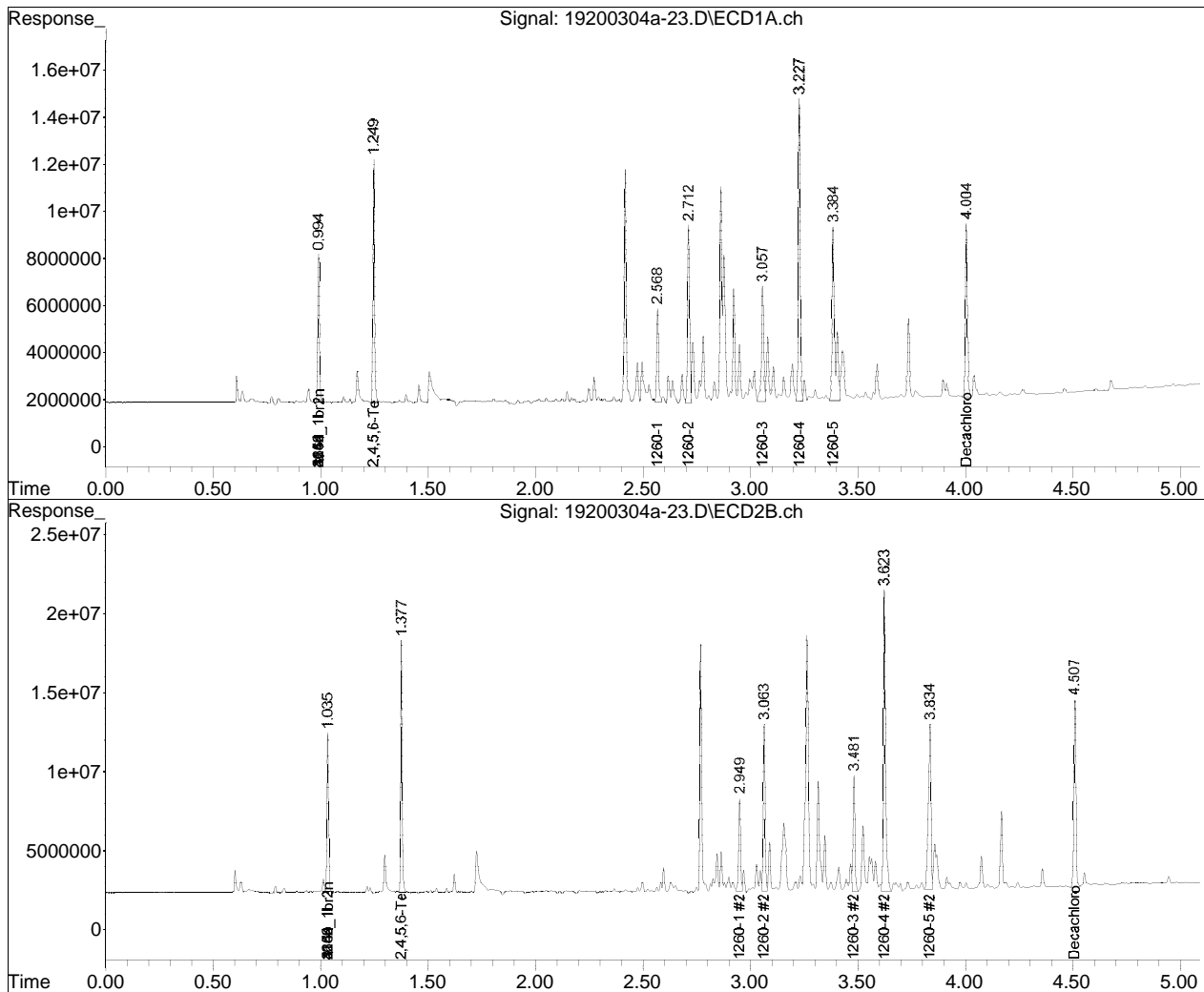
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-05.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 02:57 pm
Operator : pest19:ht
Sample : 12008134-13,42e,,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 05 22:49:26 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Thu Mar 05 22:49:01 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

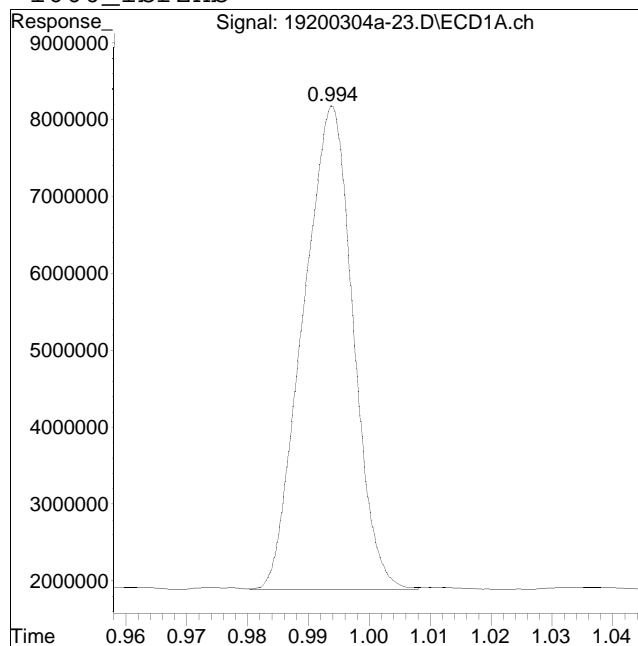
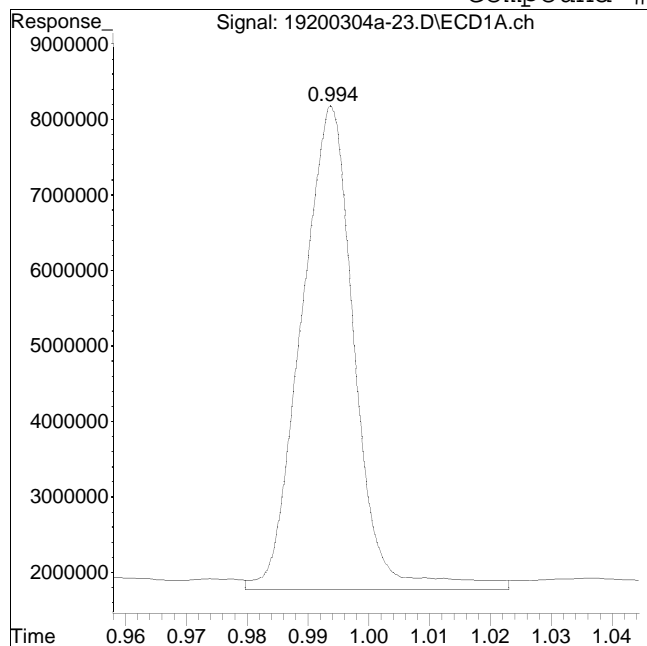


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-23.D
Date Inj'd : 3/4/2020 2:57 pm
Sample : 12008134-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:49 pm

Compound #1: 1660_1br2nb



Original Peak Response = 39048009

Manual Peak Response = 35889308 M4

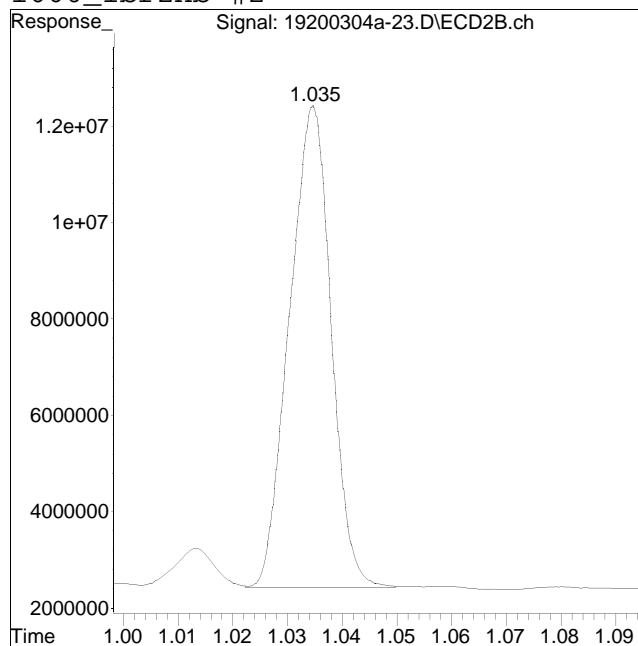
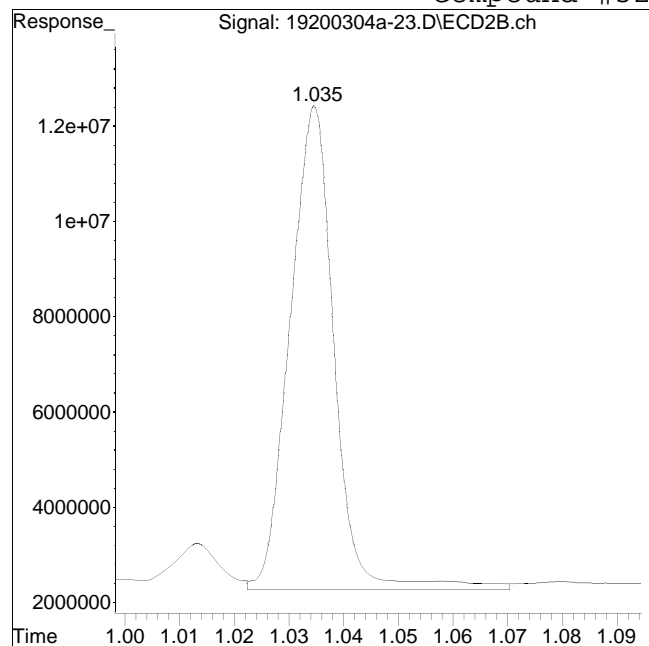
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-23.D
Date Inj'd : 3/4/2020 2:57 pm
Sample : 12008134-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:49 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 57294236

Manual Peak Response = 52994173 M4

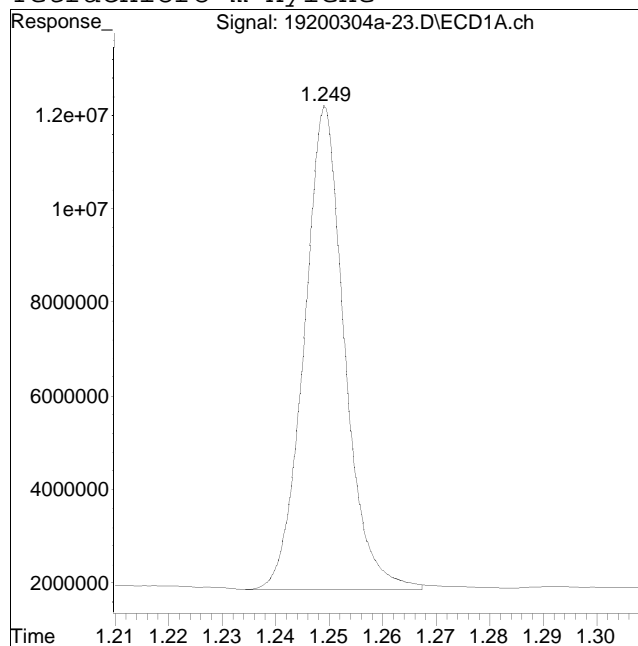
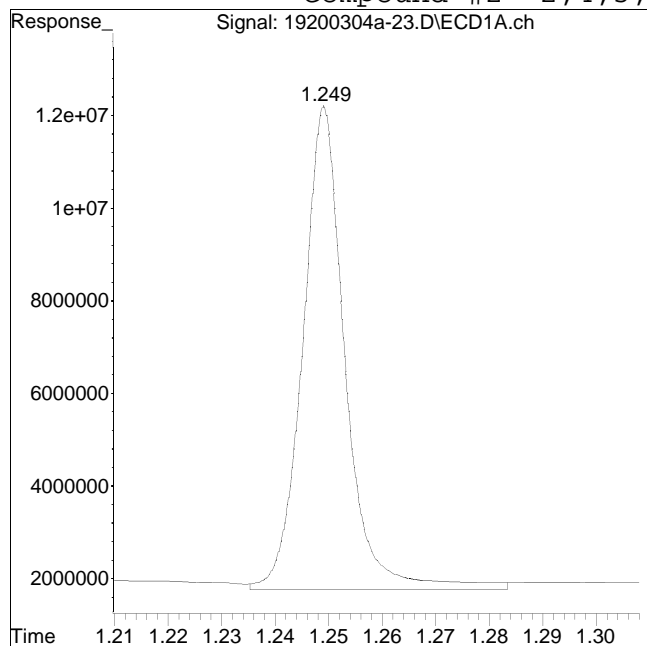
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-23.D
Date Inj'd : 3/4/2020 2:57 pm
Sample : 12008134-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:49 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 57770776

Manual Peak Response = 54317463 M4

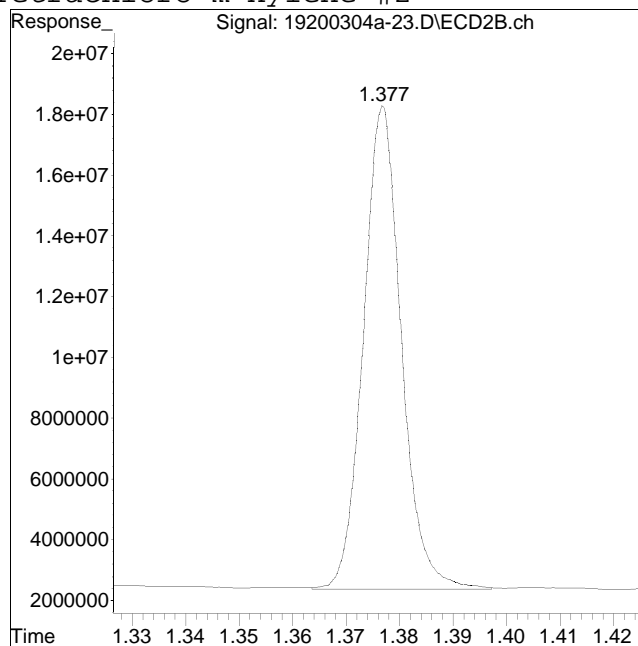
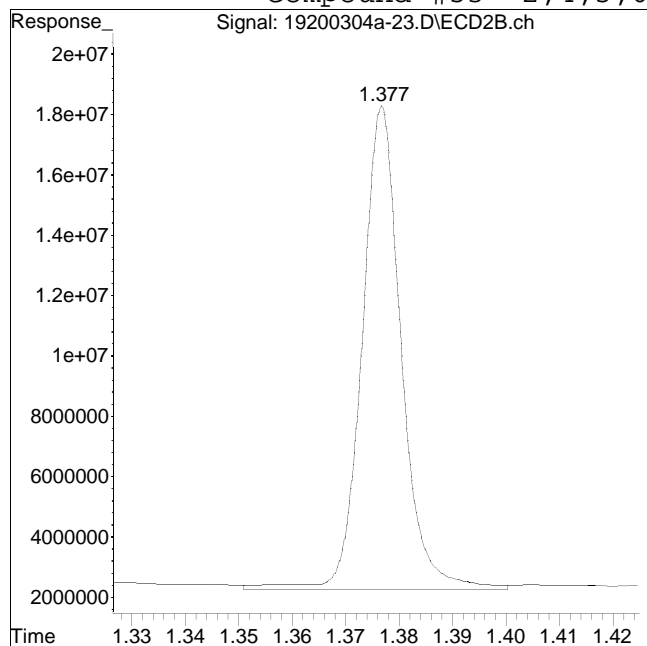
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-23.D
Date Inj'd : 3/4/2020 2:57 pm
Sample : 12008134-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:49 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 82477114

Manual Peak Response = 78217157 M4

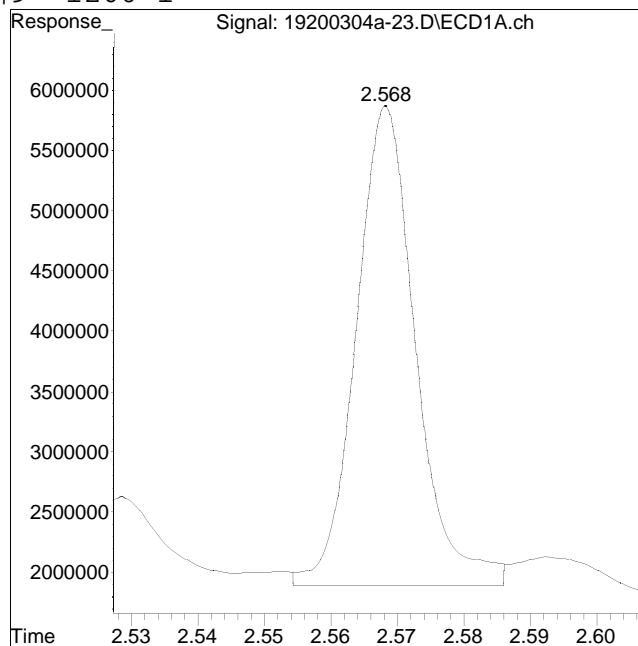
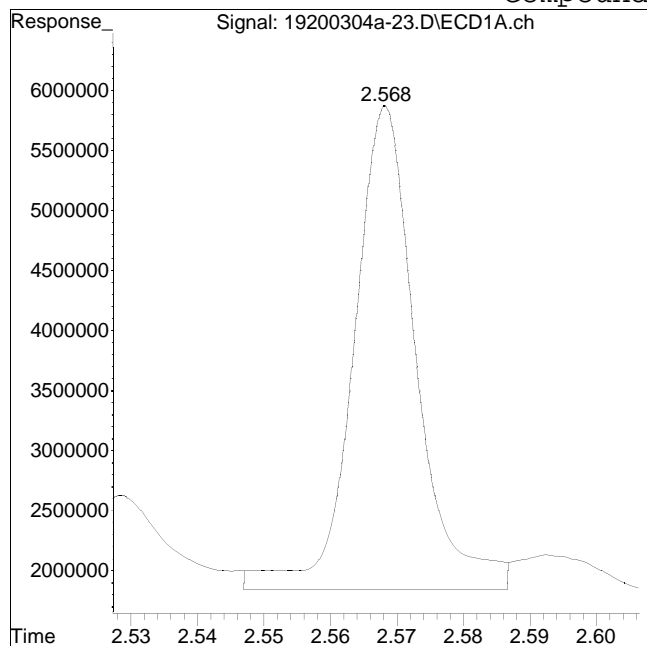
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-23.D
Date Inj'd : 3/4/2020 2:57 pm
Sample : 12008134-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:49 pm

Compound #9: 1260-1



Original Peak Response = 26424376

Manual Peak Response = 24807519 M4

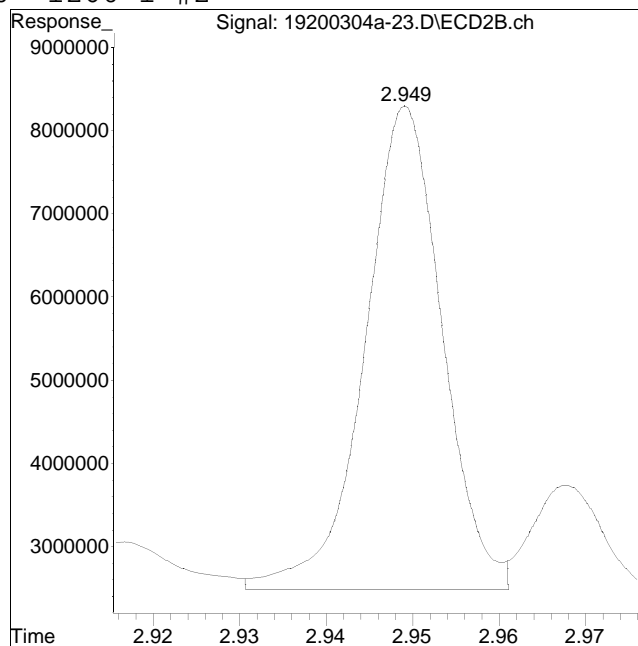
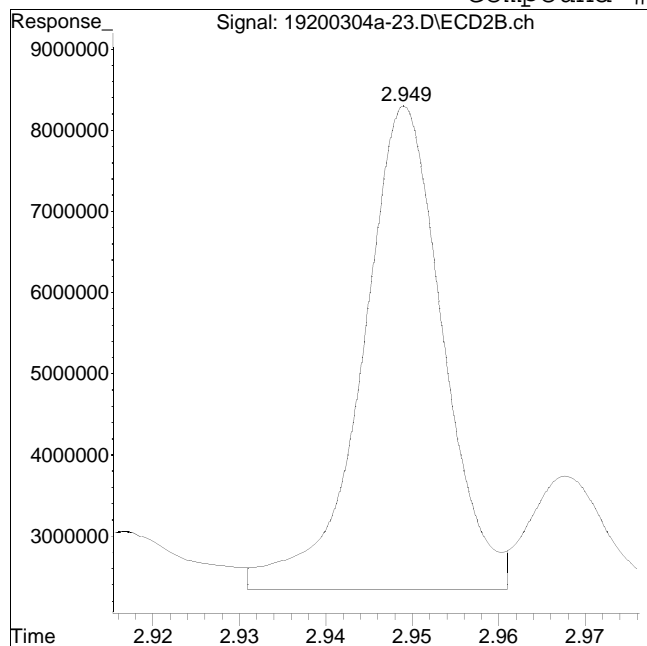
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-23.D
Date Inj'd : 3/4/2020 2:57 pm
Sample : 12008134-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:49 pm

Compound #60: 1260-1 #2



Original Peak Response = 38596785

Manual Peak Response = 36279981 M4

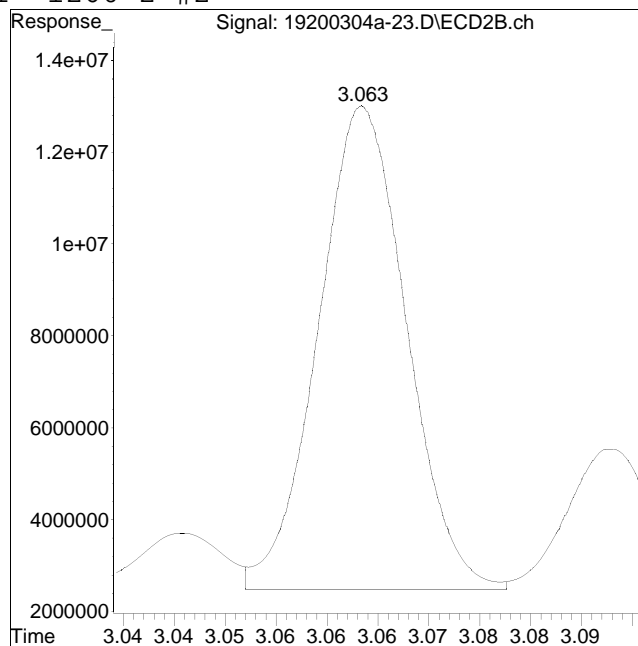
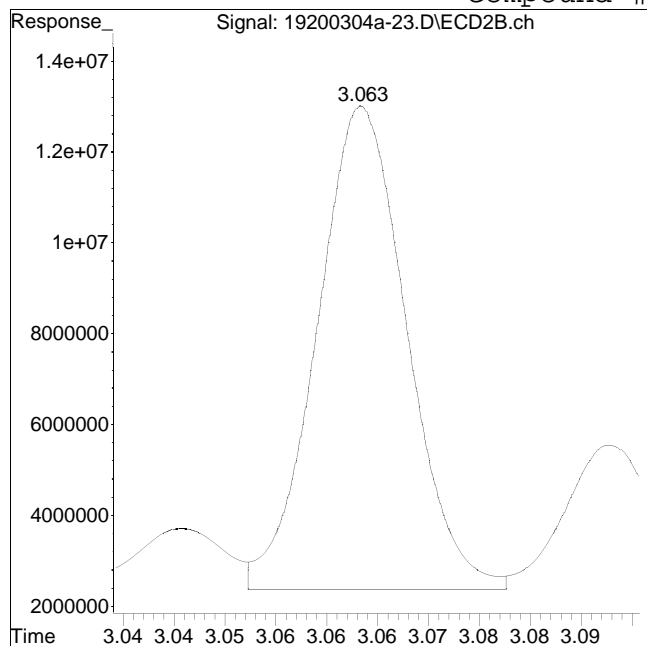
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-23.D
Date Inj'd : 3/4/2020 2:57 pm
Sample : 12008134-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:49 pm

Compound #61: 1260-2 #2



Original Peak Response = 65288831

Manual Peak Response = 63572824 M4

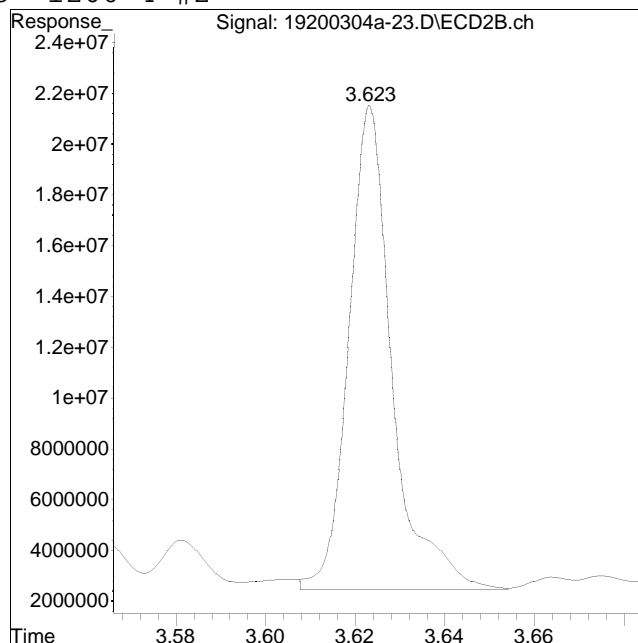
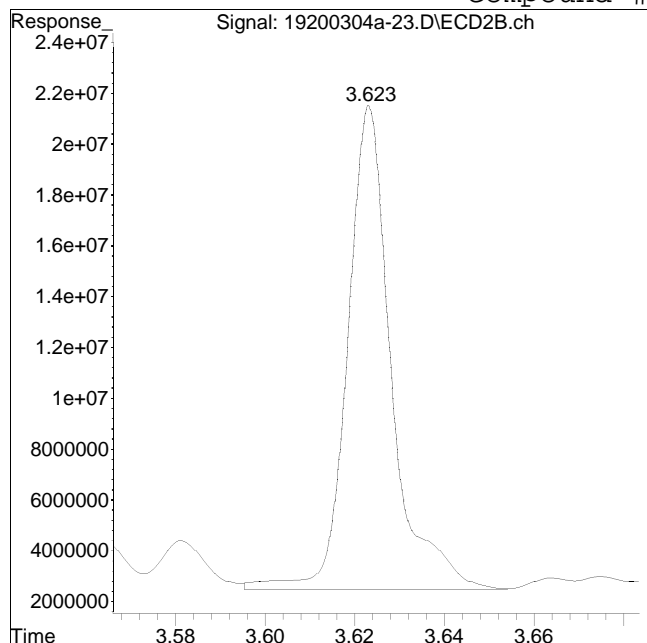
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-23.D
Date Inj'd : 3/4/2020 2:57 pm
Sample : 12008134-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:49 pm

Compound #63: 1260-4 #2



Original Peak Response = 130232778

Manual Peak Response = 128493498 M4

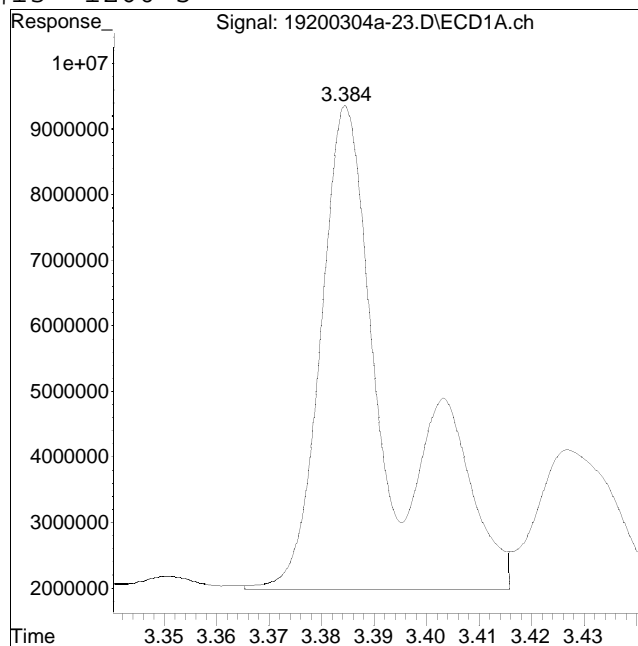
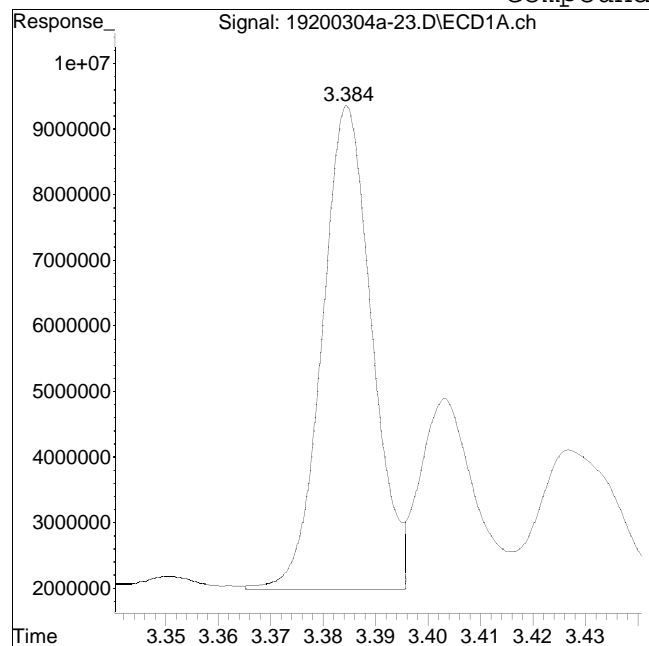
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-23.D
Date Inj'd : 3/4/2020 2:57 pm
Sample : 12008134-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:49 pm

Compound #13: 1260-5



Original Peak Response = 48421761

Manual Peak Response = 69345694 M4

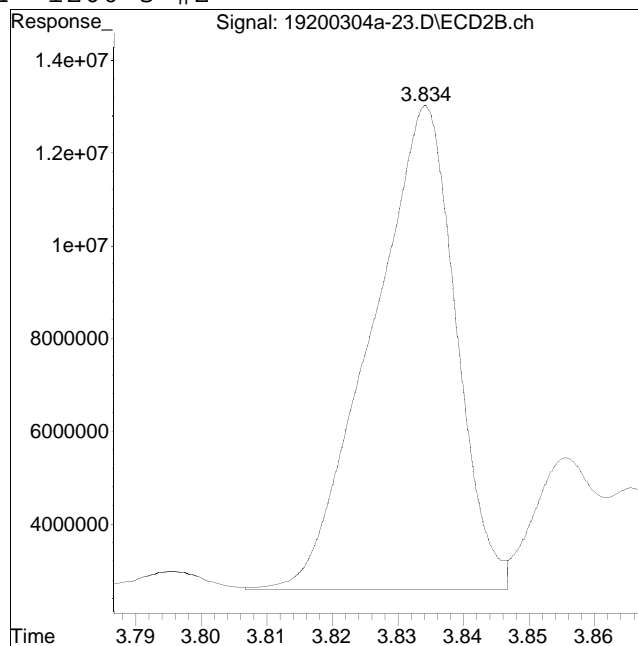
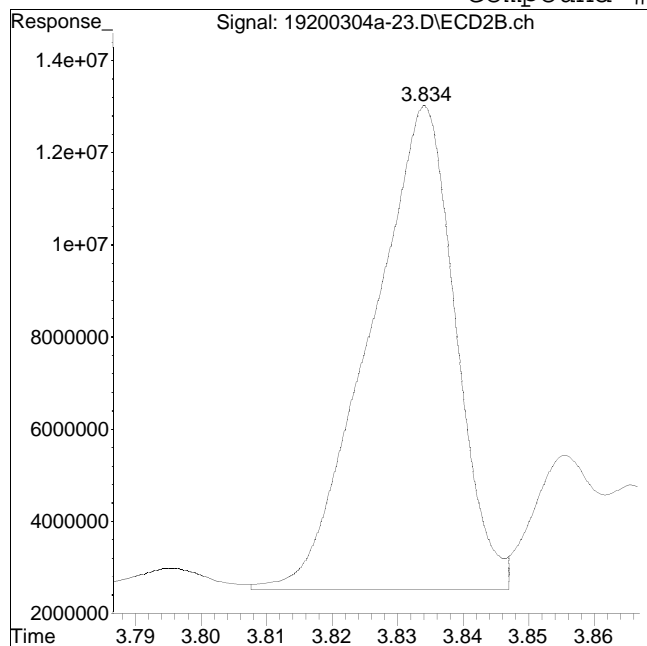
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-23.D
Date Inj'd : 3/4/2020 2:57 pm
Sample : 12008134-13,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:49 pm

Compound #64: 1260-5 #2



Original Peak Response = 94322006

Manual Peak Response = 92867365 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-27.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:24 pm
 Operator : pest19:ht
 Sample : l2008134-01,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:55:21 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.032	33664361	50510271	250.000	250.000
Standard Area 1 : #1 = 27180134					Recovery =	123.86%
Standard Area 1 : #2 = 40808447					Recovery =	123.77%
14) i 2154_1br2nb	0.991	1.032	33664361	50510271	250.000	250.000
23) i 4268_1br2nb	0.991	1.032	33664361	50510271	250.000	250.000
34) i 1248_1br2nb	0.991	1.032	33664361	50510271	250.000	250.000
40) i 3262_1br2nb	0.991	1.032	33664361	50510271	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.246	1.375	55384413	81091500	315.261M4	314.331M4
Spiked Amount	500.000	Range	30 - 150	Recovery =	63.05%	62.87%
3) s Decachlorobi	4.001	4.506	43859870	69282742	311.240	318.389
Spiked Amount	500.000	Range	30 - 150	Recovery =	62.25%	63.68%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.565	2.949	12439323	16111789	1402.022	1185.782
10) l2 1260-2	2.710	3.063	24880876	29528934	1865.059	1852.006
11) l2 1260-3	3.054	3.480	12872649	17281419	1482.798	1243.504
12) l2 1260-4	3.224	3.621	33084095	50973102	1812.391	1742.963
13) l2 1260-5	3.381	3.833	26327429	35700445	1995.957M4	1757.273
Sum 1260-1			109.6E6	149.6E6	8558.227	7781.528
Average 1260-1					1711.645	1556.306

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-27.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:24 pm
 Operator : pest19:ht
 Sample : l2008134-01,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:55:21 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-27.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:24 pm
 Operator : pest19:ht
 Sample : l2008134-01,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:55:21 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-27.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:24 pm
 Operator : pest19:ht
 Sample : l2008134-01,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:55:21 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

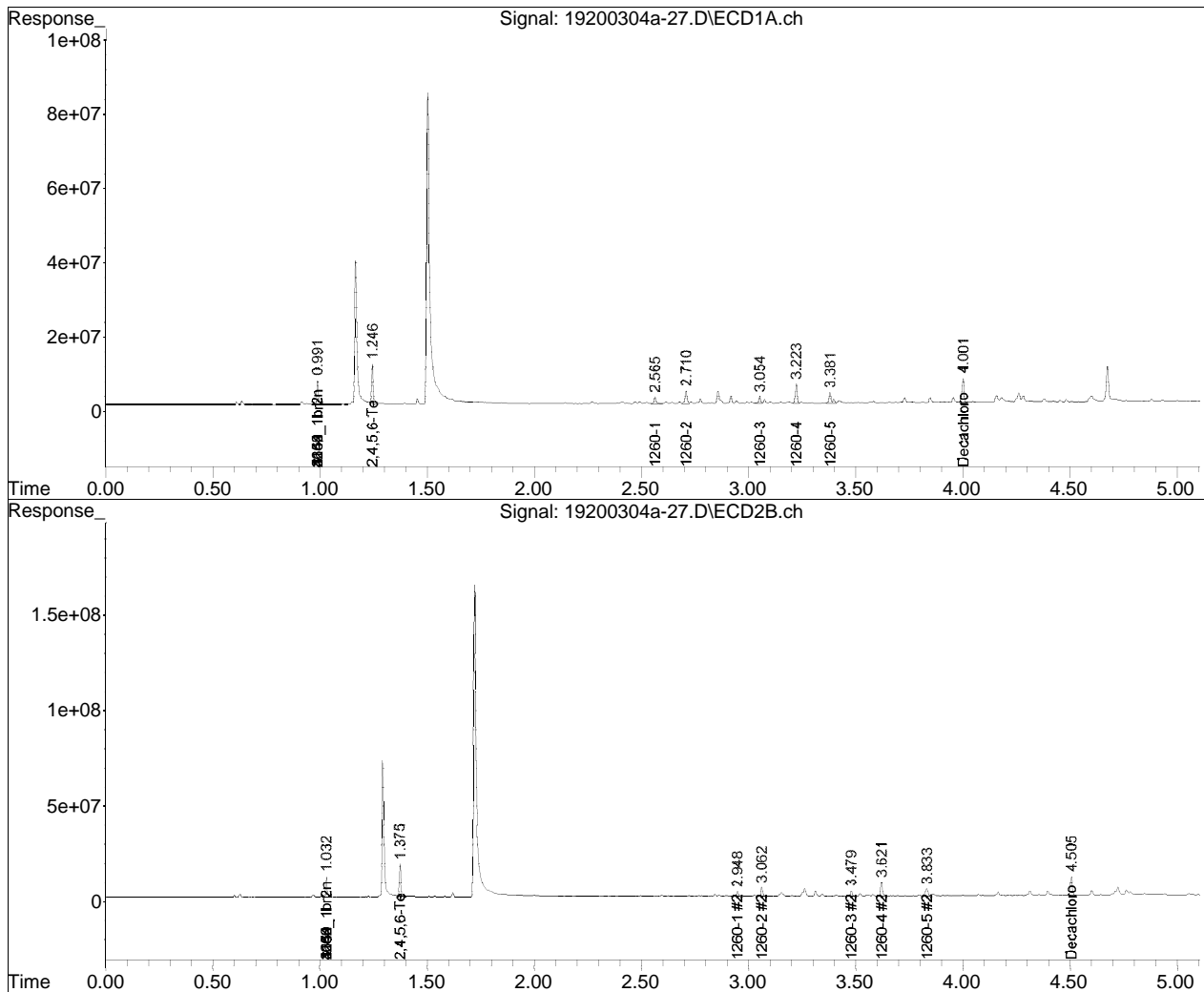
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-26.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 03:24 pm
Operator : pest19:ht
Sample : l2008134-01,42e,,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 05 22:55:21 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Thu Mar 05 22:49:31 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

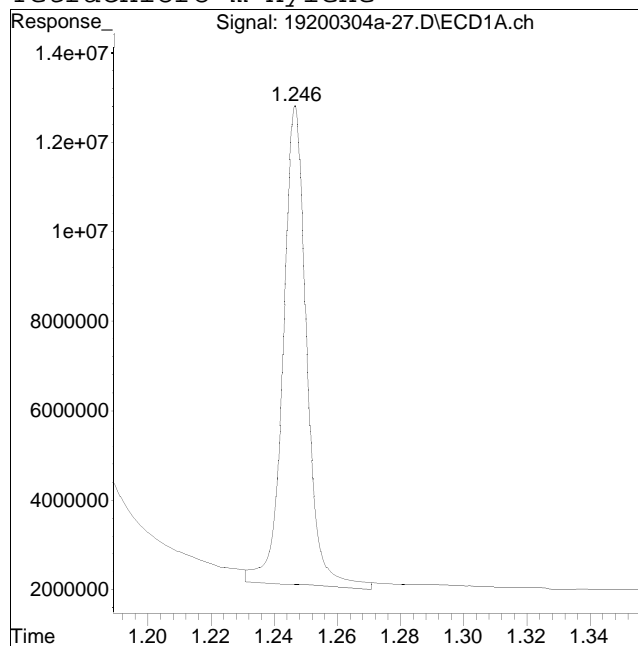
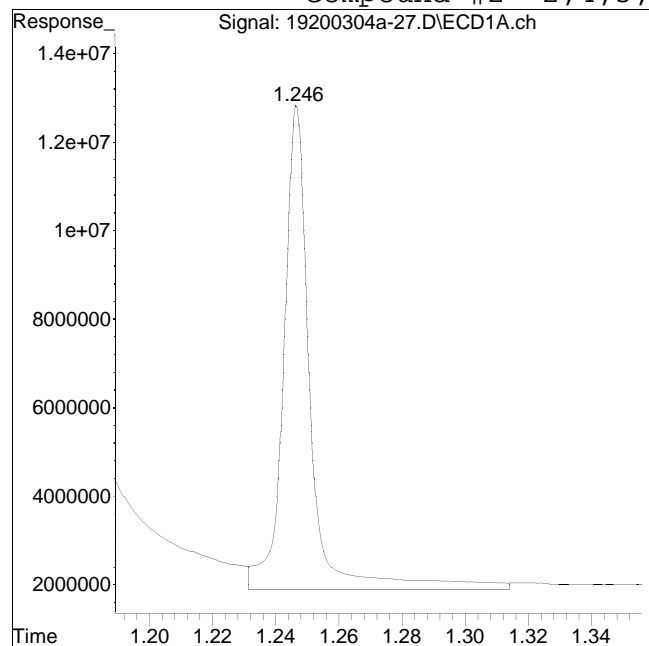


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-27.D
Date Inj'd : 3/4/2020 3:24 pm
Sample : 12008134-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:50 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 65271539

Manual Peak Response = 55384413 M4

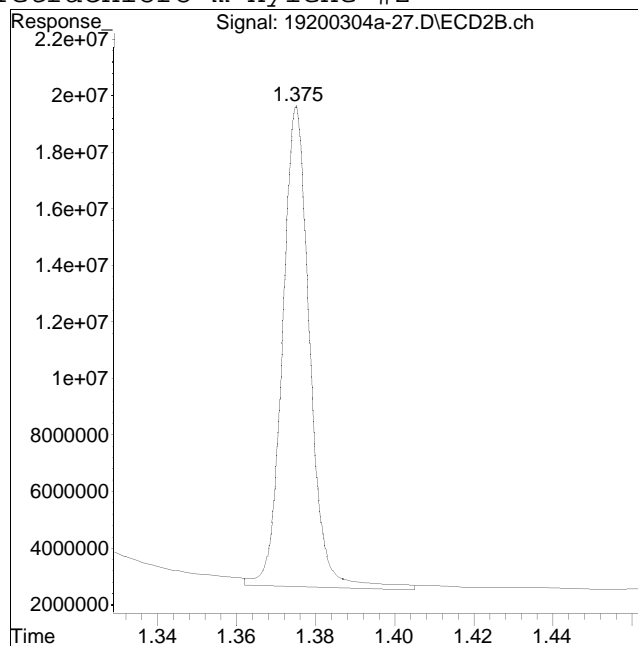
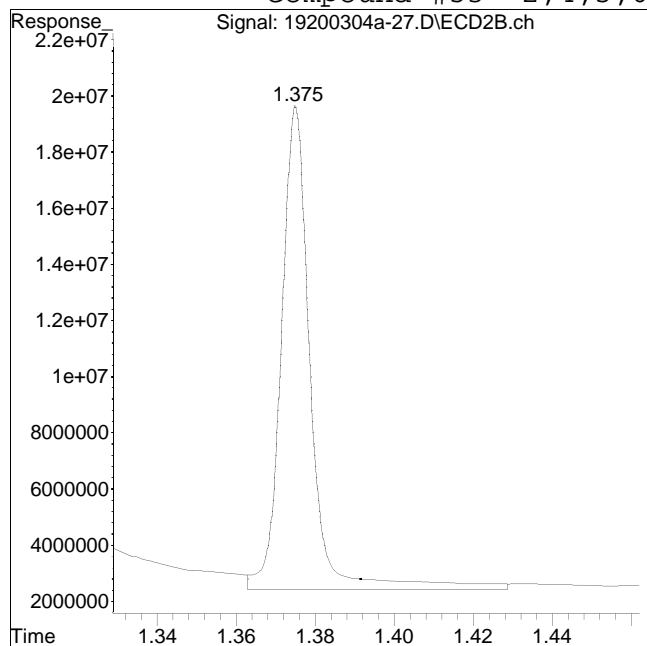
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-27.D
Date Inj'd : 3/4/2020 3:24 pm
Sample : 12008134-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:50 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 89479775

Manual Peak Response = 81091500 M4

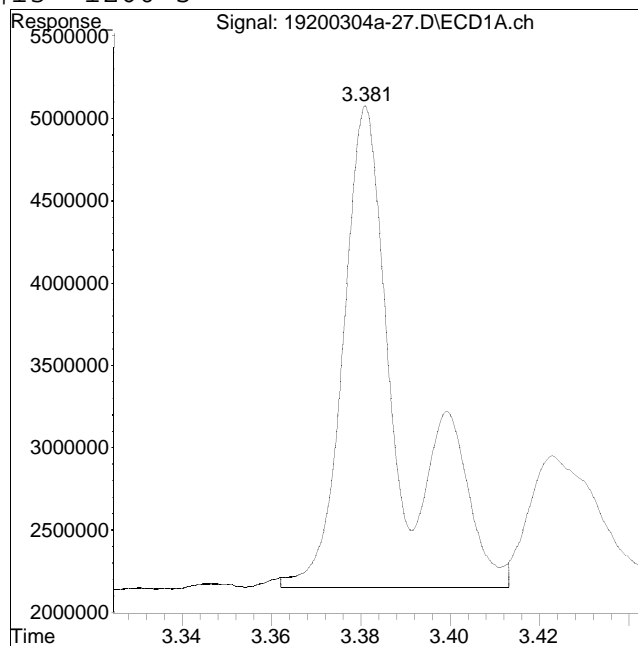
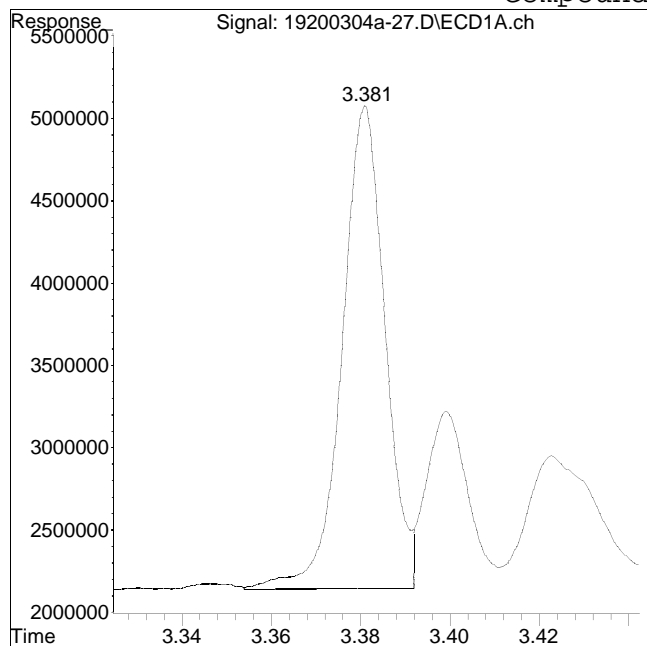
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-27.D
Date Inj'd : 3/4/2020 3:24 pm
Sample : 12008134-01,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:50 pm

Compound #13: 1260-5



Original Peak Response = 19518486

Manual Peak Response = 26327429 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:38 pm
 Operator : pest19:ht
 Sample : l2008134-03,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:56:07 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.992	1.033	36559876	56370536	250.000	250.000
Standard Area 1 : #1 = 27180134					Recovery =	134.51%
Standard Area 1 : #2 = 40808447					Recovery =	138.13%
14) i 2154_1br2nb	0.992	1.033	36559876	56370536	250.000	250.000
23) i 4268_1br2nb	0.992	1.033	36559876	56370536	250.000	250.000
34) i 1248_1br2nb	0.992	1.033	36559876	56370536	250.000	250.000
40) i 3262_1br2nb	0.992	1.033	36559876	56370536	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.376	66944616	89449221	350.885	310.682
Spiked Amount 500.000	Range 30 - 150				Recovery =	70.18%
3) s Decachlorobi	4.002	4.507	42465123	68034726	277.477	280.151
Spiked Amount 500.000	Range 30 - 150				Recovery =	55.50%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.567	2.949	20187399	30259683	2095.096	1995.505
10) l2 1260-2	2.711	3.062	44368033	52279120	3062.406	2937.991
11) l2 1260-3	3.055	3.480	27079861	51152531	2872.275	3298.090
12) l2 1260-4	3.225	3.622	65000218	98153887	3278.786	3007.338
13) l2 1260-5	3.383	3.833	54182781	73451922	3782.420M4	3239.636
Sum 1260-1			210.8E6	305.3E6	15090.984	14478.560
Average 1260-1					3018.197	2895.712

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:38 pm
 Operator : pest19:ht
 Sample : l2008134-03,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:56:07 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-29.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:38 pm
 Operator : pest19:ht
 Sample : l2008134-03,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:56:07 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

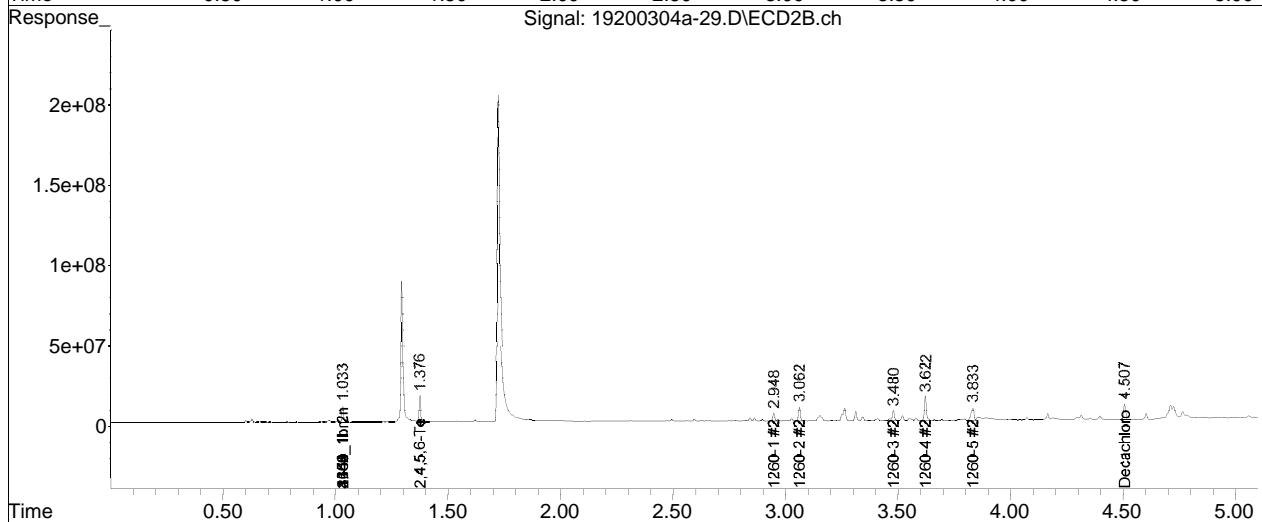
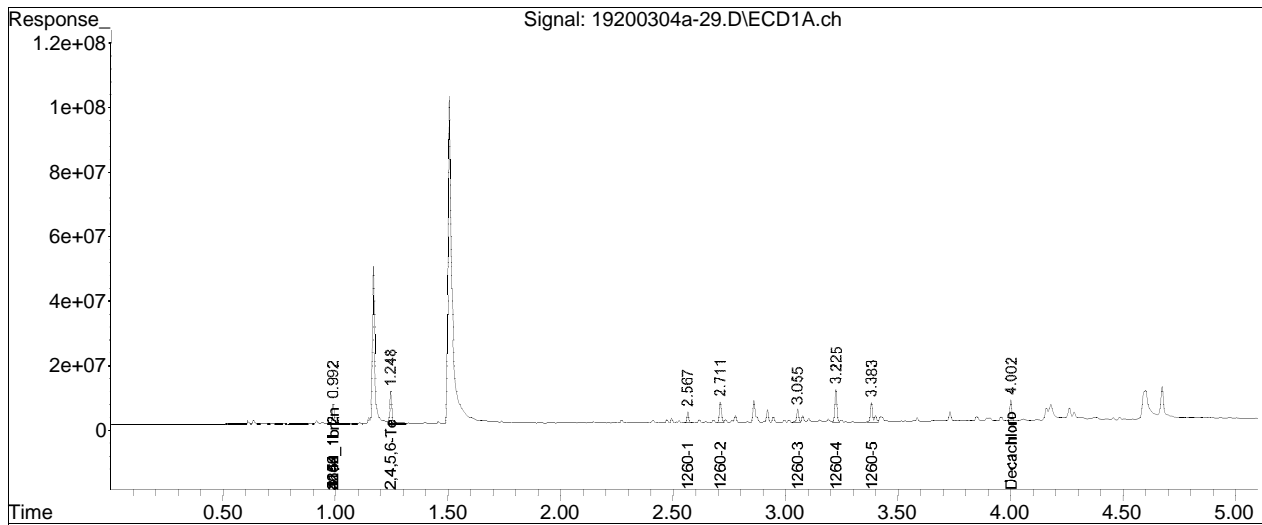
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-26.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-29.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 03:38 pm
Operator : pest19:ht
Sample : l2008134-03,42e,,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 05 22:56:07 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Thu Mar 05 22:49:31 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

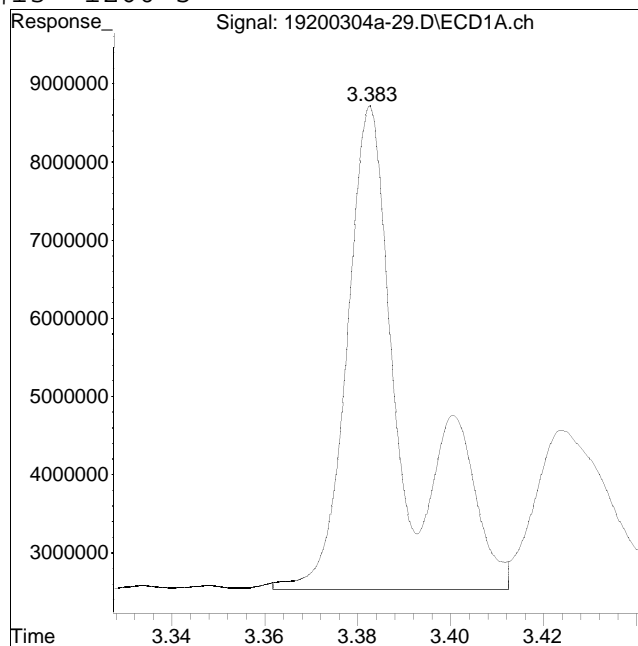
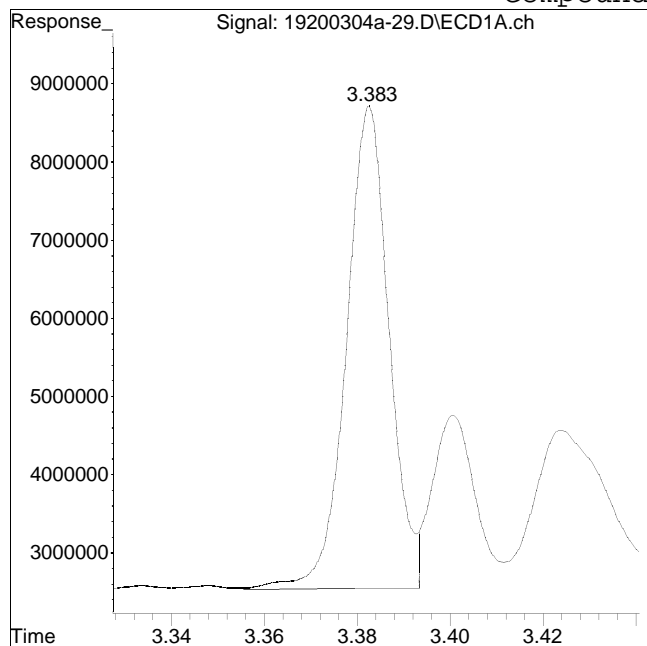


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-29.D
Date Inj'd : 3/4/2020 3:38 pm
Sample : 12008134-03,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:50 pm

Compound #13: 1260-5



Original Peak Response = 39378053

Manual Peak Response = 54182781 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:45 pm
 Operator : pest19:ht
 Sample : l2008134-04,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:56:44 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.993	1.034	37973032	55512258	250.000	250.000
Standard Area 1 : #1 = 27180134					Recovery =	139.71%
Standard Area 1 : #2 = 40808447					Recovery =	136.03%
14) i 2154_1br2nb	0.993	1.034	37973032	55512258	250.000	250.000
23) i 4268_1br2nb	0.993	1.034	37973032	55512258	250.000	250.000
34) i 1248_1br2nb	0.993	1.034	37973032	55512258	250.000	250.000
40) i 3262_1br2nb	0.993	1.034	37973032	55512258	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.377	54576263	76789898	275.412M4	270.837M4
Spiked Amount	500.000	Range	30 - 150	Recovery =	55.08%	54.17%
3) s Decachlorobi	4.002	4.507	44002814	72115882	276.824	301.547
Spiked Amount	500.000	Range	30 - 150	Recovery =	55.36%	60.31%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.567	2.949	23485277	33065337	2346.652	2214.240
10) l2 1260-2	2.711	3.064	62208006	79571949	4133.980	4540.936
11) l2 1260-3	3.055	3.481	37915598	54228147	3871.925	3550.450
12) l2 1260-4	3.225	3.623	84461698	138.5E6	4101.923	4308.107
13) l2 1260-5	3.382	3.834	81090861	110.5E6	5450.166M4	4948.941
Sum 1260-1			289.2E6	415.8E6	19904.647	19562.674
Average 1260-1					3980.929	3912.535

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:45 pm
 Operator : pest19:ht
 Sample : l2008134-04,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:56:44 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:45 pm
 Operator : pest19:ht
 Sample : l2008134-04,42e,,
 Misc : wg1347003,wg1346747,ical16321
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:56:44 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-30.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:45 pm
 Operator : pest19:ht
 Sample : l2008134-04,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:56:44 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

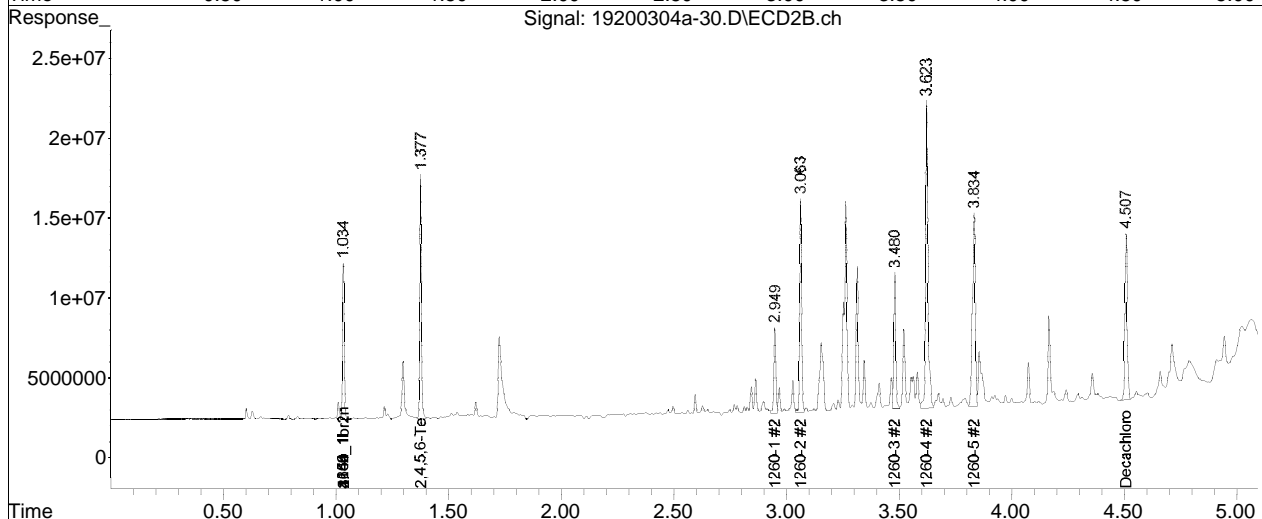
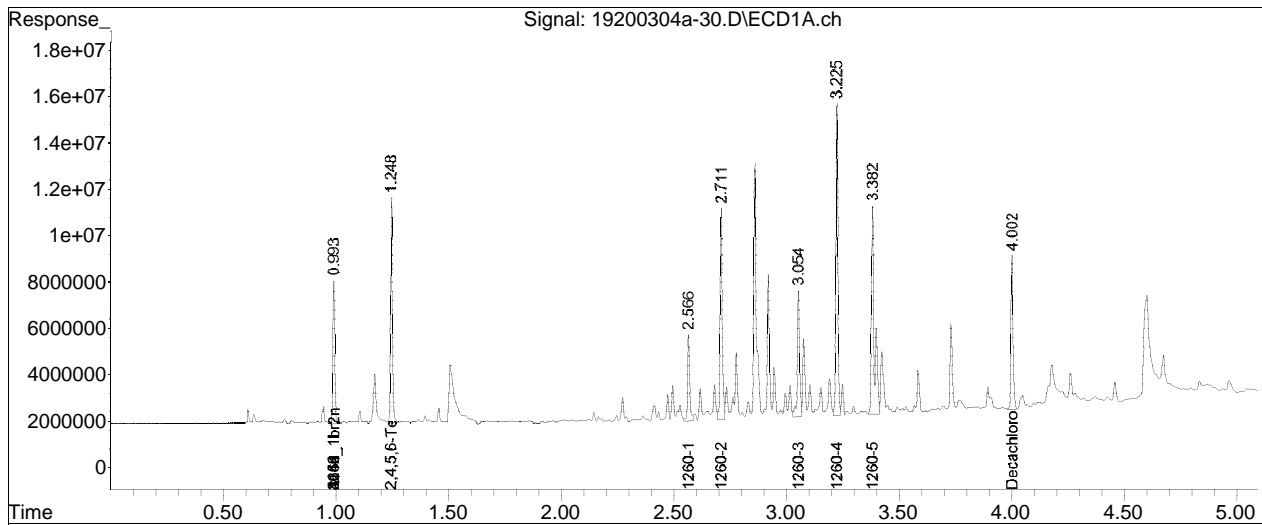
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-26.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-30.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 03:45 pm
Operator : pest19:ht
Sample : l2008134-04,42e,,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 05 22:56:44 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Thu Mar 05 22:49:31 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

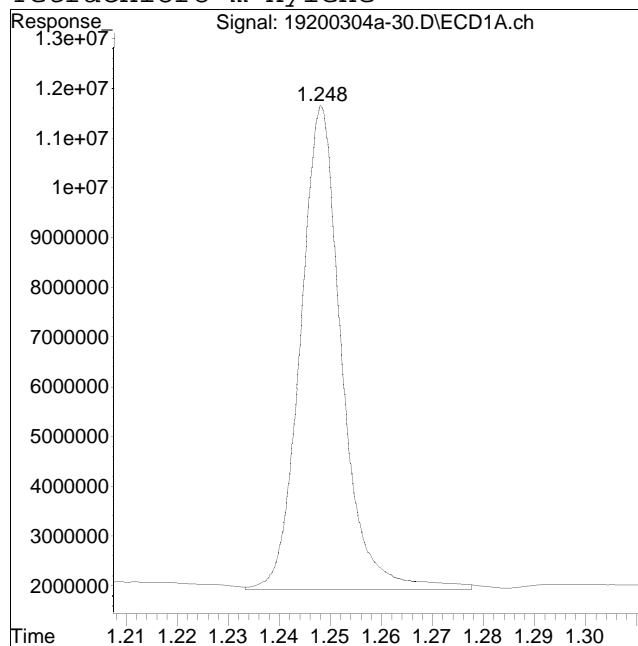
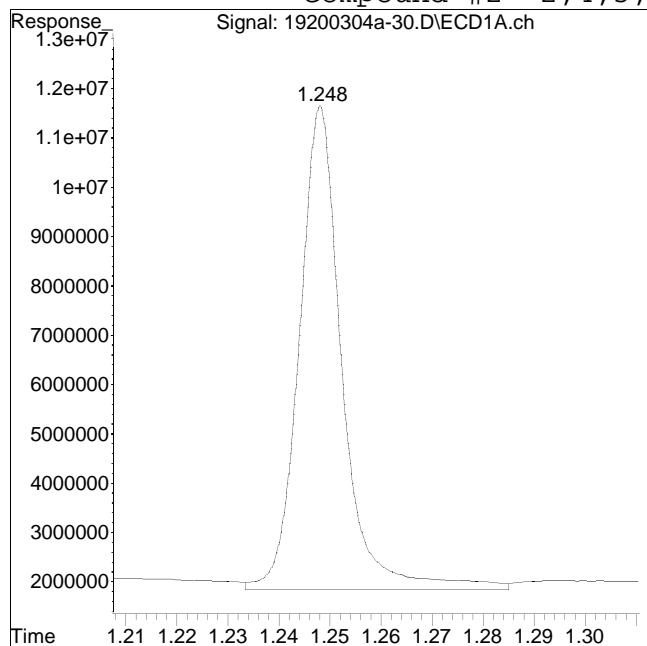


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-30.D
Date Inj'd : 3/4/2020 3:45 pm
Sample : 12008134-04,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:50 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 57420160

Manual Peak Response = 54576263 M4

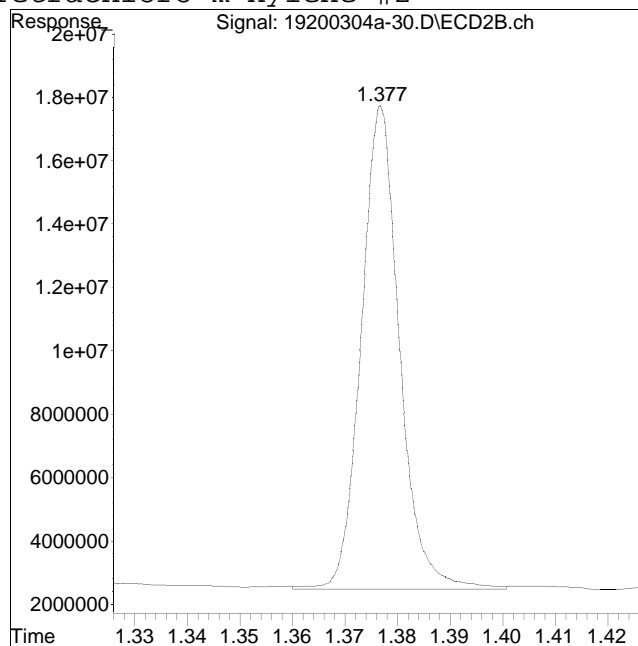
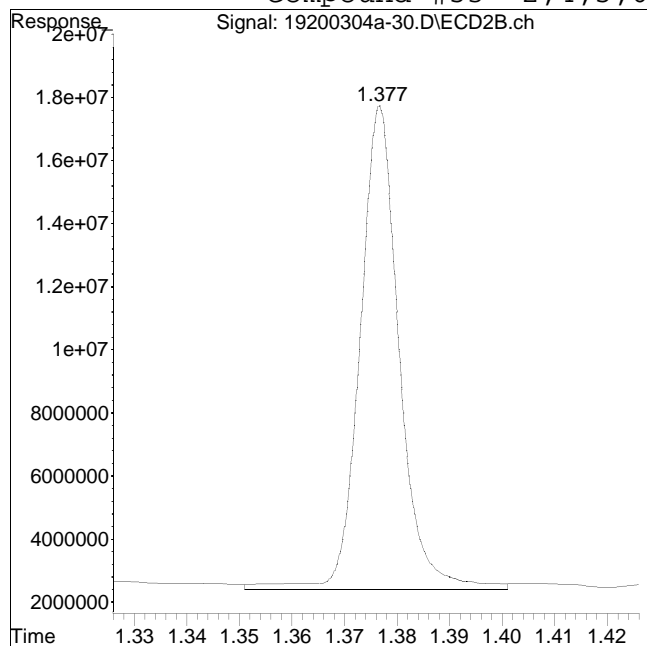
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-30.D
Date Inj'd : 3/4/2020 3:45 pm
Sample : 12008134-04,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:50 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 80331305

Manual Peak Response = 76789898 M4

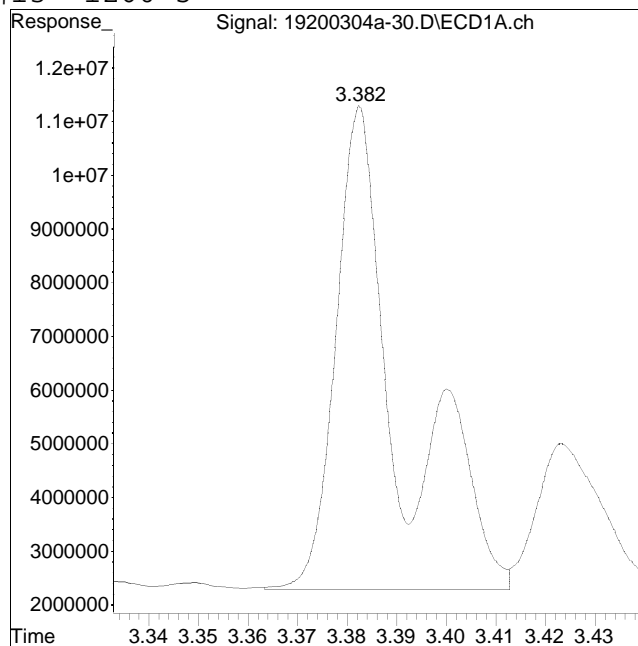
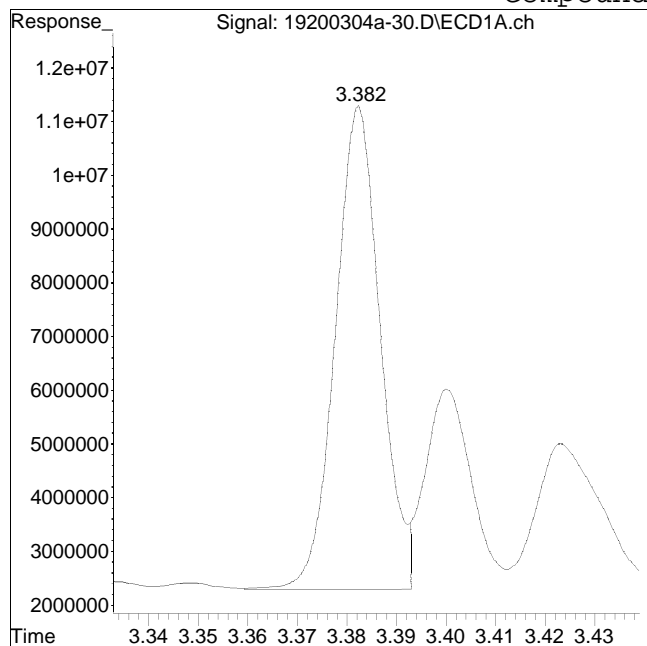
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-30.D
Date Inj'd : 3/4/2020 3:45 pm
Sample : 12008134-04,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:50 pm

Compound #13: 1260-5



Original Peak Response = 56383714

Manual Peak Response = 81090861 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:52 pm
 Operator : pest19:ht
 Sample : l2008134-05,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:57:19 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.994	1.035	36832183	54546348	250.000	250.000
Standard Area 1 : #1 = 27180134					Recovery =	135.51%
Standard Area 1 : #2 = 40808447					Recovery =	133.66%
14) i 2154_1br2nb	0.994	1.035	36832183	54546348	250.000	250.000
23) i 4268_1br2nb	0.994	1.035	36832183	54546348	250.000	250.000
34) i 1248_1br2nb	0.994	1.035	36832183	54546348	250.000	250.000
40) i 3262_1br2nb	0.994	1.035	36832183	54546348	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.249	1.377	52000613	72789330	270.542	261.273
Spiked Amount 500.000	Range 30 - 150				Recovery =	54.11%
3) s Decachlorobi	4.004	4.509	37633882	67435656	244.090	286.970
Spiked Amount 500.000	Range 30 - 150				Recovery =	48.82%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.567	2.950	22022362	32414302	2268.636	2209.081
10) l2 1260-2	2.713	3.064	20818882	17863759	1426.354	1037.484
11) l2 1260-3	3.056	3.481	27006925	42224543	2843.361	2813.500
12) l2 1260-4	3.226	3.623	60160298	99769573	3012.212	3159.070
13) l2 1260-5	3.383	3.835	51102793	71582027	3541.036M4	3262.748
Sum 1260-1			181.1E6	263.9E6	13091.598	12481.883
Average 1260-1					2618.320	2496.377

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:52 pm
 Operator : pest19:ht
 Sample : l2008134-05,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:57:19 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:52 pm
 Operator : pest19:ht
 Sample : l2008134-05,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 22:57:19 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

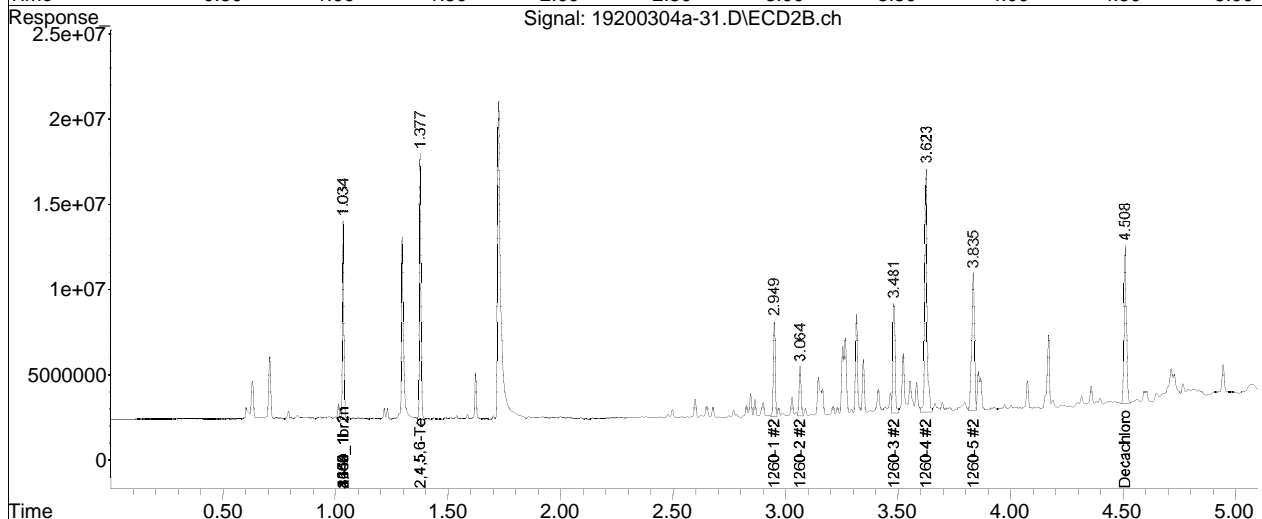
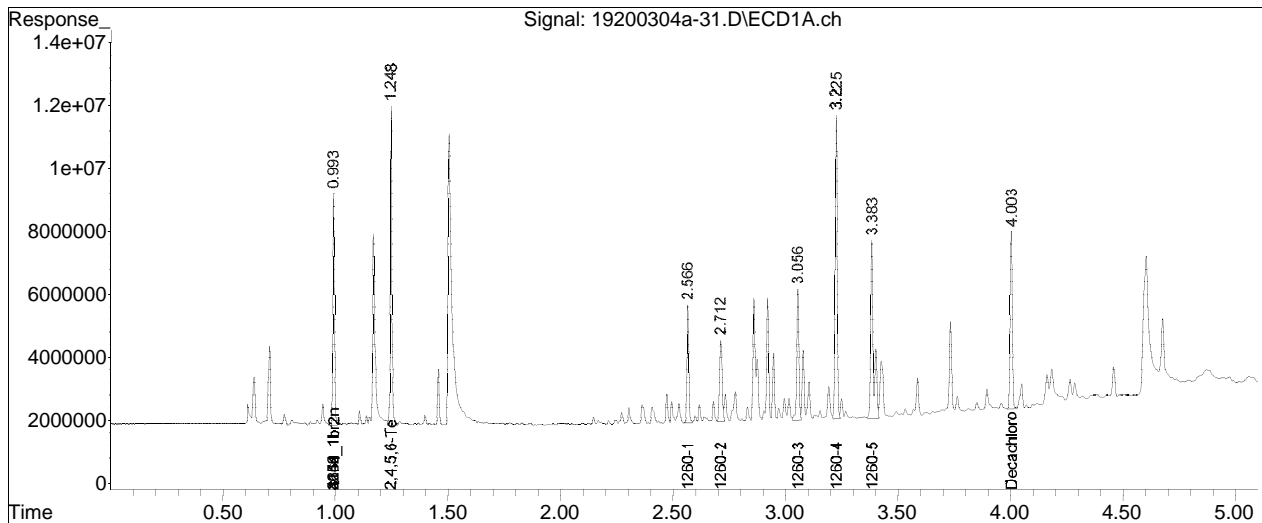
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-26.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-31.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 03:52 pm
Operator : pest19:ht
Sample : l2008134-05,42e,,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 05 22:57:19 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Thu Mar 05 22:49:31 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

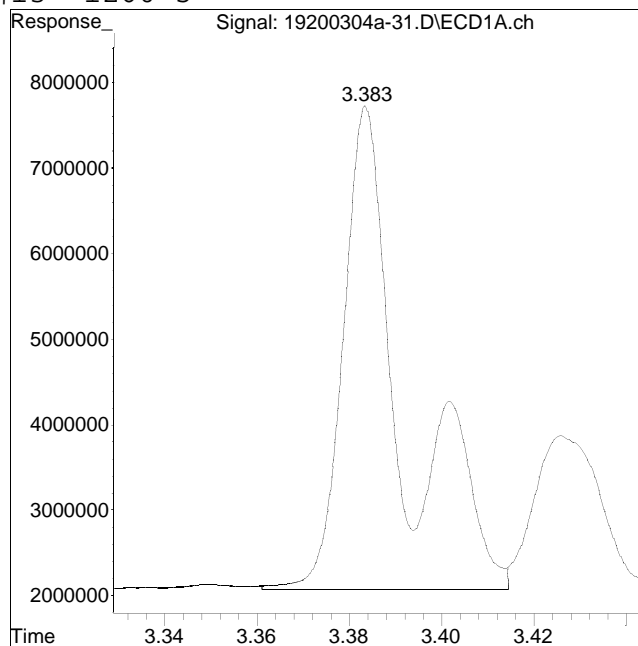
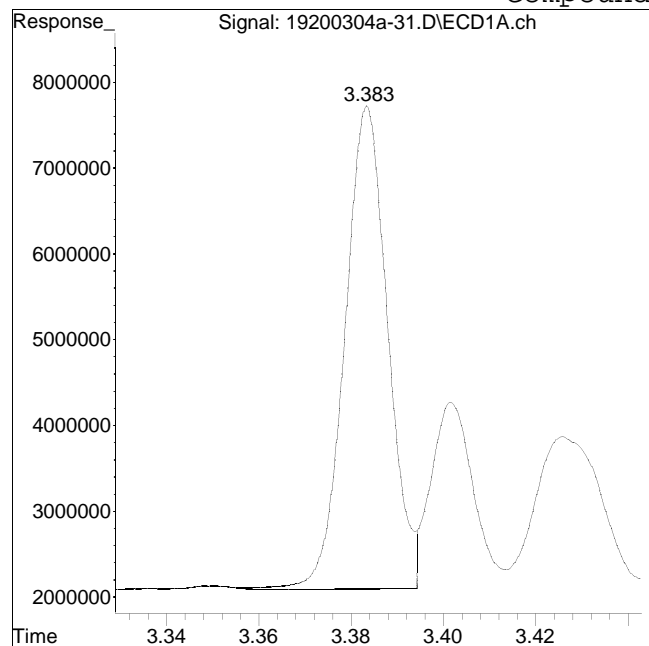


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-31.D
Date Inj'd : 3/4/2020 3:52 pm
Sample : 12008134-05,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:50 pm

Compound #13: 1260-5



Original Peak Response = 36265357

Manual Peak Response = 51102793 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:59 pm
 Operator : pest19:ht
 Sample : l2008134-06,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:01:51 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.995	1.036	36145617	54616177	250.000	250.000
Standard Area 1 : #1 = 27180134					Recovery = 132.99%	
Standard Area 1 : #2 = 40808447					Recovery = 133.84%	
14) i 2154_1br2nb	0.995	1.036	36145617	54616177	250.000	250.000
23) i 4268_1br2nb	0.995	1.036	36145617	54616177	250.000	250.000
34) i 1248_1br2nb	0.995	1.036	36145617	54616177	250.000	250.000
40) i 3262_1br2nb	0.995	1.036	36145617	54616177	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.250	1.379	46574060	68693661	246.912	246.256
Spiked Amount 500.000	Range 30 - 150				Recovery = 49.38%	49.25%
3) s Decachlorobi	4.004	4.508	36777868	71735037	243.069	304.876
Spiked Amount 500.000	Range 30 - 150				Recovery = 48.61%	60.98%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	3.057	3.482	19229356	28730771	2062.973	1911.937
12) l2 1260-4	3.229	3.626	44854225	73914416	2288.499	2337.409
13) l2 1260-5	3.384	3.835	38372638	53518763	2709.438M4	2436.296
Sum 1260-1			102.5E6	156.2E6	7060.909	6685.642
Average 1260-1					2353.636	2228.547

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:59 pm
 Operator : pest19:ht
 Sample : l2008134-06,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:01:51 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	2.148	2.499	6050571	11063242	850.563M4	962.589
19)	14 1254-2	2.279	0.000	10004430	0	807.491	N.D. d
20)	14 1254-3	2.475	2.845	13621328	22625117	1123.904	1242.776
21)	14 1254-4	2.621	2.970	11740947	10478235	1235.185	786.644
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			41417276	44166594	4017.143	2992.009
	Average 1254-1					1004.286	997.336
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-32.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 03:59 pm
 Operator : pest19:ht
 Sample : l2008134-06,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:01:51 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

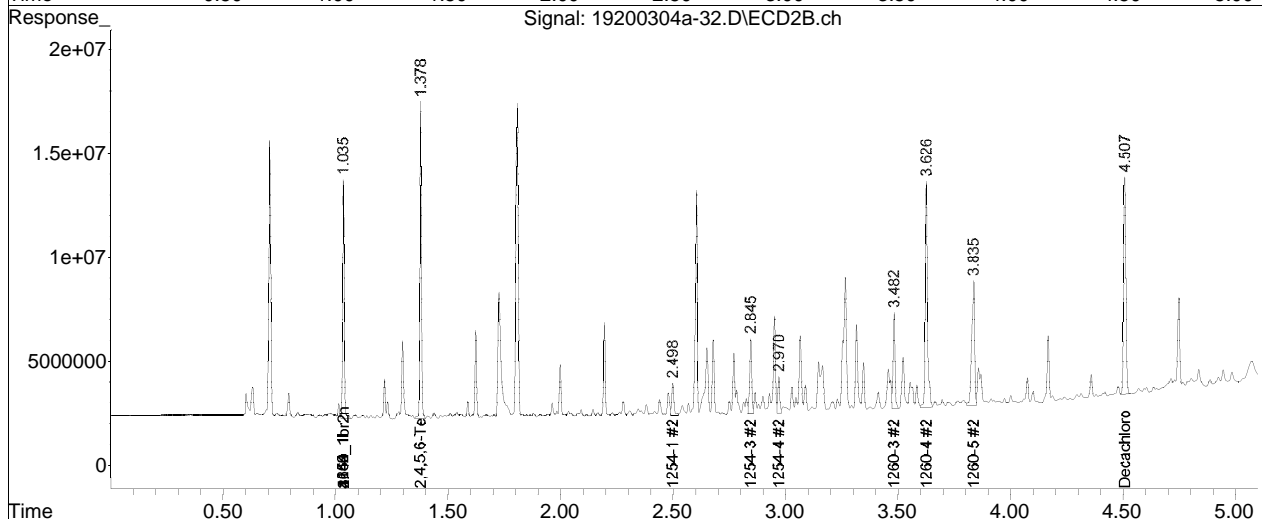
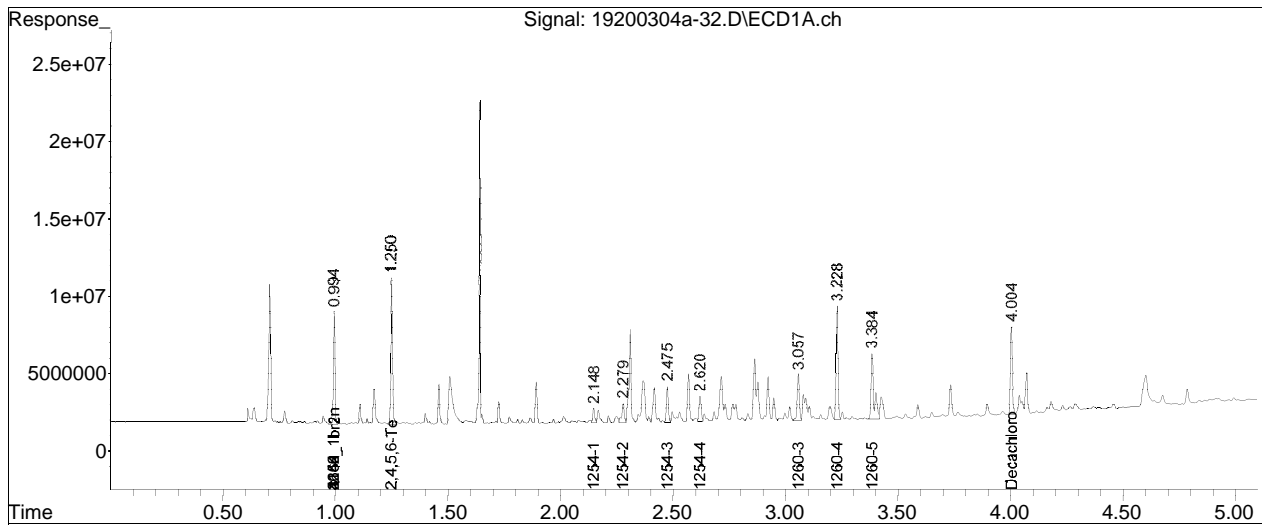
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-26.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-32.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 03:59 pm
Operator : pest19:ht
Sample : 12008134-06,42e,,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 05 23:01:51 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Thu Mar 05 22:49:31 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

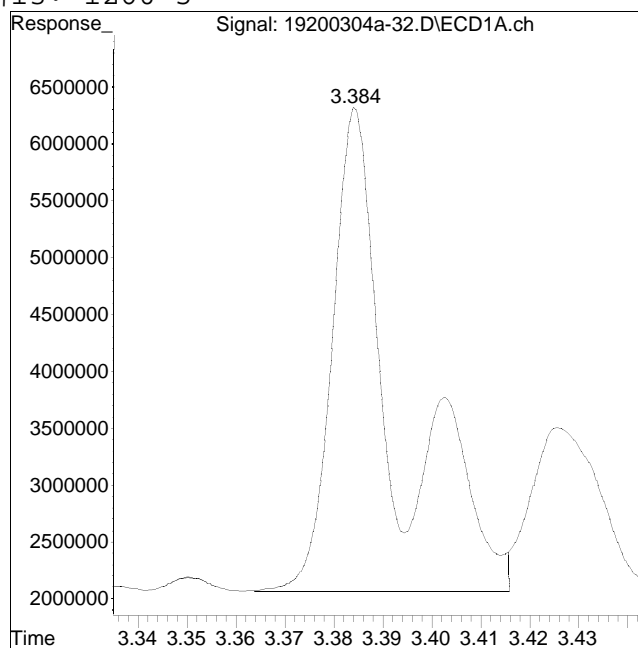
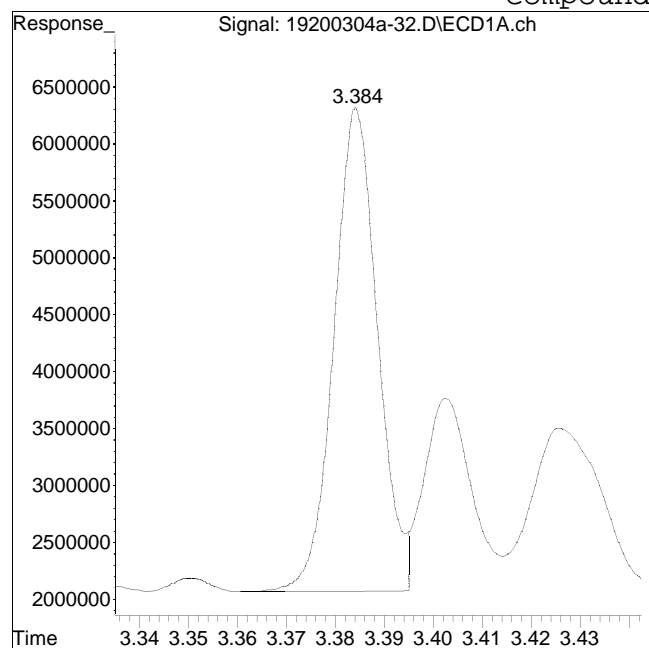


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-32.D
Date Inj'd : 3/4/2020 3:59 pm
Sample : 12008134-06,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:50 pm

Compound #13: 1260-5



Original Peak Response = 26160120

Manual Peak Response = 38372638 M4

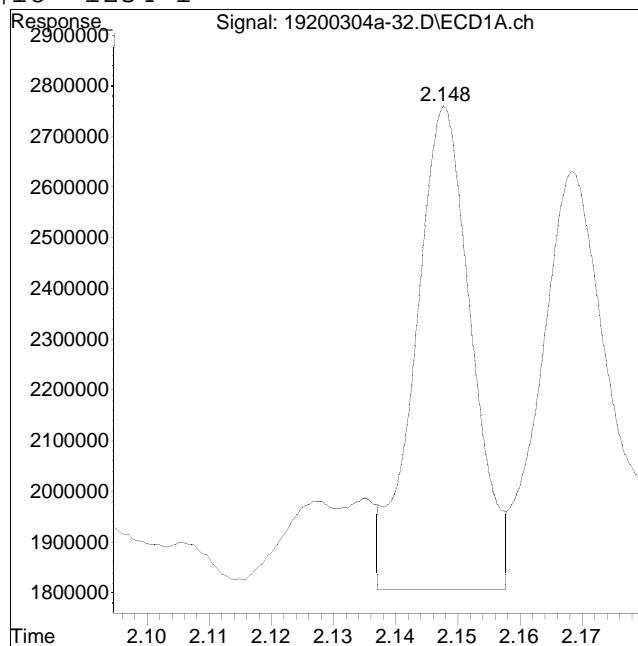
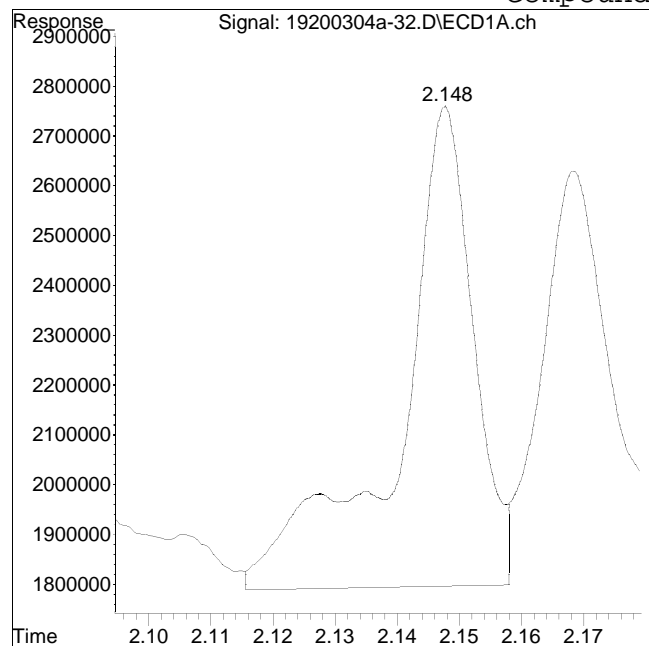
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-32.D
Date Inj'd : 3/4/2020 3:59 pm
Sample : 12008134-06,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:50 pm

Compound #18: 1254-1



Original Peak Response = 8037697

Manual Peak Response = 6050571 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:06 pm
 Operator : pest19:ht
 Sample : l2008134-07,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:03:01 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.994	1.035	40919648	61466947	250.000	250.000
Standard Area 1 : #1 = 27180134					Recovery = 150.55%	
Standard Area 1 : #2 = 40808447					Recovery = 150.62%	
14) i 2154_1br2nb	0.994	1.035	40919648	61466947	250.000	250.000
23) i 4268_1br2nb	0.994	1.035	40919648	61466947	250.000	250.000
34) i 1248_1br2nb	0.994	1.035	40919648	61466947	250.000	250.000
40) i 3262_1br2nb	0.994	1.035	40919648	61466947	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.250	1.379	48140740	71222411	225.442	226.865
Spiked Amount 500.000	Range 30 - 150				Recovery = 45.09%	45.37%
3) s Decachlorobi	4.005	4.508	36287920	121.4E6	211.850	458.265
Spiked Amount 500.000	Range 30 - 150				Recovery = 42.37%	91.65%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	3.058	3.484	15367772	24013719	1456.342	1419.925
12) l2 1260-4	3.233	3.629	36251085	57652954	1633.775	1619.969
13) l2 1260-5	3.385	3.837	32350373	41382096	2017.718M4	1673.848
Sum 1260-1			83969231	123.0E6	5107.835	4713.742
Average 1260-1					1702.612	1571.247

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:06 pm
 Operator : pest19:ht
 Sample : l2008134-07,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:03:01 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	2.149	2.500	6102824	12685058	757.818	980.687
19)	14 1254-2	2.283	0.000	9141021	0	651.724M4	N.D. d
20)	14 1254-3	2.477	2.847	15656388	28380247	1141.104	1385.153
21)	14 1254-4	2.623	2.972	16786298	13552154	1559.939	904.020
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			47686531	54617458	4110.585	3269.861
	Average 1254-1					1027.646	1089.954
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:06 pm
 Operator : pest19:ht
 Sample : 12008134-07,42e,,
 Misc : wg1347003,wg1346747,ical16321
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:03:01 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

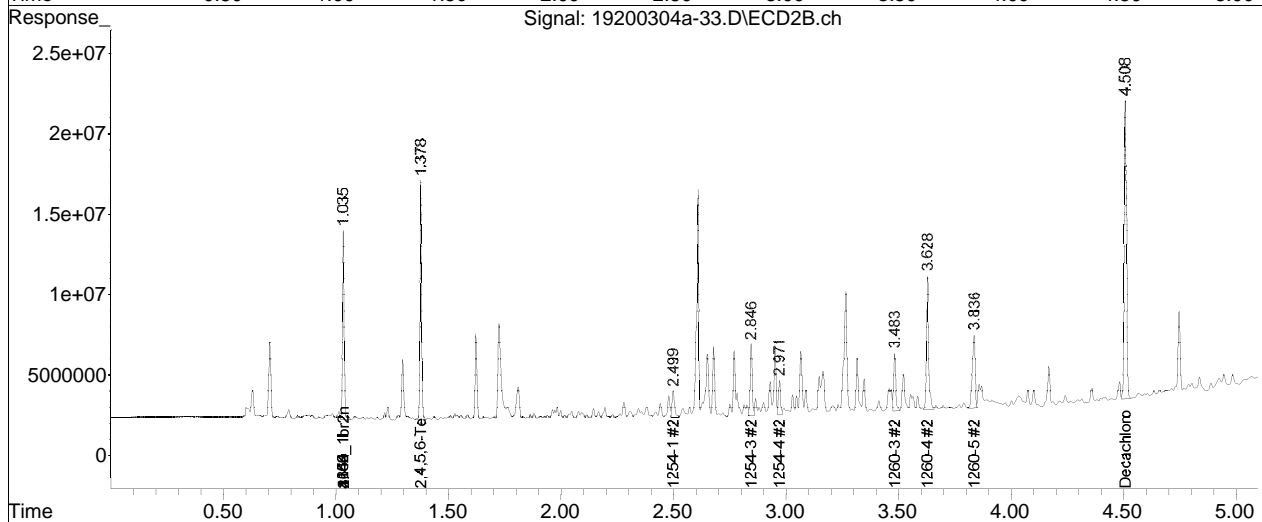
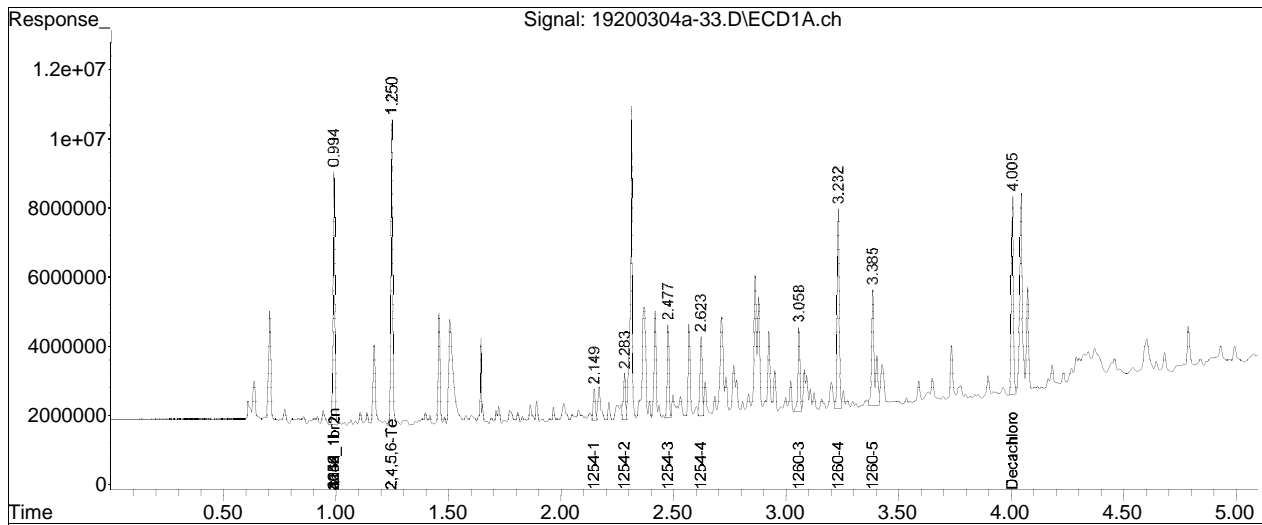
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-26.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-33.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 04:06 pm
Operator : pest19:ht
Sample : l2008134-07,42e,,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 05 23:03:01 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Thu Mar 05 22:49:31 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

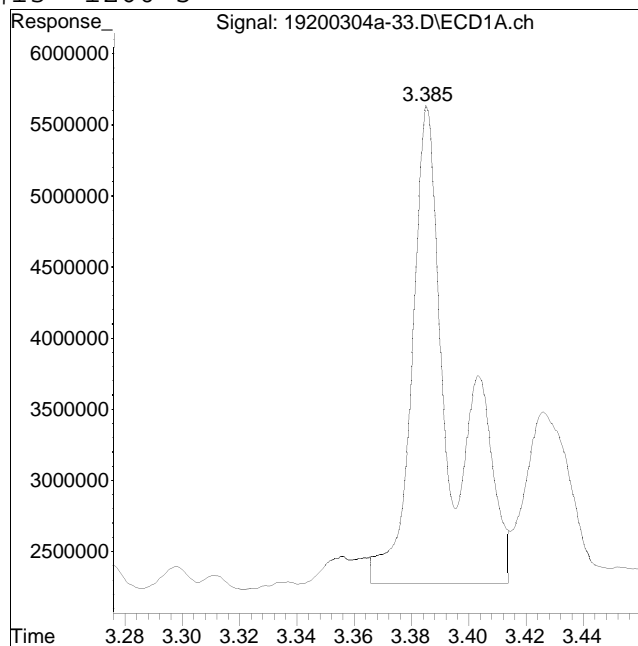
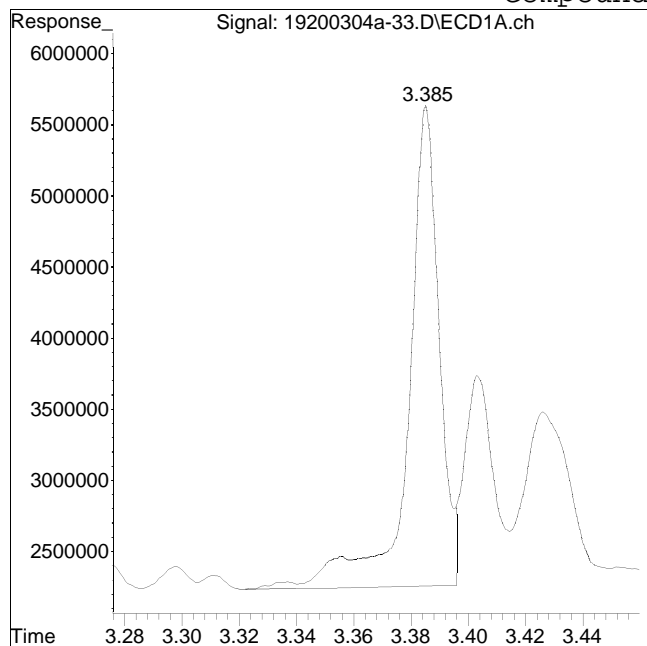


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-33.D
Date Inj'd : 3/4/2020 4:06 pm
Sample : 12008134-07,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:50 pm

Compound #13: 1260-5



Original Peak Response = 25261092

Manual Peak Response = 32350373 M4

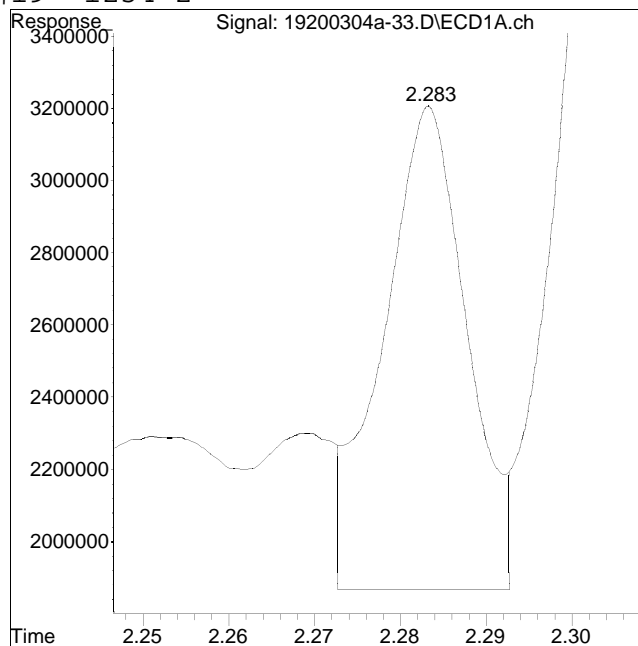
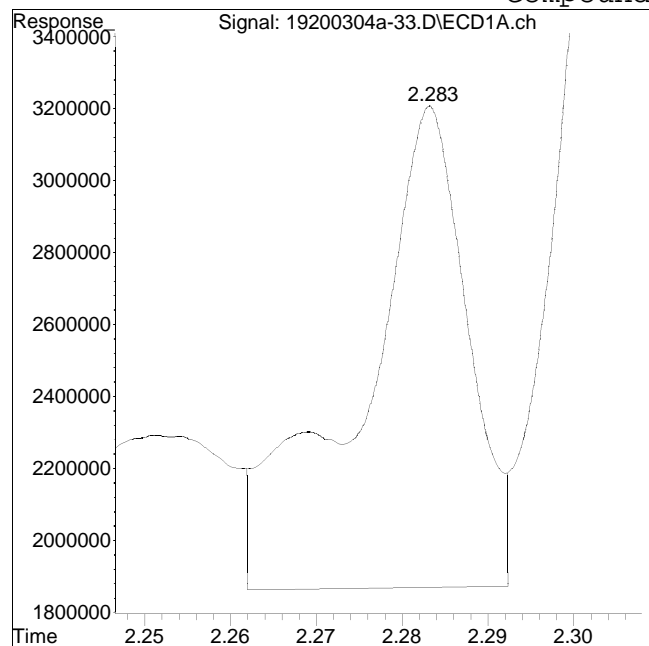
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-33.D
Date Inj'd : 3/4/2020 4:06 pm
Sample : 12008134-07,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:50 pm

Compound #19: 1254-2



Original Peak Response = 11682097

Manual Peak Response = 9141021 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:12 pm
 Operator : pest19:ht
 Sample : l2008134-14,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:26:48 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.993	1.034	36620912	55470458	250.000	250.000
Standard Area 1 : #1 = 27180134					Recovery =	134.73%
Standard Area 1 : #2 = 40808447					Recovery =	135.93%
14) i 2154_1br2nb	0.993	1.034	36620912	55470458	250.000	250.000
23) i 4268_1br2nb	0.993	1.034	36620912	55470458	250.000	250.000
34) i 1248_1br2nb	0.993	1.034	36620912	55470458	250.000	250.000
40) i 3262_1br2nb	0.993	1.034	36620912	55470458	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.377	52517809	79363978	274.809	280.126
Spiked Amount 500.000	Range 30 - 150				Recovery =	54.96%
3) s Decachlorobi	4.003	4.509	38865483	73218487	253.533	306.388
Spiked Amount 500.000	Range 30 - 150				Recovery =	50.71%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.567	2.950	673756	953563	69.807	63.904
10) l2 1260-2	2.712	3.065	1502189	1901575	103.512	108.599
11) l2 1260-3	0.000	3.482	0	1627944	N.D. d	106.666
12) l2 1260-4	3.225	3.624	2774792	4015284	139.735M4	125.021
13) l2 1260-5	3.383	3.835	1742830	2109823	121.462M4	94.565
Sum 1260-1			6693567	10608189	434.516	498.754
Average 1260-1					108.629	99.751

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:12 pm
 Operator : pest19:ht
 Sample : 12008134-14,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:26:48 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-34.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:12 pm
 Operator : pest19:ht
 Sample : l2008134-14,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:26:48 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

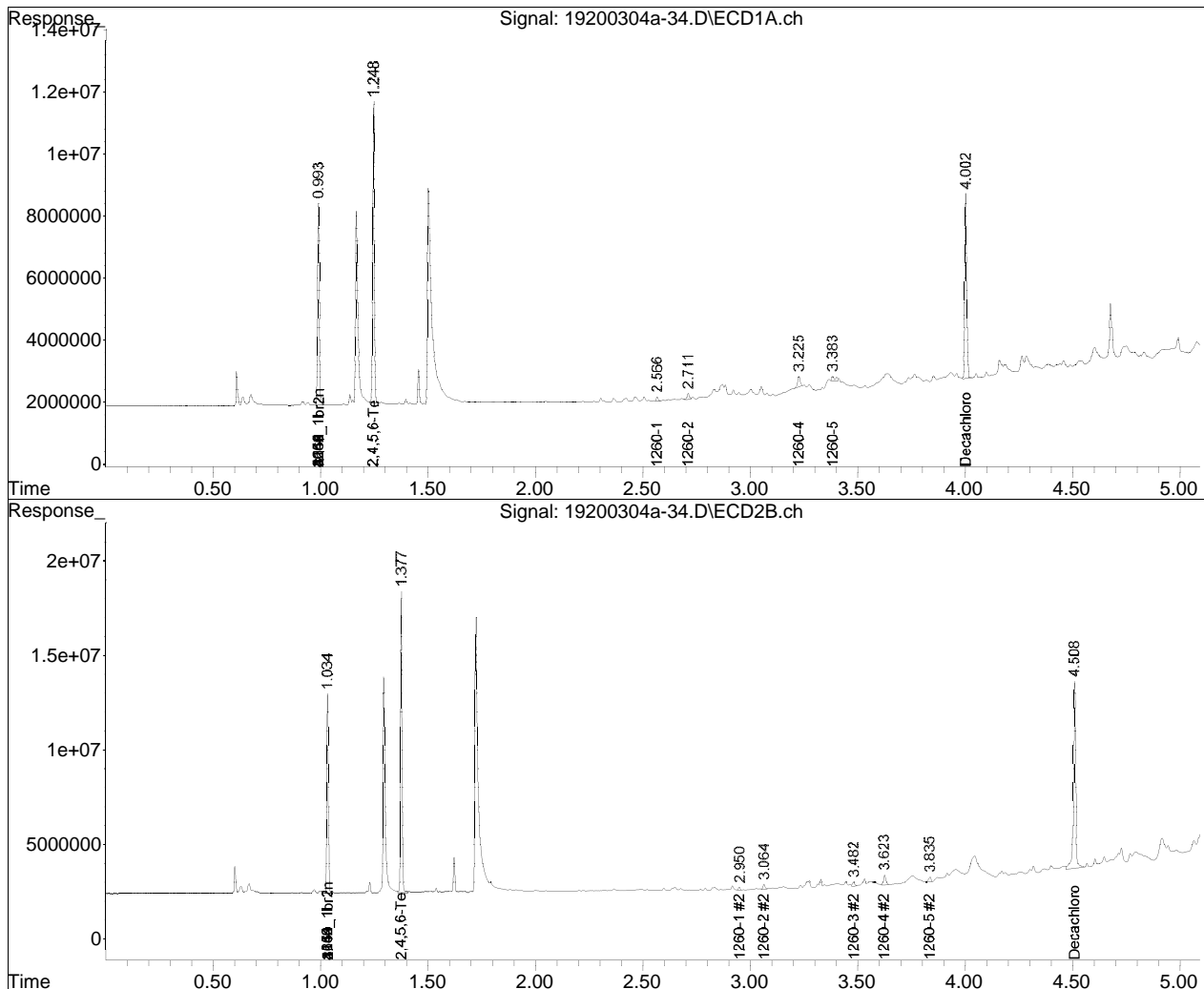
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-26.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-34.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 04:12 pm
Operator : pest19:ht
Sample : l2008134-14,42e,,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 05 23:26:48 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Thu Mar 05 22:49:31 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

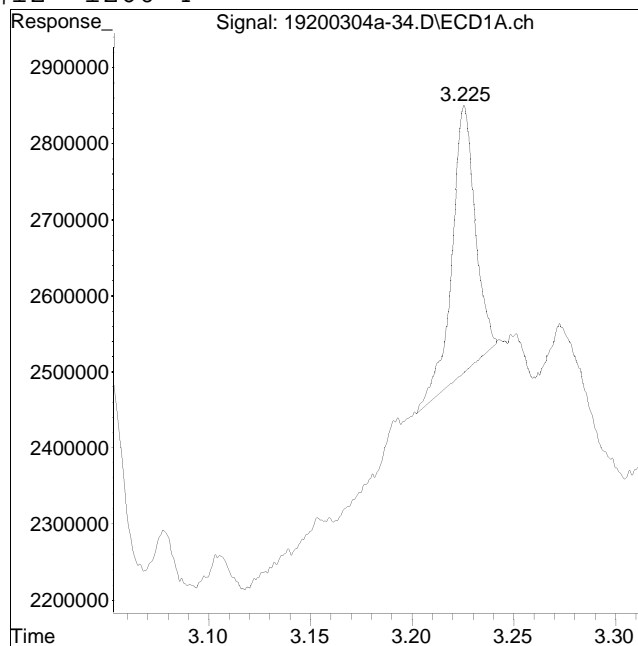
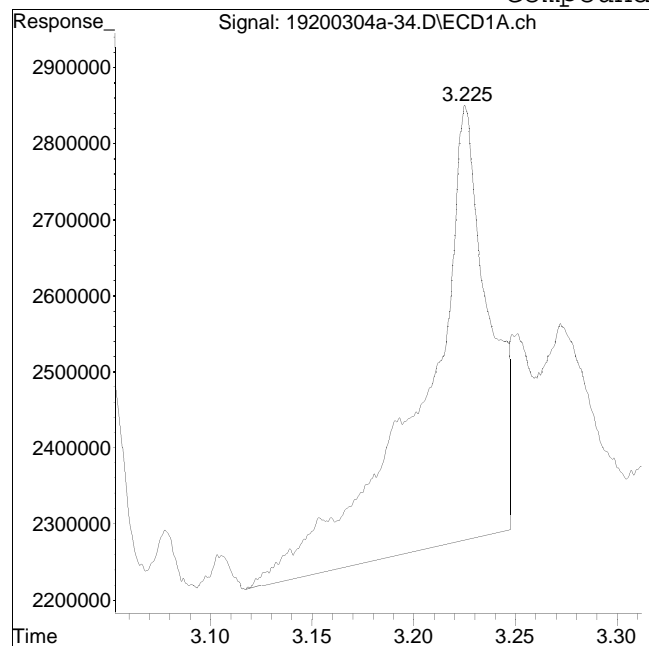


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-34.D
Date Inj'd : 3/4/2020 4:12 pm
Sample : 12008134-14,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #12: 1260-4



Original Peak Response = 12635996

Manual Peak Response = 2774792 M4

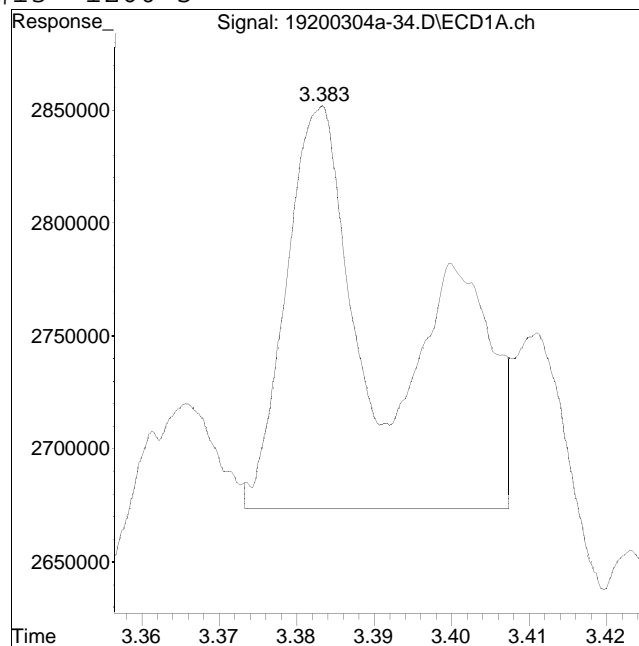
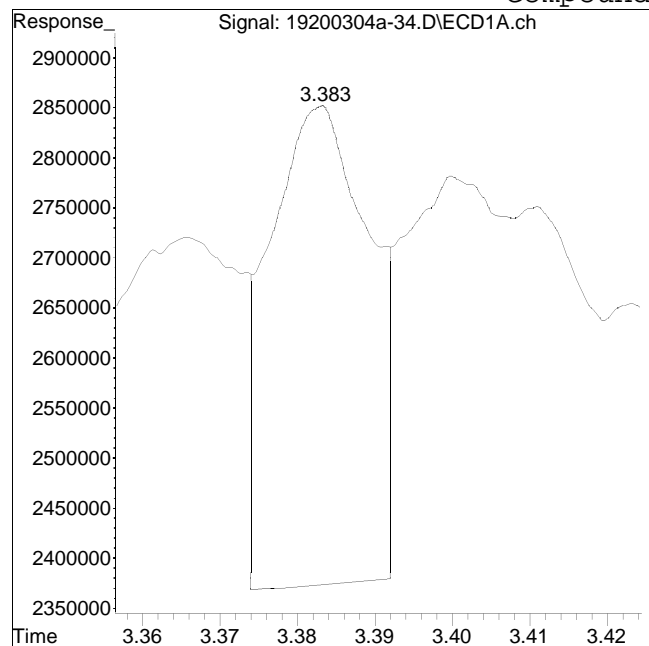
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-34.D
Date Inj'd : 3/4/2020 4:12 pm
Sample : 12008134-14,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #13: 1260-5



Original Peak Response = 4261128

Manual Peak Response = 1742830 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:19 pm
 Operator : pest19:ht
 Sample : l2008134-15,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:31:55 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.994	1.035	39084494	58140778	250.000M4	250.000M4
Standard Area 1 : #1 = 27180134			Recovery = 143.80%			
Standard Area 1 : #2 = 40808447			Recovery = 142.47%			
14) i 2154_1br2nb	0.994	1.035	39084494	58140778	250.000M4	250.000M4
23) i 4268_1br2nb	0.994	1.035	39084494	58140778	250.000M4	250.000M4
34) i 1248_1br2nb	0.994	1.035	39084494	58140778	250.000M4	250.000M4
40) i 3262_1br2nb	0.994	1.035	39084494	58140778	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.248	1.377	57537050	82669458	282.096M4	278.392M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 56.42% 55.68%			
3) s Decachlorobi	4.003	4.508	43442660	91071815	265.528	363.594M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 53.11% 72.72%			
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.567	2.950	22490386	32121001	2183.337	2053.756
10) l2 1260-2	2.711	3.064	41917506	51890438	2706.377	2827.358

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:19 pm
 Operator : pest19:ht
 Sample : l2008134-15,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:31:55 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) 12 1260-3	3.055	3.482	25775132	34039101	2557.295	2127.869
12) 12 1260-4	3.226	3.624	59070564	93494853	2787.209	2777.370
13) 12 1260-5	3.383	3.835	49373287	67984161	3224.042M4	2907.182
Sum 1260-1			198.6E6	279.5E6	13458.260	12693.534
Average 1260-1					2691.652	2538.707
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:19 pm
 Operator : pest19:ht
 Sample : l2008134-15,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:31:55 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-35.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:19 pm
 Operator : pest19:ht
 Sample : l2008134-15,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:31:55 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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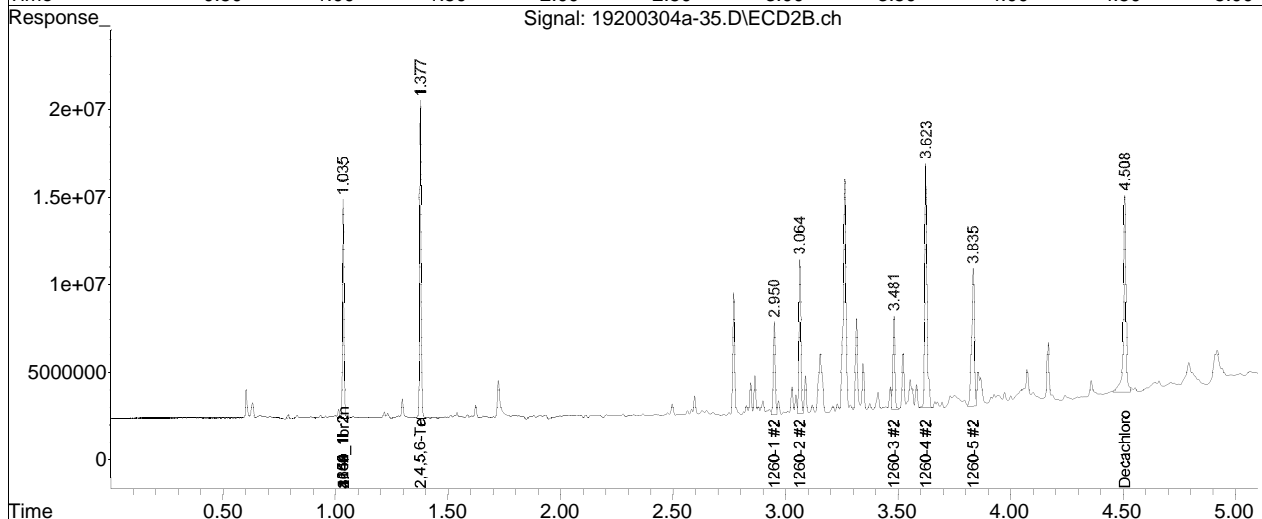
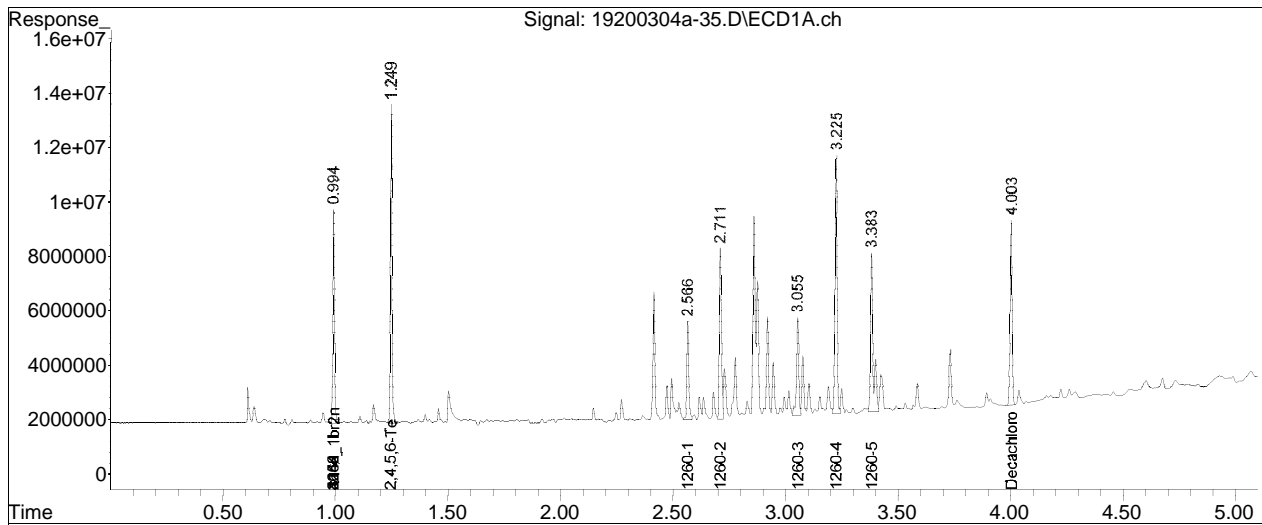
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-26.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-35.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 04:19 pm
Operator : pest19:ht
Sample : l2008134-15,42e,,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 05 23:31:55 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Thu Mar 05 22:49:31 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

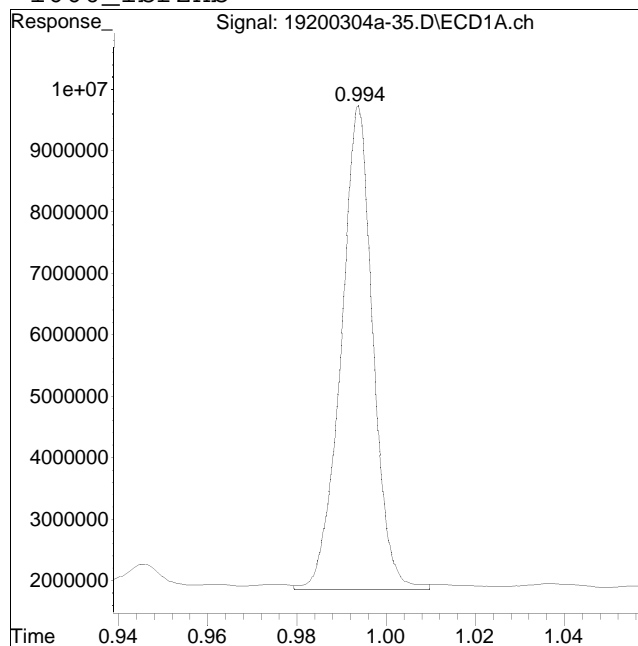
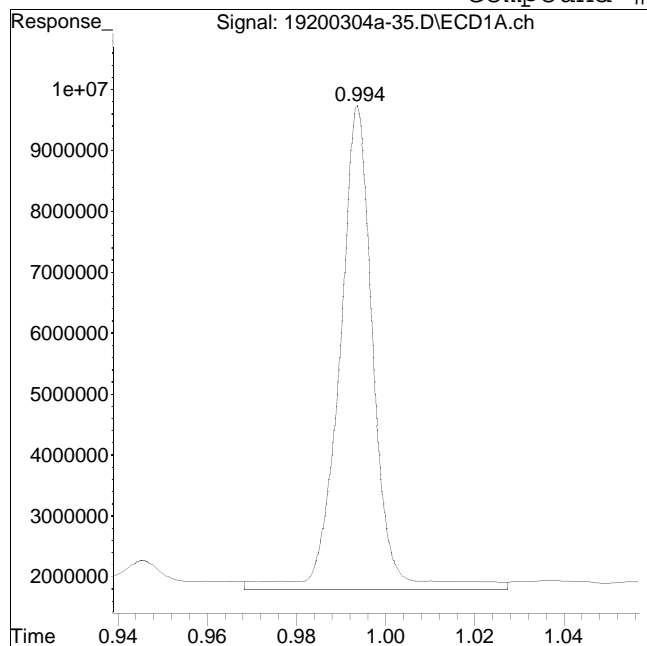


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-35.D
Date Inj'd : 3/4/2020 4:19 pm
Sample : 12008134-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #1: 1660_1br2nb



Original Peak Response = 42409431

Manual Peak Response = 39084494 M4

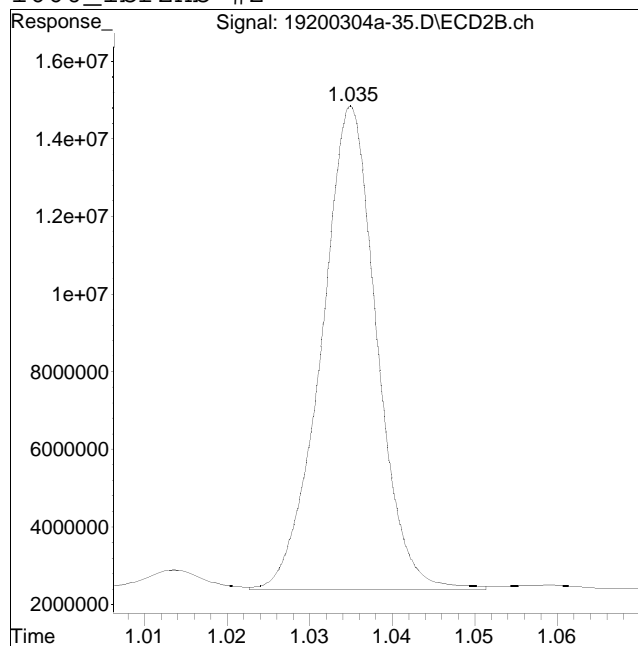
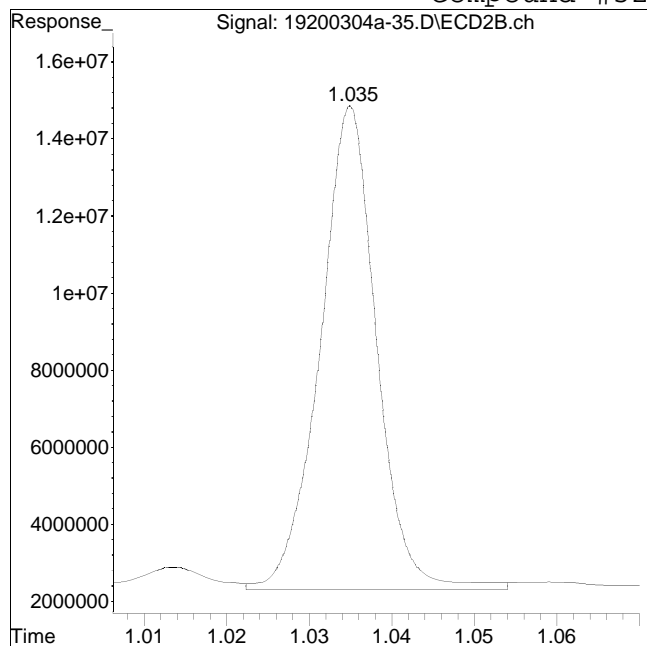
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-35.D
Date Inj'd : 3/4/2020 4:19 pm
Sample : 12008134-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 59835494

Manual Peak Response = 58140778 M4

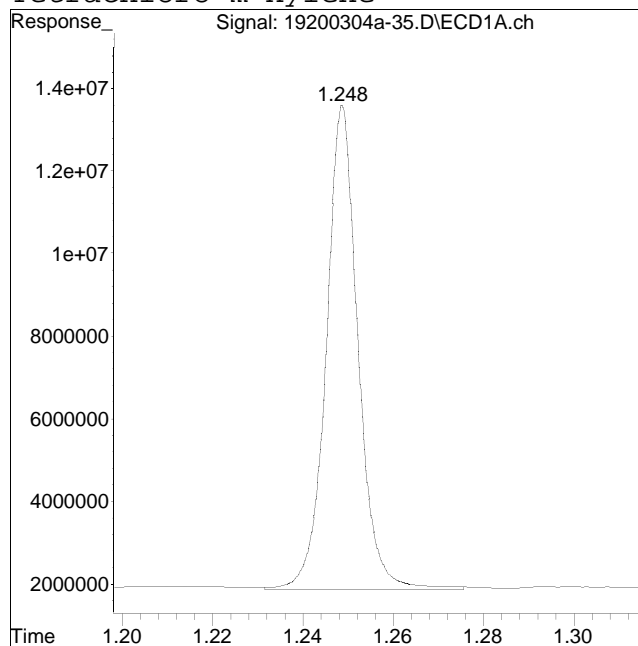
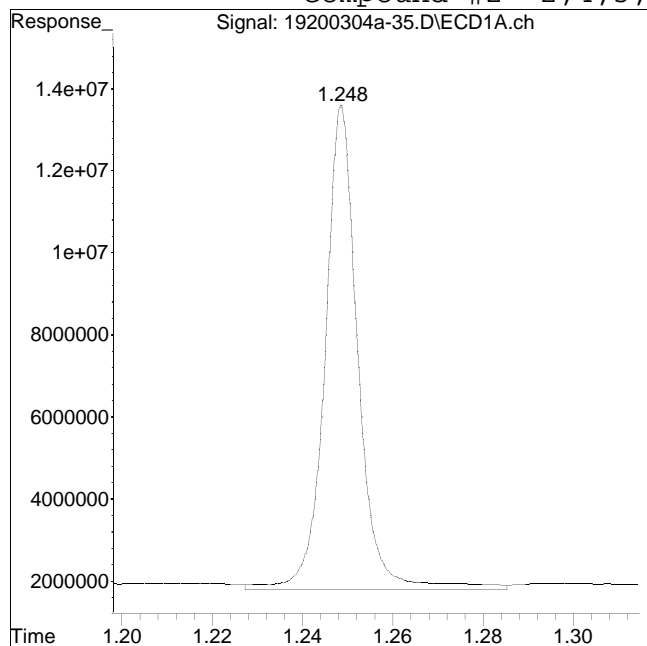
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-35.D
Date Inj'd : 3/4/2020 4:19 pm
Sample : 12008134-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 60640344

Manual Peak Response = 57537050 M4

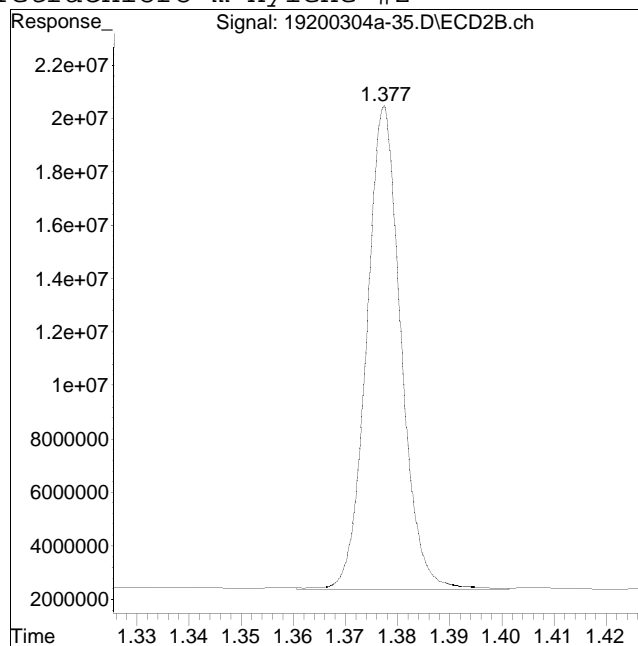
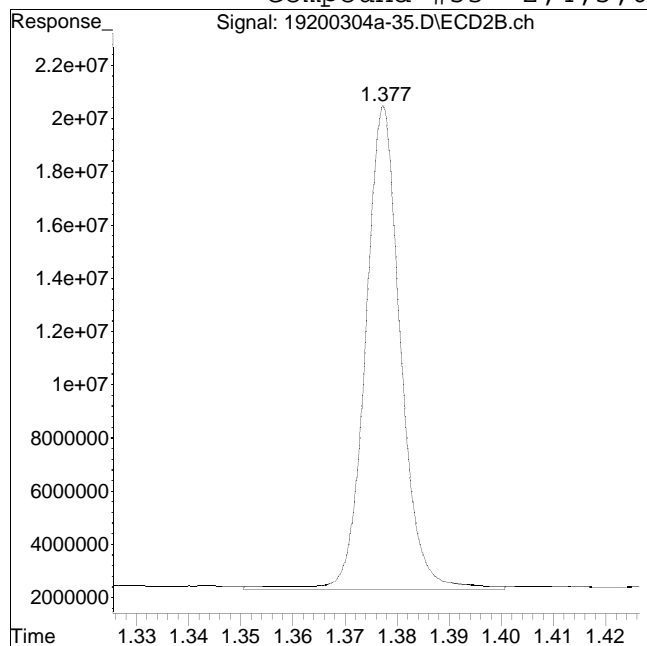
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-35.D
Date Inj'd : 3/4/2020 4:19 pm
Sample : 12008134-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 85551559

Manual Peak Response = 82669458 M4

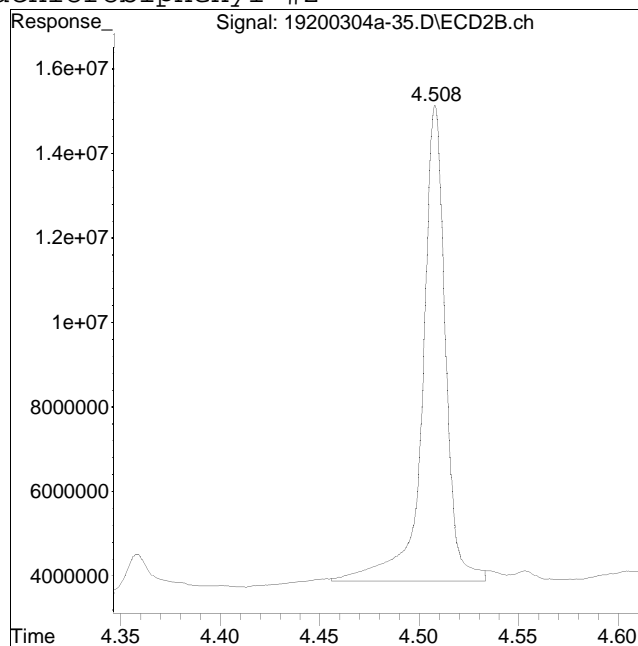
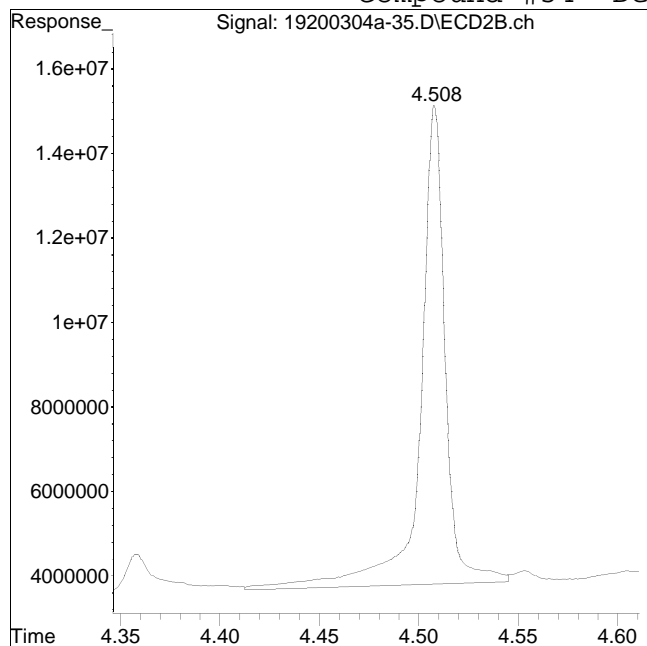
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-35.D
Date Inj'd : 3/4/2020 4:19 pm
Sample : 12008134-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 100026724

Manual Peak Response = 91071815 M4

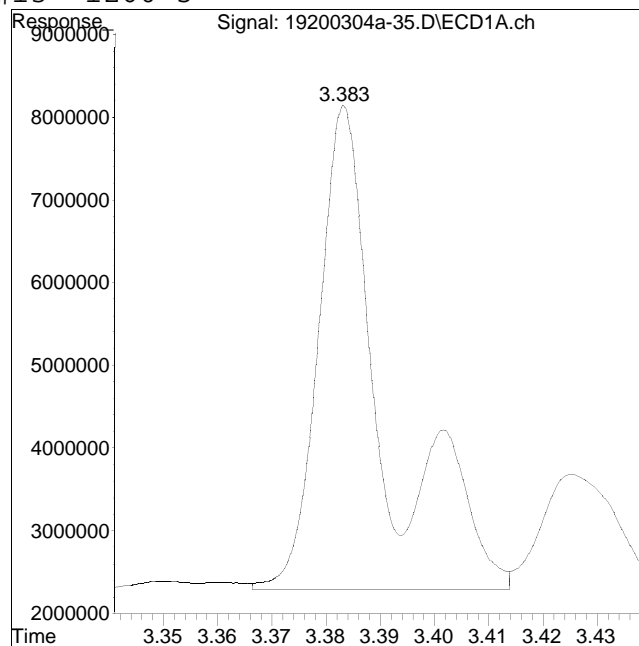
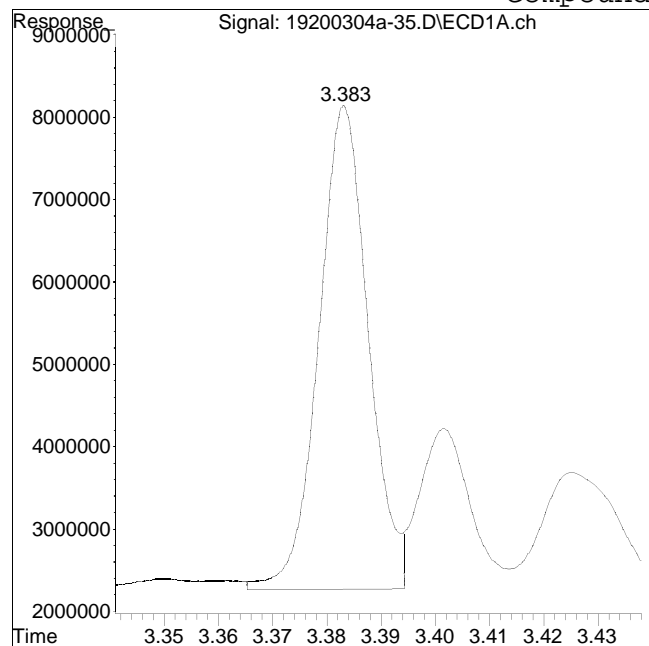
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-35.D
Date Inj'd : 3/4/2020 4:19 pm
Sample : 12008134-15,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #13: 1260-5



Original Peak Response = 37200026

Manual Peak Response = 49373287 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:29 pm
 Operator : pest19:ht
 Sample : l2008134-16,42e,,
 Misc : wgl347003,wgl346747,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:33:22 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.995	1.033	35111752	54963831	250.000	250.000
Standard Area 1 : #1 = 27180134					Recovery =	129.18%
Standard Area 1 : #2 = 40808447					Recovery =	134.69%
14) i 2154_1br2nb	0.995	1.033	35111752	54963831	250.000	250.000
23) i 4268_1br2nb	0.995	1.033	35111752	54963831	250.000	250.000
34) i 1248_1br2nb	0.995	1.033	35111752	54963831	250.000	250.000
40) i 3262_1br2nb	0.995	1.033	35111752	54963831	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.254	1.377	38145928	57032352	208.185	203.159
Spiked Amount 500.000	Range 30 - 150				Recovery =	41.64%
3) s Decachlorobi	4.014	4.512	31927339	157.8E6	217.225M4	666.359
Spiked Amount 500.000	Range 30 - 150				Recovery =	43.45%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.579	2.955	6877506	10995022	743.202	743.635
10) l2 1260-2	2.723	3.068	11612918	12368266	834.615	712.863M3
11) l2 1260-3	3.067	3.486	7229557	12594933	798.442	832.849
12) l2 1260-4	3.242	3.632	16631914	24635817	873.560	774.135M4
13) l2 1260-5	3.394	3.840	14947454	16634003	1086.495M4	752.428
Sum 1260-1			57299349	77228042	4336.314	3815.911
Average 1260-1					867.263	763.182

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:29 pm
 Operator : pest19:ht
 Sample : l2008134-16,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:33:22 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:29 pm
 Operator : pest19:ht
 Sample : l2008134-16,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:33:22 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

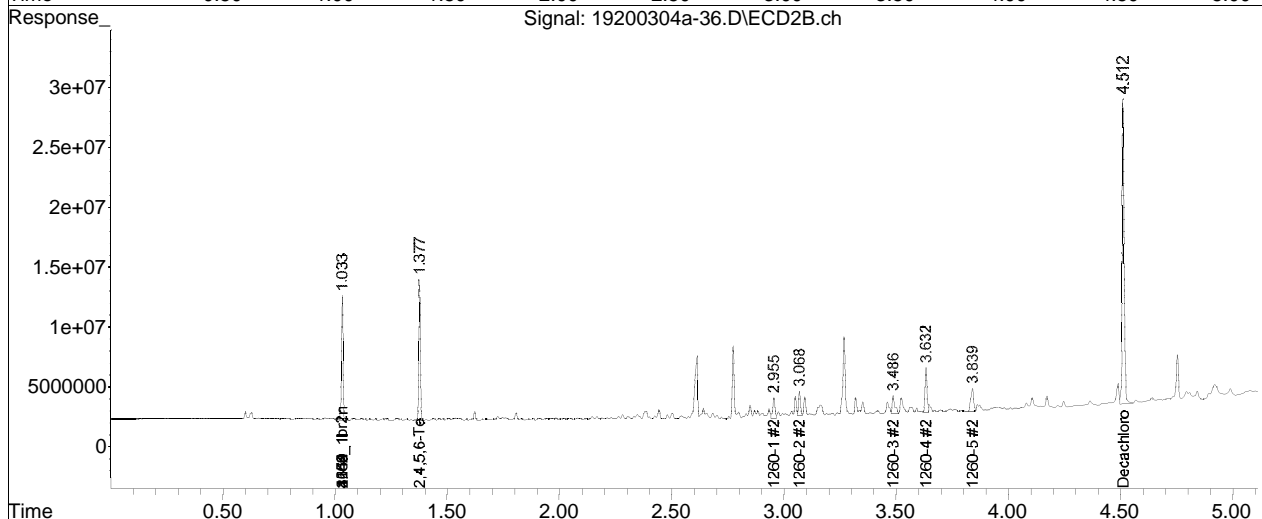
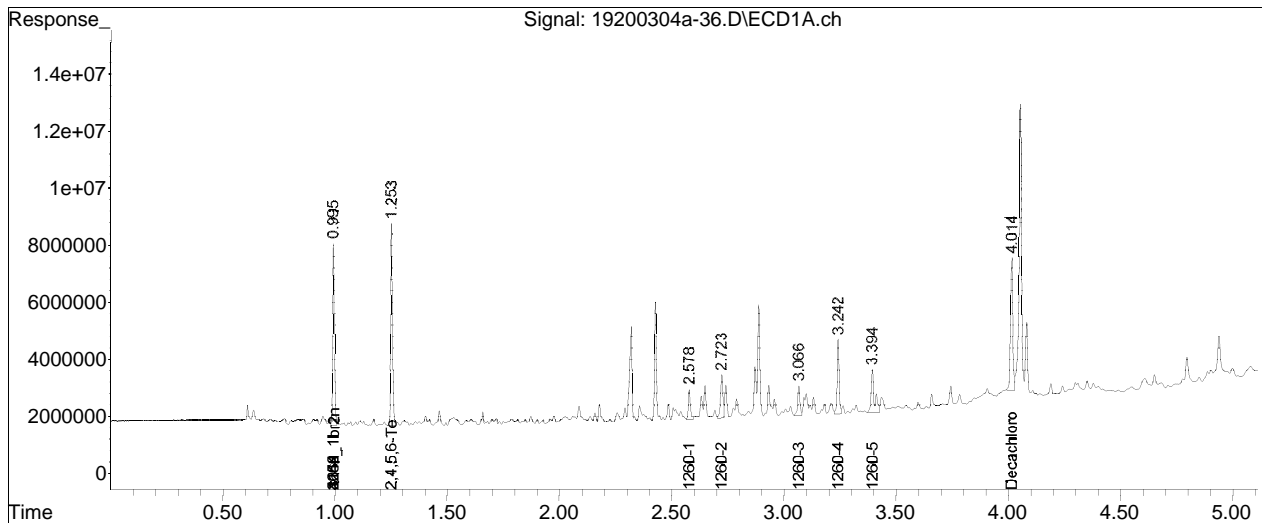
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-26.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 04:29 pm
Operator : pest19:ht
Sample : l2008134-16,42e,,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 05 23:33:22 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Thu Mar 05 22:49:31 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

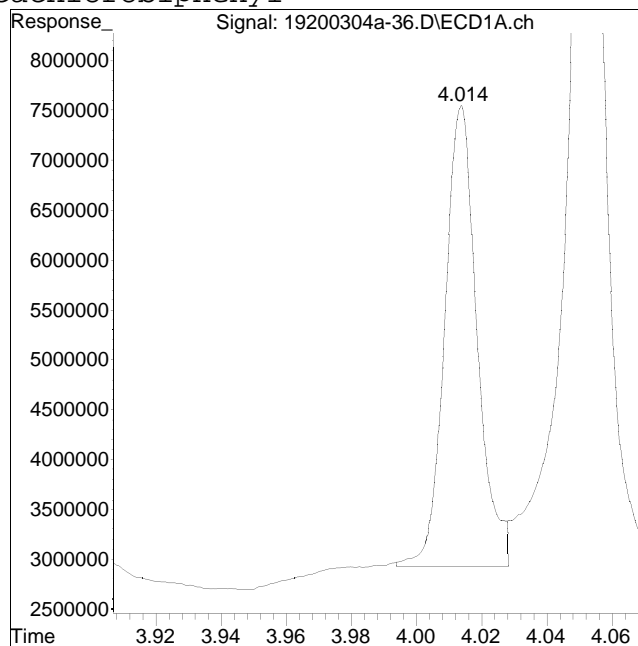
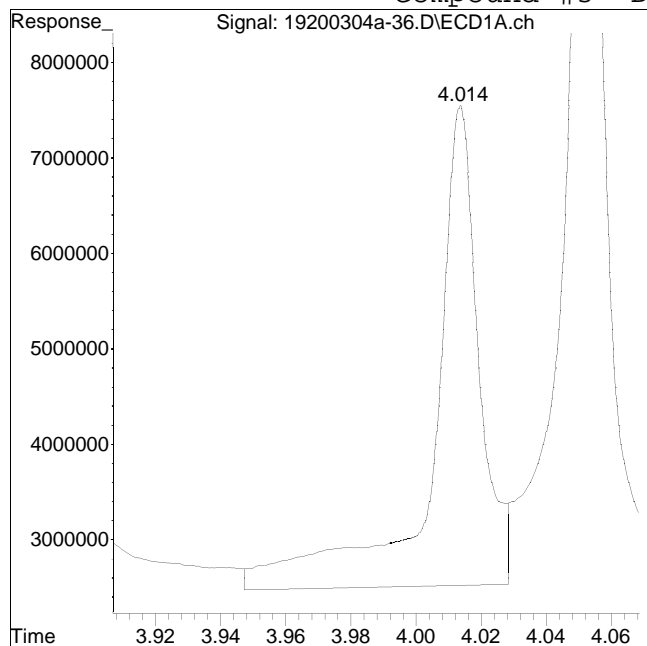


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-36.D
Date Inj'd : 3/4/2020 4:29 pm
Sample : 12008134-16,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 50246476

Manual Peak Response = 31927339 M4

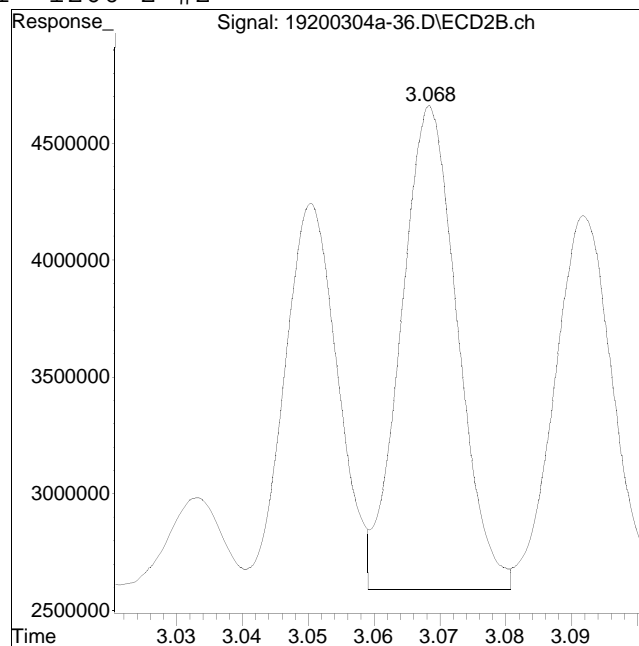
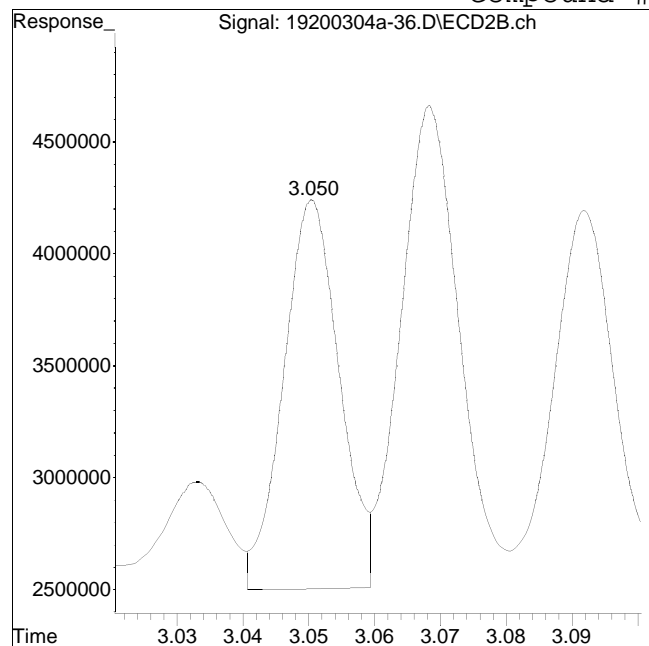
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-36.D
Date Inj'd : 3/4/2020 4:29 pm
Sample : 12008134-16,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #61: 1260-2 #2



Original Peak Response = 10260138

Manual Peak Response = 12368266 M3

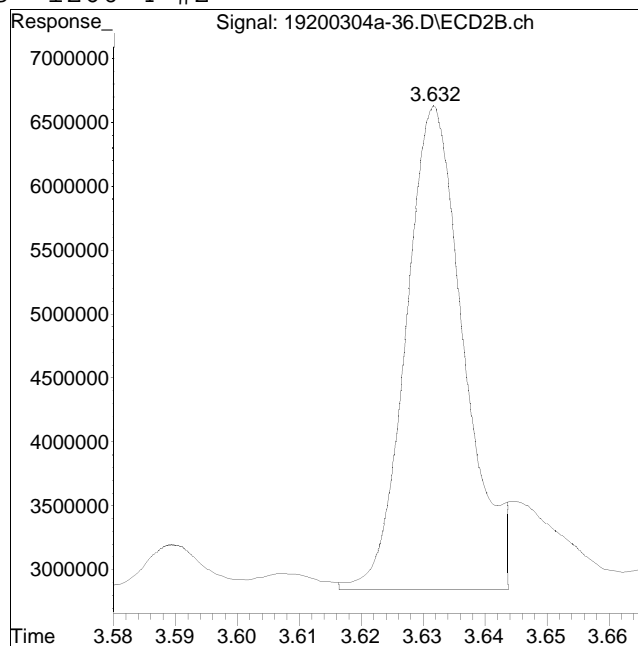
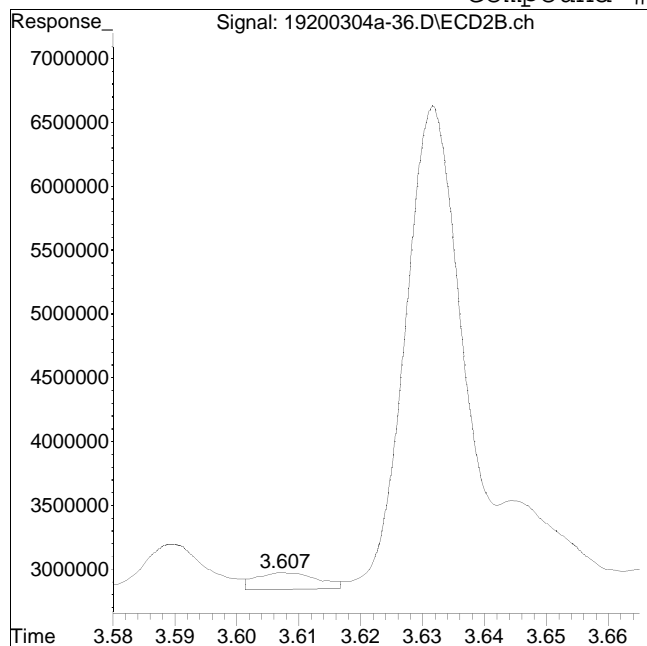
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-36.D
Date Inj'd : 3/4/2020 4:29 pm
Sample : 12008134-16,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #63: 1260-4 #2



Original Peak Response = 905661

Manual Peak Response = 24635817 M4

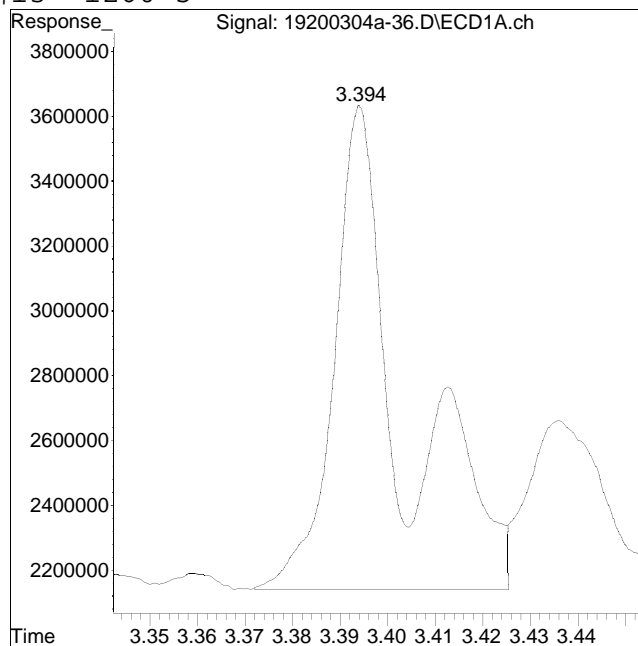
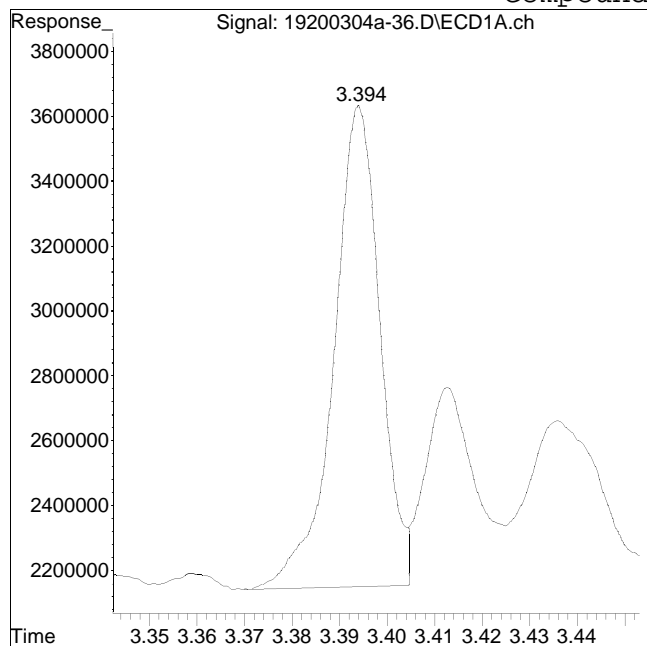
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-36.D
Date Inj'd : 3/4/2020 4:29 pm
Sample : 12008134-16,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #13: 1260-5



Original Peak Response = 10011924

Manual Peak Response = 14947454 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:36 pm
 Operator : pest19:ht
 Sample : l2008134-17,42e,,
 Misc : wgl347003,wgl346747,ical16321
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:34:08 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.995	1.036	38591378	59604166	250.000	250.000
Standard Area 1 : #1 = 27180134					Recovery =	141.98%
Standard Area 1 : #2 = 40808447					Recovery =	146.06%
14) i 2154_1br2nb	0.995	1.036	38591378	59604166	250.000	250.000
23) i 4268_1br2nb	0.995	1.036	38591378	59604166	250.000	250.000
34) i 1248_1br2nb	0.995	1.036	38591378	59604166	250.000	250.000
40) i 3262_1br2nb	0.995	1.036	38591378	59604166	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.251	1.380	50445314	75136157	250.486	246.811
Spiked Amount 500.000	Range 30 - 150				Recovery =	50.10%
3) s Decachlorobi	4.009	4.511	37967419	163.9E6	235.028	638.271
Spiked Amount 500.000	Range 30 - 150				Recovery =	47.01%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.572	2.955	11080652	17327935	1089.440	1080.714
10) l2 1260-2	2.717	3.068	18090051	22311168	1182.897	1185.823
11) l2 1260-3	3.061	3.485	14588557	19843395	1465.907	1210.004
12) l2 1260-4	3.239	3.632	33679568	53154702	1609.456	1540.252
13) l2 1260-5	3.388	3.838	27186524	31991040	1797.946M4	1334.434
Sum 1260-1			104.6E6	144.6E6	7145.646	6351.228
Average 1260-1					1429.129	1270.246

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:36 pm
 Operator : pest19:ht
 Sample : l2008134-17,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:34:08 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-37.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:36 pm
 Operator : pest19:ht
 Sample : l2008134-17,42e,,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:34:08 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 22:49:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

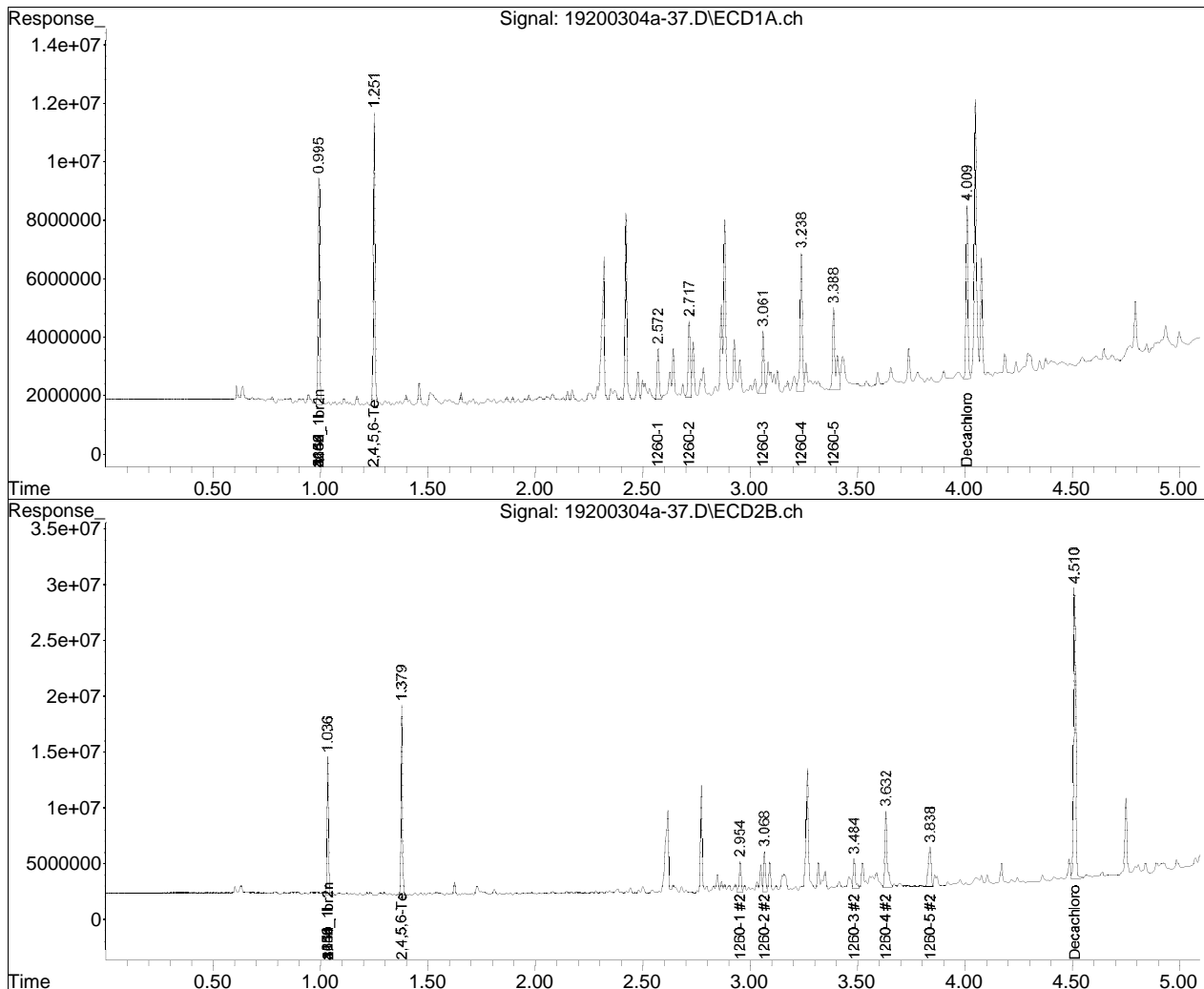
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-26.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-37.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 04:36 pm
Operator : pest19:ht
Sample : l2008134-17,42e,,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 05 23:34:08 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Thu Mar 05 22:49:31 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

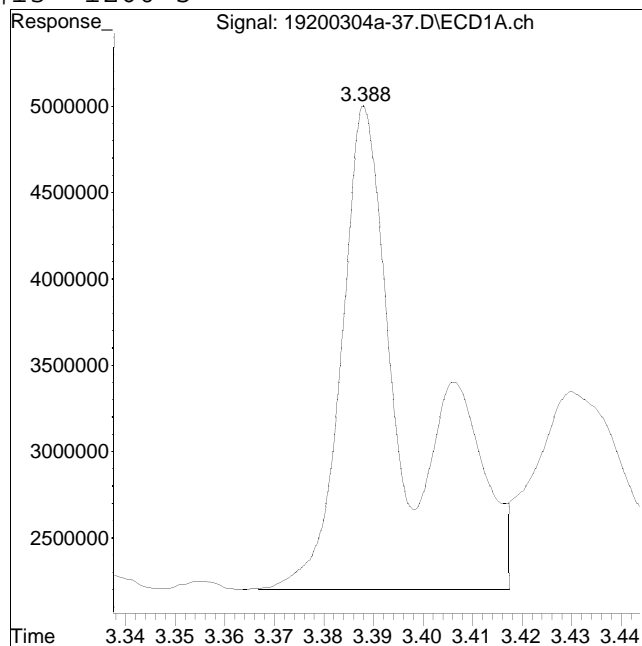
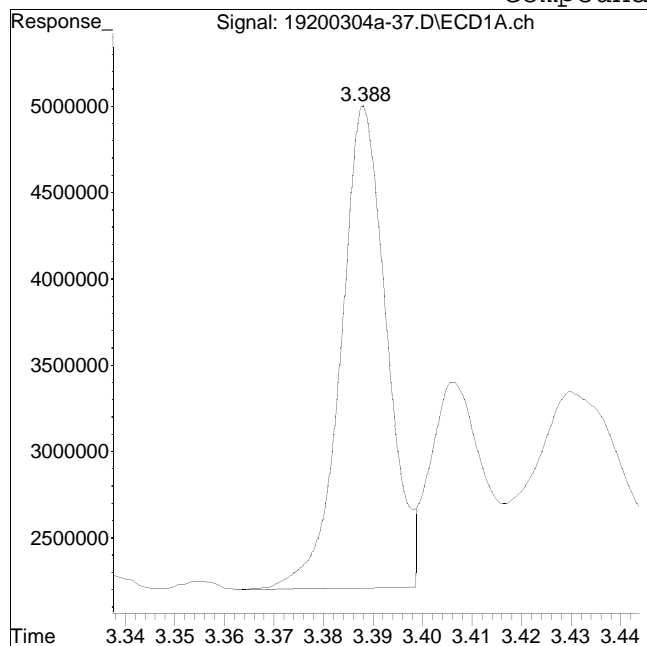


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-37.D
Date Inj'd : 3/4/2020 4:36 pm
Sample : 12008134-17,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/5/2020 10:51 pm

Compound #13: 1260-5



Original Peak Response = 17782411

Manual Peak Response = 27186524 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-40.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:56 pm
 Operator : pest19:ht
 Sample : l2008134-02d,42e,5,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:36:11 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Tue Mar 03 23:37:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.991	1.033	35472361	54651543	250.000	250.000
Standard Area 1 : #1 = 27180134					Recovery =	130.51%
Standard Area 1 : #2 = 40808447					Recovery =	133.92%
14) i 2154_1br2nb	0.991	1.033	35472361	54651543	250.000	250.000
23) i 4268_1br2nb	0.991	1.033	35472361	54651543	250.000	250.000
34) i 1248_1br2nb	0.991	1.033	35472361	54651543	250.000	250.000
40) i 3262_1br2nb	0.991	1.033	35472361	54651543	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.247	1.376	8074851	12530592	43.621M4	44.891M4
Spiked Amount	500.000	Range	30 - 150	Recovery =	8.72%#	8.98%#
3) s Decachlorobi	4.002	4.507	6960834	17369497	46.878	73.773M4
Spiked Amount	500.000	Range	30 - 150	Recovery =	9.38%#	14.75%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.566	2.950	17635672	27167648	1886.385	1847.950
10) l2 1260-2	2.711	3.064	36613554	45311412	2604.649	2626.512
11) l2 1260-3	3.055	3.481	23958668	31311384	2619.129	2082.320
12) l2 1260-4	3.225	3.623	52492279	80528077	2729.030	2544.906
13) l2 1260-5	3.382	3.834	44779690	58386359	3221.841M4	2656.160
Sum 1260-1			175.5E6	242.7E6	13061.034	11757.848
Average 1260-1					2612.207	2351.570

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-40.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:56 pm
 Operator : pest19:ht
 Sample : l2008134-02d,42e,5,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:36:11 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Tue Mar 03 23:37:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-40.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:56 pm
 Operator : pest19:ht
 Sample : l2008134-02d,42e,5,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:36:11 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Tue Mar 03 23:37:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-40.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 04:56 pm
 Operator : pest19:ht
 Sample : l2008134-02d,42e,5,
 Misc : wgl1347003,wgl1346747,ical16321
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 23:36:11 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Tue Mar 03 23:37:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-26.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

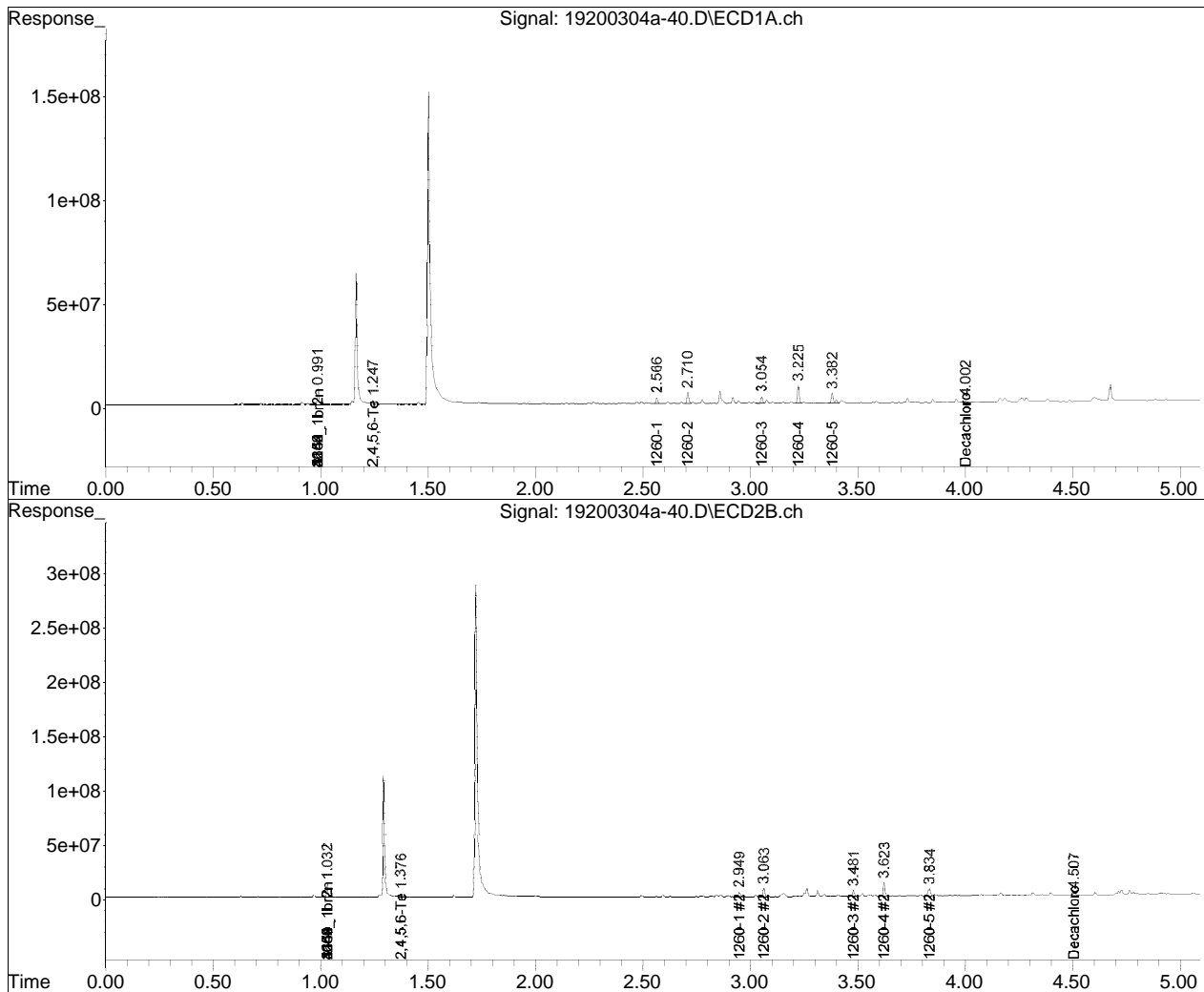
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-26.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-40.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 04:56 pm
Operator : pest19:ht
Sample : l2008134-02d,42e,5,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 05 23:36:11 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Tue Mar 03 23:37:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

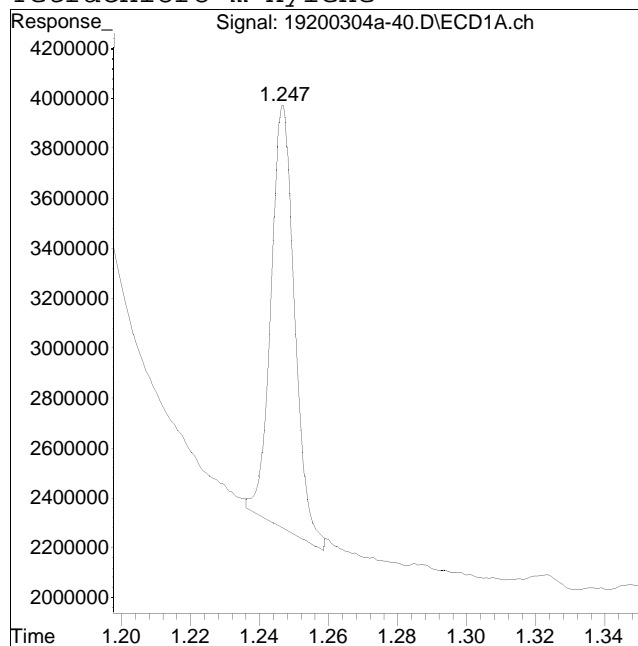
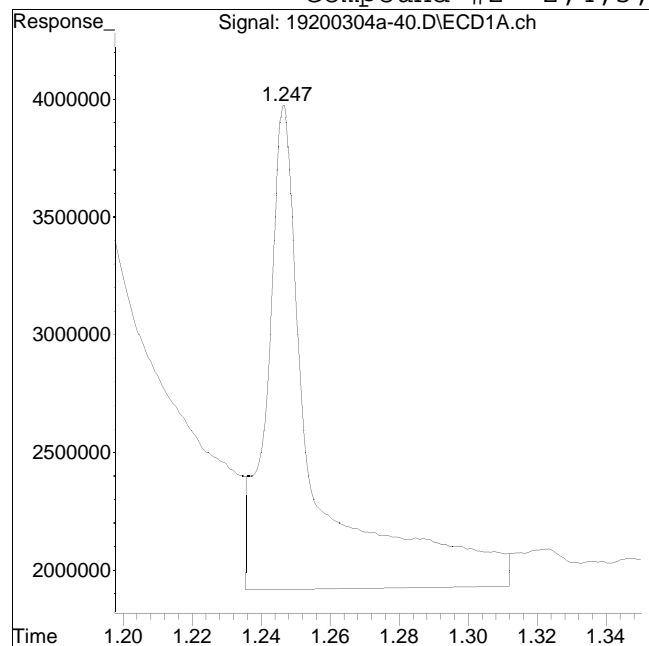


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-40.D
Date Inj'd : 3/4/2020 4:56 pm
Sample : 12008134-02d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/4/2020 5:31 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 19609526

Manual Peak Response = 8074851 M4

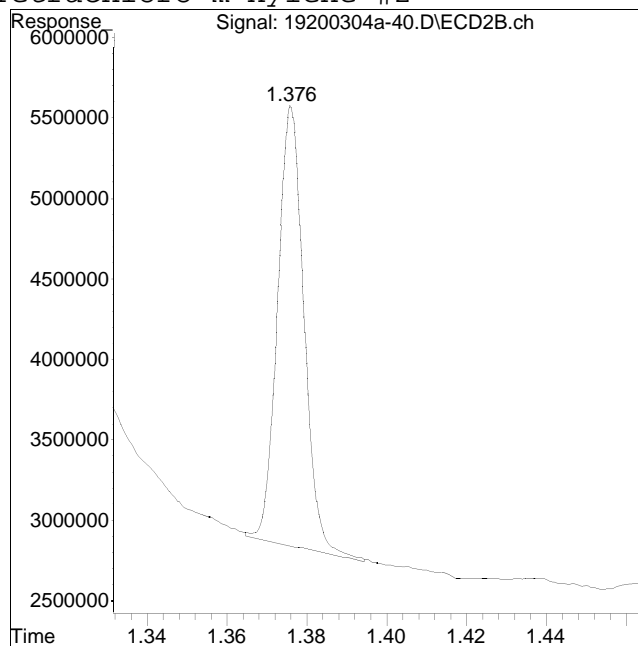
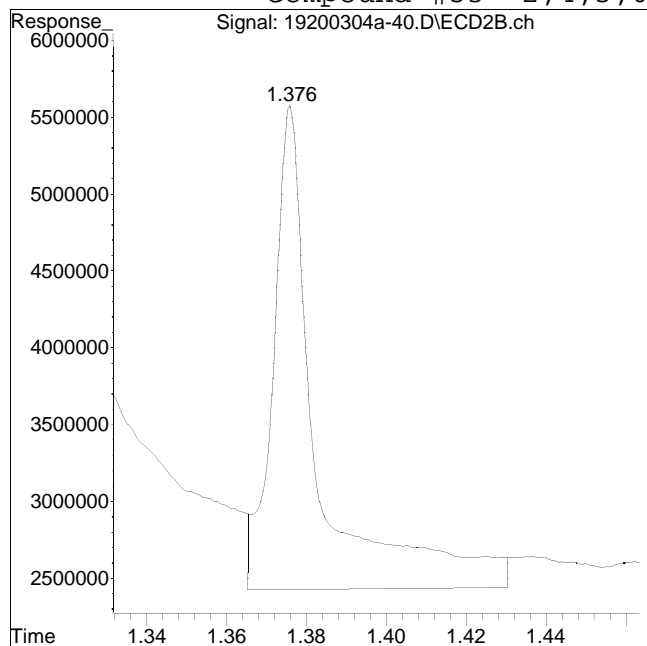
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-40.D
Date Inj'd : 3/4/2020 4:56 pm
Sample : 12008134-02d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/4/2020 5:31 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 24709555

Manual Peak Response = 12530592 M4

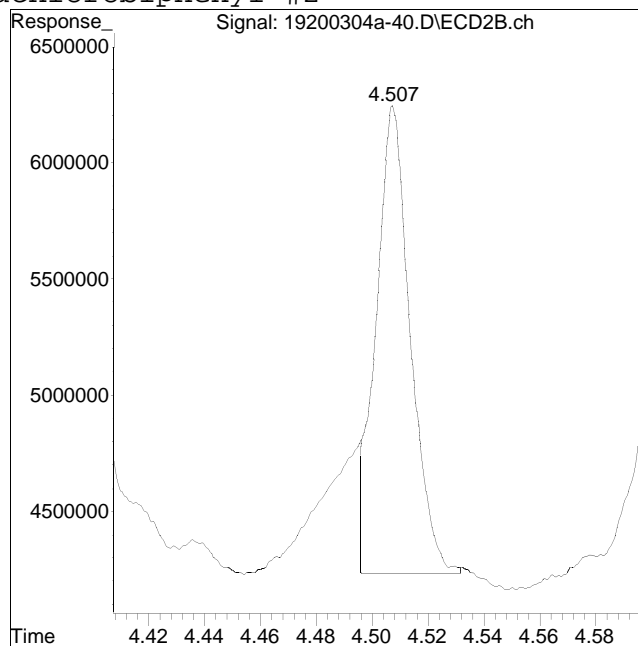
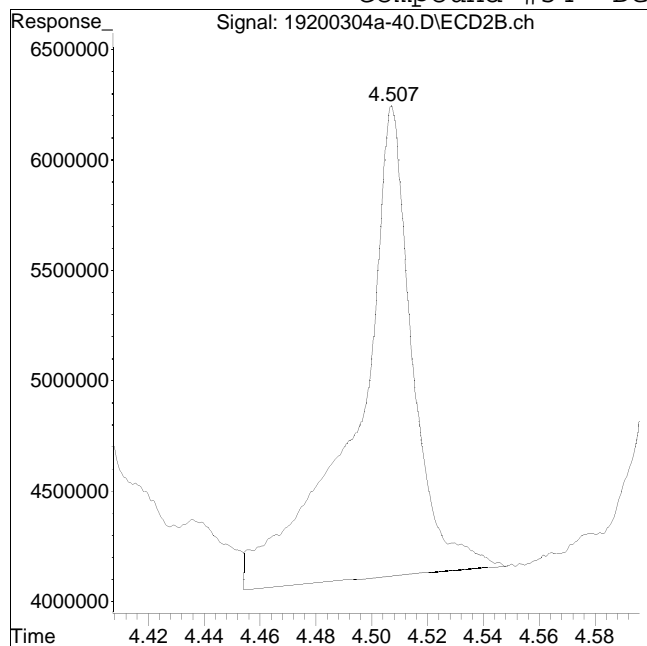
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-40.D
Date Inj'd : 3/4/2020 4:56 pm
Sample : 12008134-02d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/4/2020 5:31 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 29686074

Manual Peak Response = 17369497 M4

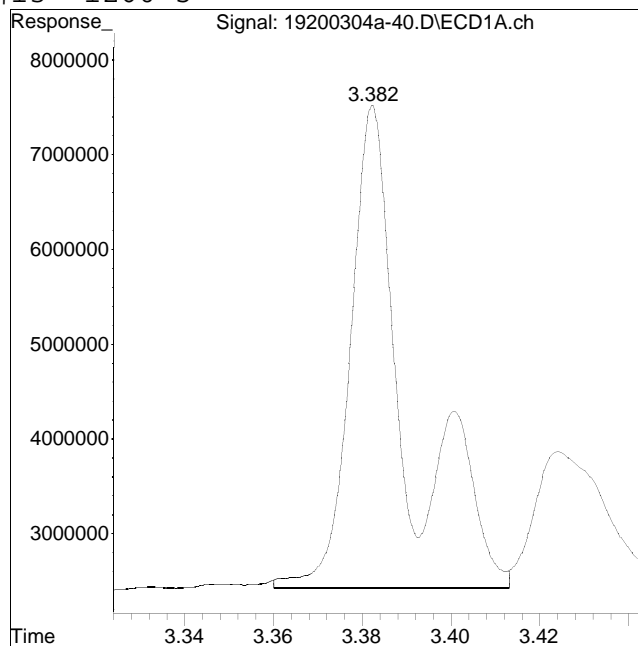
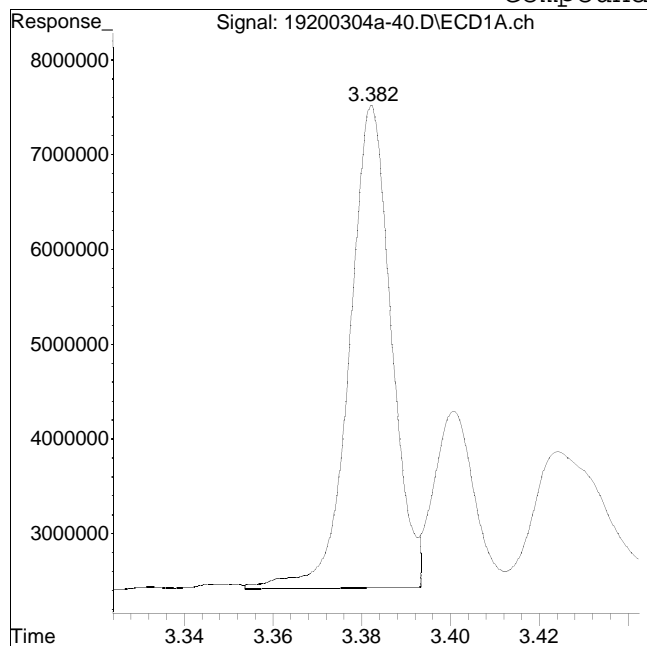
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-40.D
Date Inj'd : 3/4/2020 4:56 pm
Sample : 12008134-02d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/4/2020 5:31 pm

Compound #13: 1260-5



Original Peak Response = 33108047

Manual Peak Response = 44779690 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200226B\
 Data File : P2200226b-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 5:08 pm
 Operator : pest2:cw
 Sample : l2008134-18,42e,,
 Misc : wg1344585,wg1343985,ical16010 (Sig #1); wg1344585,wg1344313,ical16010 (Sig #2)
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 12:30:43 2020
 Quant Method : I:\Pest2\200226B\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200226B\P2200226b-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.092	2.280	122.9E6	78224679	25.000M1	25.000
Standard Area 1 : #1 = 101053472					Recovery =	121.60%
Standard Area 1 : #2 = 65313708					Recovery =	119.77%
14) i 2154_1br2nb	2.092	2.280	122.9E6	78224679	25.000M1	25.000
23) i 4268_1br2nb	2.092	2.280	122.9E6	78224679	25.000M1	25.000
34) i 1248_1br2nb	2.092	2.280	122.9E6	78224679	25.000M1	25.000
40) i 3262_1br2nb	2.092	2.280	122.9E6	78224679	25.000M1	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.571	2.922	54360435	36374520	10.782	11.036
Spiked Amount 20.000	Range 30 - 150		Recovery =		53.91%	55.18%
3) s Decachlorobi	6.568	7.267	51727927	27915110	10.688M4	10.834M4
Spiked Amount 20.000	Range 30 - 150		Recovery =		53.44%	54.17%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200226B\
 Data File : P2200226b-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 5:08 pm
 Operator : pest2:cw
 Sample : l2008134-18,42e,,
 Misc : wg1344585,wg1343985,ical16010 (Sig #1); wg1344585,wg1344313,ical16010 (Sig #2)
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 12:30:43 2020
 Quant Method : I:\Pest2\200226B\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200226B\P2200226b-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					0.000	0.000
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200226B\
 Data File : P2200226b-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 5:08 pm
 Operator : pest2:cw
 Sample : l2008134-18,42e,,
 Misc : wg1344585,wg1343985,ical16010 (Sig #1); wg1344585,wg1344313,ical16010 (Sig #2)
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 12:30:43 2020
 Quant Method : I:\Pest2\200226B\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200226B\P2200226b-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200226B\
 Data File : P2200226b-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 5:08 pm
 Operator : pest2:cw
 Sample : l2008134-18,42e,,
 Misc : wg1344585,wg1343985,ical16010 (Sig #1); wg1344585,wg1344313,ical16
 010 (Sig #2)
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 01 12:30:43 2020
 Quant Method : I:\Pest2\200226B\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200226B\P2200226b-26.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

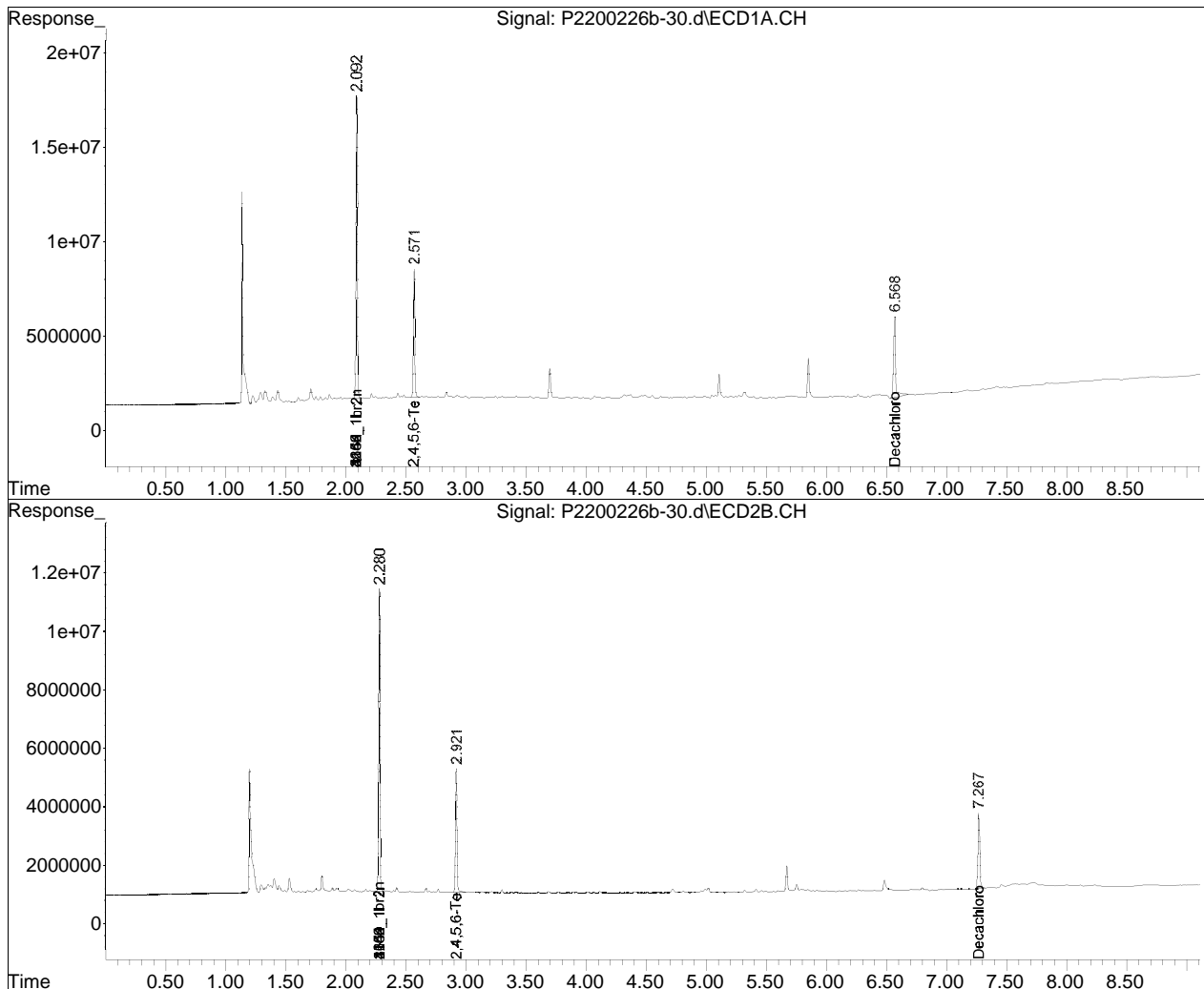
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-26.d••ed)

Data Path : I:\Pest2\200226B\
Data File : P2200226b-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Feb 2020 5:08 pm
Operator : pest2:cw
Sample : l2008134-18,42e,,
Misc : wg1344585,wg1343985,ical16010 (Sig #1); wg1344585,wg1344313,ical16
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 01 12:30:43 2020
Quant Method : I:\Pest2\200226B\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

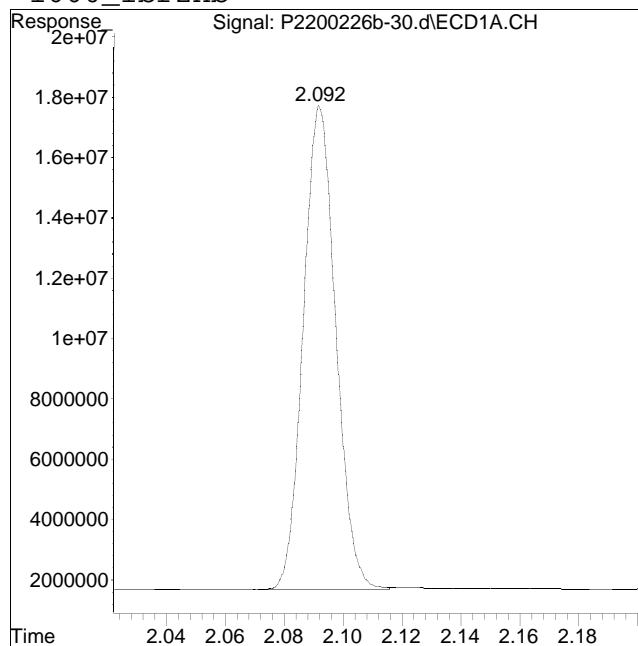
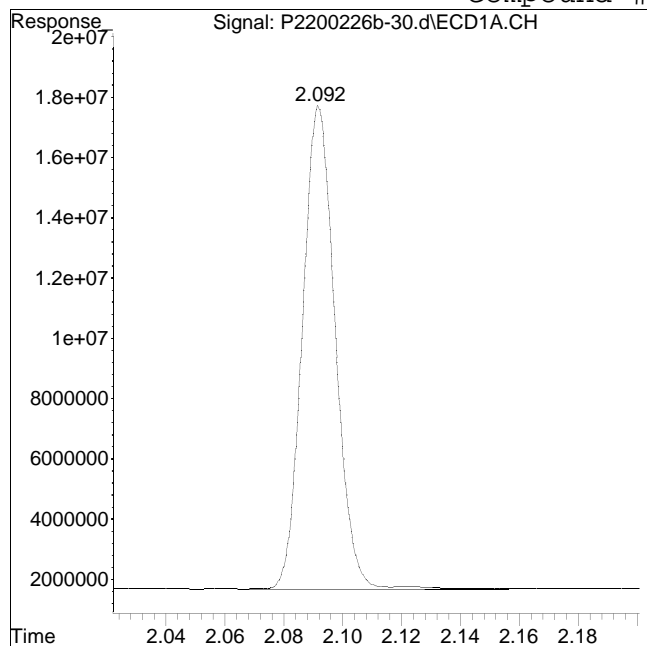


Manual Integration Report

Data Path : I:\Pest2\200226B\
Data File : P2200226b-30.d
Date Inj'd : 2/26/2020 5:08 pm
Sample : 12008134-18,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:cw
Instrument : PEST 2
Quant Date : 3/1/2020 12:09 pm

Compound #1: 1660_1br2nb



Original Peak Response = 124659401

Manual Peak Response = 122881263 M1

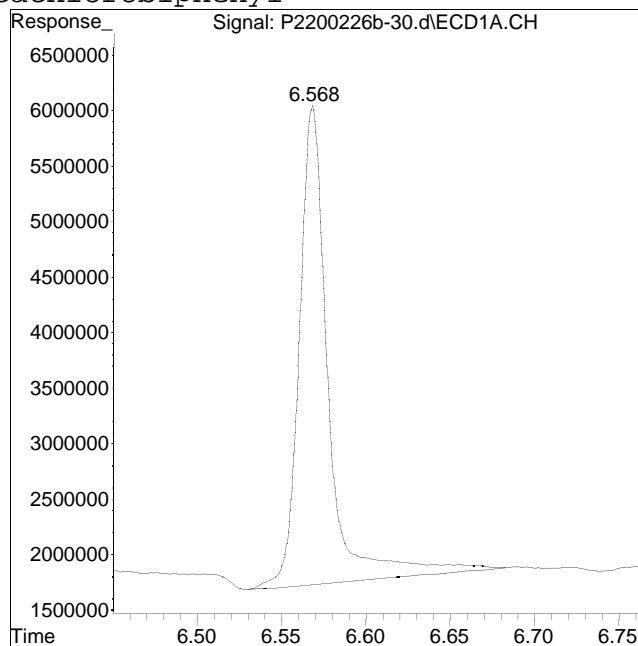
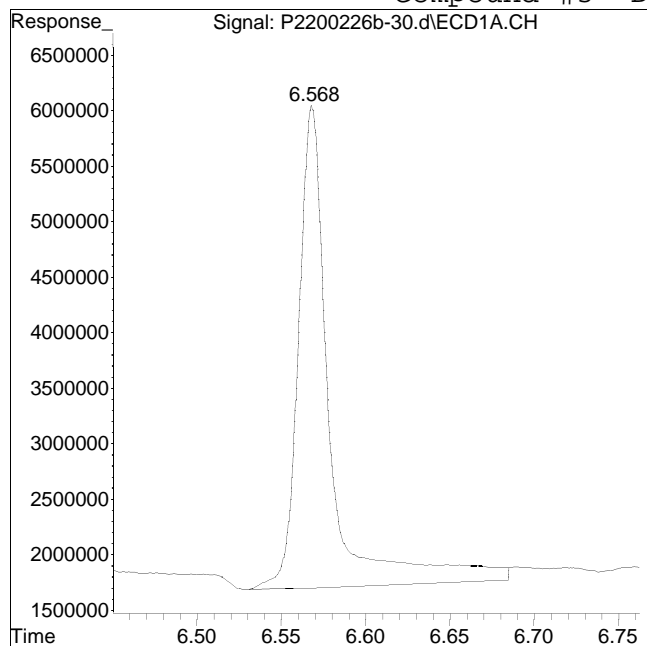
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest2\200226B\
Data File : P2200226b-30.d
Date Inj'd : 2/26/2020 5:08 pm
Sample : 12008134-18,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:cw
Instrument : PEST 2
Quant Date : 3/1/2020 12:09 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 56674994

Manual Peak Response = 51727927 M4

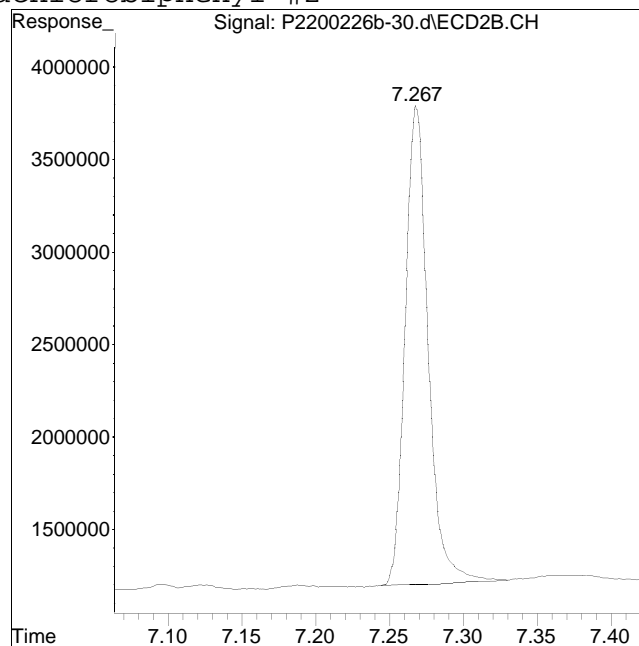
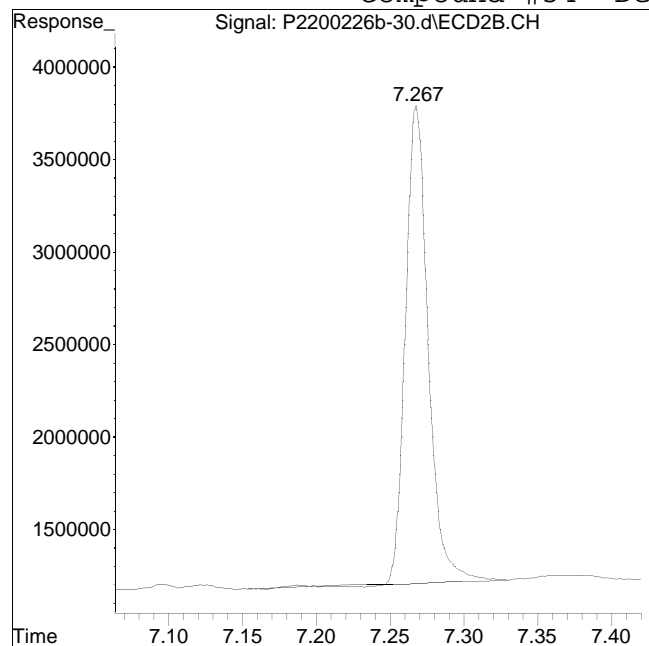
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200226B\
Data File : P2200226b-30.d
Date Inj'd : 2/26/2020 5:08 pm
Sample : 12008134-18,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:cw
Instrument : PEST 2
Quant Date : 3/1/2020 12:09 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 27445725

Manual Peak Response = 27915110 M4

M4 = Poor automated baseline construction.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200226a\
 Data File : 23200226a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Feb 2020 09:42 am
 Operator : pest23:jm
 Sample : wg1344386-1,42e,,
 Misc : wg1344514,wg1344386,ical16474
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 11:30:58 2020
 Quant Method : I:\Pest23\data\2020\23200226a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200226a\23200226a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.925	1.015	20234512	24328445	250.000	250.000
Standard Area 1 : #1 = 21027287					Recovery =	96.23%
Standard Area 1 : #2 = 25343511					Recovery =	95.99%
14) i 2154_1br2nb	0.925	1.015	20234512	24328445	250.000	250.000
23) i 4268_1br2nb	0.925	1.015	20234512	24328445	250.000	250.000
34) i 1248_1br2nb	0.925	1.015	20234512	24328445	250.000	250.000
40) i 3262_1br2nb	0.925	1.015	20234512	24328445	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.167	1.356	44088769	50774265	356.446M4	377.611
Spiked Amount 500.000	Range 30 - 150				Recovery =	71.29%
75.52%						
3) s Decachlorobi	3.553	4.173	40330979	43678557	482.127M4	359.937M2
Spiked Amount 500.000	Range 30 - 150				Recovery =	96.43%
71.99%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200226a\
 Data File : 23200226a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Feb 2020 09:42 am
 Operator : pest23:jm
 Sample : wg1344386-1,42e,,
 Misc : wg1344514,wg1344386,ical16474
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 11:30:58 2020
 Quant Method : I:\Pest23\data\2020\23200226a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200226a\23200226a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					0.000	0.000
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200226a\
 Data File : 23200226a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Feb 2020 09:42 am
 Operator : pest23:jm
 Sample : wg1344386-1,42e,,
 Misc : wg1344514,wg1344386,ical16474
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 11:30:58 2020
 Quant Method : I:\Pest23\data\2020\23200226a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200226a\23200226a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200226a\
 Data File : 23200226a-03.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Feb 2020 09:42 am
 Operator : pest23:jm
 Sample : wg1344386-1,42e,,
 Misc : wg1344514,wg1344386,ical16474
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 11:30:58 2020
 Quant Method : I:\Pest23\data\2020\23200226a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 10:16:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200226a\23200226a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

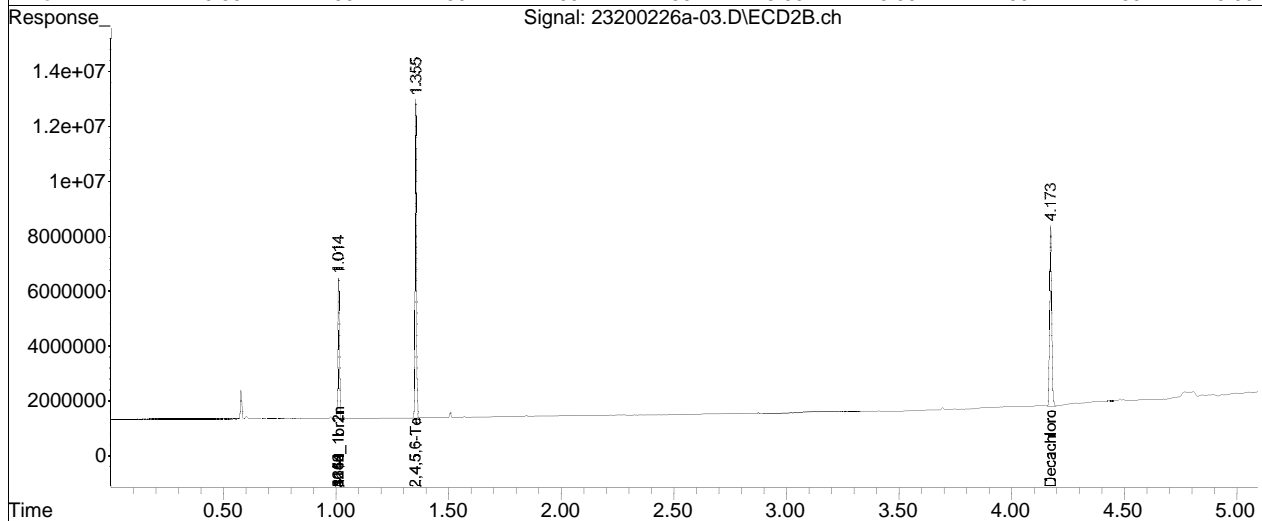
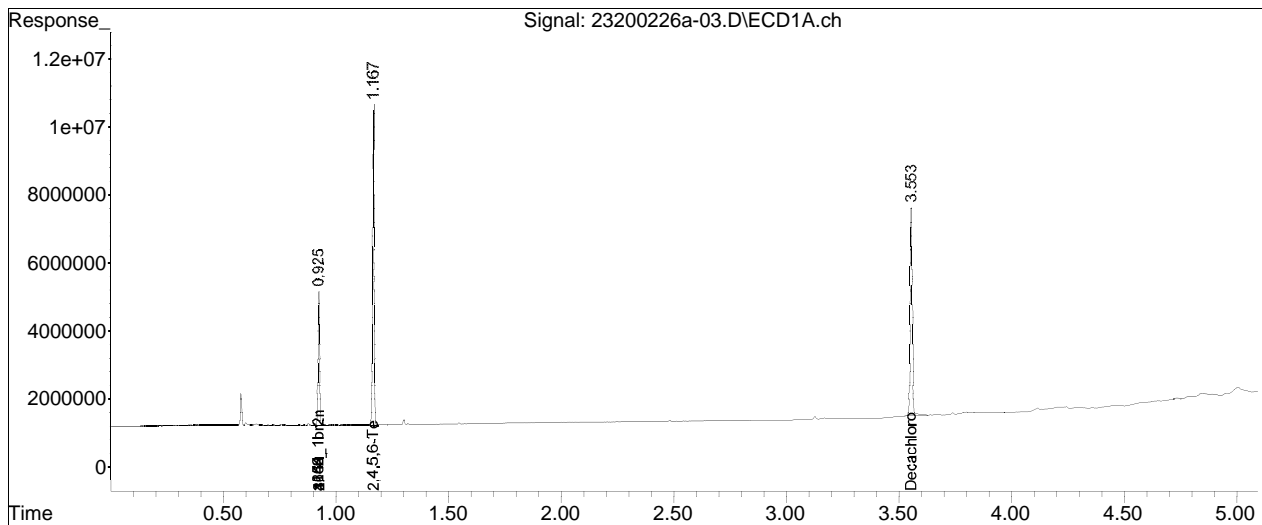
Sub List : Default - All compounds listed26a\23200226a-02.D••

Data Path : I:\Pest23\data\2020\23200226a\
Data File : 23200226a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2020 09:42 am
Operator : pest23:jm
Sample : wg1344386-1,42e,,
Misc : wg1344514,wg1344386,ical16474
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 11:30:58 2020
Quant Method : I:\Pest23\data\2020\23200226a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Tue Feb 25 10:16:09 2020
Response via : Initial Calibration
Integrator: ChemStation

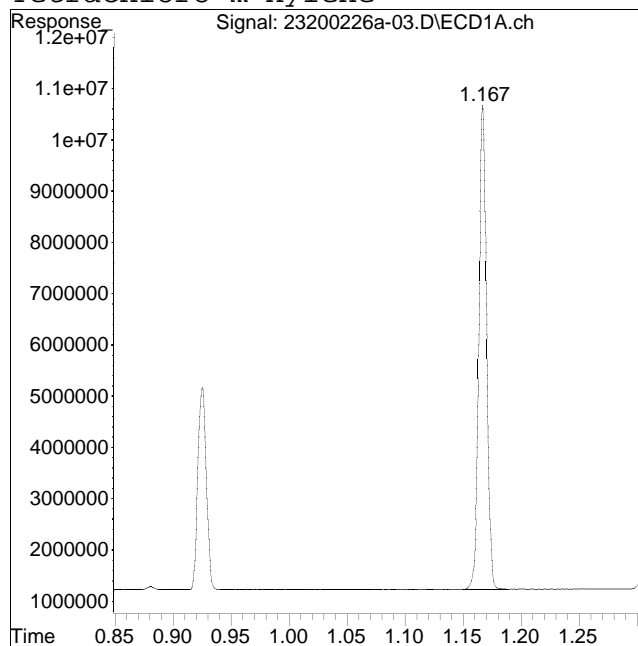
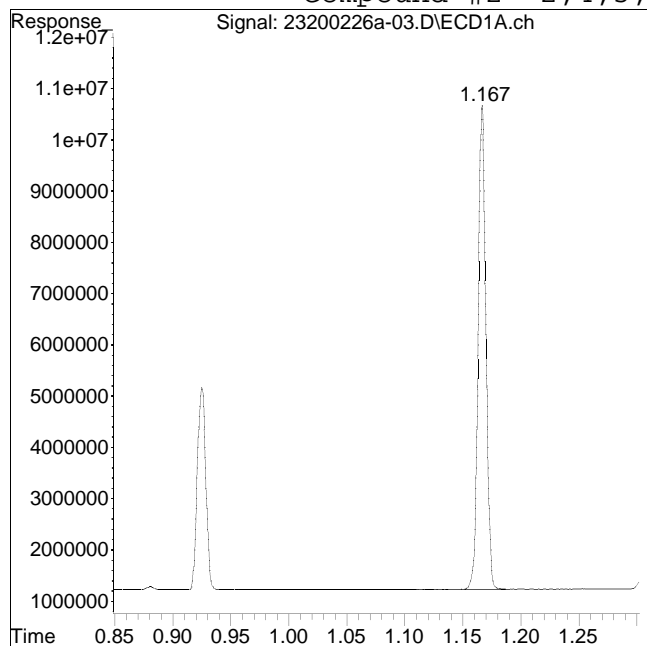
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200226a-03.D Operator : pest23:jm
Date Inj'd : 2/26/2020 9:42 am Instrument : Pest 23
Sample : wg1344386-1,42e,, Quant Date : 2/26/2020 11:22 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 43912519

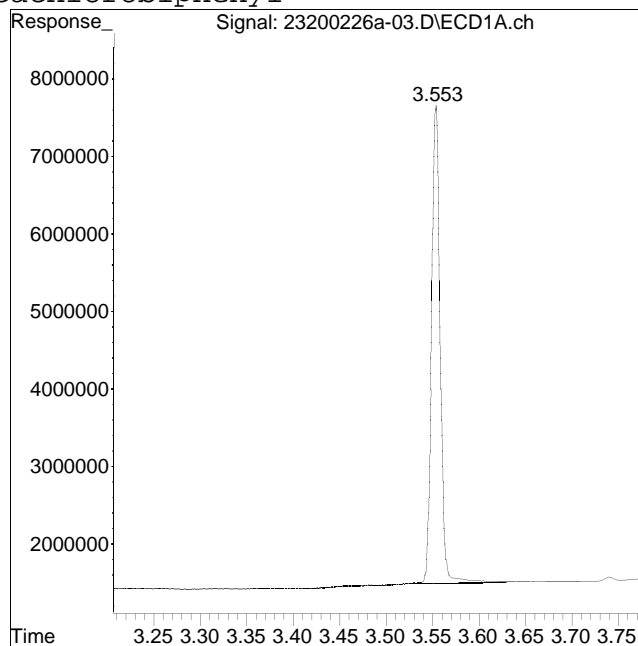
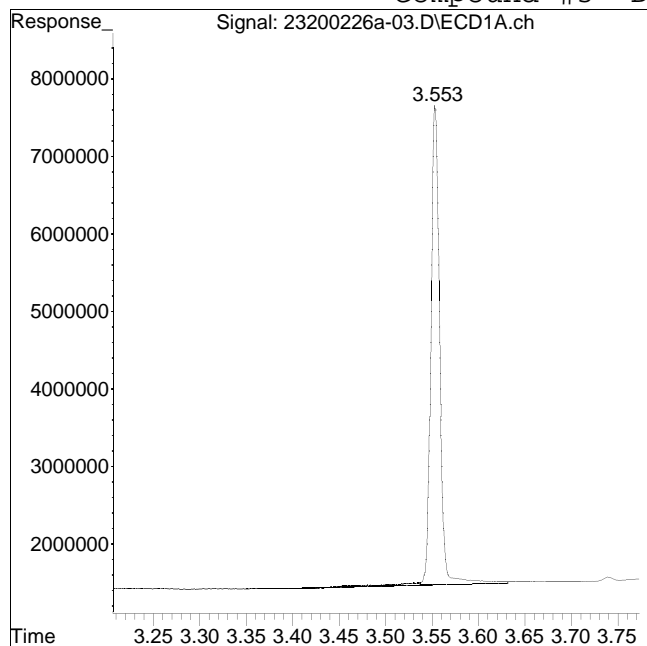
Manual Peak Response = 44088769 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200226a-03.D Operator : pest23:jm
Date Inj'd : 2/26/2020 9:42 am Instrument : Pest 23
Sample : wg1344386-1,42e,, Quant Date : 2/26/2020 11:22 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 41848095

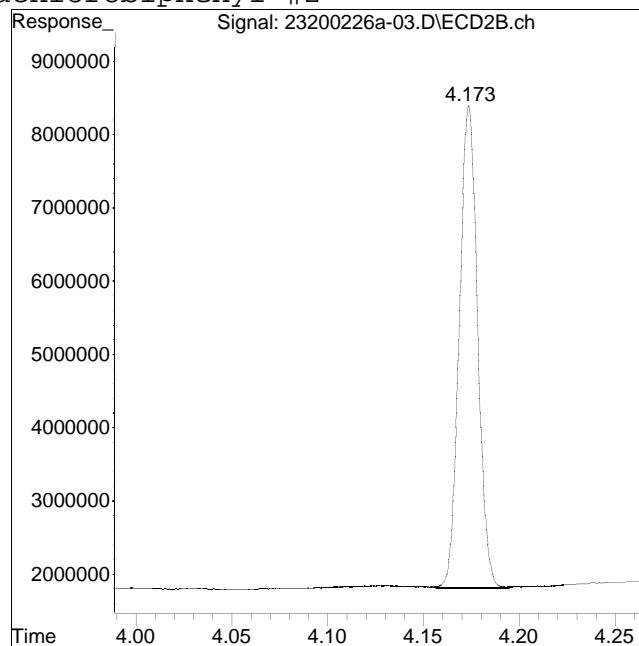
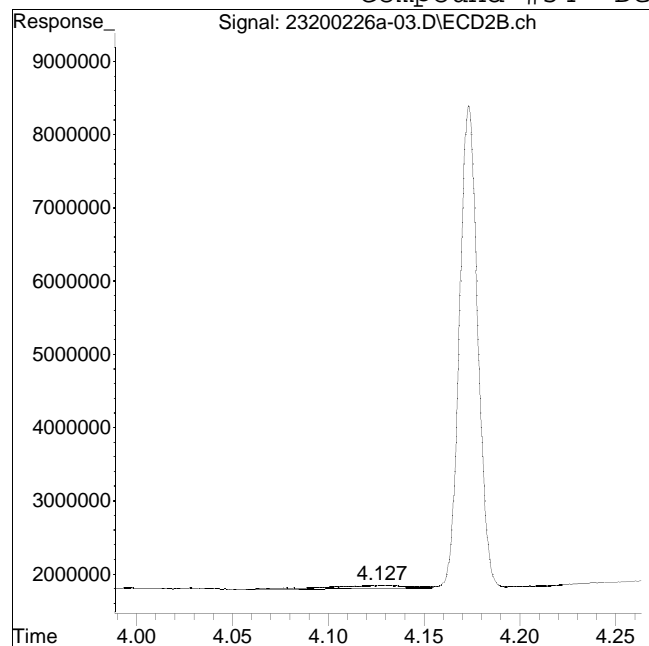
Manual Peak Response = 40330979 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest23\data\2020\232002QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200226a-03.D Operator : pest23:jm
Date Inj'd : 2/26/2020 9:42 am Instrument : Pest 23
Sample : wg1344386-1,42e,, Quant Date : 2/26/2020 11:22 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1293058

Manual Peak Response = 43678557 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 02:36 pm
 Operator : pest19:ht
 Sample : wg1346747-1,42e,,
 Misc : wg1347003,wg1346747,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 15:48:19 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Tue Mar 03 23:37:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-05.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.998	1.033	33423942	49487032	250.000	250.000
Standard Area 1 : #1 = 26709857					Recovery = 125.14%	
Standard Area 1 : #2 = 38740698					Recovery = 127.74%	
14) i 2154_1br2nb	0.998	1.033	33423942	49487032	250.000	250.000
23) i 4268_1br2nb	0.998	1.033	33423942	49487032	250.000	250.000
34) i 1248_1br2nb	0.998	1.033	33423942	49487032	250.000	250.000
40) i 3262_1br2nb	0.998	1.033	33423942	49487032	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.258	1.377	63402696	95098556	363.499M4	376.248
Spiked Amount 500.000	Range 30 - 150				Recovery = 72.70%	75.25%
3) s Decachlorobi	4.027	4.522	46838969	73452526	334.772M4	344.531
Spiked Amount 500.000	Range 30 - 150				Recovery = 66.95%	68.91%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 02:36 pm
 Operator : pest19:ht
 Sample : wg1346747-1,42e,,
 Misc : wg1347003,wg1346747,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 15:48:19 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Tue Mar 03 23:37:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-05.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200304a\
 Data File : 19200304a-20.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Mar 2020 02:36 pm
 Operator : pest19:ht
 Sample : wg1346747-1,42e,,
 Misc : wg1347003,wg1346747,ical16321
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 15:48:19 2020
 Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Tue Mar 03 23:37:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200304a\19200304a-05.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.	
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.	
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.	
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

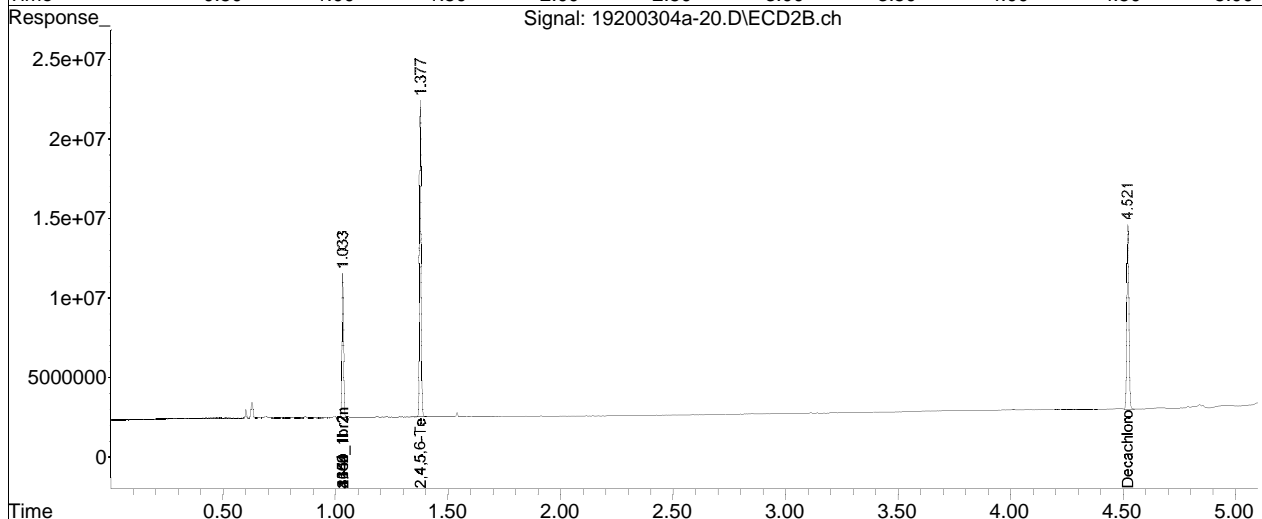
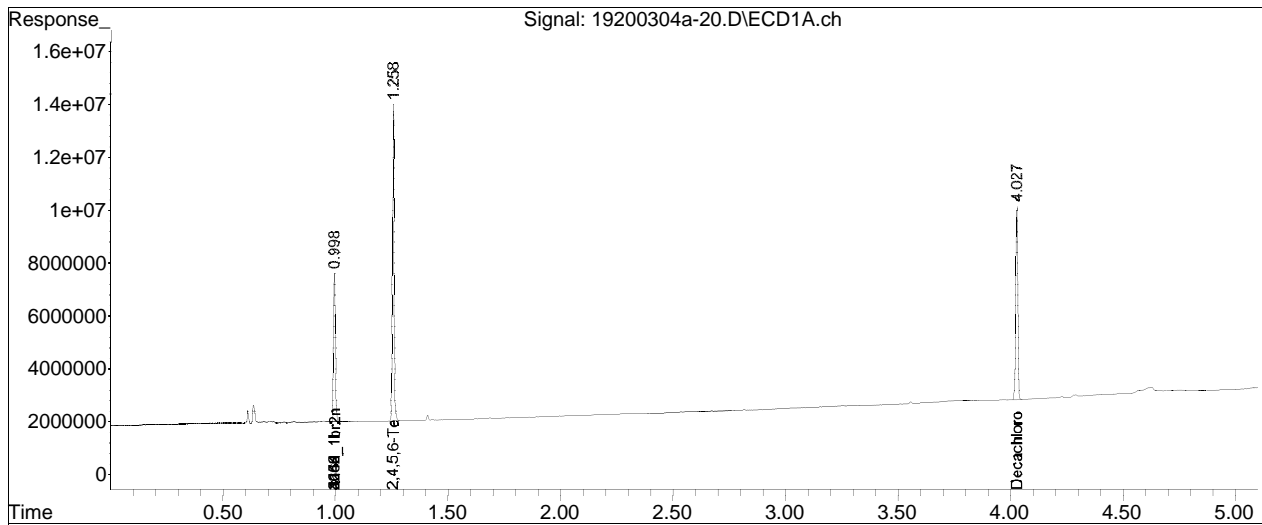
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-05.D••d)

Data Path : I:\Pest19\200304a\
Data File : 19200304a-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Mar 2020 02:36 pm
Operator : pest19:ht
Sample : wg1346747-1,42e,,
Misc : wg1347003,wg1346747,ical16321
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 15:48:19 2020
Quant Method : I:\Pest19\200304a\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Tue Mar 03 23:37:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

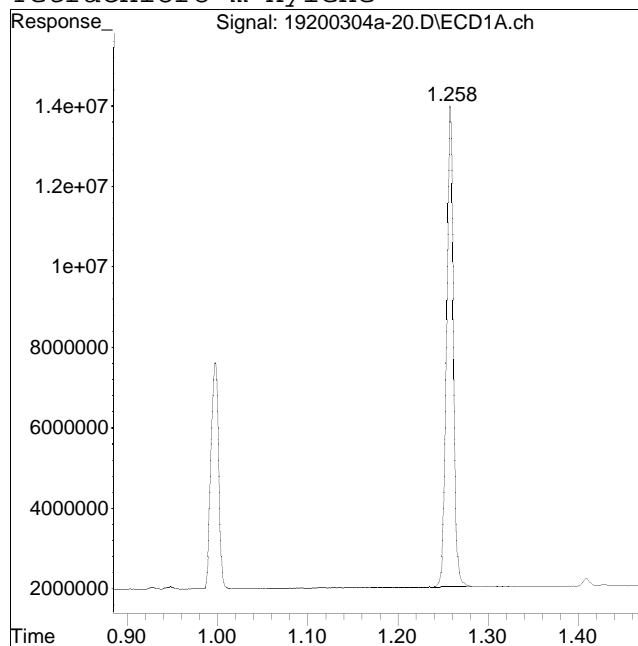
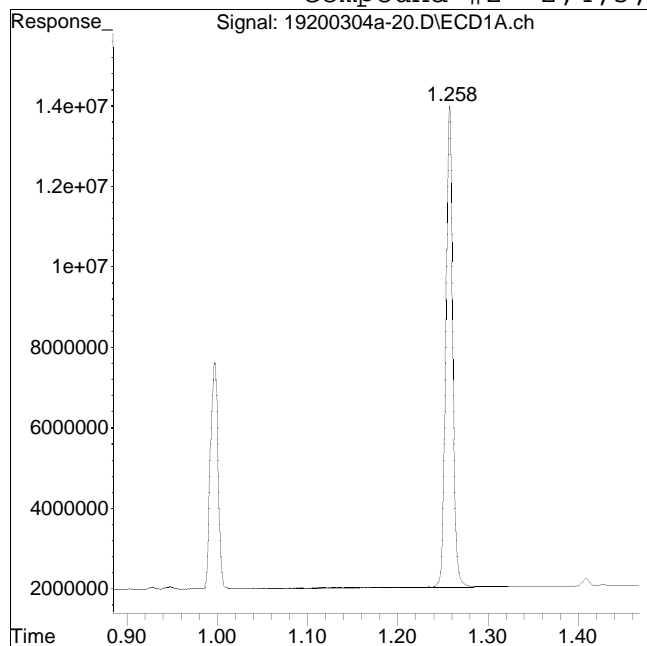


Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-20.D
Date Inj'd : 3/4/2020 2:36 pm
Sample : wg1346747-1,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/4/2020 3:47 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 64422788

Manual Peak Response = 63402696 M4

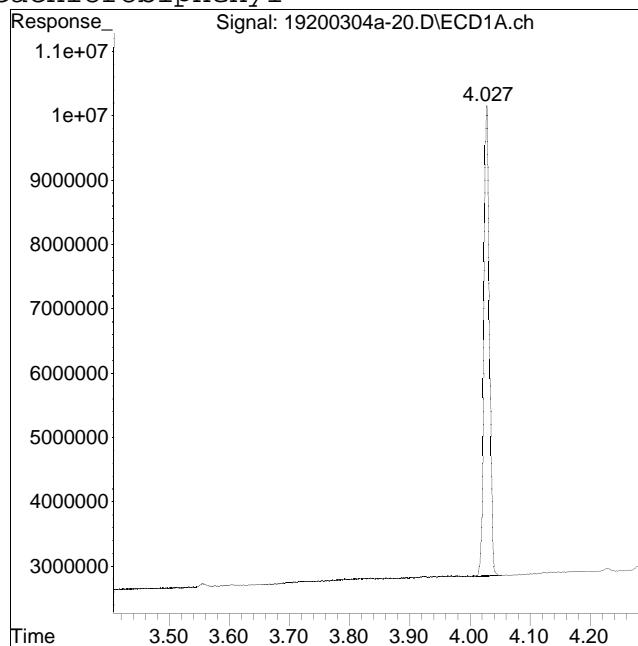
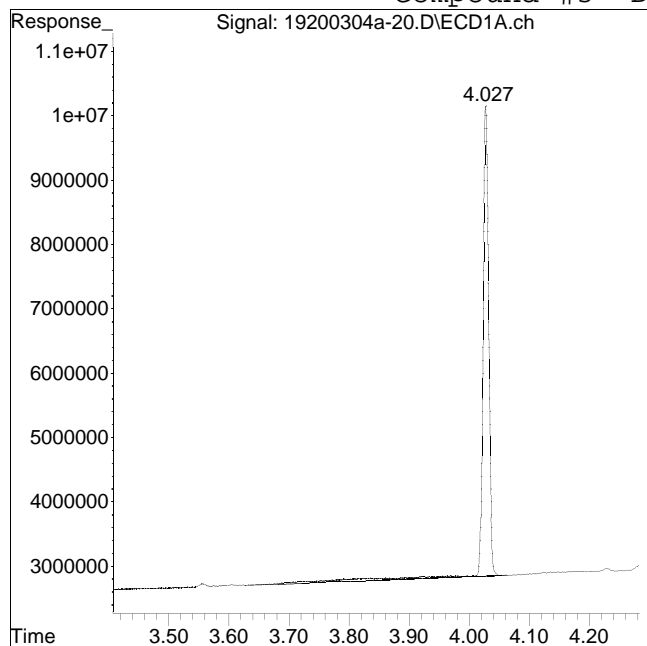
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200304a\
Data File : 19200304a-20.D
Date Inj'd : 3/4/2020 2:36 pm
Sample : wg1346747-1,42e,,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:ht
Instrument : Pest 19
Quant Date : 3/4/2020 3:47 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 51276217

Manual Peak Response = 46838969 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200225A\
 Data File : P2200225a-11.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:56 pm
 Operator : pest2:ad
 Sample : wg1343985-1,42e,,
 Misc : wg1344303,wg1343985,ical16010
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 22:23:51 2020
 Quant Method : I:\Pest2\200225A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200225A\P2200225a-07.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.089	2.277	125.1E6	87060065	25.000M4	25.000
Standard Area 1 : #1 = 82797496					Recovery = 151.04%	
Standard Area 1 : #2 = 59371776					Recovery = 146.64%	
14) i 2154_1br2nb	2.089	2.277	125.1E6	87060065	25.000M4	25.000
23) i 4268_1br2nb	2.089	2.277	125.1E6	87060065	25.000M4	25.000
34) i 1248_1br2nb	2.089	2.277	125.1E6	87060065	25.000M4	25.000
40) i 3262_1br2nb	2.089	2.277	125.1E6	87060065	25.000M4	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.568	2.918	57513256	39938248	11.208	10.888
Spiked Amount 20.000	Range 30 - 150			Recovery = 56.04%		54.44%
3) s Decachlorobi	6.566	7.265	69439738	38848357	14.097M4	13.547M4
Spiked Amount 20.000	Range 30 - 150			Recovery = 70.48%		67.73%
Target Compounds						
4) 11 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) 11 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) 11 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) 11 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) 11 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) 12 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) 12 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) 12 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) 12 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) 12 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200225A\
 Data File : P2200225a-11.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:56 pm
 Operator : pest2:ad
 Sample : wg1343985-1,42e,,
 Misc : wg1344303,wg1343985,ical16010
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 22:23:51 2020
 Quant Method : I:\Pest2\200225A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200225A\P2200225a-07.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200225A\
 Data File : P2200225a-11.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:56 pm
 Operator : pest2:ad
 Sample : wg1343985-1,42e,,
 Misc : wg1344303,wg1343985,ical16010
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 22:23:51 2020
 Quant Method : I:\Pest2\200225A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200225A\P2200225a-07.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200225A\
 Data File : P2200225a-11.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 25 Feb 2020 4:56 pm
 Operator : pest2:ad
 Sample : wg1343985-1,42e,,
 Misc : wg1344303,wg1343985,ical16010
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 25 22:23:51 2020
 Quant Method : I:\Pest2\200225A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200225A\P2200225a-07.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

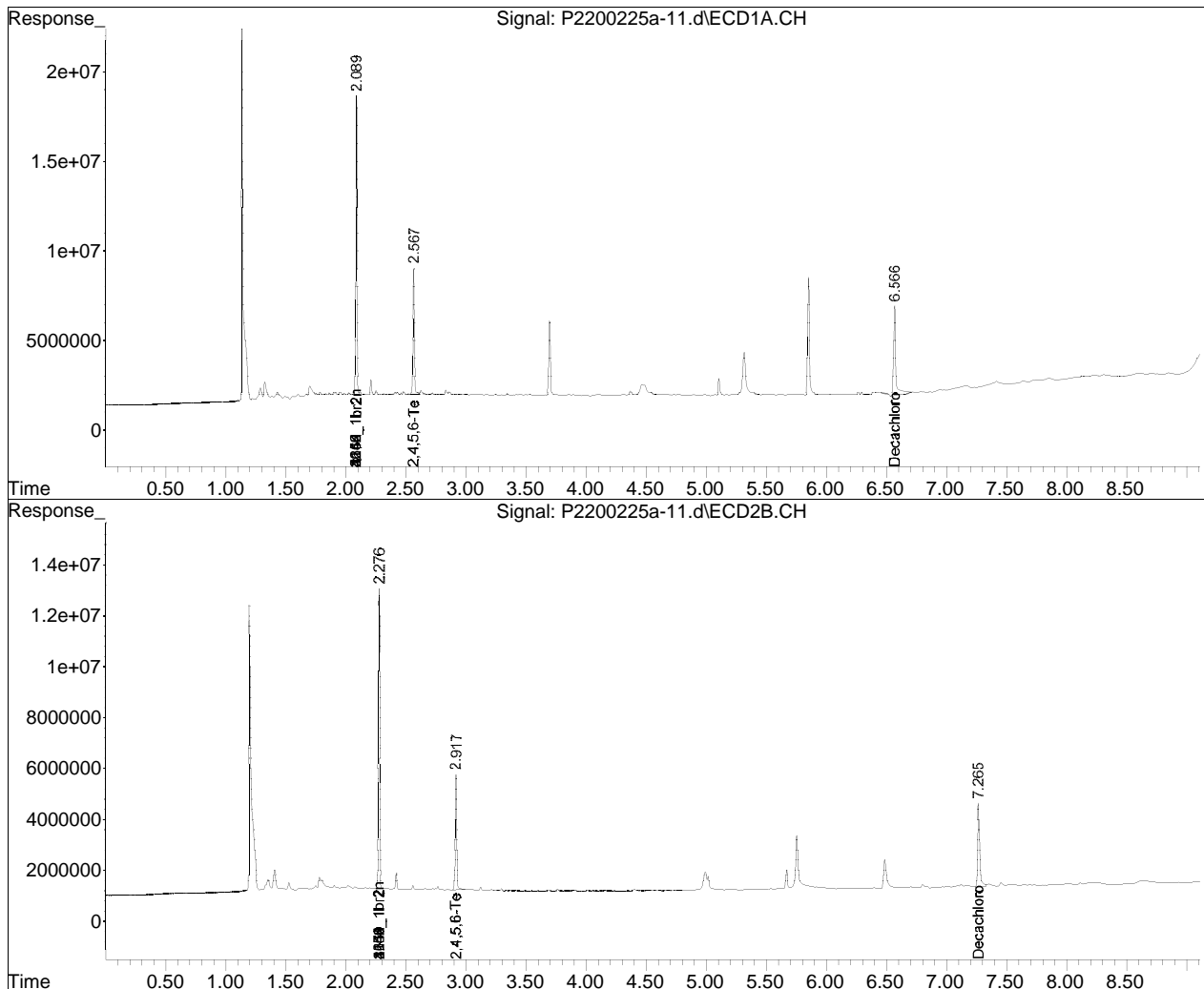
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-07.d••ed)

Data Path : I:\Pest2\200225A\
Data File : P2200225a-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Feb 2020 4:56 pm
Operator : pest2:ad
Sample : wg1343985-1,42e,,
Misc : wg1344303,wg1343985,ical16010
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 25 22:23:51 2020
Quant Method : I:\Pest2\200225A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

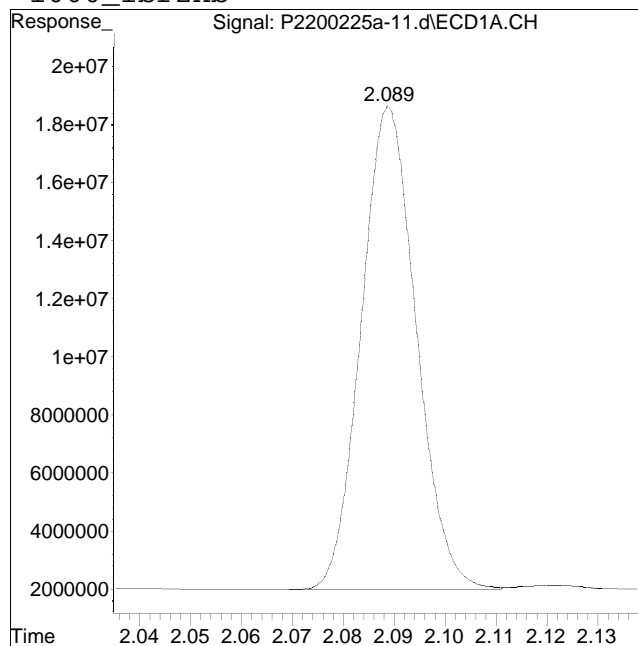
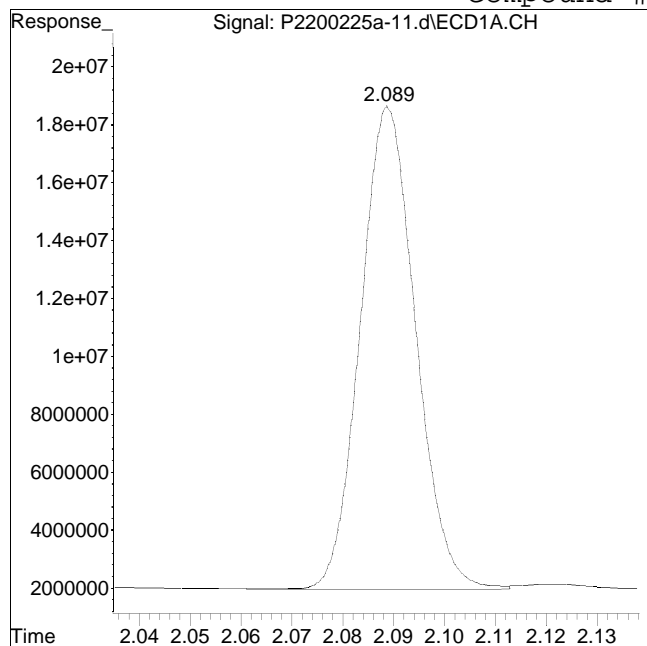


Manual Integration Report

Data Path : I:\Pest2\200225A\
Data File : P2200225a-11.d
Date Inj'd : 2/25/2020 4:56 pm
Sample : wg1343985-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/25/2020 10:08 pm

Compound #1: 1660_lbr2nb



Original Peak Response = 126198072

Manual Peak Response = 125060879 M4

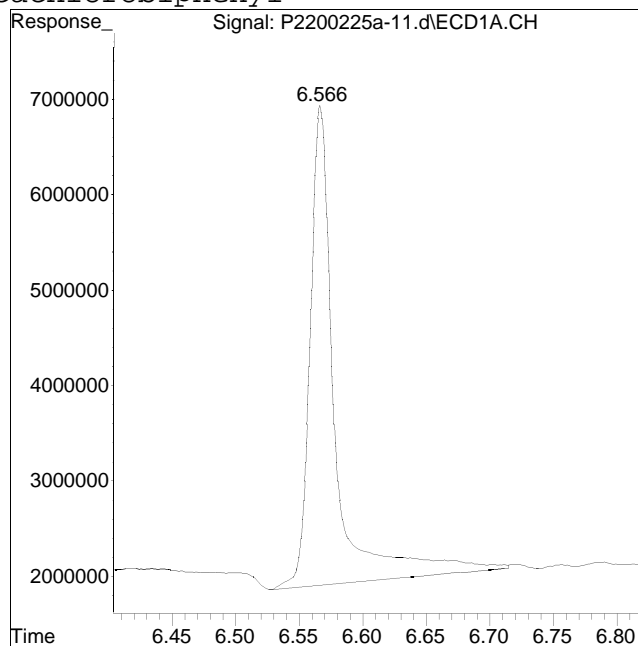
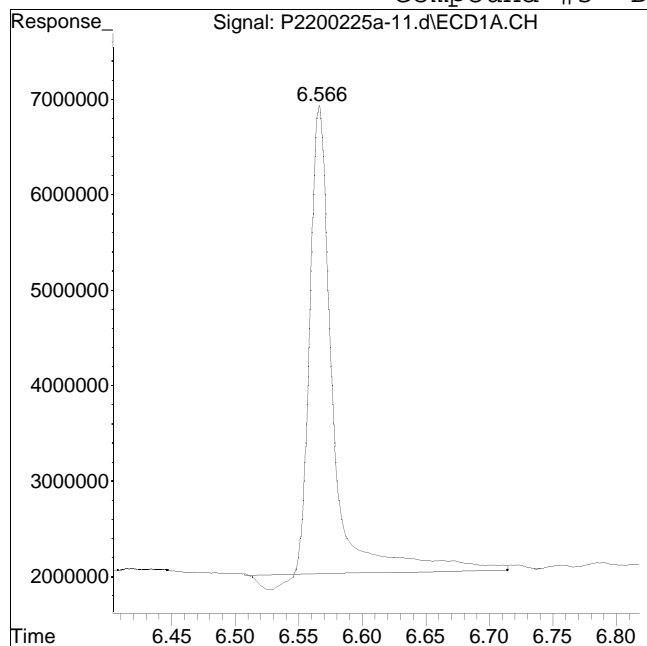
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200225A\
Data File : P2200225a-11.d
Date Inj'd : 2/25/2020 4:56 pm
Sample : wg1343985-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/25/2020 10:08 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 60585169

Manual Peak Response = 69439738 M4

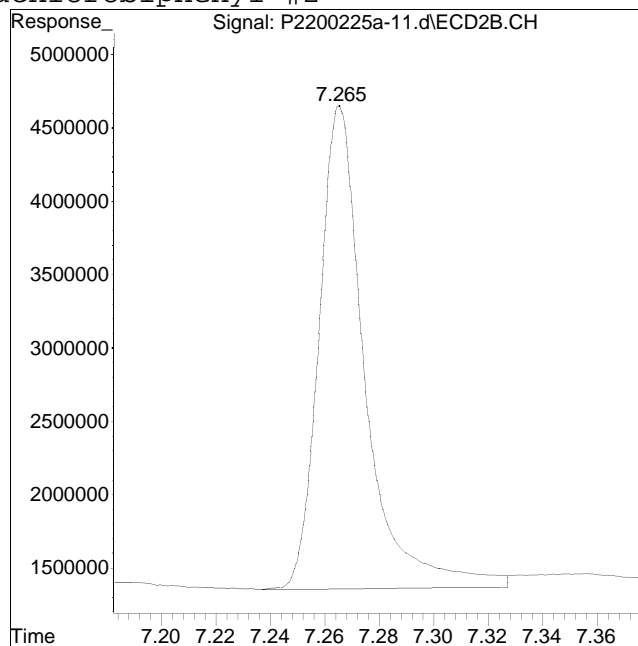
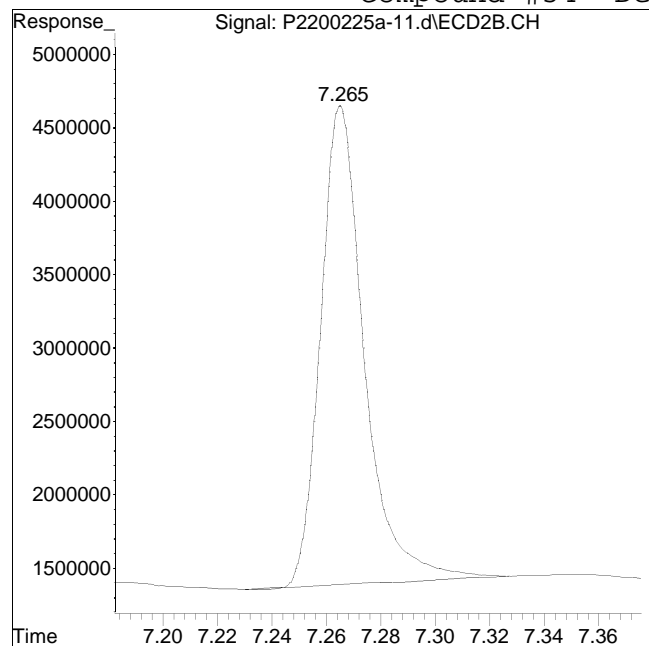
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200225A\
Data File : P2200225a-11.d
Date Inj'd : 2/25/2020 4:56 pm
Sample : wg1343985-1,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 2/25/2020 10:08 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 36407932

Manual Peak Response = 38848357 M4

M4 = Poor automated baseline construction.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-01	Date Collected : 02/24/20 09:02
Client ID : E-109-0.5-1.0	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-02	Date Collected : 02/24/20 10:02
Client ID : E-109-3.0-3.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 79
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	79.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-03	Date Collected : 02/24/20 10:12
Client ID : E-109-4.0-4.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-04	Date Collected : 02/24/20 10:05
Client ID : E-100-0.5-1.0	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-05	Date Collected : 02/24/20 10:45
Client ID : E-107-0.5-1.0	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 89
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-06	Date Collected : 02/24/20 11:27
Client ID : E-107-3.0-3.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-07	Date Collected : 02/24/20 11:37
Client ID : E-107-4.0-4.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-08	Date Collected : 02/24/20 11:36
Client ID : E-102-0.5-1.0	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 02:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : YA
Lab File ID : WG1343982.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-09	Date Collected : 02/24/20 11:47
Client ID : E-102-3.0-3.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 02:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : YA
Lab File ID : WG1343982.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-11	Date Collected : 02/24/20 13:03
Client ID : E-103-0.5-1.0	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 02:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : YA
Lab File ID : WG1343982.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-12	Date Collected : 02/24/20 13:14
Client ID : E-103-3.0-3.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/25/20 02:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : YA
Lab File ID : WG1343982.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-13	Date Collected : 02/24/20 13:31
Client ID : E-104-0.5-1.0	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-14	Date Collected : 02/24/20 13:37
Client ID : E-104-3.0-3.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-15	Date Collected : 02/24/20 13:58
Client ID : E-105-0.5-1.0	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	89.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-16	Date Collected : 02/24/20 14:10
Client ID : E-105-3.0-3.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008134-17	Date Collected : 02/24/20 14:15
Client ID : E-105-4.0-4.5	Date Received : 02/24/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008134
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1346565-1	Date Collected : 02/24/20 09:02
Client ID : E-109-0.5-1.0DUP	Date Received : 02/24/20
Sample Location :	Date Analyzed : 03/03/20 12:37
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1346565.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.7	0.100	NA	



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008134
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0007.03
Client Sample ID	: E-109-0.5-1.0	Matrix	: SOLID
Lab Sample ID	: L2008134-01	Analysis Date	: 03/03/20 12:37
Dup Sample ID	: WG1346565-1	DUP Analysis Date	: 03/03/20 12:37

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	81.6	81.7	0	20





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Lab Number: L2008381

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

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**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0008.06		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2008381		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/25/2020		Date of Last Sample Receipt: 02/25/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-168-0.5-1.0	L2008381-01	AMTRAK-EAST BARRACKS	02/25/2020 09:15
E-168-2.0-2.5	L2008381-02	AMTRAK-EAST BARRACKS	02/25/2020 09:24
E-168-3.5-4.0	L2008381-03	AMTRAK-EAST BARRACKS	02/25/2020 09:34
E-170-0.5-1.0	L2008381-04	AMTRAK-EAST BARRACKS	02/25/2020 10:05
E-170-2.0-2.5	L2008381-05	AMTRAK-EAST BARRACKS	02/25/2020 10:12
E-159-0.5-1.0	L2008381-06	AMTRAK-EAST BARRACKS	02/25/2020 10:40
E-159-2.0-2.4	L2008381-07	AMTRAK-EAST BARRACKS	02/25/2020 10:53
E-166-0.5-1.0	L2008381-08	AMTRAK-EAST BARRACKS	02/25/2020 11:26
E-166-2.0-2.5	L2008381-09	AMTRAK-EAST BARRACKS	02/25/2020 11:31
E-165-0.5-1.0	L2008381-10	AMTRAK-EAST BARRACKS	02/25/2020 12:02
E-165-2.0-2.5	L2008381-11	AMTRAK-EAST BARRACKS	02/25/2020 12:16
E-165-3.5-4.0	L2008381-12	AMTRAK-EAST BARRACKS	02/25/2020 12:30
E-167-0.5-1.0	L2008381-13	AMTRAK-EAST BARRACKS	02/25/2020 13:28
E-167-2.0-2.5	L2008381-14	AMTRAK-EAST BARRACKS	02/25/2020 13:35
E-167-3.5-4.0	L2008381-15	AMTRAK-EAST BARRACKS	02/25/2020 13:45
E-200-0.5-1.0	L2008381-16	AMTRAK-EAST BARRACKS	02/25/2020 14:06
E-200-2.0-2.5	L2008381-17	AMTRAK-EAST BARRACKS	02/25/2020 14:35
E-200-3.5-4.0	L2008381-18	AMTRAK-EAST BARRACKS	02/25/2020 14:41
X-11-02252020	L2008381-19	AMTRAK-EAST BARRACKS	02/25/2020 00:00
EB-13-02252020	L2008381-20	AMTRAK-EAST BARRACKS	02/25/2020 14:37

Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0008.06	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2008381	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/25/2020	Date of Last Sample Receipt: 02/25/2020

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.

Technical Director/Representative (Typed) Tiffani Morrissey	03/04/20
Technical Director/Representative (Signature) <i>Tiffani Morrissey</i>	

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Chain of Custody



NEW JERSEY CHAIN OF CUSTODY

Service Centers
 Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
 Albany, NY 12205: 14 Walker Way
 Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Westborough, MA 01581
 8 Walkup Dr.
 TEL: 508-898-9220
 FAX: 508-898-9193

Mansfield, MA 02048
 320 Forbes Blvd
 TEL: 508-822-9300
 FAX: 508-822-3288

Page 2
 of

Date Rec'd
 in Lab 2/26/20

ALPHA Job #
12008331

Project Information		Deliverables		Billing Information											
Project Name: <u>AMTRAK - EAST BARRACK</u>		<input checked="" type="checkbox"/> NJ Full / Reduced		<input type="checkbox"/> Same as Client Info											
Project Location:		<input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)		PO #											
Project #		<input type="checkbox"/> Other													
(Use Project name as Project #) <input type="checkbox"/>		Regulatory Requirement		Site Information											
Project Manager: <u>MARLENE LINDHART</u>		<input checked="" type="checkbox"/> SRS Residential/Non Residential		Is this site impacted by Petroleum? Yes <input type="checkbox"/>											
ALPHAQuote #:		<input checked="" type="checkbox"/> SRS Impact to Groundwater		Petroleum Product:											
Turn-Around Time		<input type="checkbox"/> NJ Ground Water Quality Standards													
Standard <input checked="" type="checkbox"/> Due Date:		<input type="checkbox"/> NJ IGW SPLP Leachate Criteria													
Rush (only if pre approved) <input type="checkbox"/> # of Days:		<input type="checkbox"/> Other													
These samples have been previously analyzed by Alpha <input type="checkbox"/>		ANALYSIS		Sample Filtration											
For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2		Other project specific requirements/comments: <u>H= HAD ANALYSIS</u> Please specify Metals or TAL.		<input type="checkbox"/> Done											
For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011				<input type="checkbox"/> Lab to do											
				<input type="checkbox"/> Lab to do											
				(Please Specify below)											
				Sample Specific Comments											
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials										
		Date	Time												
<u>08381-11</u>	<u>E-165-2.0-2.5</u>	<u>2-25-20</u>	<u>1216</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>									
<u>-12</u>	<u>E-165-3.5-4.0</u>	<u>2-25-20</u>	<u>1230</u>	<u>SOIL</u>	<u>NDF</u>	<u>H</u>									
<u>-13</u>	<u>E-167-0.5-1.0</u>	<u>2-25-20</u>	<u>1328</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>									
<u>-14</u>	<u>E-167-2.0-2.5</u>	<u>2-25-20</u>	<u>1335</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>									
<u>-15</u>	<u>E-167-3.5-4.0</u>	<u>2-25-20</u>	<u>1345</u>	<u>SOIL</u>	<u>NDF</u>	<u>H</u>									
<u>-16</u>	<u>E-200-0.5-1.0</u>	<u>2-25-20</u>	<u>1406</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>									
<u>-17</u>	<u>E-200-2.0-2.5</u>	<u>2-25-20</u>	<u>1435</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>									
<u>-18</u>	<u>E-200-3.5-4.0</u>	<u>2-25-20</u>	<u>1441</u>	<u>SOIL</u>	<u>NDF</u>	<u>H</u>									
<u>-19</u>	<u>X-11-02252020</u>	<u>2-25-20</u>	<u>-</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>									
<u>-20</u>	<u>EB-13-02252020</u>	<u>2-25-20</u>	<u>1437</u>	<u>WATER</u>	<u>NDF</u>	<u>X</u>									
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type		Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)					
Relinquished By:		Date/Time		Received By:		Date/Time									
<u>[Signature]</u>		<u>2/25/20 21:50</u>		<u>[Signature]</u>		<u>2/25/20 1800</u>									
<u>[Signature]</u>		<u>2/25/20 1925</u>		<u>[Signature]</u>		<u>2/25/20 20:15</u>									
<u>[Signature]</u>		<u>2/25/20 23:50</u>		<u>[Signature]</u>		<u>2/25/20 23:50</u>									

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 05 2020, 12:11 pm

Login Number: L2008381

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0008.06

Received: 25FEB20 Due Date: 05MAR20

Sample #	Client ID	Mat PR Collected
L2008381-01	E-168-0.5-1.0	3 S0 25FEB20 09:15
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 03/05/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2008381-02	E-168-2.0-2.5	3 S0 25FEB20 09:24
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		
L2008381-03	E-168-3.5-4.0	3 S0 25FEB20 09:34
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
HOLD-8082,HOLD-WETCHEM		
L2008381-04	E-170-0.5-1.0	3 S0 25FEB20 10:05
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		
L2008381-05	E-170-2.0-2.5	3 S0 25FEB20 10:12
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		
L2008381-06	E-159-0.5-1.0	3 S0 25FEB20 10:40
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 05 2020, 12:11 pm

Login Number: L2008381

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 25FEB20 Due Date: 05MAR20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2008381-07 E-159-2.0-2.4 3 S0 25FEB20 10:53

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/05/20

NJ-8082,TS

L2008381-08 E-166-0.5-1.0 3 S0 25FEB20 11:26

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/05/20

NJ-8082,TS

L2008381-09 E-166-2.0-2.5 3 S0 25FEB20 11:31

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/05/20

NJ-8082,TS

L2008381-10 E-165-0.5-1.0 3 S0 25FEB20 12:02

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/05/20

NJ-8082,TS

L2008381-11 E-165-2.0-2.5 3 S0 25FEB20 12:16

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/05/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 05 2020, 12:11 pm

Login Number: L2008381

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 25FEB20 Due Date: 05MAR20

Sample #	Client ID	Mat PR Collected
L2008381-12	E-165-3.5-4.0	3 S0 25FEB20 12:30
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
HOLD-8082,HOLD-WETCHEM		
L2008381-13	E-167-0.5-1.0	3 S0 25FEB20 13:28
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		
L2008381-14	E-167-2.0-2.5	3 S0 25FEB20 13:35
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		
L2008381-15	E-167-3.5-4.0	3 S0 25FEB20 13:45
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
HOLD-8082,HOLD-WETCHEM		
L2008381-16	E-200-0.5-1.0	3 S0 25FEB20 14:06
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		
L2008381-17	E-200-2.0-2.5	3 S0 25FEB20 14:35
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 05 2020, 12:11 pm

Login Number: L2008381

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 25FEB20 Due Date: 05MAR20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2008381-18 E-200-3.5-4.0 3 S0 25FEB20 14:41

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/05/20

HOLD-8082,HOLD-WETCHEM

L2008381-19 X-11-02252020 3 S0 25FEB20 00:00

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/05/20

NJ-8082,TS

L2008381-20 EB-13-02252020 1 S0 25FEB20 14:37

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/05/20

NJ-8082-LVI

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008381-01A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Geoffry Grace
L2008381-01A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-01A	Glass-A.06	INTACT	27-FEB-20		W1-S3-D CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-01A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S3-D CUSTODY	W1-S3-D CUSTODY	Brittney Kelley
L2008381-01A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-01A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-01A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-02A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-C CUSTODY	W1-S3-C CUSTODY	Geoffry Grace
L2008381-02A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-02A	Glass-A.06	INTACT	27-FEB-20		W1-S3-D CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-02A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S3-D CUSTODY	W1-S3-D CUSTODY	Brittney Kelley
L2008381-02A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-02A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-02A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-03A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Brittney Kelley	W18-S3-B CUSTODY	W18-S3-B CUSTODY	Brittney Kelley
L2008381-03A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-04A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Geoffry Grace
L2008381-04A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-04A	Glass-A.06	INTACT	27-FEB-20		W2-S3-A CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-04A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W2-S3-A CUSTODY	W2-S3-A CUSTODY	Brittney Kelley
L2008381-04A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-04A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-04A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-05A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-C CUSTODY	W1-S3-C CUSTODY	Geoffry Grace
L2008381-05A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008381-05A	Glass-A.06	INTACT	27-FEB-20		W2-S3-A CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-05A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W2-S3-A CUSTODY	W2-S3-A CUSTODY	Brittney Kelley
L2008381-05A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-05A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-05A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-06A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Geoffry Grace
L2008381-06A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-06A	Glass-A.06	INTACT	27-FEB-20		W1-S3-D CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-06A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S3-D CUSTODY	W1-S3-D CUSTODY	Brittney Kelley
L2008381-06A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-06A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-06A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-07A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-C CUSTODY	W1-S3-C CUSTODY	Geoffry Grace
L2008381-07A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-07A	Glass-A.06	INTACT	27-FEB-20		W1-S3-C CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-07A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S3-C CUSTODY	W1-S3-C CUSTODY	Brittney Kelley
L2008381-07A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-07A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-07A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-08A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Geoffry Grace
L2008381-08A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-08A	Glass-A.06	INTACT	27-FEB-20		W1-S3-D CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-08A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S3-D CUSTODY	W1-S3-D CUSTODY	Brittney Kelley
L2008381-08A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-08A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008381-08A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-09A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Geoffry Grace
L2008381-09A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-09A	Glass-A.06	INTACT	27-FEB-20		W1-S3-C CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-09A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S3-C CUSTODY	W1-S3-C CUSTODY	Brittney Kelley
L2008381-09A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-09A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-09A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-10A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-C CUSTODY	W1-S3-C CUSTODY	Geoffry Grace
L2008381-10A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-10A	Glass-A.06	INTACT	27-FEB-20		W1-S3-D CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-10A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S3-D CUSTODY	W1-S3-D CUSTODY	Brittney Kelley
L2008381-10A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-10A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-10A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-11A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Geoffry Grace
L2008381-11A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-11A	Glass-A.06	INTACT	27-FEB-20		W1-S3-D CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-11A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S3-D CUSTODY	W1-S3-D CUSTODY	Brittney Kelley
L2008381-11A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-11A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-11A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-12A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Brittney Kelley	W18-S3-B CUSTODY	W18-S3-B CUSTODY	Brittney Kelley
L2008381-12A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-13A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Geoffry Grace

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008381-13A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-13A	Glass-A.06	INTACT	27-FEB-20		W2-S3-A CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-13A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W2-S3-A CUSTODY	W2-S3-A CUSTODY	Brittney Kelley
L2008381-13A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-13A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-13A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-14A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Geoffry Grace
L2008381-14A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-14A	Glass-A.06	INTACT	27-FEB-20		W1-S3-C CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-14A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S3-C CUSTODY	W1-S3-C CUSTODY	Brittney Kelley
L2008381-14A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-14A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-14A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-15A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Brittney Kelley	W18-S3-B CUSTODY	W18-S3-B CUSTODY	Brittney Kelley
L2008381-15A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-16A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-B CUSTODY	W1-S3-B CUSTODY	Geoffry Grace
L2008381-16A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-16A	Glass-A.06	INTACT	27-FEB-20		W1-S3-C CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-16A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W1-S3-C CUSTODY	W1-S3-C CUSTODY	Brittney Kelley
L2008381-16A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008381-16A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-16A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-17A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN CUSTODY	Geoffry Grace	W1-S3-C CUSTODY	W1-S3-C CUSTODY	Geoffry Grace
L2008381-17A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN CUSTODY	WALK-IN CUSTODY	John Awuah
L2008381-17A	Glass-A.06	INTACT	27-FEB-20		W1-S3-D CUSTODY	John Awuah	ORGPREP	ORGPREP	John Awuah

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008381-17A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W1-S3-D	CUSTODY	W1-S3-D CUSTODY Brittney Kelley
L2008381-17A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2008381-17A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-17A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-18A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Brittney Kelley	W18-S3-B	CUSTODY	W18-S3-B CUSTODY Brittney Kelley
L2008381-18A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-19A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	WALK-IN	CUSTODY Geoffry Grace	W1-S3-C	CUSTODY	W1-S3-C CUSTODY Geoffry Grace
L2008381-19A	Glass-A.06	INTACT	27-FEB-20		ORGPREP	John Awuah	WALK-IN	CUSTODY	WALK-IN CUSTODY John Awuah
L2008381-19A	Glass-A.06	INTACT	27-FEB-20		W1-S3-D	CUSTODY John Awuah	ORGPREP	ORGPREP	John Awuah
L2008381-19A	Glass-A.06	INTACT	26-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Brittney Kelley	W1-S3-D	CUSTODY	W1-S3-D CUSTODY Brittney Kelley
L2008381-19A	Glass-A.06	INTACT	26-FEB-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Romany Ibrahim
L2008381-19A	Glass-A.06	INTACT	26-FEB-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008381-19A	Glass-A.06	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-20A	Amber-A.120	EMPTY	26-FEB-20		W24-S2-A	CUSTODY Michael Plante	CUSTODY	CUSTODY	Michael Plante
L2008381-20A	Amber-A.120	INTACT	26-FEB-20		CUSTODY	Brittney Kelley	W24-S2-A	CUSTODY	W24-S2-A CUSTODY Brittney Kelley
L2008381-20A	Amber-A.120	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal
L2008381-20B	Amber-A.120	INTACT	26-FEB-20		CUSTODY	Brittney Kelley	W24-S2-A	CUSTODY	W24-S2-A CUSTODY Brittney Kelley
L2008381-20B	Amber-A.120	INTACT	26-FEB-20	LOGIN	LOGIN	Hector Natal	CUSTODY	CUSTODY	Hector Natal

Methodology Review



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008381
Report Date: 03/04/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler **Custody Seal**
 A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2008381-01A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-02A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-03A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2008381-04A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-05A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-06A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-07A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-08A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-09A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-10A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-11A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-12A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2008381-13A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-14A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-15A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2008381-16A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-17A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-18A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2008381-19A	Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		NJ-8082(14),TS(7)
L2008381-20A	Amber 120ml unpreserved	A	6	6	4.3	Y	Absent		NJ-8082-LVI(7)
L2008381-20B	Amber 120ml unpreserved	A	6	6	4.3	Y	Absent		NJ-8082-LVI(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



**NJ DEP Data of Known Quality Protocols
 Conformance/Non-Conformance
 Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^\circ \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008381
Report Date: 03/04/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008381
Report Date: 03/04/20

Case Narrative (continued)

Report Submission

March 04, 2020: This final report includes the results of all requested analyses.

March 03, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

L2008381-01 and -13: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

L2008381-01, -13 and WG1344816-5: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Siffani Morrissey*

Report Date: 03/04/20

Title: Technical Director/Representative



Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008381
Report Date: 03/04/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008381
Report Date: 03/04/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Organics

**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-01D	Date Collected : 02/25/20 09:15
Client ID : E-168-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 19:57
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 19200227b-39	Analyst : CW
Sample Amount : 15.12 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.773	0.0686	U
11104-28-2	Aroclor 1221	ND	0.773	0.0774	U
11141-16-5	Aroclor 1232	ND	0.773	0.164	U
53469-21-9	Aroclor 1242	ND	0.773	0.104	U
12672-29-6	Aroclor 1248	ND	0.773	0.116	U
11097-69-1	Aroclor 1254	ND	0.773	0.0845	U
11096-82-5	Aroclor 1260	12.2	0.773	0.143	
37324-23-5	Aroclor 1262	ND	0.773	0.0981	U
11100-14-4	Aroclor 1268	ND	0.773	0.0800	U
1336-36-3	PCBs, Total	12.2	0.773	0.0686	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-02	Date Collected : 02/25/20 09:24
Client ID : E-168-2.0-2.5	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 14:42
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200227a-10	Analyst : CW
Sample Amount : 15.42 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 91
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0358	0.00318	U
11104-28-2	Aroclor 1221	ND	0.0358	0.00359	U
11141-16-5	Aroclor 1232	ND	0.0358	0.00759	U
53469-21-9	Aroclor 1242	ND	0.0358	0.00482	U
12672-29-6	Aroclor 1248	ND	0.0358	0.00537	U
11097-69-1	Aroclor 1254	ND	0.0358	0.00392	U
37324-23-5	Aroclor 1262	ND	0.0358	0.00454	U
11100-14-4	Aroclor 1268	ND	0.0358	0.00371	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-02 Client ID : E-168-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-10 Sample Amount : 15.42 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 09:24 Date Received : 02/25/20 Date Analyzed : 02/27/20 14:42 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 91 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	ND	0.0358	0.00661	U
1336-36-3	PCBs, Total	ND	0.0358	0.00318	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-04	Date Collected : 02/25/20 10:05
Client ID : E-170-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 14:55
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200227a-11	Analyst : CW
Sample Amount : 15.64 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0369	0.00328	U
11104-28-2	Aroclor 1221	ND	0.0369	0.00370	U
11141-16-5	Aroclor 1232	ND	0.0369	0.00783	U
53469-21-9	Aroclor 1242	ND	0.0369	0.00498	U
12672-29-6	Aroclor 1248	ND	0.0369	0.00554	U
11097-69-1	Aroclor 1254	ND	0.0369	0.00404	U
37324-23-5	Aroclor 1262	ND	0.0369	0.00469	U
11100-14-4	Aroclor 1268	ND	0.0369	0.00382	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-04 Client ID : E-170-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-11 Sample Amount : 15.64 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 10:05 Date Received : 02/25/20 Date Analyzed : 02/27/20 14:55 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 87 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0274	0.0369	0.00682	J
1336-36-3	PCBs, Total	0.0274	0.0369	0.00328	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-05	Date Collected : 02/25/20 10:12
Client ID : E-170-2.0-2.5	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 15:07
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200227a-12	Analyst : CW
Sample Amount : 15.31 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0384	0.00341	U
11104-28-2	Aroclor 1221	ND	0.0384	0.00385	U
11141-16-5	Aroclor 1232	ND	0.0384	0.00814	U
53469-21-9	Aroclor 1242	ND	0.0384	0.00518	U
12672-29-6	Aroclor 1248	ND	0.0384	0.00576	U
11097-69-1	Aroclor 1254	ND	0.0384	0.00420	U
37324-23-5	Aroclor 1262	ND	0.0384	0.00488	U
11100-14-4	Aroclor 1268	ND	0.0384	0.00398	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-05 Client ID : E-170-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-12 Sample Amount : 15.31 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 10:12 Date Received : 02/25/20 Date Analyzed : 02/27/20 15:07 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 85 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0528	0.0384	0.00710	
1336-36-3	PCBs, Total	0.0528	0.0384	0.00341	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-06	Date Collected : 02/25/20 10:40
Client ID : E-159-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 15:19
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200227a-13	Analyst : CW
Sample Amount : 15.32 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0371	0.00330	U
11104-28-2	Aroclor 1221	ND	0.0371	0.00372	U
11141-16-5	Aroclor 1232	ND	0.0371	0.00787	U
53469-21-9	Aroclor 1242	ND	0.0371	0.00500	U
12672-29-6	Aroclor 1248	ND	0.0371	0.00557	U
37324-23-5	Aroclor 1262	ND	0.0371	0.00472	U
11100-14-4	Aroclor 1268	ND	0.0371	0.00385	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-06 Client ID : E-159-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-13 Sample Amount : 15.32 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 10:40 Date Received : 02/25/20 Date Analyzed : 02/27/20 15:19 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 88 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.0199	0.0371	0.00406	J
11096-82-5	Aroclor 1260	0.0225	0.0371	0.00686	J
1336-36-3	PCBs, Total	0.0424	0.0371	0.00330	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-07	Date Collected : 02/25/20 10:53
Client ID : E-159-2.0-2.4	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 15:32
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200227a-14	Analyst : CW
Sample Amount : 15.84 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0357	0.00317	U
11104-28-2	Aroclor 1221	ND	0.0357	0.00358	U
11141-16-5	Aroclor 1232	ND	0.0357	0.00758	U
53469-21-9	Aroclor 1242	ND	0.0357	0.00482	U
12672-29-6	Aroclor 1248	ND	0.0357	0.00536	U
11096-82-5	Aroclor 1260	0.0191	0.0357	0.00661	J
37324-23-5	Aroclor 1262	ND	0.0357	0.00454	U
11100-14-4	Aroclor 1268	ND	0.0357	0.00370	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-07 Client ID : E-159-2.0-2.4 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-14 Sample Amount : 15.84 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 10:53 Date Received : 02/25/20 Date Analyzed : 02/27/20 15:32 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 88 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.0337	0.0357	0.00391	J
1336-36-3	PCBs, Total	0.0528	0.0357	0.00317	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-08	Date Collected : 02/25/20 11:26
Client ID : E-166-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 15:44
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200227a-15	Analyst : CW
Sample Amount : 15.26 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0406	0.00361	U
11104-28-2	Aroclor 1221	ND	0.0406	0.00407	U
11141-16-5	Aroclor 1232	ND	0.0406	0.00862	U
53469-21-9	Aroclor 1242	ND	0.0406	0.00548	U
12672-29-6	Aroclor 1248	ND	0.0406	0.00610	U
11097-69-1	Aroclor 1254	ND	0.0406	0.00445	U
11096-82-5	Aroclor 1260	0.0580	0.0406	0.00751	
37324-23-5	Aroclor 1262	ND	0.0406	0.00516	U
11100-14-4	Aroclor 1268	ND	0.0406	0.00421	U
1336-36-3	PCBs, Total	0.0580	0.0406	0.00361	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-09 Client ID : E-166-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-16 Sample Amount : 15.43 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 11:31 Date Received : 02/25/20 Date Analyzed : 02/27/20 15:56 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 88 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0367	0.00326	U
11104-28-2	Aroclor 1221	ND	0.0367	0.00368	U
11141-16-5	Aroclor 1232	ND	0.0367	0.00779	U
53469-21-9	Aroclor 1242	0.0128	0.0367	0.00495	J
12672-29-6	Aroclor 1248	ND	0.0367	0.00551	U
37324-23-5	Aroclor 1262	ND	0.0367	0.00466	U
11100-14-4	Aroclor 1268	ND	0.0367	0.00381	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-09 Client ID : E-166-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-16 Sample Amount : 15.43 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 11:31 Date Received : 02/25/20 Date Analyzed : 02/27/20 15:56 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 88 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.0723	0.0367	0.00402	
11096-82-5	Aroclor 1260	0.0390	0.0367	0.00679	
1336-36-3	PCBs, Total	0.124	0.0367	0.00326	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-10D	Date Collected : 02/25/20 12:02
Client ID : E-165-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 19:37
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 19200227b-36	Analyst : CW
Sample Amount : 15.76 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 84
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.189	0.0167	U
11104-28-2	Aroclor 1221	ND	0.189	0.0189	U
11141-16-5	Aroclor 1232	ND	0.189	0.0400	U
53469-21-9	Aroclor 1242	ND	0.189	0.0254	U
12672-29-6	Aroclor 1248	ND	0.189	0.0283	U
11096-82-5	Aroclor 1260	0.724	0.189	0.0348	
37324-23-5	Aroclor 1262	ND	0.189	0.0240	U
11100-14-4	Aroclor 1268	ND	0.189	0.0195	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008381
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2008381-10D	Date Collected	: 02/25/20 12:02
Client ID	: E-165-0.5-1.0	Date Received	: 02/25/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 02/27/20 19:37
Sample Matrix	: SOIL	Date Extracted	: 02/27/20
Analytical Method	: 1,8082A	Dilution Factor	: 5
Lab File ID	: 19200227b-36	Analyst	: CW
Sample Amount	: 15.76 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-PesticideII
Extract Volume	: 1000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.730	0.189	0.0206	
1336-36-3	PCBs, Total	1.45	0.189	0.0167	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-11	Date Collected : 02/25/20 12:16
Client ID : E-165-2.0-2.5	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 16:21
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200227a-18	Analyst : CW
Sample Amount : 15.14 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 77
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0428	0.00380	U
11104-28-2	Aroclor 1221	ND	0.0428	0.00429	U
11141-16-5	Aroclor 1232	ND	0.0428	0.00907	U
53469-21-9	Aroclor 1242	ND	0.0428	0.00577	U
12672-29-6	Aroclor 1248	ND	0.0428	0.00642	U
11097-69-1	Aroclor 1254	ND	0.0428	0.00468	U
37324-23-5	Aroclor 1262	ND	0.0428	0.00543	U
11100-14-4	Aroclor 1268	ND	0.0428	0.00443	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-11 Client ID : E-165-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-18 Sample Amount : 15.14 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 12:16 Date Received : 02/25/20 Date Analyzed : 02/27/20 16:21 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 77 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.554	0.0428	0.00790	
1336-36-3	PCBs, Total	0.554	0.0428	0.00380	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-13D	Date Collected : 02/25/20 13:28
Client ID : E-167-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 10:59
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 25
Lab File ID : 19200228a-05	Analyst : AWS
Sample Amount : 15.52 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.994	0.0883	U
11104-28-2	Aroclor 1221	ND	0.994	0.0996	U
11141-16-5	Aroclor 1232	ND	0.994	0.211	U
53469-21-9	Aroclor 1242	ND	0.994	0.134	U
12672-29-6	Aroclor 1248	ND	0.994	0.149	U
11097-69-1	Aroclor 1254	ND	0.994	0.109	U
11096-82-5	Aroclor 1260	4.63	0.994	0.184	
37324-23-5	Aroclor 1262	ND	0.994	0.126	U
11100-14-4	Aroclor 1268	ND	0.994	0.103	U
1336-36-3	PCBs, Total	4.63	0.994	0.0883	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-14 Client ID : E-167-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-20 Sample Amount : 15.72 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 13:35 Date Received : 02/25/20 Date Analyzed : 02/27/20 16:45 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 90 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0353	0.00314	U
11104-28-2	Aroclor 1221	ND	0.0353	0.00354	U
11141-16-5	Aroclor 1232	ND	0.0353	0.00749	U
53469-21-9	Aroclor 1242	ND	0.0353	0.00476	U
12672-29-6	Aroclor 1248	ND	0.0353	0.00530	U
11097-69-1	Aroclor 1254	ND	0.0353	0.00387	U
37324-23-5	Aroclor 1262	ND	0.0353	0.00449	U
11100-14-4	Aroclor 1268	ND	0.0353	0.00366	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-14 Client ID : E-167-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-20 Sample Amount : 15.72 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 13:35 Date Received : 02/25/20 Date Analyzed : 02/27/20 16:45 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 90 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0710	0.0353	0.00653	
1336-36-3	PCBs, Total	0.0710	0.0353	0.00314	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-16 Client ID : E-200-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-21 Sample Amount : 15.63 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 14:06 Date Received : 02/25/20 Date Analyzed : 02/27/20 16:58 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 82 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0389	0.00346	U
11104-28-2	Aroclor 1221	ND	0.0389	0.00390	U
11141-16-5	Aroclor 1232	ND	0.0389	0.00825	U
53469-21-9	Aroclor 1242	ND	0.0389	0.00525	U
12672-29-6	Aroclor 1248	ND	0.0389	0.00584	U
37324-23-5	Aroclor 1262	ND	0.0389	0.00494	U
11100-14-4	Aroclor 1268	ND	0.0389	0.00403	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-16 Client ID : E-200-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-21 Sample Amount : 15.63 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 14:06 Date Received : 02/25/20 Date Analyzed : 02/27/20 16:58 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 82 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.515	0.0389	0.00426	
11096-82-5	Aroclor 1260	0.136	0.0389	0.00719	
1336-36-3	PCBs, Total	0.651	0.0389	0.00346	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-17 Client ID : E-200-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-22 Sample Amount : 15.72 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 14:35 Date Received : 02/25/20 Date Analyzed : 02/27/20 17:10 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 76 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0421	0.00374	U
11104-28-2	Aroclor 1221	ND	0.0421	0.00422	U
11141-16-5	Aroclor 1232	ND	0.0421	0.00892	U
53469-21-9	Aroclor 1242	ND	0.0421	0.00567	U
12672-29-6	Aroclor 1248	ND	0.0421	0.00631	U
37324-23-5	Aroclor 1262	ND	0.0421	0.00534	U
11100-14-4	Aroclor 1268	ND	0.0421	0.00436	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008381-17 Client ID : E-200-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200227a-22 Sample Amount : 15.72 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008381 Project Number : 277710568.0008.06 Date Collected : 02/25/20 14:35 Date Received : 02/25/20 Date Analyzed : 02/27/20 17:10 Date Extracted : 02/27/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 76 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.133	0.0421	0.00460	
11096-82-5	Aroclor 1260	0.0357	0.0421	0.00777	J
1336-36-3	PCBs, Total	0.169	0.0421	0.00374	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-19D	Date Collected : 02/25/20 00:00
Client ID : X-11-02252020	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 19:50
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : 19200227b-38	Analyst : CW
Sample Amount : 15.64 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 82
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.195	0.0174	U
11104-28-2	Aroclor 1221	ND	0.195	0.0196	U
11141-16-5	Aroclor 1232	ND	0.195	0.0414	U
53469-21-9	Aroclor 1242	ND	0.195	0.0263	U
12672-29-6	Aroclor 1248	ND	0.195	0.0293	U
11097-69-1	Aroclor 1254	ND	0.195	0.0214	U
11096-82-5	Aroclor 1260	3.06	0.195	0.0361	
37324-23-5	Aroclor 1262	ND	0.195	0.0248	U
11100-14-4	Aroclor 1268	ND	0.195	0.0202	U
1336-36-3	PCBs, Total	3.06	0.195	0.0174	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-20	Date Collected : 02/25/20 14:37
Client ID : EB-13-02252020	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/27/20 13:26
Sample Matrix : WATER	Date Extracted : 02/26/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200227a-15	Analyst : AD
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1344382-1	Date Collected : NA
Client ID : WG1344382-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/26/20 11:41
Sample Matrix : WATER	Date Extracted : 02/26/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200226b-06	Analyst : AWS
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1344816-1	Date Collected : NA
Client ID : WG1344816-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/27/20 13:29
Sample Matrix : SOIL	Date Extracted : 02/27/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200227a-04	Analyst : CW
Sample Amount : 15.54 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0322	0.00286	U
11104-28-2	Aroclor 1221	ND	0.0322	0.00322	U
11141-16-5	Aroclor 1232	ND	0.0322	0.00682	U
53469-21-9	Aroclor 1242	ND	0.0322	0.00434	U
12672-29-6	Aroclor 1248	ND	0.0322	0.00483	U
11097-69-1	Aroclor 1254	ND	0.0322	0.00352	U
11096-82-5	Aroclor 1260	ND	0.0322	0.00594	U
37324-23-5	Aroclor 1262	ND	0.0322	0.00409	U
11100-14-4	Aroclor 1268	ND	0.0322	0.00333	U
1336-36-3	PCBs, Total	ND	0.0322	0.00286	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008381
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: WG1344816-5D	Date Collected	: 02/25/20 09:15
Client ID	: E-168-0.5-1.0DUP	Date Received	: 02/25/20
Sample Location	:	Date Analyzed	: 02/27/20 20:04
Sample Matrix	: SOIL	Date Extracted	: 02/27/20
Analytical Method	: 1,8082A	Dilution Factor	: 20
Lab File ID	: 19200227b-40	Analyst	: CW
Sample Amount	: 15.84 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.738	0.066	U
11104-28-2	Aroclor 1221	ND	0.738	0.074	U
11141-16-5	Aroclor 1232	ND	0.738	0.156	U
53469-21-9	Aroclor 1242	ND	0.738	0.099	U
12672-29-6	Aroclor 1248	ND	0.738	0.111	U
11097-69-1	Aroclor 1254	ND	0.738	0.081	U
11096-82-5	Aroclor 1260	9.41	0.738	0.136	
37324-23-5	Aroclor 1262	ND	0.738	0.094	U
11100-14-4	Aroclor 1268	ND	0.738	0.076	U
1336-36-3	PCBs, Total	9.41	0.738	0.066	



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1344382-1	Lab File ID : P2200226b-06
Matrix : WATER	Extraction Date : 02/26/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/26/20 11:41	Analysis Date (2) : 02/26/20 11:41
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1344382-2LCS	WG1344382-2	02/26/20 11:55	02/26/20 11:55
WG1344382-3LCSD	WG1344382-3	02/26/20 12:08	02/26/20 12:08
EB-13-02252020	L2008381-20	02/27/20 13:26	02/27/20 13:26



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1344816-1	Lab File ID : P7200227a-04
Matrix : SOIL	Extraction Date : 02/27/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/27/20 13:29	Analysis Date (2) : 02/27/20 13:29
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1344816-2LCS	WG1344816-2	02/27/20 13:41	02/27/20 13:41
WG1344816-3LCSD	WG1344816-3	02/27/20 13:53	02/27/20 13:53
E-168-2.0-2.5	L2008381-02	02/27/20 14:42	02/27/20 14:42
E-170-0.5-1.0	L2008381-04	02/27/20 14:55	02/27/20 14:55
E-170-2.0-2.5	L2008381-05	02/27/20 15:07	02/27/20 15:07
E-159-0.5-1.0	L2008381-06	02/27/20 15:19	02/27/20 15:19
E-159-2.0-2.4	L2008381-07	02/27/20 15:32	02/27/20 15:32
E-166-0.5-1.0	L2008381-08	02/27/20 15:44	02/27/20 15:44
E-166-2.0-2.5	L2008381-09	02/27/20 15:56	02/27/20 15:56
E-165-2.0-2.5	L2008381-11	02/27/20 16:21	02/27/20 16:21
E-167-2.0-2.5	L2008381-14	02/27/20 16:45	02/27/20 16:45
E-200-0.5-1.0	L2008381-16	02/27/20 16:58	02/27/20 16:58
E-200-2.0-2.5	L2008381-17	02/27/20 17:10	02/27/20 17:10
E-165-0.5-1.0	L2008381-10D	02/27/20 19:37	02/27/20 19:37
X-11-02252020	L2008381-19D	02/27/20 19:50	02/27/20 19:50
E-168-0.5-1.0	L2008381-01D	02/27/20 19:57	02/27/20 19:57
E-168-0.5-1.0DUP	WG1344816-5D	02/27/20 20:04	02/27/20 20:04
E-167-0.5-1.0	L2008381-13D	02/28/20 10:59	02/28/20 10:59



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008381
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.473	1.290	1.250	1.210	1.137	1.021	1.230	12.37
3) s Decachlorobiphenyl	1.026	0.864	0.827	0.777	0.743	0.662	0.817	15.21
4) 11 1016-1	0.029	0.025	0.023	0.021	0.019	0.017	0.022	18.43
5) 11 1016-2	0.063	0.053	0.049	0.045	0.041	0.036	0.048	19.80
6) 11 1016-3	0.124	0.108	0.104	0.099	0.093	0.083	0.102	13.64
7) 11 1016-4	0.053	0.048	0.043	0.040	0.038	0.034	0.043	15.82
8) 11 1016-5	0.056	0.049	0.046	0.043	0.041	0.037	0.045	14.66
9) 12 1260-1	0.075	0.064	0.060	0.057	0.054	0.049	0.060	14.99
10) 12 1260-2	0.111	0.096	0.091	0.086	0.082	0.073	0.090	14.56
11) 12 1260-3	0.062	0.059	0.056	0.053	0.052	0.047	0.055	9.75
12) 12 1260-4	0.146	0.130	0.125	0.120	0.114	0.098	0.122	13.22
13) 12 1260-5	0.100	0.088	0.085	0.080	0.079	0.072	0.084	11.45
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.014	0.013	0.012	0.011	0.010	0.012	14.08
16) 13 1221-3	0.010	0.009	0.008	0.007	0.007	0.006	0.008	16.46
17) 13 1221-4	0.037	0.031	0.029	0.026	0.024	0.022	0.028	19.89
18) 14 1254-1	0.055	0.046	0.044	0.041	0.039	0.036	0.043	15.13
19) 14 1254-2	0.097	0.081	0.077	0.072	0.068	0.063	0.076	15.79
20) 14 1254-3	0.090	0.077	0.074	0.070	0.066	0.061	0.073	13.58
21) 14 1254-4	0.068	0.062	0.058	0.056	0.053	0.049	0.058	11.79
22) 14 1254-5	0.094	0.080	0.077	0.074	0.070	0.066	0.077	12.65
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.018	0.016	0.015	0.014	0.012	0.016	16.30
25) 16 1242-2	0.043	0.037	0.035	0.031	0.029	0.027	0.034	17.65
26) 16 1242-3	0.085	0.077	0.074	0.069	0.068	0.062	0.073	11.36
27) 16 1242-4	0.039	0.037	0.034	0.032	0.030	0.028	0.034	11.86
28) 16 1242-5	0.028	0.026	0.025	0.024	0.023	0.021	0.024	9.69
29) 19 1268-1	0.164	0.145	0.141	0.131	0.121	0.105	0.135	15.17
30) 19 1268-2	0.162	0.148	0.141	0.132	0.123	0.110	0.136	13.59
31) 19 1268-3	0.108	0.098	0.094	0.088	0.083	0.076	0.091	12.44
32) 19 1268-4	0.053	0.048	0.047	0.044	0.043	0.040	0.046	9.66
33) 19 1268-5	0.292	0.267	0.255	0.234	0.212	0.179	0.240	16.83
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.027	0.027	0.025	0.024	0.022	0.026	12.33
36) 17 1248-2	0.044	0.036	0.036	0.033	0.032	0.027	0.035	16.84



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008381
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.064	0.061	0.054	0.051	0.049	0.044	0.054	13.95
38) 17 1248-4	0.057	0.051	0.048	0.045	0.044	0.040	0.047	12.58
39) 17 1248-5	0.047	0.043	0.041	0.039	0.038	0.035	0.040	11.04
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.025	0.023	0.020	0.019	0.017	0.022	20.00
42) 15 1232-2	0.028	0.024	0.022	0.019	0.019	0.017	0.021	19.01
43) 15 1232-3	0.053	0.048	0.045	0.042	0.041	0.038	0.044	12.42
44) 15 1232-4	0.022	0.021	0.020	0.017	0.018	0.017	0.019	11.95
45) 15 1232-5	0.017	0.015	0.014	0.013	0.013	0.012	0.014	14.33
46) 18 1262-1	0.074	0.063	0.058	0.053	0.052	0.048	0.058	16.15
47) 18 1262-2	0.086	0.075	0.070	0.066	0.063	0.057	0.070	14.64
48) 18 1262-3	0.074	0.066	0.062	0.059	0.056	0.052	0.062	12.83
49) 18 1262-4	0.147	0.133	0.125	0.117	0.111	0.099	0.122	13.81
50) 18 1262-5	0.046	0.043	0.040	0.038	0.036	0.034	0.040	10.81



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008381
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.381	1.232	1.206	1.198	1.168	1.071	1.209	8.34
3) s Decachlorobip	0.882	0.739	0.722	0.700	0.682	0.636	0.727	11.55
4) 11 1016-1	0.027	0.024	0.022	0.020	0.019	0.018	0.022	15.75
5) 11 1016-2	0.059	0.051	0.047	0.044	0.042	0.039	0.047	15.56
6) 11 1016-3	0.113	0.099	0.094	0.091	0.091	0.084	0.095	10.57
7) 11 1016-4	0.044	0.038	0.036	0.034	0.033	0.031	0.036	12.33
8) 11 1016-5	0.036	0.031	0.029	0.028	0.027	0.025	0.029	13.42
9) 12 1260-1	0.069	0.058	0.053	0.051	0.050	0.047	0.054	14.48
10) 12 1260-2	0.078	0.066	0.061	0.059	0.058	0.054	0.063	13.09
11) 12 1260-3	0.061	0.053	0.050	0.049	0.048	0.045	0.051	10.80
12) 12 1260-4	0.122	0.108	0.104	0.103	0.101	0.093	0.105	9.18
13) 12 1260-5	0.088	0.075	0.072	0.070	0.070	0.066	0.074	10.50
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.016	0.013	0.012	0.011	0.010	0.010	0.012	16.89
16) 13 1221-3	0.009	0.008	0.008	0.007	0.007	0.006	0.008	14.40
17) 13 1221-4	0.035	0.030	0.028	0.026	0.024	0.022	0.027	15.95
18) 14 1254-1	0.053	0.044	0.041	0.039	0.038	0.036	0.042	13.97
19) 14 1254-2	0.063	0.050	0.047	0.045	0.043	0.041	0.048	16.16
20) 14 1254-3	0.090	0.077	0.072	0.070	0.067	0.064	0.073	12.70
21) 14 1254-4	0.060	0.050	0.048	0.046	0.045	0.043	0.049	12.53
22) 14 1254-5	0.081	0.069	0.065	0.063	0.061	0.059	0.066	11.77
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.017	0.016	0.014	0.013	0.012	0.015	16.00
25) 16 1242-2	0.042	0.037	0.034	0.031	0.030	0.028	0.034	15.54
26) 16 1242-3	0.078	0.070	0.068	0.066	0.063	0.060	0.067	9.13
27) 16 1242-4	0.025	0.023	0.022	0.020	0.020	0.019	0.021	11.23
28) 16 1242-5	0.025	0.023	0.021	0.020	0.019	0.018	0.021	10.92
29) 19 1268-1	0.142	0.125	0.121	0.117	0.113	0.103	0.120	10.81
30) 19 1268-2	0.142	0.126	0.121	0.118	0.115	0.106	0.121	9.84
31) 19 1268-3	0.096	0.083	0.080	0.078	0.076	0.072	0.081	10.46
32) 19 1268-4	0.048	0.044	0.041	0.039	0.038	0.037	0.041	10.31
33) 19 1268-5	0.248	0.239	0.228	0.219	0.206	0.181	0.220	11.03
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.026	0.024	0.023	0.023	0.021	0.024	10.31
36) 17 1248-2	0.036	0.032	0.029	0.027	0.026	0.025	0.029	14.43



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.044	0.039	0.036	0.034	0.033	0.031	0.036	12.89
38) 17 1248-4	0.048	0.042	0.040	0.038	0.037	0.035	0.040	11.61
39) 17 1248-5	0.053	0.047	0.044	0.042	0.041	0.039	0.045	11.42
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.027	0.024	0.022	0.019	0.019	0.017	0.021	17.41
42) 15 1232-2	0.027	0.025	0.022	0.020	0.019	0.017	0.022	17.37
43) 15 1232-3	0.049	0.045	0.041	0.038	0.038	0.036	0.041	11.60
44) 15 1232-4	0.015	0.014	0.012	0.011	0.011	0.010	0.012	14.64
45) 15 1232-5	0.014	0.013	0.012	0.011	0.011	0.010	0.012	14.30
46) 18 1262-1	0.057	0.046	0.042	0.040	0.039	0.037	0.044	16.49
47) 18 1262-2	0.074	0.062	0.057	0.053	0.055	0.050	0.059	14.39
48) 18 1262-3	0.066	0.057	0.053	0.052	0.051	0.048	0.055	11.60
49) 18 1262-4	0.123	0.107	0.101	0.098	0.097	0.089	0.102	11.26
50) 18 1262-5	0.044	0.038	0.036	0.034	0.034	0.033	0.036	11.21



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVIIi-17.d 2 =P2190806LVIIi-03.d 3 =P2190806LVIIi-04.d 4 =P2190806LVIIi-08.d
 5 =P2190806LVIIi-06.d 6 =P2190806LVIIi-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.580	1.358	1.329	1.239	1.126	1.195	1.305	12.25
3) s Decachlorobiphenyl	1.366	1.092	1.055	0.972	0.874	0.920	1.047	16.84
4) 11 1016-1	0.030	0.027	0.026	0.023	0.020	0.021	0.025	15.05
5) 11 1016-2	0.063	0.058	0.056	0.049	0.043	0.045	0.052	14.74
6) 11 1016-3	0.132	0.115	0.110	0.100	0.090	0.094	0.107	14.46
7) 11 1016-4	0.058	0.050	0.047	0.042	0.037	0.038	0.045	17.00
8) 11 1016-5	0.057	0.052	0.050	0.045	0.039	0.040	0.047	14.50
9) 12 1260-1	0.082	0.071	0.068	0.061	0.055	0.057	0.066	15.59
10) 12 1260-2	0.123	0.106	0.102	0.092	0.084	0.087	0.099	14.62
11) 12 1260-3	0.078	0.071	0.066	0.060	0.054	0.058	0.064	14.14
12) 12 1260-4	0.160	0.144	0.139	0.128	0.118	0.124	0.136	11.47
13) 12 1260-5	0.093	0.111	0.107	0.097	0.089	0.091	0.098	9.07
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.020	0.017	0.015	0.015	0.013	0.012	0.015	17.65
16) 13 1221-3	0.011	0.011	0.010	0.010	0.008	0.008	0.010	13.69
17) 13 1221-4	0.042	0.038	0.034	0.033	0.029	0.027	0.034	16.48
18) 14 1254-1	0.062	0.055	0.049	0.047	0.042	0.040	0.049	16.73
19) 14 1254-2	0.106	0.096	0.086	0.083	0.073	0.071	0.086	15.76
20) 14 1254-3	0.110	0.090	0.082	0.080	0.072	0.070	0.084	17.30
21) 14 1254-4	0.083	0.072	0.065	0.063	0.057	0.055	0.066	15.49
22) 14 1254-5	0.118	0.101	0.092	0.089	0.079	0.077	0.093	16.35
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.025	0.022	0.021	0.018	0.017	0.015	0.020	18.24
25) 16 1242-2	0.055	0.048	0.044	0.039	0.036	0.033	0.042	18.86
26) 16 1242-3	0.111	0.093	0.087	0.077	0.075	0.070	0.086	17.57
27) 16 1242-4	0.050	0.043	0.041	0.037	0.035	0.031	0.039	16.54
28) 16 1242-5	0.037	0.031	0.030	0.026	0.025	0.023	0.029	17.46
29) 19 1268-1	0.229	0.190	0.181	0.166	0.163	0.151	0.180	15.35
30) 19 1268-2	0.231	0.194	0.186	0.168	0.166	0.153	0.183	15.09
31) 19 1268-3	0.160	0.133	0.126	0.115	0.113	0.105	0.125	15.67
32) 19 1268-4	0.089	0.068	0.065	0.059	0.057	0.053	0.065	19.71
33) 19 1268-5	0.421	0.356	0.348	0.321	0.319	0.290	0.343	13.13
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.043	0.039	0.036	0.033	0.030	0.029	0.035	16.12
36) 17 1248-2	0.049	0.048	0.044	0.039	0.036	0.034	0.042	14.96



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.078	0.073	0.065	0.060	0.058	0.070	16.34
38) 17 1248-4	0.071	0.067	0.061	0.057	0.052	0.050	0.060	13.60
39) 17 1248-5	0.062	0.061	0.055	0.049	0.046	0.044	0.053	14.64
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.030	0.029	0.027	0.024	0.022	0.021	0.025	15.00
42) 15 1232-2	0.028	0.028	0.026	0.023	0.021	0.020	0.024	13.93
43) 15 1232-3	0.059	0.055	0.052	0.046	0.044	0.043	0.050	12.96
44) 15 1232-4	0.024	0.024	0.022	0.020	0.019	0.018	0.021	11.43
45) 15 1232-5	0.016	0.018	0.016	0.014	0.014	0.013	0.015	12.09
46) 18 1262-1	0.081	0.072	0.069	0.061	0.059	0.056	0.066	14.22
47) 18 1262-2	0.107	0.090	0.084	0.074	0.072	0.068	0.083	17.55
48) 18 1262-3	0.087	0.080	0.077	0.069	0.068	0.064	0.074	11.54
49) 18 1262-4	0.169	0.150	0.144	0.133	0.131	0.125	0.142	11.28
50) 18 1262-5	0.060	0.057	0.054	0.049	0.047	0.044	0.052	11.69



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.481	1.319	1.295	1.217	1.125	1.224	1.277	9.48
3) s Decachlorobip	1.275	1.122	1.094	1.019	0.936	1.017	1.077	10.84
4) 11 1016-1	0.028	0.025	0.025	0.022	0.020	0.021	0.023	13.02
5) 11 1016-2	0.056	0.057	0.056	0.048	0.043	0.045	0.051	11.93
6) 11 1016-3	0.116	0.106	0.108	0.098	0.089	0.096	0.102	9.45
7) 11 1016-4	0.046	0.044	0.045	0.039	0.034	0.036	0.041	11.95
8) 11 1016-5	0.036	0.036	0.035	0.032	0.028	0.030	0.033	10.17
9) 12 1260-1	0.075	0.071	0.070	0.065	0.059	0.063	0.067	9.23
10) 12 1260-2	0.090	0.082	0.082	0.076	0.069	0.074	0.079	9.36
11) 12 1260-3	0.075	0.074	0.072	0.066	0.061	0.065	0.069	8.28
12) 12 1260-4	0.167	0.150	0.147	0.138	0.128	0.139	0.145	9.27
13) 12 1260-5	0.113	0.106	0.104	0.097	0.088	0.095	0.101	8.80
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.016	0.014	0.014	0.012	0.011	0.014	11.49
16) 13 1221-3	0.009	0.010	0.009	0.009	0.008	0.007	0.009	11.04
17) 13 1221-4	0.034	0.035	0.032	0.033	0.029	0.027	0.031	10.09
18) 14 1254-1	0.064	0.056	0.053	0.052	0.047	0.045	0.053	12.85
19) 14 1254-2	0.071	0.066	0.062	0.060	0.054	0.051	0.061	12.28
20) 14 1254-3	0.103	0.088	0.081	0.082	0.074	0.072	0.083	13.26
21) 14 1254-4	0.074	0.065	0.060	0.060	0.054	0.052	0.061	12.82
22) 14 1254-5	0.116	0.099	0.091	0.092	0.082	0.079	0.093	14.34
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.021	0.019	0.017	0.016	0.015	0.018	12.72
25) 16 1242-2	0.048	0.044	0.042	0.039	0.035	0.033	0.040	13.60
26) 16 1242-3	0.098	0.087	0.083	0.076	0.072	0.069	0.081	13.09
27) 16 1242-4	0.031	0.029	0.028	0.026	0.024	0.023	0.027	11.68
28) 16 1242-5	0.032	0.031	0.029	0.026	0.024	0.023	0.028	13.65
29) 19 1268-1	0.223	0.199	0.188	0.180	0.173	0.166	0.188	10.92
30) 19 1268-2	0.221	0.216	0.191	0.181	0.175	0.167	0.192	11.50
31) 19 1268-3	0.155	0.135	0.129	0.123	0.119	0.114	0.129	11.34
32) 19 1268-4	0.076	0.071	0.067	0.063	0.059	0.057	0.065	10.84
33) 19 1268-5	0.427	0.373	0.365	0.355	0.344	0.324	0.365	9.61
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.034	0.032	0.029	0.029	0.033	12.92
36) 17 1248-2	0.047	0.044	0.041	0.038	0.036	0.034	0.040	12.71



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Ical Ref : ICAL16321
Calibration dates : 11/20/19 11:11 11/20/19 14:31	

Signal #2 Calibration Files

1 =19191120ical-28.D 2 =19191120ical-05.D 3 =19191120ical-30.D 4 =19191120ical-07.D
 5 =19191120ical-08.D 6 =19191120ical-33.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.056	0.052	0.049	0.045	0.044	0.051	10.97
38) 17 1248-4	0.061	0.063	0.058	0.054	0.051	0.050	0.056	9.27
39) 17 1248-5	0.069	0.070	0.064	0.060	0.057	0.056	0.063	9.64
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.027	0.025	0.023	0.021	0.021	0.024	13.92
42) 15 1232-2	0.030	0.026	0.026	0.023	0.022	0.021	0.024	13.66
43) 15 1232-3	0.052	0.051	0.048	0.044	0.042	0.041	0.046	10.00
44) 15 1232-4	0.015	0.015	0.015	0.014	0.014	0.013	0.014	7.89
45) 15 1232-5	0.016	0.015	0.015	0.014	0.014	0.013	0.014	8.16
46) 18 1262-1	0.060	0.060	0.058	0.053	0.053	0.050	0.055	7.71
47) 18 1262-2	0.090	0.087	0.082	0.075	0.074	0.071	0.080	9.98
48) 18 1262-3	0.082	0.080	0.080	0.072	0.072	0.068	0.076	7.32
49) 18 1262-4	0.160	0.150	0.149	0.138	0.138	0.132	0.144	6.99
50) 18 1262-5	0.058	0.059	0.054	0.050	0.048	0.047	0.053	10.11



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/26/20 10:39
Lab File ID : P2200226b-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344585-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	117	0
2,4,5,6-Tetrachloro-m-xylene	16	15.327	-	4.2	20	113	0
Decachlorobiphenyl	32	26.965	-	15.7	20	104	-.01
1016-1	250	256.568	-	-2.6	20	125	0
1016-2	250	251.96	-	-0.8	20	119	0
1016-3	250	257.364	-	-2.9	20	129	0
1016-4	250	274.525	-	-9.8	20	130	-.01
1016-5	250	271.092	-	-8.4	20	128	-.01
1260-1	250	254.021	-	-1.6	20	124	-.01
1260-2	250	259.181	-	-3.7	20	125	-.01
1260-3	250	231.637	-	7.3	20	113	-.01
1260-4	250	248.921	-	0.4	20	121	-.01
1260-5	250	227.285	-	9.1	20	118	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/26/20 10:39
Lab File ID : P2200226b-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344585-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	94	0
2,4,5,6-Tetrachloro-m-xylene	16	15.502	-	3.1	20	96	0
Decachlorobiphenyl #2	32	34.828	-	-8.8	20	113	-0.2
1016-1 #2	250	242.42	-	3	20	98	0
1016-2 #2	250	249.289	-	0.3	20	99	0
1016-3 #2	250	244.172	-	2.3	20	97	0
1016-4 #2	250	247.738	-	0.9	20	95	0
1016-5 #2	250	239.193	-	4.3	20	96	0
1260-1 #2	250	249.535	-	0.2	20	106	0
1260-2 #2	250	257.681	-	-3.1	20	108	0
1260-3 #2	250	255.665	-	-2.3	20	105	0
1260-4 #2	250	256.097	-	-2.4	20	104	0
1260-5 #2	250	232.068	-	7.2	20	100	-0.1

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/26/20 10:52
Lab File ID : P2200226b-03	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344585-2	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	119	0
2154_1br2nb	25	25	-	0	20	122	0
1221-2	250	260.363	-	-4.1	20	127	-.02
1221-3	250	274.423	-	-9.8	20	134	-.02
1221-4	250	257.423	-	-3	20	126	-.02
1254-1	250	272.421	-	-9	20	133	-.03
1254-2	250	266.863	-	-6.7	20	130	-.02
1254-3	250	260.044	-	-4	20	127	-.03
1254-4	250	287.905	-	-15.2	20	141	-.03
1254-5	250	246.323	-	1.5	20	120	-.03
4268_1br2nb	25	25	-	0	20	120	0
1248_1br2nb	25	25	-	0	20	124	0
3262_1br2nb	25	25	-	0	20	119	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/26/20 10:52
Lab File ID : P2200226b-03	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344585-2	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	98	0
2154_1br2nb	25	25	-	0	20	101	0
1221-2	250	259.525	-	-3.8	20	105	-.01
1221-3	250	248.952	-	0.4	20	100	-.01
1221-4	250	248.787	-	0.5	20	100	-.01
1254-1	250	263.033	-	-5.2	20	106	-.02
1254-2	250	265.676	-	-6.3	20	107	-.02
1254-3	250	271.452	-	-8.6	20	109	-.02
1254-4	250	289.153	-	-15.7	20	117	-.02
1254-5	250	263.402	-	-5.4	20	106	-.02
4268_1br2nb	25	25	-	0	20	99	0
1248_1br2nb	25	25	-	0	20	102	0
3262_1br2nb	25	25	-	0	20	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/26/20 11:06
Lab File ID : P2200226b-04	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344585-3	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	121	0
2154_1br2nb	25	25	-	0	20	124	0
4268_1br2nb	25	25	-	0	20	121	0
1248_1br2nb	25	25	-	0	20	125	0
1248-1	250	287.737	-	-15.1	20	144	.01
1248-2	250	266.517	-	-6.6	20	134	0
1248-3	250	252.678	-	-1.1	20	127	0
1248-4	250	283.188	-	-13.3	20	142	0
1248-5	250	283.358	-	-13.3	20	142	0
3262_1br2nb	25	25	-	0	20	121	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/26/20 11:06
Lab File ID : P2200226b-04	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344585-3	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	98	0
2154_1br2nb	25	25	-	0	20	100	0
4268_1br2nb	25	25	-	0	20	98	0
1248_1br2nb	25	25	-	0	20	101	0
1248-1	250	234.433	-	6.2	20	95	.01
1248-2	250	233.791	-	6.5	20	95	0
1248-3	250	236.862	-	5.3	20	96	0
1248-4	250	231.7	-	7.3	20	94	0
1248-5	250	240.554	-	3.8	20	97	0
3262_1br2nb	25	25	-	0	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/26/20 11:24
Lab File ID : P2200226b-05	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344585-4	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	128	0
2154_1br2nb	25	25	-	0	20	131	0
4268_1br2nb	25	25	-	0	20	129	0
1242-1	250	246.34	-	1.5	20	127	0
1242-2	250	260.116	-	-4	20	134	0
1242-3	250	256.117	-	-2.4	20	132	0
1242-4	250	252.301	-	-0.9	20	130	0
1242-5	250	282.213	-	-12.9	20	145	0
1268-1	250	230.4	-	7.8	20	119	0
1268-2	250	242.093	-	3.2	20	125	0
1268-3	250	238.262	-	4.7	20	123	0
1268-4	250	234.819	-	6.1	20	121	0
1268-5	250	233.136	-	6.7	20	120	0
1248_1br2nb	25	25	-	0	20	133	0
3262_1br2nb	25	25	-	0	20	128	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/26/20 11:24
Lab File ID : P2200226b-05	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344585-4	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	101	0
2154_1br2nb	25	25	-	0	20	103	0
4268_1br2nb	25	25	-	0	20	101	0
1242-1	250	233.14	-	6.7	20	94	0
1242-2	250	231.701	-	7.3	20	94	-.01
1242-3	250	228.823	-	8.5	20	92	-.01
1242-4	250	223.397	-	10.6	20	90	-.01
1242-5	250	218.544	-	12.6	20	88	-.01
1268-1	250	250.111	-	-0	20	101	-.02
1268-2	250	289.307	-	-15.7	20	117	-.02
1268-3	250	268.863	-	-7.5	20	109	-.02
1268-4	250	242.596	-	3	20	98	-.02
1268-5	250	269.235	-	-7.7	20	109	-.02
1248_1br2nb	25	25	-	0	20	104	0
3262_1br2nb	25	25	-	0	20	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/27/20 08:19
Lab File ID : P2200227a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344958-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	137	-.03
2,4,5,6-Tetrachloro-m-xylene	16	14.888	-	7	20	128	-.03
Decachlorobiphenyl	32	27.842	-	13	20	126	-.03
1016-1	250	244.429	-	2.2	20	139	-.03
1016-2	250	236.597	-	5.4	20	131	-.03
1016-3	250	237.701	-	4.9	20	139	-.03
1016-4	250	251.43	-	-0.6	20	139	-.03
1016-5	250	261.114	-	-4.4	20	144	-.04
1260-1	250	206.291	-	17.5	20	118	-.03
1260-2	250	213.61	-	14.6	20	120	-.03
1260-3	250	221.592	-	11.4	20	127	-.03
1260-4	250	234.329	-	6.3	20	133	-.03
1260-5	250	212.52	-	15	20	129	-.03

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 02/27/20 08:19
Lab File ID : P2200227a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1344958-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	102	-.03
2,4,5,6-Tetrachloro-m-xylene	16	15.297	-	4.4	20	103	-.03
Decachlorobiphenyl #2	32	31.855	-	0.5	20	112	-.03
1016-1 #2	250	237.098	-	5.2	20	104	-.04
1016-2 #2	250	245.437	-	1.8	20	106	-.04
1016-3 #2	250	233.872	-	6.5	20	102	-.04
1016-4 #2	250	241.634	-	3.3	20	101	-.04
1016-5 #2	250	236.947	-	5.2	20	103	-.03
1260-1 #2	250	238.891	-	4.4	20	110	-.03
1260-2 #2	250	246.077	-	1.6	20	112	-.03
1260-3 #2	250	249.366	-	0.3	20	112	-.03
1260-4 #2	250	244.38	-	2.2	20	108	-.03
1260-5 #2	250	228.585	-	8.6	20	107	-.03

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Calibration Date : 02/27/20 11:45
Lab File ID : P7200227a-03	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1345035-1	Init. Calib. Times : 02:30 13:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	102	0
2,4,5,6-Tetrachloro-m-xylene	160	145.175	-	9.3	20	94	0
Decachlorobiphenyl	320	247.35	-	22.7*	20	83	0
1016-1	2500	2029.965	-	18.8	20	89	0
1016-2	2500	2148.895	-	14	20	94	0
1016-3	2500	2002.668	-	19.9	20	84	0
1016-4	2500	1953.844	-	21.8*	20	85	0
1016-5	2500	2012.131	-	19.5	20	87	0
1260-1	2500	2257.924	-	9.7	20	97	0
1260-2	2500	2206.068	-	11.8	20	94	0
1260-3	2500	2167.458	-	13.3	20	91	0
1260-4	2500	1851.545	-	25.9*	20	77	0
1260-5	2500	1711.779	-	31.5*	20	73	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Calibration Date : 02/27/20 11:45
Lab File ID : P7200227a-03	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1345035-1	Init. Calib. Times : 02:30 13:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	98	0
2,4,5,6-Tetrachloro-m-xylene	160	142.358	-	11	20	88	0
Decachlorobiphenyl #2	320	257.137	-	19.6	20	82	0
1016-1 #2	2500	1974.113	-	21*	20	82	0
1016-2 #2	2500	2180.69	-	12.8	20	91	0
1016-3 #2	2500	1994.188	-	20.2*	20	81	0
1016-4 #2	2500	1999.719	-	20	20	83	0
1016-5 #2	2500	2037.952	-	18.5	20	85	0
1260-1 #2	2500	2356.316	-	5.7	20	98	0
1260-2 #2	2500	2401.534	-	3.9	20	99	0
1260-3 #2	2500	1973.405	-	21.1*	20	81	0
1260-4 #2	2500	1962.864	-	21.5*	20	79	0
1260-5 #2	2500	1722.867	-	31.1*	20	71	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/27/20 14:55
Lab File ID : 19200227b-25	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1345020-2	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	66	0
2,4,5,6-Tetrachloro-m-xylene	160	156.728	-	2	20	68	0
Decachlorobiphenyl	320	294.354	-	8	20	65	0
1016-1	2500	2354.417	-	5.8	20	65	0
1016-2	2500	2338.53	-	6.5	20	65	0
1016-3	2500	2386.316	-	4.5	20	67	0
1016-4	2500	2352.151	-	5.9	20	66	0
1016-5	2500	2449.332	-	2	20	67	0
1260-1	2500	2307.712	-	7.7	20	65	0
1260-2	2500	2338.917	-	6.4	20	66	0
1260-3	2500	2268.609	-	9.3	20	64	0
1260-4	2500	2389.297	-	4.4	20	66	0
1260-5	2500	2432.516	-	2.7	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/27/20 14:55
Lab File ID : 19200227b-25	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1345020-2	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	106	0
2,4,5,6-Tetrachloro-m-xylene	160	155.227	-	3	20	108	0
Decachlorobiphenyl #2	320	251.256	-	21.5*	20	88	0
1016-1 #2	2500	2443.927	-	2.2	20	108	0
1016-2 #2	2500	2465.745	-	1.4	20	111	0
1016-3 #2	2500	2468.165	-	1.3	20	109	0
1016-4 #2	2500	2478.369	-	0.9	20	110	0
1016-5 #2	2500	2437.651	-	2.5	20	106	0
1260-1 #2	2500	2238.101	-	10.5	20	98	0
1260-2 #2	2500	2348.943	-	6	20	104	0
1260-3 #2	2500	2206.298	-	11.7	20	97	0
1260-4 #2	2500	2249.455	-	10	20	100	0
1260-5 #2	2500	2283.269	-	8.7	20	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/28/20 09:10
Lab File ID : 19200228a-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1345420-1	Init. Calib. Times : 11:11 14:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	59	0
2,4,5,6-Tetrachloro-m-xylene	160	180.849	-	-13	20	71	0
Decachlorobiphenyl	320	293.46	-	8.3	20	59	.02
1016-1	2500	2637.606	-	-5.5	20	66	0
1016-2	2500	2640.206	-	-5.6	20	67	0
1016-3	2500	2651.6	-	-6.1	20	67	0
1016-4	2500	2552.889	-	-2.1	20	65	0
1016-5	2500	2600.317	-	-4	20	64	0
1260-1	2500	2516.96	-	-0.7	20	64	.01
1260-2	2500	2516.241	-	-0.6	20	64	.01
1260-3	2500	2481.085	-	0.8	20	64	.01
1260-4	2500	2546.588	-	-1.9	20	64	.02
1260-5	2500	2536.061	-	-1.4	20	61	.02

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST19	Calibration Date : 02/28/20 09:10
Lab File ID : 19200228a-02	Init. Calib. Date(s) : 11/20/19 11/20/19
Sample No : WG1345420-1	Init. Calib. Times : 11:11 14:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	96	0
2,4,5,6-Tetrachloro-m-xylene	160	174.291	-	-8.9	20	110	0
Decachlorobiphenyl #2	320	282.056	-	11.9	20	89	0
1016-1 #2	2500	2743.583	-	-9.7	20	111	0
1016-2 #2	2500	2722.117	-	-8.9	20	111	0
1016-3 #2	2500	2758.193	-	-10.3	20	110	0
1016-4 #2	2500	2687.312	-	-7.5	20	109	0
1016-5 #2	2500	2728.129	-	-9.1	20	108	0
1260-1 #2	2500	2423.742	-	3.1	20	97	0
1260-2 #2	2500	2525.959	-	-1	20	101	0
1260-3 #2	2500	2369.79	-	5.2	20	95	0
1260-4 #2	2500	2424.217	-	3	20	98	0
1260-5 #2	2500	2363.183	-	5.5	20	94	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008381
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST7 **Initial Calib. Date(s)** : 07/28/19 07/28/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1214573-1	07/28/19 02:30
1242/1268 L2	R1214573-2	07/28/19 02:43
1242/1268 L3	R1214573-6	07/28/19 02:56
1242/1268 L4	R1214573-3	07/28/19 03:09
1242/1268 L5	R1214573-4	07/28/19 03:22
1242/1268 L6	R1214573-5	07/28/19 03:35
1232/1262 L1	R1214573-7	07/28/19 03:48
1232/1262 L2	R1214573-8	07/28/19 04:01
1232/1262 L3	R1214573-12	07/28/19 04:14
1232/1262 L4	R1214573-13	07/28/19 09:12
1232/1262 L5	R1214573-14	07/28/19 09:24
1232/1262 L6	R1214573-15	07/28/19 09:37
1248 L1	R1214573-9	07/28/19 09:50
1248 L2	R1214573-10	07/28/19 10:03
1248 L3	R1214573-11	07/28/19 10:16
1248 L4	R1214573-16	07/28/19 10:29
1248 L5	R1214573-17	07/28/19 10:42
1248 L6	R1214573-18	07/28/19 10:55
1221/1254 L1	R1214573-20	07/28/19 11:08
1221/1254 L2	R1214573-19	07/28/19 11:21
1221/1254 L3	R1214573-21	07/28/19 11:34
1221/1254 L4	R1214573-22	07/28/19 11:47
1221/1254 L5	R1214573-24	07/28/19 12:00
1221/1254 L6	R1214573-23	07/28/19 12:13
1016/1260 L1	R1214573-25	07/28/19 12:26
1016/1260 L2	R1214573-26	07/28/19 12:39
1016/1260 L3	R1214573-27	07/28/19 12:52
1016/1260 L4	R1214573-28	07/28/19 13:05
1016/1260 L5	R1214573-29	07/28/19 13:18
1016/1260 L6	R1214573-30	07/28/19 13:31
R1214573-31 ICV	R1214573-31	07/28/19 13:44
R1214573-32 ICV	R1214573-32	07/28/19 13:57
R1214573-33 ICV	R1214573-33	07/28/19 14:10
R1214573-34 ICV	R1214573-34	07/28/19 14:23
R1214573-35 ICV	R1214573-35	07/28/19 14:36
WG1345035-1 CCAL	WG1345035-1	02/27/20 11:45
WG1344816-1 BLANK	WG1344816-1	02/27/20 13:29
WG1344816-2 LCS	WG1344816-2	02/27/20 13:41
WG1344816-3 LCSD	WG1344816-3	02/27/20 13:53
E-168-2.0-2.5	L2008381-02	02/27/20 14:42
E-170-0.5-1.0	L2008381-04	02/27/20 14:55
E-170-2.0-2.5	L2008381-05	02/27/20 15:07



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008381
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST7 **Initial Calib. Date(s)** : 07/28/19 07/28/19

Client ID	Lab ID	Date/Time Analyzed
E-159-0.5-1.0	L2008381-06	02/27/20 15:19
E-159-2.0-2.4	L2008381-07	02/27/20 15:32
E-166-0.5-1.0	L2008381-08	02/27/20 15:44
E-166-2.0-2.5	L2008381-09	02/27/20 15:56
E-165-2.0-2.5	L2008381-11	02/27/20 16:21
E-167-2.0-2.5	L2008381-14	02/27/20 16:45
E-200-0.5-1.0	L2008381-16	02/27/20 16:58
E-200-2.0-2.5	L2008381-17	02/27/20 17:10



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2008381
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1344585-1 CCAL	WG1344585-1	02/26/20 10:39
WG1344585-2 CCAL	WG1344585-2	02/26/20 10:52
WG1344585-3 CCAL	WG1344585-3	02/26/20 11:06
WG1344585-4 CCAL	WG1344585-4	02/26/20 11:24
WG1344382-1 BLANK	WG1344382-1	02/26/20 11:41
WG1344382-2 LCS	WG1344382-2	02/26/20 11:55
WG1344382-3 LCSD	WG1344382-3	02/26/20 12:08
WG1344958-1 CCAL	WG1344958-1	02/27/20 08:19
EB-13-02252020	L2008381-20	02/27/20 13:26



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008381
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST19 **Initial Calib. Date(s)** : 11/20/19 11/20/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1258780-12	11/20/19 11:11
1242/1268 L2	R1258780-13	11/20/19 11:18
1242/1268 L3	R1258780-14	11/20/19 11:25
1242/1268 L4	R1258780-15	11/20/19 11:32
1242/1268 L5	R1258780-16	11/20/19 11:39
1242/1268 L6	R1258780-17	11/20/19 11:46
1232/1262 L1	R1258780-18	11/20/19 11:53
1232/1262 L2	R1258780-21	11/20/19 12:00
1232/1262 L3	R1258780-19	11/20/19 12:07
1232/1262 L4	R1258780-20	11/20/19 12:13
1232/1262 L5	R1258780-22	11/20/19 12:20
1232/1262 L6	R1258780-23	11/20/19 12:27
1221/1254 L1	R1258780-24	11/20/19 12:34
1221/1254 L2	R1258780-25	11/20/19 12:41
1221/1254 L3	R1258780-28	11/20/19 12:48
1221/1254 L4	R1258780-27	11/20/19 12:55
1221/1254 L5	R1258780-26	11/20/19 13:02
1221/1254 L6	R1258780-30	11/20/19 13:08
1016/1260 L1	R1258780-29	11/20/19 13:15
1016/1260 L2	R1258780-31	11/20/19 13:22
1016/1260 L3	R1258780-33	11/20/19 13:29
1016/1260 L4	R1258780-32	11/20/19 13:36
1016/1260 L5	R1258780-34	11/20/19 13:43
1016/1260 L6	R1258780-35	11/20/19 13:50
1248 L1	R1258780-1	11/20/19 13:57
1248 L2	R1258780-2	11/20/19 14:04
1248 L3	R1258780-3	11/20/19 14:11
1248 L4	R1258780-4	11/20/19 14:17
1248 L5	R1258780-5	11/20/19 14:24
1248 L6	R1258780-8	11/20/19 14:31
R1258780-7 ICV	R1258780-7	11/20/19 14:38
R1258780-6 ICV	R1258780-6	11/20/19 14:45
R1258780-10 ICV	R1258780-10	11/20/19 14:52
R1258780-9 ICV	R1258780-9	11/20/19 14:59
R1258780-11 ICV	R1258780-11	11/22/19 16:02
WG1345020-2 CCAL	WG1345020-2	02/27/20 14:55
E-165-0.5-1.0	L2008381-10 D	02/27/20 19:37
X-11-02252020	L2008381-19 D	02/27/20 19:50
E-168-0.5-1.0	L2008381-01 D	02/27/20 19:57
E-168-0.5-1.0 DUP	WG1344816-5 D	02/27/20 20:04
WG1345420-1 CCAL	WG1345420-1	02/28/20 09:10
E-167-0.5-1.0	L2008381-13 D	02/28/20 10:59



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2008381
 Project Number: 277710568.0008.06
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-13-02252020 (L2008381-20)	56	56	57	61			0
WG1344382-1BLANK	60	62	72	74			0
WG1344382-2LCS	58	58	67	69			0
WG1344382-3LCSD	63	62	69	72			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2008381
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-168-0.5-1.0 (L2008381-01D)	0*	0*	0*	0*			4
E-168-2.0-2.5 (L2008381-02)	77	80	74	81			0
E-170-0.5-1.0 (L2008381-04)	68	70	67	75			0
E-170-2.0-2.5 (L2008381-05)	62	65	67	74			0
E-159-0.5-1.0 (L2008381-06)	62	64	62	69			0
E-159-2.0-2.4 (L2008381-07)	66	66	66	72			0
E-166-0.5-1.0 (L2008381-08)	64	63	63	66			0
E-166-2.0-2.5 (L2008381-09)	69	68	69	74			0
E-165-0.5-1.0 (L2008381-10D)	66	64	61	53			0
E-165-2.0-2.5 (L2008381-11)	50	48	53	53			0
E-167-0.5-1.0 (L2008381-13D)	0*	0*	0*	0*			4
E-167-2.0-2.5 (L2008381-14)	68	70	66	72			0
E-200-0.5-1.0 (L2008381-16)	60	60	63	73			0
E-200-2.0-2.5 (L2008381-17)	49	52	47	53			0
X-11-02252020 (L2008381-19D)	53	52	57	49			0
WG1344816-1BLANK	70	75	71	74			0
WG1344816-2LCS	77	75	76	69			0
WG1344816-3LCSD	81	81	79	73			0
E-168-0.5-1.0DUP	0*	0*	0*	0*			4

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
 (30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Lab Duplicate Sample Summary

Form 3

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008381
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-168-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2008381-01	Analysis Date	: 02/27/20 19:57
Lab File ID	: 19200227b-39	DUP File ID	: 19200227b-40
Dup Sample ID	: WG1344816-5	DUP Analysis Date	: 02/27/20 20:04

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1016	ND	ND	NC	30
Aroclor 1221	ND	ND	NC	30
Aroclor 1232	ND	ND	NC	30
Aroclor 1242	ND	ND	NC	30
Aroclor 1248	ND	ND	NC	30
Aroclor 1254	ND	ND	NC	30
Aroclor 1260	12.2	9.41	26	30
Aroclor 1262	ND	ND	NC	30
Aroclor 1268	ND	ND	NC	30
PCBs, Total	12.2	9.41	26	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008381
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : WATER
 LCS Sample ID : WG1344382-2 Analysis Date : 02/26/20 11:55 File ID : P2200226b-07
 LCSD Sample ID : WG1344382-3 Analysis Date : 02/26/20 12:08 File ID : P2200226b-08

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	1.17	66	1.78	1.31	73	11	40-140	20
Aroclor 1260	1.78	1.07	60	1.78	1.22	68	13	40-140	20



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008381
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1344816-2 Analysis Date : 02/27/20 13:41 File ID : P7200227a-05
 LCSD Sample ID : WG1344816-3 Analysis Date : 02/27/20 13:53 File ID : P7200227a-06

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.2	0.158	79	0.206	0.172	84	6	40-140	30
Aroclor 1260	0.2	0.155	78	0.206	0.174	85	9	40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-01D	
Client ID : E-168-0.5-1.0	
Date Analyzed (1) : 02/27/20 19:57	Date Analyzed (2) : 02/27/20 19:57
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	10.1			
	2	2.72	2.66	2.76	12.2			
	COLUMN 1	3	3.06	3.01	3.11	11.5		
		4	3.23	3.18	3.28	13.1		
		5	3.39	3.33	3.43	13.8	12.2	
COLUMN 2	1	2.95	2.90	3.00	9.69			
	2	3.07	3.02	3.12	12.1			
	3	3.48	3.43	3.53	10.3			
	4	3.63	3.58	3.68	12.4			
	5	3.84	3.79	3.89	12.5	11.4	7	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-04	
Client ID : E-170-0.5-1.0	
Date Analyzed (1) : 02/27/20 14:55	Date Analyzed (2) : 02/27/20 14:55
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean	%RPD
			From	To		Concentration	
AROCOR 1260	1	4.39	4.34	4.44	0.0254		
	2	0.00	4.56	4.66	0.		
COLUMN 1	3	5.07	5.03	5.13	0.0242		
	4	5.29	5.25	5.35	0.0251		
	5	5.49	5.44	5.54	0.0303	0.0262J	
COLUMN 2	1	4.79	4.74	4.84	0.029		
	2	0.00	4.90	5.00	0.		
	3	5.47	5.42	5.52	0.0222		
	4	5.65	5.60	5.70	0.0299		
	5	5.89	5.84	5.94	0.0284	0.0274J	NC



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008381
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2008381-05		
Client ID	: E-170-2.0-2.5		
Date Analyzed (1)	: 02/27/20 15:07	Date Analyzed (2)	: 02/27/20 15:07
Instrument ID (1)	: PEST7	Instrument ID (2)	: PEST7
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	4.39	4.34	4.44	0.041			
	2	4.60	4.56	4.66	0.058			
COLUMN 1	3	5.07	5.03	5.13	0.0446			
	4	5.29	5.25	5.35	0.0458			
	5	5.49	5.44	5.54	0.0592	0.0497		
COLUMN 2	1	4.79	4.74	4.84	0.045			
	2	4.95	4.90	5.00	0.0629			
	3	5.47	5.42	5.52	0.0421			
	4	5.65	5.60	5.70	0.0559			
	5	5.89	5.84	5.94	0.058	0.0528		6



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-06	
Client ID : E-159-0.5-1.0	
Date Analyzed (1) : 02/27/20 15:19	Date Analyzed (2) : 02/27/20 15:19
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD	
			From	To				
AROCOR 1254	1	3.73	-0.05	0.05	0.0147			
	2	3.93	-0.05	0.05	0.0121			
	COLUMN 1	3	4.25	-0.05	0.05	0.0261		
		4	4.46	-0.05	0.05	0.0163		
		5	0.00	-0.05	0.05	0.	0.0173J	
COLUMN 2	1	4.14	-0.05	0.05	0.017			
	2	4.29	-0.05	0.05	0.0261			
	3	4.64	-0.05	0.05	0.0265			
	4	4.81	-0.05	0.05	0.01			
	5	0.00	-0.05	0.05	0.	0.0199J	NC	
AROCOR 1260	1	0.00	4.34	4.44	0.			
	2	0.00	4.56	4.66	0.			
COLUMN 1	3	5.07	5.03	5.13	0.0208			
	4	5.29	5.25	5.35	0.0204			
	5	5.49	5.44	5.54	0.0243	0.0219J		
COLUMN 2	1	0.00	4.74	4.84	0.			
	2	0.00	4.90	5.00	0.			
	3	5.47	5.42	5.52	0.0197			
	4	5.65	5.60	5.70	0.0244			
	5	5.89	5.84	5.94	0.0234	0.0225J	NC	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-07	
Client ID : E-159-2.0-2.4	
Date Analyzed (1) : 02/27/20 15:32	Date Analyzed (2) : 02/27/20 15:32
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean	%RPD	
			From	To		Concentration		
AROCOR 1254	1	3.73	-0.05	0.05	0.0299			
	2	3.93	-0.05	0.05	0.024			
	COLUMN 1	3	4.25	-0.05	0.05	0.0358		
		4	4.46	-0.05	0.05	0.017		
		5	0.00	-0.05	0.05	0.	0.0267J	
COLUMN 2	1	4.14	-0.05	0.05	0.0363			
	2	4.29	-0.05	0.05	0.0469			
	3	4.64	-0.05	0.05	0.0363			
	4	4.82	-0.05	0.05	0.0153			
	5	0.00	-0.05	0.05	0.	0.0337J	NC	
AROCOR 1260	1	0.00	4.34	4.44	0.			
	2	0.00	4.56	4.66	0.			
COLUMN 1	3	5.07	5.03	5.13	0.0198			
	4	5.29	5.25	5.35	0.0172			
	5	5.49	5.44	5.54	0.0203	0.0191J		
COLUMN 2	1	0.00	4.74	4.84	0.			
	2	0.00	4.90	5.00	0.			
	3	5.47	5.42	5.52	0.0169			
	4	5.65	5.60	5.70	0.0206			
	5	5.89	5.84	5.94	0.0193	0.019J	NC	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-08	
Client ID : E-166-0.5-1.0	
Date Analyzed (1) : 02/27/20 15:44	Date Analyzed (2) : 02/27/20 15:44
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.39	4.34	4.44	0.0577		
	2	4.60	4.56	4.66	0.0695		
COLUMN 1	3	5.07	5.03	5.13	0.053		
	4	5.29	5.25	5.35	0.0517		
	5	5.49	5.44	5.54	0.058	0.058	
COLUMN 2	1	4.79	4.74	4.84	0.0604		
	2	4.95	4.90	5.00	0.0658		
	3	5.47	5.42	5.52	0.0459		
	4	5.65	5.60	5.70	0.0569		
	5	5.89	5.84	5.94	0.0556	0.0569	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-09	
Client ID : E-166-2.0-2.5	
Date Analyzed (1) : 02/27/20 15:56	Date Analyzed (2) : 02/27/20 15:56
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		
			From	To		Concentration	%RPD	
AROCOR 1254	1	3.73	-0.05	0.05	0.0756			
	2	3.93	-0.05	0.05	0.0578			
	COLUMN 1	3	4.25	-0.05	0.05	0.0951		
		4	4.46	-0.05	0.05	0.0407		
		5	0.00	-0.05	0.05	0.	0.0673	
COLUMN 2	1	4.14	-0.05	0.05	0.0806			
	2	4.29	-0.05	0.05	0.0811			
	3	4.64	-0.05	0.05	0.0945			
	4	4.82	-0.05	0.05	0.0329			
	5	0.00	-0.05	0.05	0.	0.0723	7	
AROCOR 1260	1	0.00	4.34	4.44	0.			
	2	0.00	4.56	4.66	0.			
	COLUMN 1	3	5.07	5.03	5.13	0.0398		
		4	5.29	5.25	5.35	0.0343		
		5	5.49	5.44	5.54	0.0415	0.0385	
COLUMN 2	1	0.00	4.74	4.84	0.			
	2	0.00	4.90	5.00	0.			
	3	5.47	5.42	5.52	0.035			
	4	5.65	5.60	5.70	0.0421			
	5	5.89	5.84	5.94	0.0399	0.039	1	
AROCOR 1242	1	2.53	-0.05	0.05	0.00935			
	2	2.75	-0.05	0.05	0.0127			
	COLUMN 1	3	3.06	-0.05	0.05	0.0112		
		4	3.44	-0.05	0.05	0.0182		
		5	0.00	-0.05	0.05	0.	0.0128J	
COLUMN 2	1	2.76	-0.05	0.05	0.0107			
	2	3.02	-0.05	0.05	0.00618			
	3	3.35	-0.05	0.05	0.0085			
	4	3.80	-0.05	0.05	0.0214			
	5	0.00	-0.05	0.05	0.	0.0117J	NC	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-10D	
Client ID : E-165-0.5-1.0	
Date Analyzed (1) : 02/27/20 19:37	Date Analyzed (2) : 02/27/20 19:37
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD	
			From	To				
AROCOR 1254	1	2.15	-0.05	0.05	0.709			
	2	2.28	-0.05	0.05	0.656			
	COLUMN 1	3	2.48	-0.05	0.05	0.877		
		4	2.62	-0.05	0.05	0.658		
		5	0.00	-0.05	0.05	0.	0.725	
COLUMN 2	1	2.50	-0.05	0.05	0.689			
	2	0.00	-0.05	0.05	0.			
	3	2.85	-0.05	0.05	0.874			
	4	2.97	-0.05	0.05	0.629			
	5	0.00	-0.05	0.05	0.	0.73	1	
AROCOR 1260	1	0.00	2.52	2.62	0.			
	2	0.00	2.66	2.76	0.			
	COLUMN 1	3	3.06	3.01	3.11	0.665		
		4	3.23	3.18	3.28	0.717		
		5	3.39	3.33	3.43	0.791	0.724	
COLUMN 2	1	0.00	2.90	3.00	0.			
	2	0.00	3.02	3.12	0.			
	3	3.49	3.43	3.53	0.594			
	4	3.63	3.58	3.68	0.7			
	5	3.84	3.79	3.89	0.727	0.673	7	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-11	
Client ID : E-165-2.0-2.5	
Date Analyzed (1) : 02/27/20 16:21	Date Analyzed (2) : 02/27/20 16:21
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	4.39	4.34	4.44	0.425			
	2	4.60	4.56	4.66	0.514			
	COLUMN 1	3	5.07	5.03	5.13	0.498		
		4	5.29	5.25	5.35	0.52		
		5	5.49	5.44	5.54	0.575	0.506	
COLUMN 2	1	4.79	4.74	4.84	0.453			
	2	4.95	4.90	5.00	0.588			
	3	5.47	5.42	5.52	0.506			
	4	5.65	5.60	5.70	0.621			
	5	5.89	5.84	5.94	0.602	0.554	9	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-13D	
Client ID : E-167-0.5-1.0	
Date Analyzed (1) : 02/28/20 10:59	Date Analyzed (2) : 02/28/20 10:59
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.53	2.63	3.96			
	2	2.72	2.67	2.77	4.68			
	COLUMN 1	3	3.06	3.02	3.12	4.46		
		4	3.23	3.19	3.29	4.97		
		5	3.39	3.35	3.45	5.09	4.63	
COLUMN 2	1	2.96	2.91	3.01	4.18			
	2	3.07	3.02	3.12	4.27			
	3	3.49	3.44	3.54	4.2			
	4	3.63	3.58	3.68	4.4			
	5	3.84	3.80	3.90	4.29	4.27	8	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-14	
Client ID : E-167-2.0-2.5	
Date Analyzed (1) : 02/27/20 16:45	Date Analyzed (2) : 02/27/20 16:45
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		%RPD
			From	To		Concentration	Concentration	
AROCOR 1260	1	4.39	4.34	4.44	0.0623			
	2	4.60	4.56	4.66	0.0722			
COLUMN 1	3	5.07	5.03	5.13	0.0613			
	4	5.29	5.25	5.35	0.0679			
	5	5.49	5.44	5.54	0.0708	0.0669		
COLUMN 2	1	4.79	4.74	4.84	0.0639			
	2	4.94	4.90	5.00	0.0794			
	3	5.47	5.42	5.52	0.061			
	4	5.64	5.60	5.70	0.0773			
	5	5.89	5.84	5.94	0.0735	0.071	6	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-16	
Client ID : E-200-0.5-1.0	
Date Analyzed (1) : 02/27/20 16:58	Date Analyzed (2) : 02/27/20 16:58
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD	
			From	To				
AROCOR 1254	1	3.73	-0.05	0.05	0.502			
	2	3.93	-0.05	0.05	0.438			
	COLUMN 1	3	4.25	-0.05	0.05	0.64		
		4	4.46	-0.05	0.05	0.348		
		5	0.00	-0.05	0.05	0.	0.482	
COLUMN 2	1	0.00	-0.05	0.05	0.			
	2	4.29	-0.05	0.05	0.525			
	3	4.64	-0.05	0.05	0.666			
	4	4.82	-0.05	0.05	0.353			
	5	0.00	-0.05	0.05	0.	0.515	7	
AROCOR 1260	1	0.00	4.34	4.44	0.			
	2	0.00	4.56	4.66	0.			
COLUMN 1	3	5.07	5.03	5.13	0.126			
	4	5.29	5.25	5.35	0.114			
	5	5.49	5.44	5.54	0.149	0.13		
COLUMN 2	1	0.00	4.74	4.84	0.			
	2	0.00	4.90	5.00	0.			
	3	5.47	5.42	5.52	0.122			
	4	5.64	5.60	5.70	0.139			
	5	5.89	5.84	5.94	0.145	0.136	4	



Identification Summary
Form 10
PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-17	
Client ID : E-200-2.0-2.5	
Date Analyzed (1) : 02/27/20 17:10	Date Analyzed (2) : 02/27/20 17:10
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD	
			From	To				
AROCOR 1254	1	3.73	-0.05	0.05	0.153			
	2	3.93	-0.05	0.05	0.116			
	COLUMN 1	3	4.25	-0.05	0.05	0.173		
		4	4.46	-0.05	0.05	0.0752		
		5	0.00	-0.05	0.05	0.	0.129	
COLUMN 2	1	0.00	-0.05	0.05	0.			
	2	4.29	-0.05	0.05	0.142			
	3	4.64	-0.05	0.05	0.177			
	4	4.82	-0.05	0.05	0.0794			
	5	0.00	-0.05	0.05	0.	0.133	3	
AROCOR 1260	1	0.00	4.34	4.44	0.			
	2	0.00	4.56	4.66	0.			
	COLUMN 1	3	5.07	5.03	5.13	0.0304		
		4	5.29	5.25	5.35	0.0302		
		5	5.49	5.44	5.54	0.0395	0.0333J	
COLUMN 2	1	0.00	4.74	4.84	0.			
	2	0.00	4.90	5.00	0.			
	3	5.47	5.42	5.52	0.0318			
	4	5.64	5.60	5.70	0.0357			
	5	5.89	5.84	5.94	0.0396	0.0357J	NC	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008381-19D	
Client ID : X-11-02252020	
Date Analyzed (1) : 02/27/20 19:50	Date Analyzed (2) : 02/27/20 19:50
Instrument ID (1) : PEST19	Instrument ID (2) : PEST19
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.57	2.52	2.62	2.49			
	2	2.72	2.66	2.76	3.06			
	COLUMN 1	3	3.06	3.01	3.11	2.89		
		4	3.23	3.18	3.28	3.36		
		5	3.39	3.33	3.43	3.48	3.06	
COLUMN 2	1	2.95	2.90	3.00	2.39			
	2	3.07	3.02	3.12	2.98			
	3	3.48	3.43	3.53	2.53			
	4	3.63	3.58	3.68	3.17			
	5	3.84	3.79	3.89	3.2	2.85	7	



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:37 pm
 Operator : pest19:cw
 Sample : l2008381-10d,42e,5,
 Misc : wgl345020,wgl344816,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 10:29:29 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-25.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.994	1.035	32479957	48595595	250.000M4	250.000M4
Standard Area 1 : #1 = 27275164			Recovery = 119.08%			
Standard Area 1 : #2 = 40376287			Recovery = 120.36%			
14) i 2154_1br2nb	0.994	1.035	32479957	48595595	250.000M4	250.000M4
23) i 4268_1br2nb	0.994	1.035	32479957	48595595	250.000M4	250.000M4
34) i 1248_1br2nb	0.994	1.035	32479957	48595595	250.000M4	250.000M4
40) i 3262_1br2nb	0.994	1.035	32479957	48595595	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.250	1.379	11167514	15771979	65.886M1	63.545
Spiked Amount 500.000 Range 30 - 150			Recovery = 13.18%# 12.71%#			
3) s Decachlorobi	4.011	4.514	8300555	11151619	61.051	53.266M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 12.21%# 10.65%#			
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	3.063	3.487	14768081	21047376	1763.165	1574.159

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:37 pm
 Operator : pest19:cw
 Sample : l2008381-10d,42e,5,
 Misc : wgl1345020,wgl1344816,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 10:29:29 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-25.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	12 1260-4	3.233	3.629	33484079	52176955	1901.192	1854.422
13)	12 1260-5	3.390	3.840	26690769	37668926	2097.291M1	1927.221
	Sum 1260-1			74942928	110.9E6	5761.648	5355.803
	Average 1260-1					1920.549	1785.268
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	2.151	2.500	12009142	18685382	1878.721M3	1827.194
19)	14 1254-2	2.278	0.000	19373973	0	1740.221M3	N.D. d
20)	14 1254-3	2.479	2.849	25316284	37511254	2324.610M3	2315.730M3
21)	14 1254-4	2.623	2.973	14903924	19752601	1744.897M3	1666.628M3
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			71603323	75949237	7688.448	5809.553
	Average 1254-1					1922.112	1936.518
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:37 pm
 Operator : pest19:cw
 Sample : l2008381-10d,42e,5,
 Misc : wgl345020,wgl344816,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 10:29:29 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-25.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-36.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:37 pm
 Operator : pest19:cw
 Sample : l2008381-10d,42e,5,
 Misc : wgl1345020,wgl1344816,ical16321
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 10:29:29 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-25.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

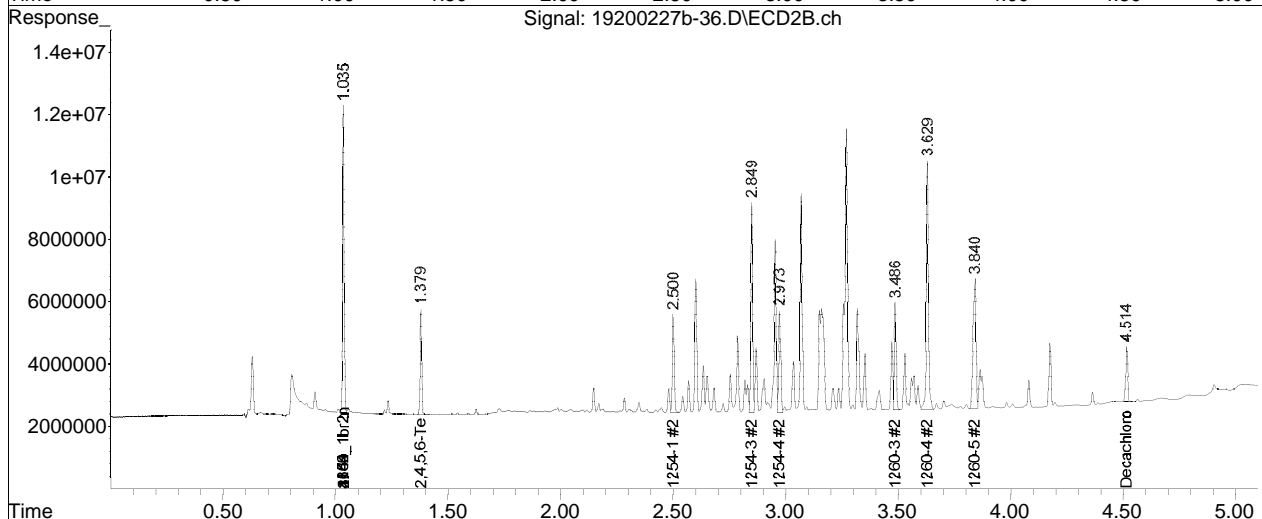
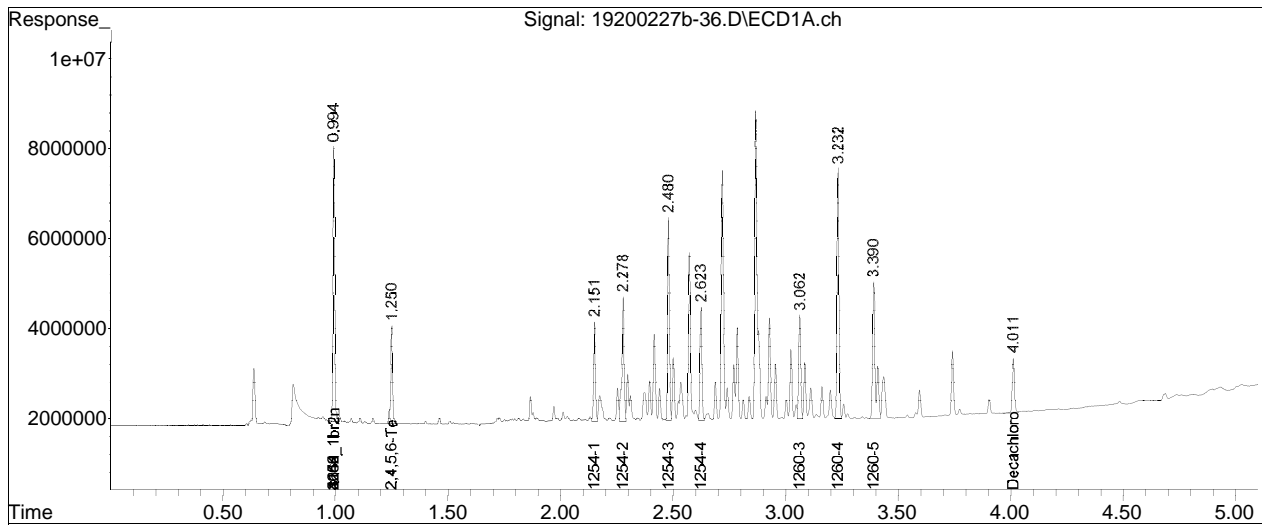
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-25.D••d)

Data Path : I:\Pest19\200227b\
Data File : 19200227b-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2020 07:37 pm
Operator : pest19:cw
Sample : l2008381-10d,42e,5,
Misc : wg1345020,wg1344816,ical16321
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 10:29:29 2020
Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

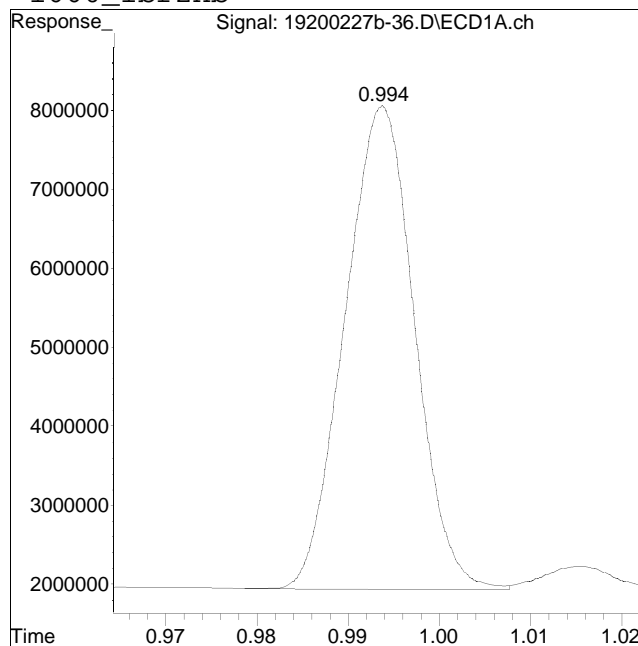
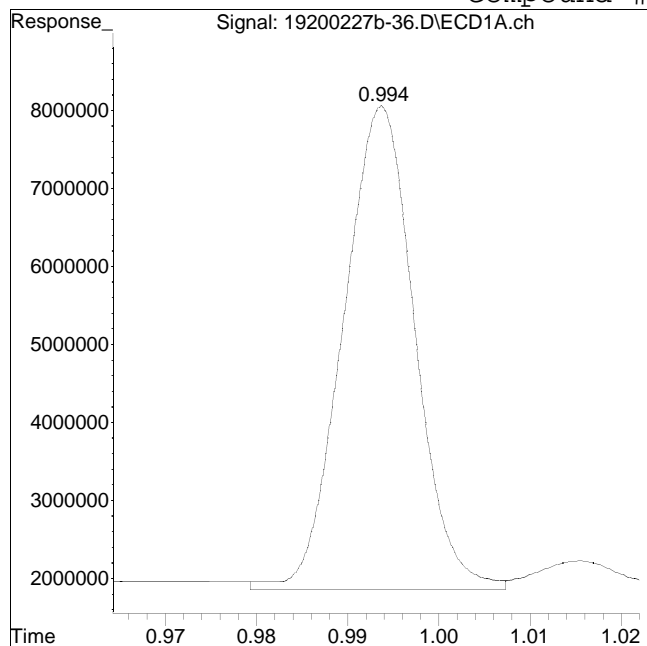


Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-36.D
Date Inj'd : 2/27/2020 7:37 pm
Sample : 12008381-10d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #1: 1660_1br2nb



Original Peak Response = 33858437

Manual Peak Response = 32479957 M4

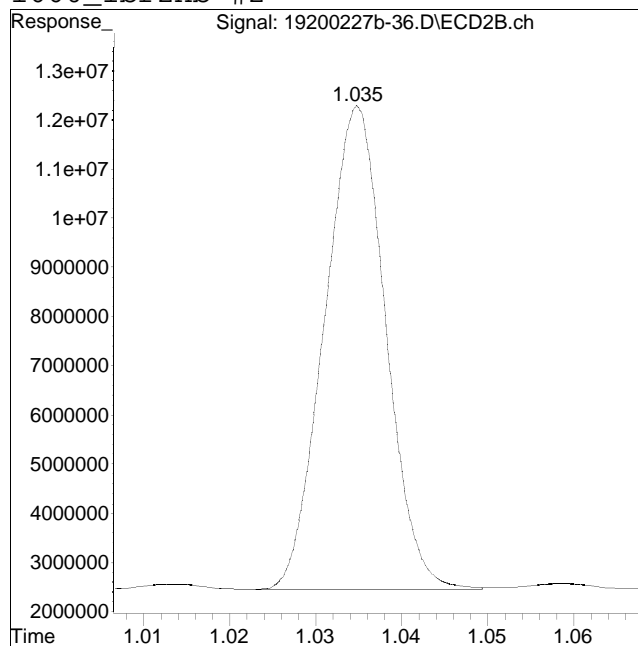
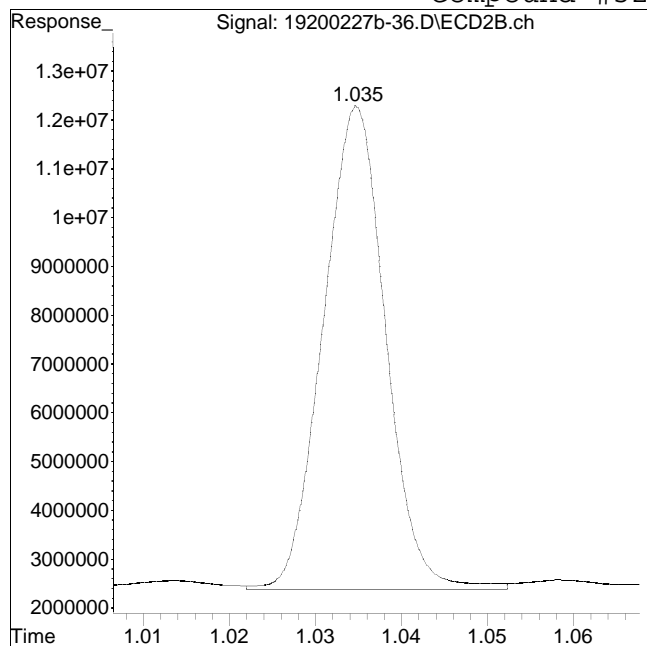
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-36.D
Date Inj'd : 2/27/2020 7:37 pm
Sample : 12008381-10d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 50008968

Manual Peak Response = 48595595 M4

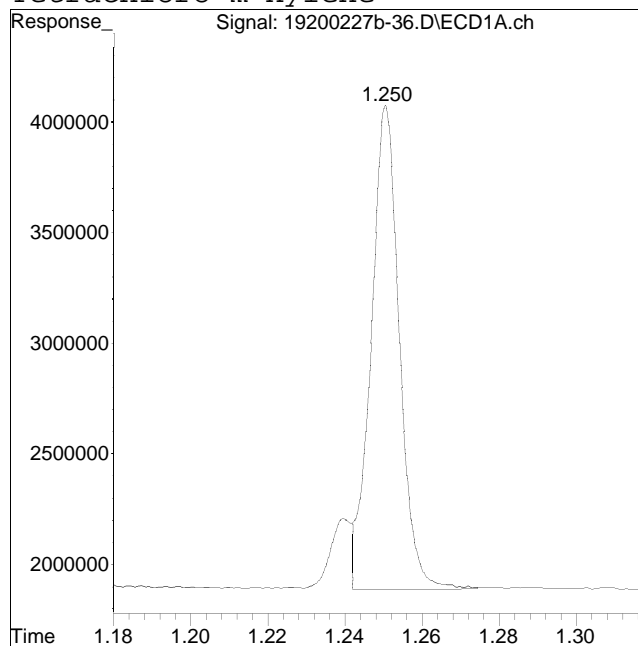
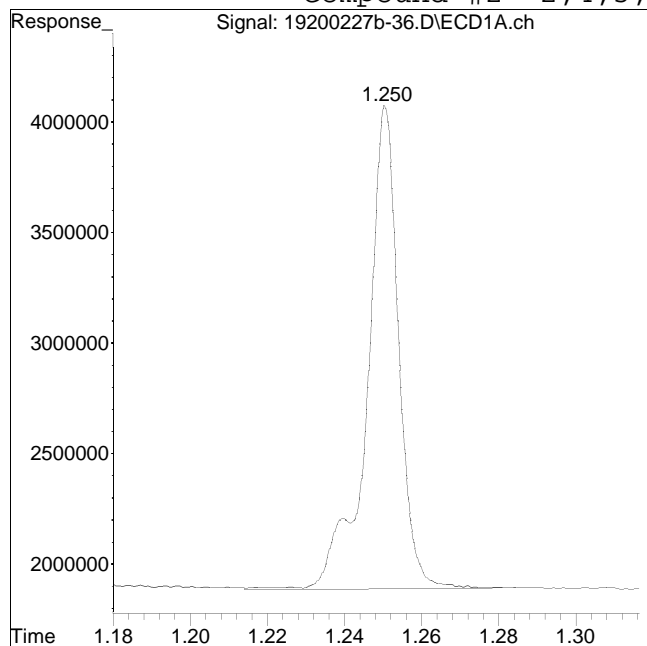
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-36.D
Date Inj'd : 2/27/2020 7:37 pm
Sample : 12008381-10d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 12429958

Manual Peak Response = 11167514 M1

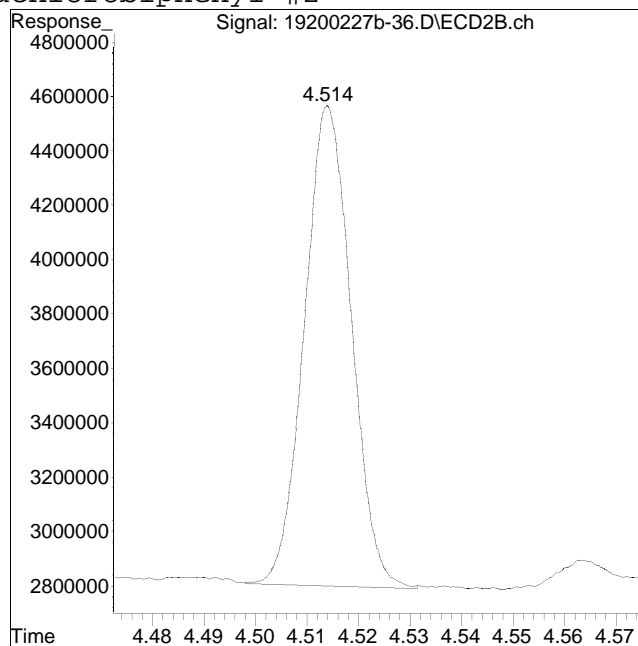
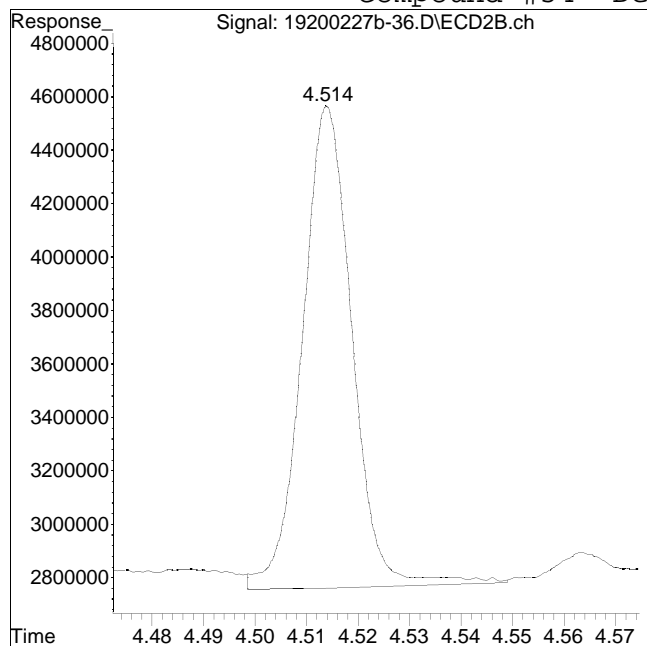
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-36.D
Date Inj'd : 2/27/2020 7:37 pm
Sample : 12008381-10d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 12083780

Manual Peak Response = 11151619 M4

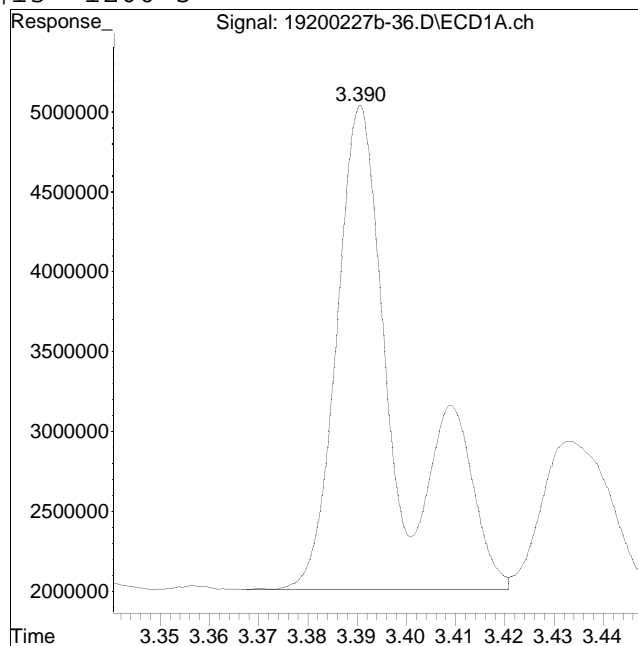
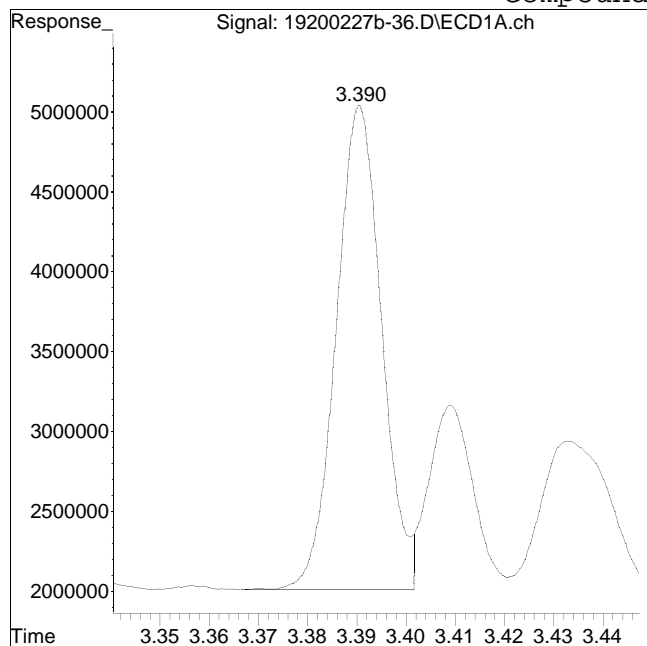
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-36.D
Date Inj'd : 2/27/2020 7:37 pm
Sample : 12008381-10d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #13: 1260-5



Original Peak Response = 19319081

Manual Peak Response = 26690769 M1

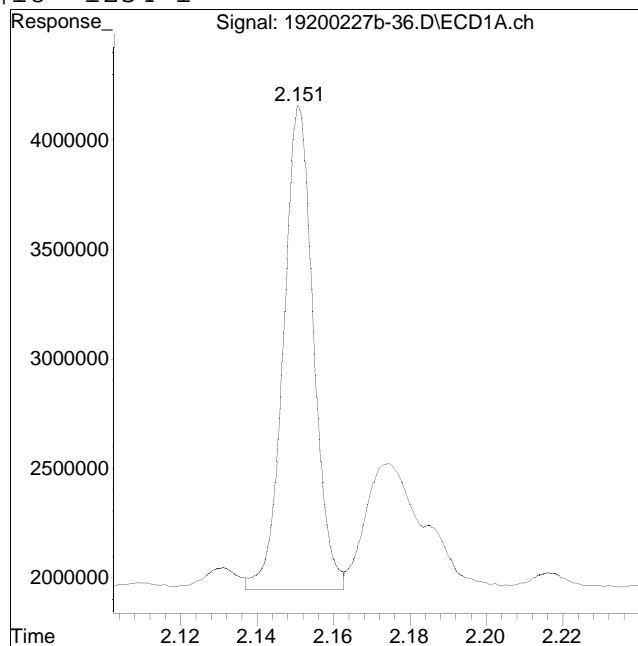
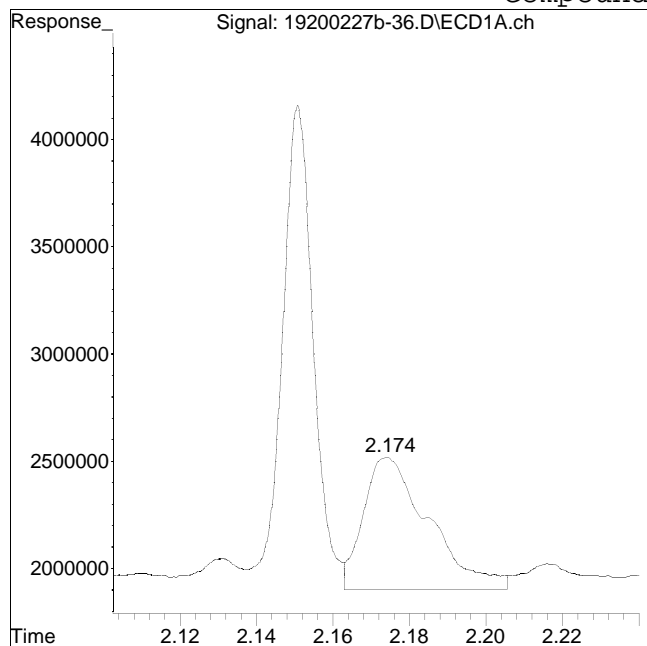
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-36.D
Date Inj'd : 2/27/2020 7:37 pm
Sample : 12008381-10d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #18: 1254-1



Original Peak Response = 7350103

Manual Peak Response = 12009142 M3

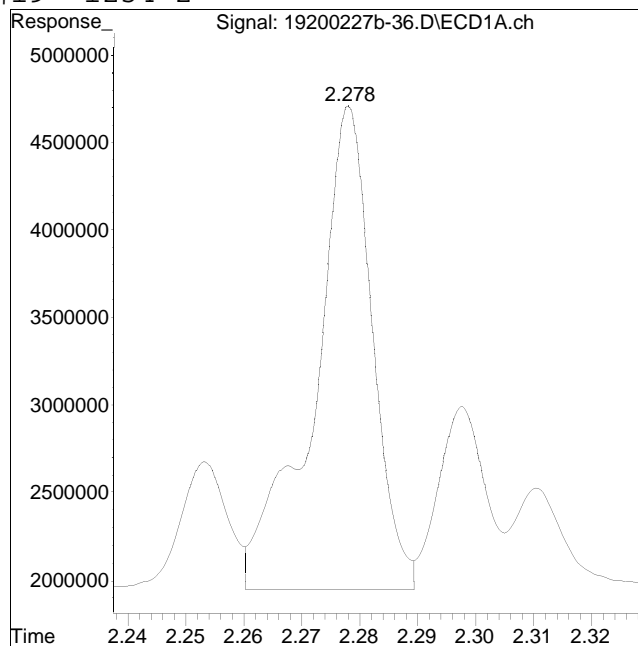
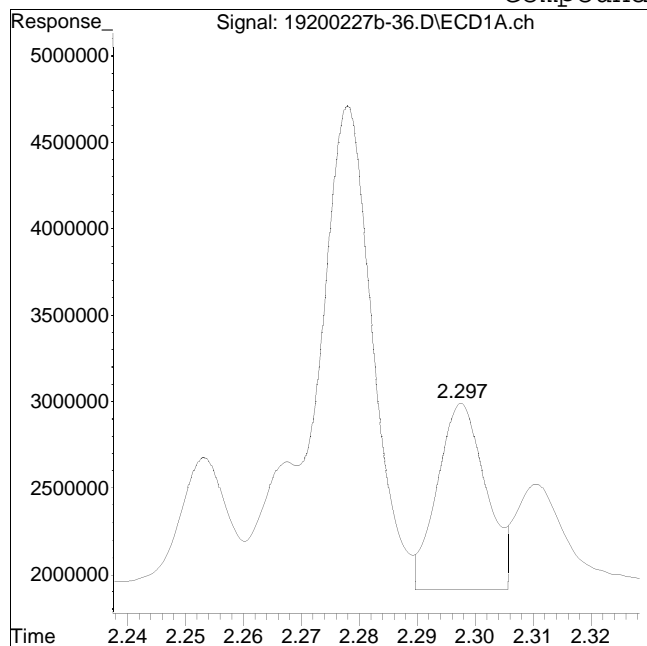
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-36.D
Date Inj'd : 2/27/2020 7:37 pm
Sample : 12008381-10d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #19: 1254-2



Original Peak Response = 6251035

Manual Peak Response = 19373973 M3

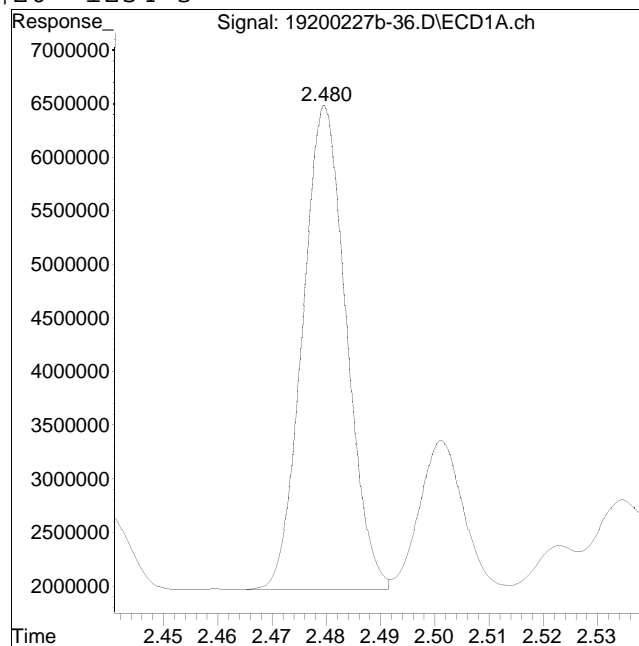
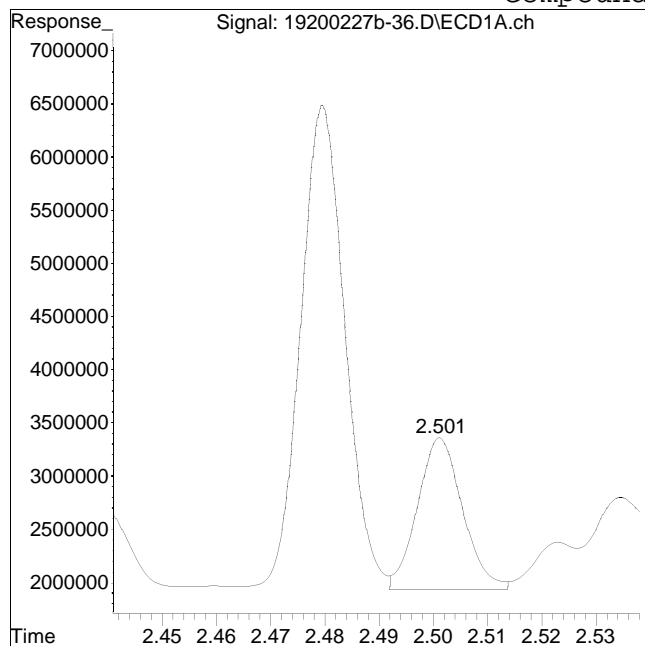
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-36.D
Date Inj'd : 2/27/2020 7:37 pm
Sample : 12008381-10d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #20: 1254-3



Original Peak Response = 8302953

Manual Peak Response = 25316284 M3

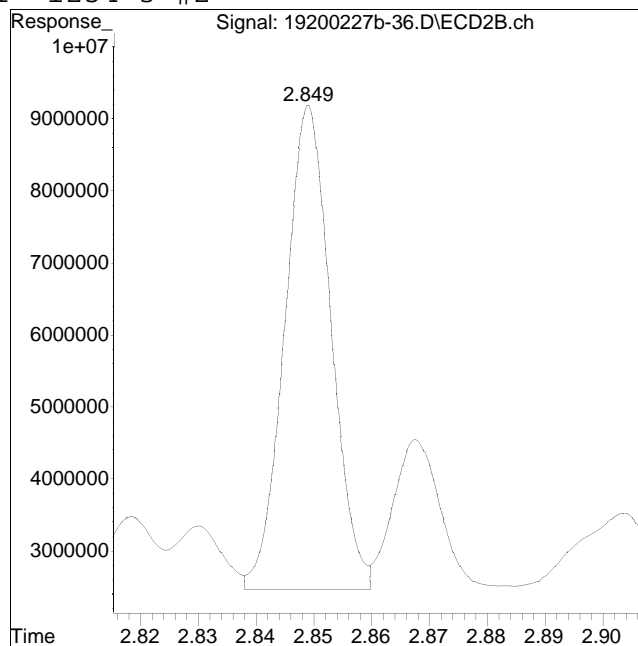
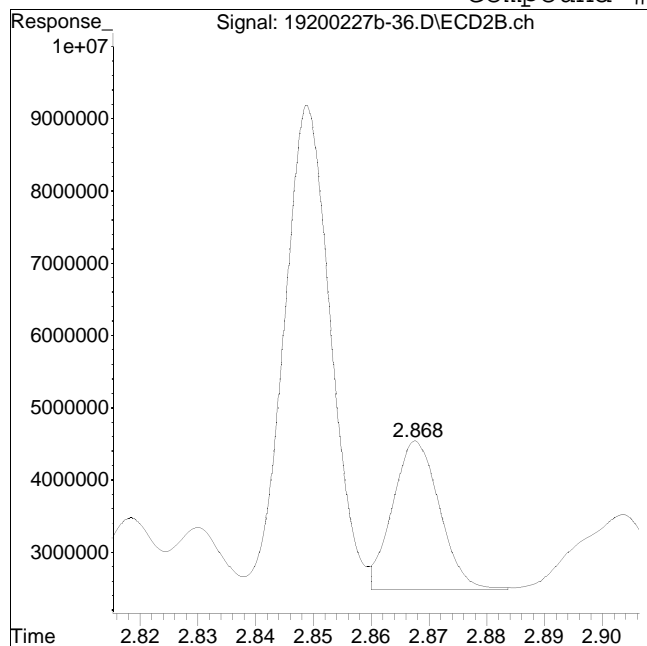
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-36.D
Date Inj'd : 2/27/2020 7:37 pm
Sample : 12008381-10d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #71: 1254-3 #2



Original Peak Response = 11708669

Manual Peak Response = 37511254 M3

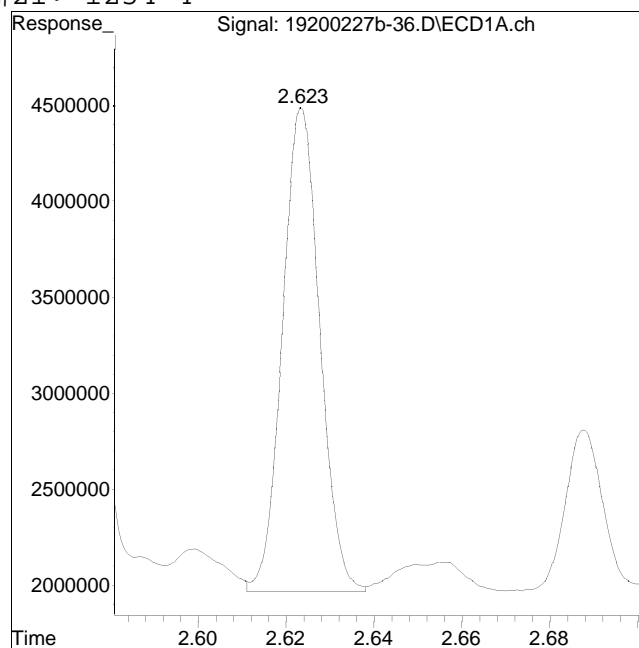
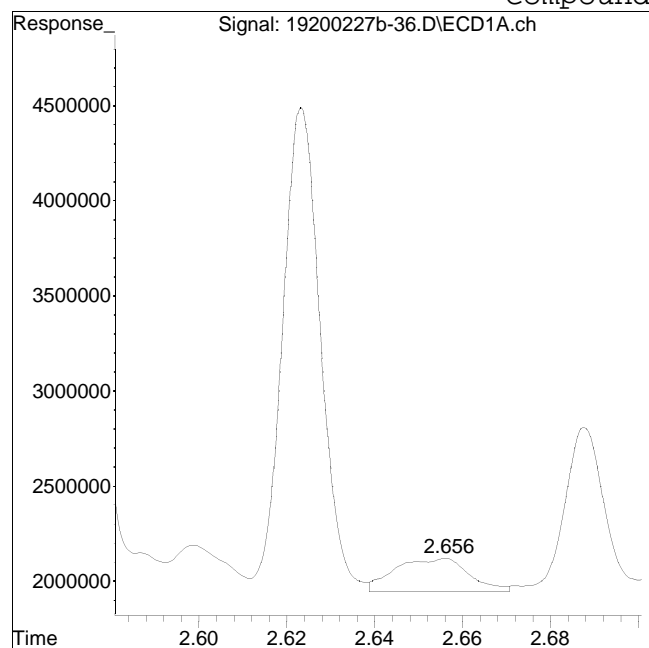
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-36.D
Date Inj'd : 2/27/2020 7:37 pm
Sample : 12008381-10d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #21: 1254-4



Original Peak Response = 2063412

Manual Peak Response = 14903924 M3

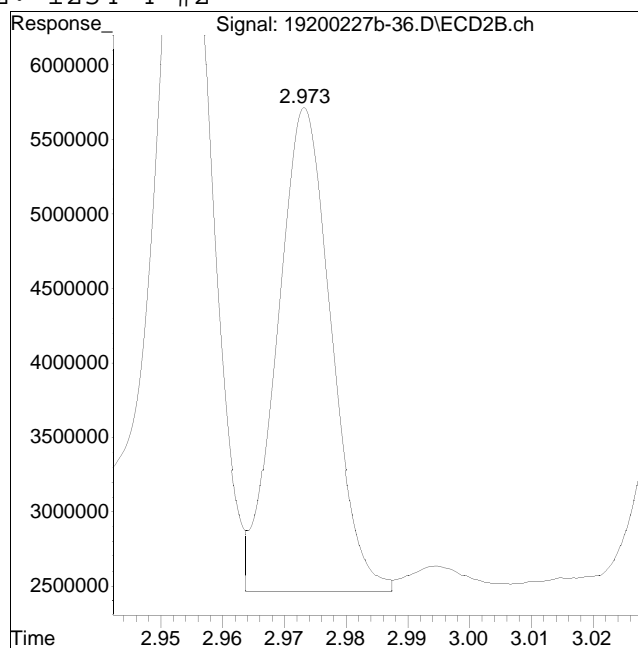
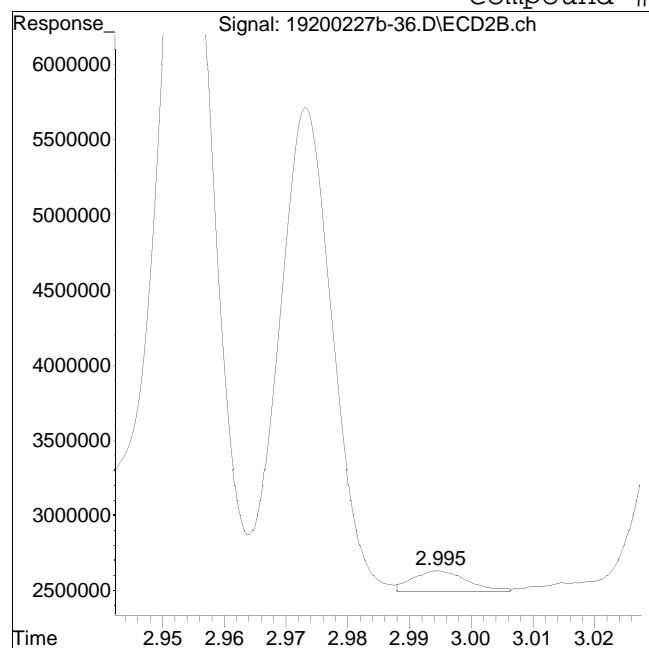
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-36.D
Date Inj'd : 2/27/2020 7:37 pm
Sample : 12008381-10d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #72: 1254-4 #2



Original Peak Response = 897997

Manual Peak Response = 19752601 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-38.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:50 pm
 Operator : pest19:cw
 Sample : l2008381-19d,42e,5,
 Misc : wgl345020,wgl344816,ical16321
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 10:32:50 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-25.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.994	1.036	34285884	51438638	250.000	250.000
Standard Area 1 : #1 = 27275164					Recovery =	125.70%
Standard Area 1 : #2 = 40376287					Recovery =	127.40%
14) i 2154_1br2nb	0.994	1.036	34285884	51438638	250.000	250.000
23) i 4268_1br2nb	0.994	1.036	34285884	51438638	250.000	250.000
34) i 1248_1br2nb	0.994	1.036	34285884	51438638	250.000	250.000
40) i 3262_1br2nb	0.994	1.036	34285884	51438638	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.250	1.380	9422119	13613083	52.661	51.815
Spiked Amount 500.000	Range 30 - 150				Recovery =	10.53%# 10.36%#
3) s Decachlorobi	4.007	4.512	8201499	10772136	57.145	48.610
Spiked Amount 500.000	Range 30 - 150				Recovery =	11.43%# 9.72%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.570	2.953	57522238	84646753	6365.738	6117.324M1
10) l2 1260-2	2.715	3.068	106.3E6	123.6E6	7820.505	7614.301M1
11) l2 1260-3	3.059	3.484	65472873	91515518	7405.091	6466.256M1
12) l2 1260-4	3.229	3.627	160.0E6	241.4E6	8604.412	8103.827
13) l2 1260-5	3.387	3.838	119.5E6	169.2E6	8897.139M3	8176.708
Sum 1260-1			508.7E6	710.3E6	39092.884	36478.415
Average 1260-1					7818.577	7295.683

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-38.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:50 pm
 Operator : pest19:cw
 Sample : l2008381-19d,42e,5,
 Misc : wgl345020,wgl344816,ical16321
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 10:32:50 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-25.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-38.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:50 pm
 Operator : pest19:cw
 Sample : l2008381-19d,42e,5,
 Misc : wgl1345020,wgl1344816,ical16321
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 10:32:50 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-25.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

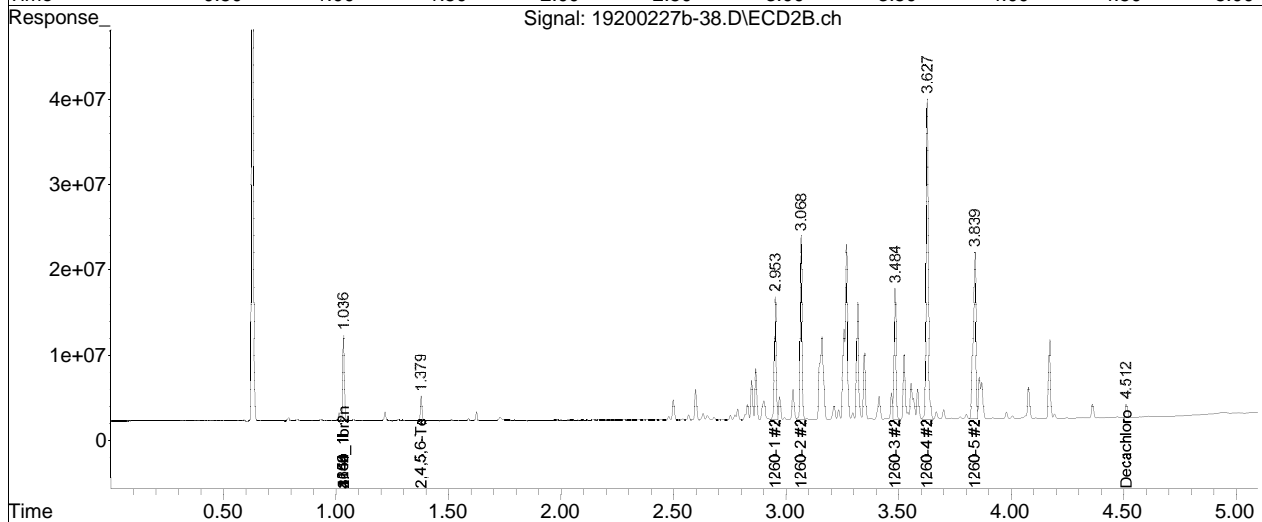
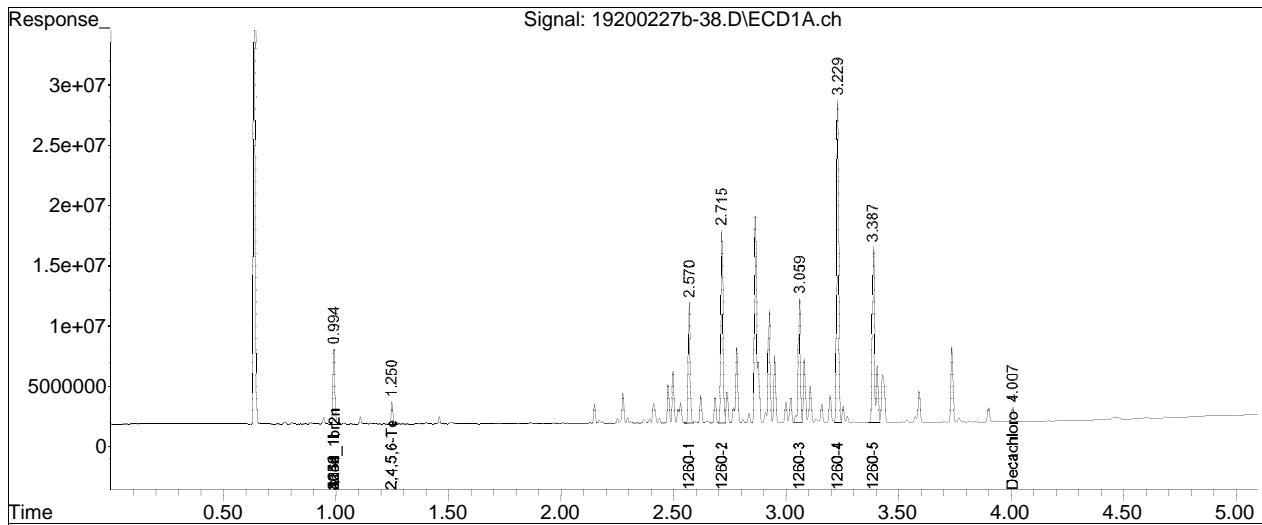
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-25.D••d)

Data Path : I:\Pest19\200227b\
Data File : 19200227b-38.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2020 07:50 pm
Operator : pest19:cw
Sample : l2008381-19d,42e,5,
Misc : wg1345020,wg1344816,ical16321
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 10:32:50 2020
Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

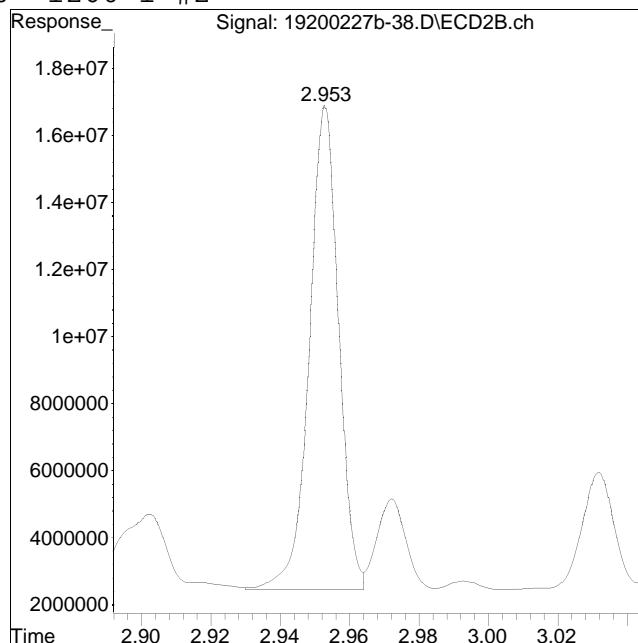
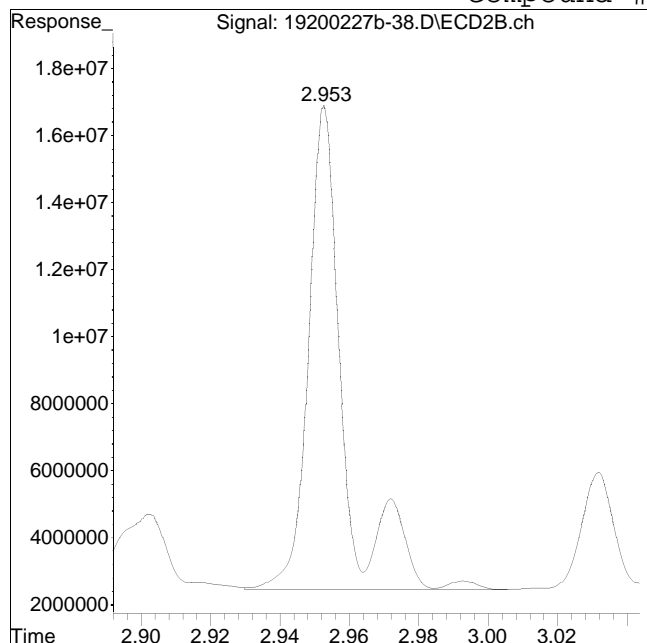


Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-38.D
Date Inj'd : 2/27/2020 7:50 pm
Sample : 12008381-19d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #60: 1260-1 #2



Original Peak Response = 101723333

Manual Peak Response = 84646753 M1

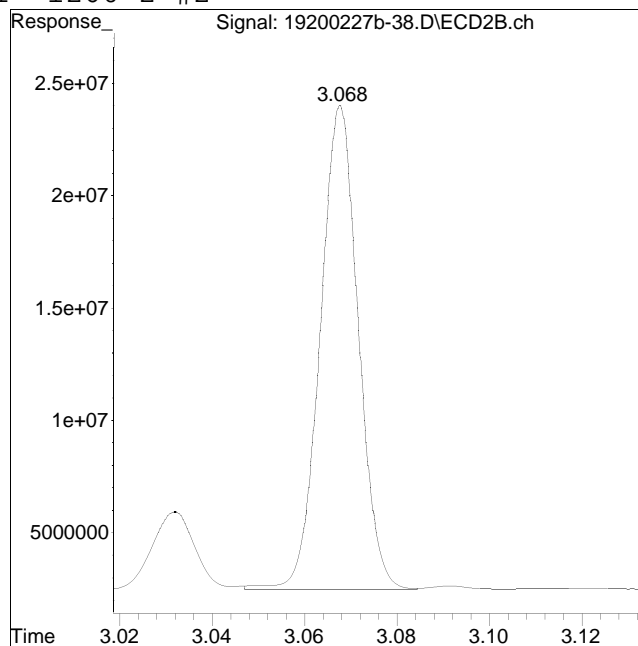
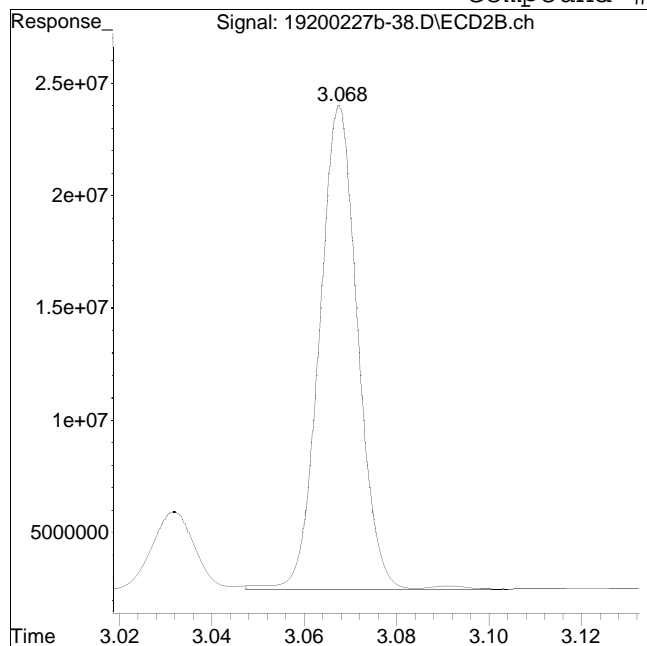
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-38.D
Date Inj'd : 2/27/2020 7:50 pm
Sample : 12008381-19d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #61: 1260-2 #2



Original Peak Response = 124785988

Manual Peak Response = 123636070 M1

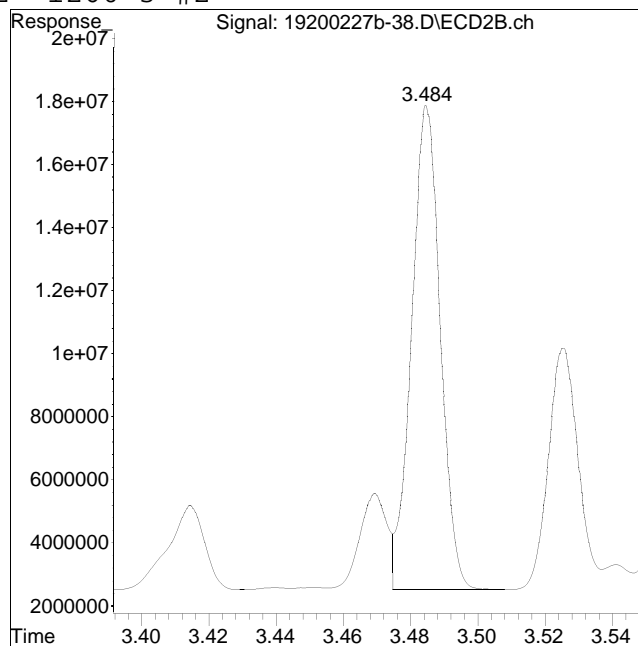
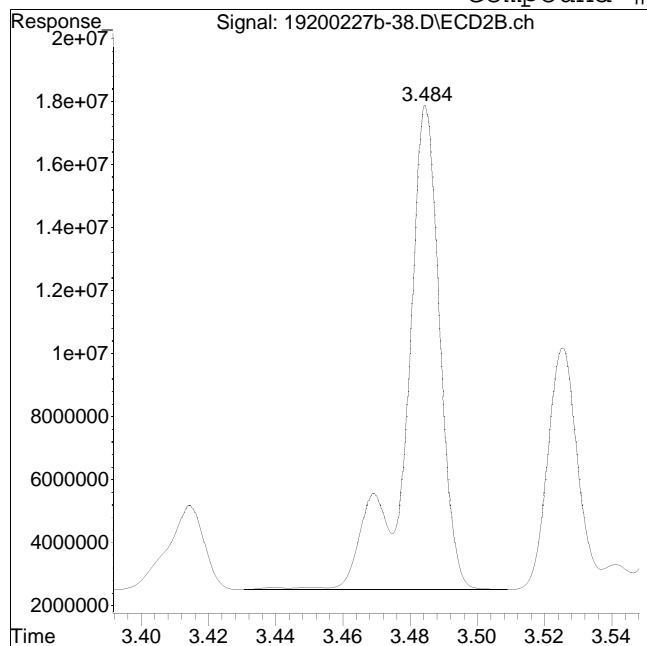
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-38.D
Date Inj'd : 2/27/2020 7:50 pm
Sample : 12008381-19d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #62: 1260-3 #2



Original Peak Response = 109614925

Manual Peak Response = 91515518 M1

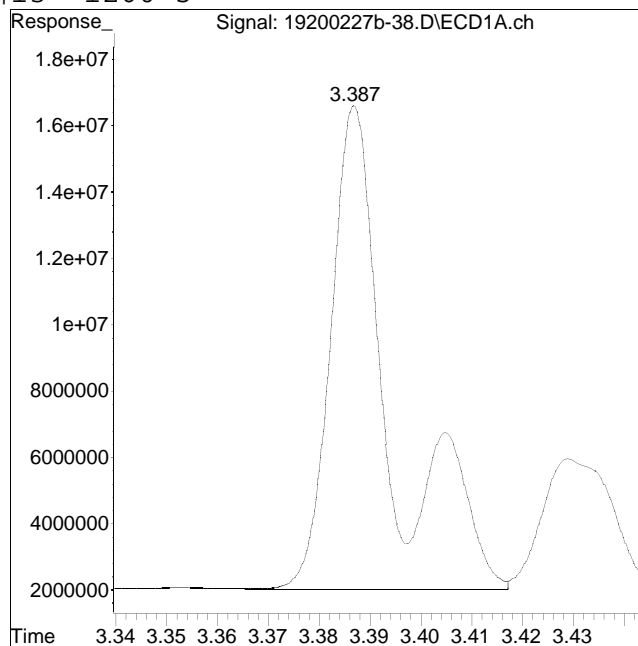
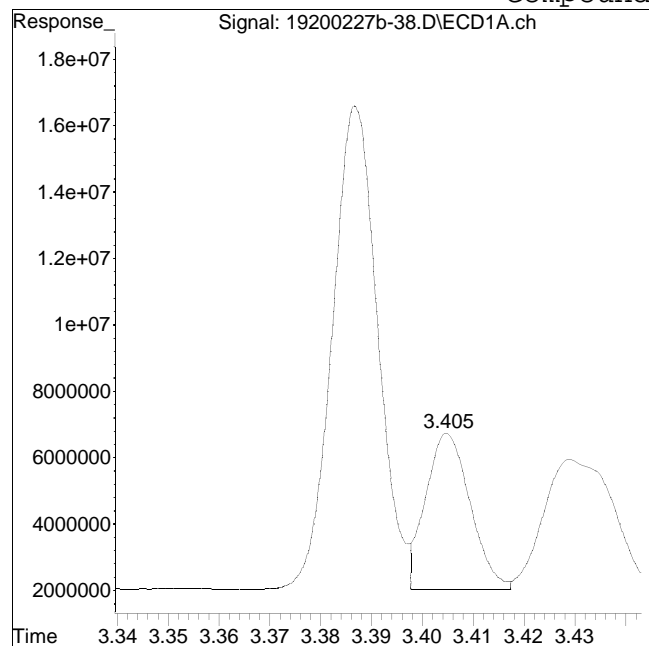
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-38.D
Date Inj'd : 2/27/2020 7:50 pm
Sample : 12008381-19d,42e,5,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #13: 1260-5



Original Peak Response = 28950386

Manual Peak Response = 119523301 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-39.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:57 pm
 Operator : pest19:cw
 Sample : l2008381-01d,42e,20,p
 Misc : wgl345020,wgl344816,ical16321
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 10:35:16 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-25.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.993	1.035	30011055	44540394	250.000	250.000
Standard Area 1 : #1 = 27275164					Recovery =	110.03%
Standard Area 1 : #2 = 40376287					Recovery =	110.31%
14) i 2154_1br2nb	0.993	1.035	30011055	44540394	250.000	250.000
23) i 4268_1br2nb	0.993	1.035	30011055	44540394	250.000	250.000
34) i 1248_1br2nb	0.993	1.035	30011055	44540394	250.000	250.000
40) i 3262_1br2nb	0.993	1.035	30011055	44540394	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.570	2.953	51536593	75128658	6515.725	6270.356
10) l2 1260-2	2.715	3.068	94237190	110.4E6	7923.890	7850.628
11) l2 1260-3	3.059	3.485	57669714	81656460	7451.623	6663.219
12) l2 1260-4	3.229	3.627	137.6E6	206.4E6	8457.872	8003.797
13) l2 1260-5	3.386	3.838	105.4E6	145.5E6	8964.781M3	8121.126
Sum 1260-1			446.5E6	619.1E6	39313.891	36909.125
Average 1260-1					7862.778	7381.825

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-39.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:57 pm
 Operator : pest19:cw
 Sample : l2008381-01d,42e,20,p
 Misc : wgl1345020,wgl1344816,ical16321
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 10:35:16 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-25.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200227b\
 Data File : 19200227b-39.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Feb 2020 07:57 pm
 Operator : pest19:cw
 Sample : l2008381-01d,42e,20,p
 Misc : wgl345020,wgl344816,ical16321
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 10:35:16 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200227b\19200227b-25.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

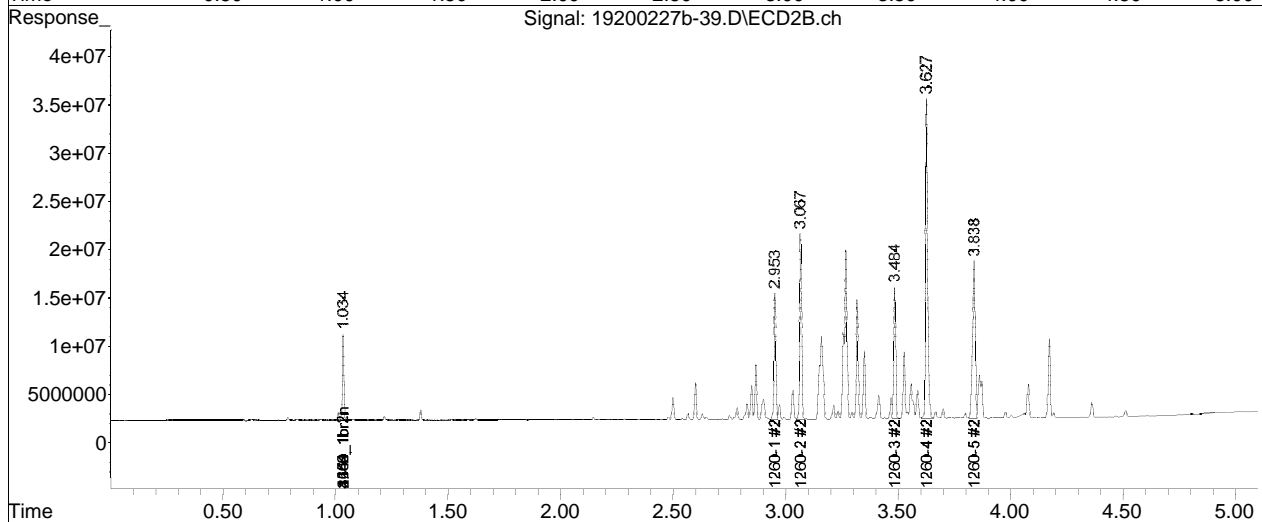
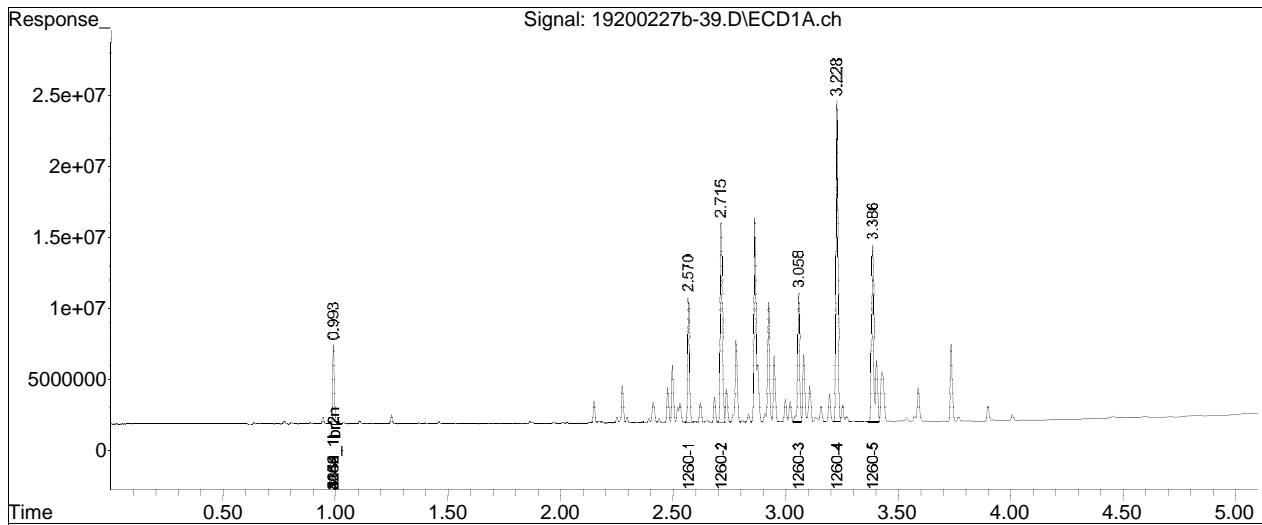
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb-25.D••d)

Data Path : I:\Pest19\200227b\
Data File : 19200227b-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2020 07:57 pm
Operator : pest19:cw
Sample : l2008381-01d,42e,20,p
Misc : wg1345020,wg1344816,ical16321
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 10:35:16 2020
Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

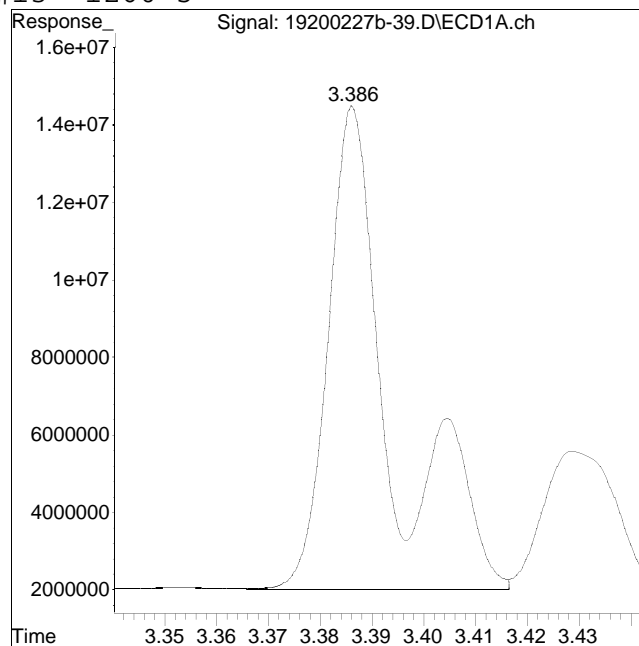
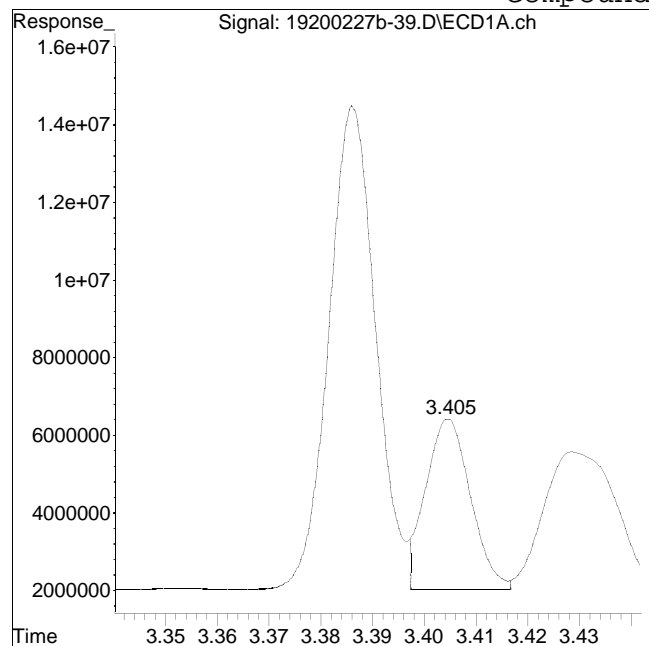


Manual Integration Report

Data Path : I:\Pest19\200227b\
Data File : 19200227b-39.D
Date Inj'd : 2/27/2020 7:57 pm
Sample : 12008381-01d,42e,20,p

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:cw
Instrument : Pest 19
Quant Date : 3/2/2020 10:24 am

Compound #13: 1260-5



Original Peak Response = 26862891

Manual Peak Response = 105416311 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200228a\
 Data File : 19200228a-05.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Feb 2020 10:59 am
 Operator : pest19:aws
 Sample : l2008381-13d,42e,25,
 Misc : wgl345420,wgl344816,ical16321
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 28 12:02:20 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200228a\19200228a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	0.994	1.035	28655429	46071380	250.000	250.000
Standard Area 1 : #1 = 24727278					Recovery =	115.89%
Standard Area 1 : #2 = 36660855					Recovery =	125.67%
14) i 2154_1br2nb	0.994	1.035	28655429	46071380	250.000	250.000
23) i 4268_1br2nb	0.994	1.035	28655429	46071380	250.000	250.000
34) i 1248_1br2nb	0.994	1.035	28655429	46071380	250.000	250.000
40) i 3262_1br2nb	0.994	1.035	28655429	46071380	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.574	2.956	15024080	26082775	1989.341	2104.569
10) l2 1260-2	2.720	3.072	26704317	31228017	2351.646	2147.274
11) l2 1260-3	3.064	3.489	16567426	26749233	2241.984	2110.220
12) l2 1260-4	3.235	3.632	38815672	59030956	2498.062	2212.970
13) l2 1260-5	3.393	3.843	28747892	39939302	2560.426M1	2155.334M4
Sum 1260-1			125.9E6	183.0E6	11641.459	10730.366
Average 1260-1					2328.292	2146.073

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200228a\
 Data File : 19200228a-05.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Feb 2020 10:59 am
 Operator : pest19:aws
 Sample : l2008381-13d,42e,25,
 Misc : wgl1345420,wgl1344816,ical16321
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 28 12:02:20 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200228a\19200228a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200228a\
 Data File : 19200228a-05.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Feb 2020 10:59 am
 Operator : pest19:aws
 Sample : l2008381-13d,42e,25,
 Misc : wgl1345420,wgl1344816,ical16321
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 28 12:02:20 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200228a\19200228a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D.	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest19\200228a\
 Data File : 19200228a-05.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Feb 2020 10:59 am
 Operator : pest19:aws
 Sample : l2008381-13d,42e,25,
 Misc : wgl1345420,wgl1344816,ical16321
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 28 12:02:20 2020
 Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 12:57:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest19\200228a\19200228a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

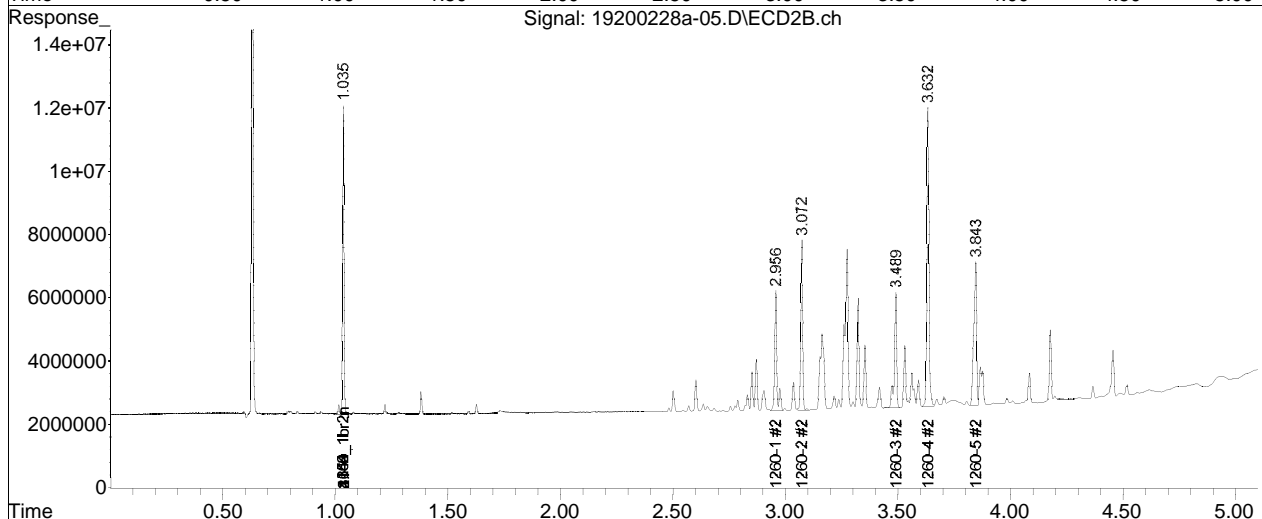
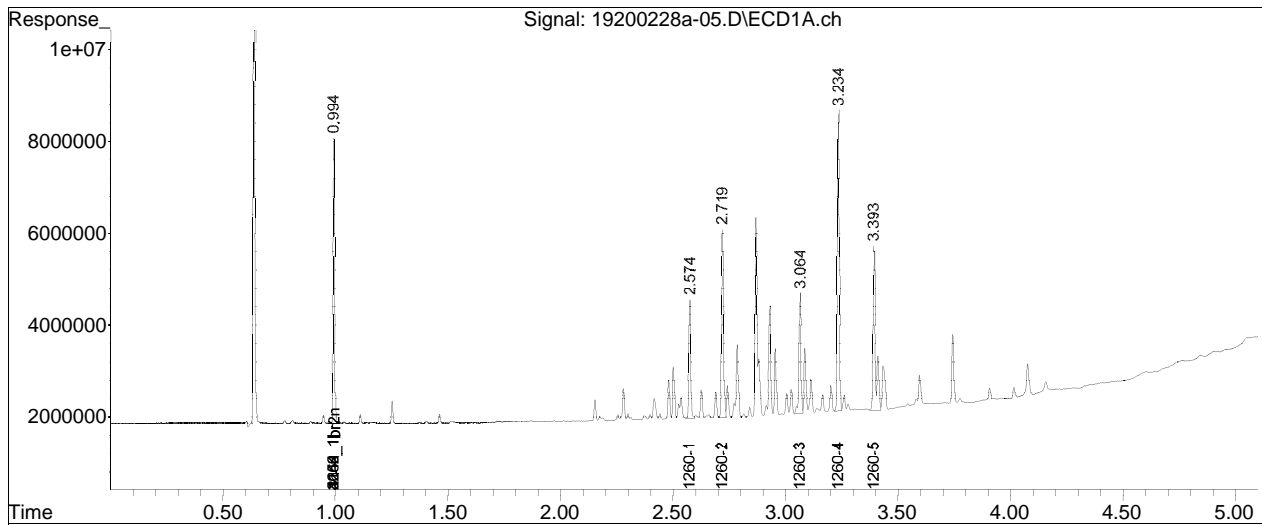
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.D••d)

Data Path : I:\Pest19\200228a\
Data File : 19200228a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Feb 2020 10:59 am
Operator : pest19:aws
Sample : 12008381-13d,42e,25,
Misc : wg1345420,wg1344816,ical16321
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 28 12:02:20 2020
Quant Method : I:\Pest19\200227b\P19_pcb_11_20_19_ugL_ICAL16321.m
Quant Title : pcb
QLast Update : Fri Feb 21 12:57:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

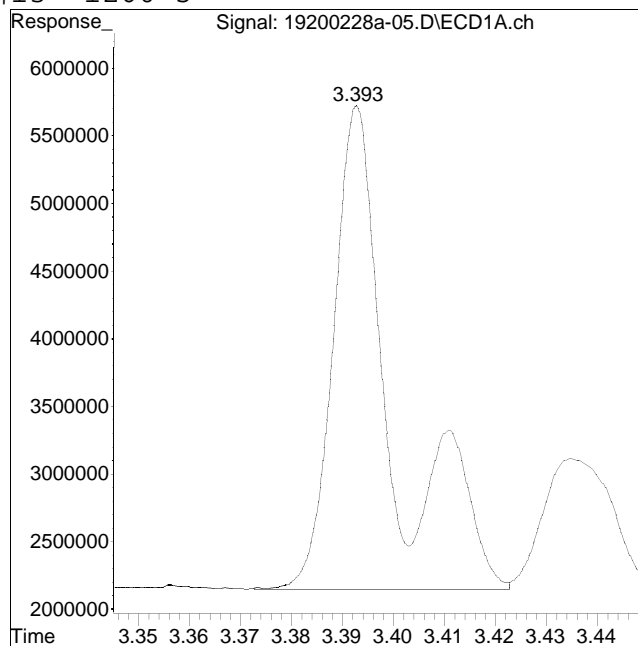
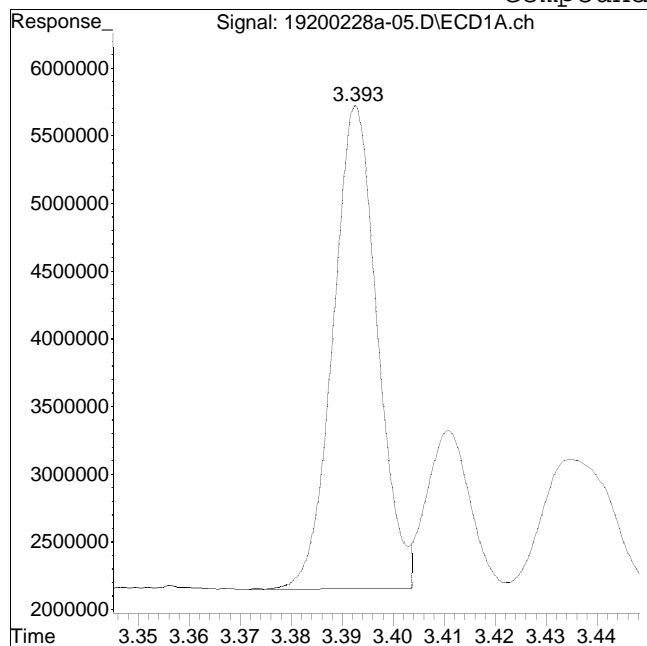


Manual Integration Report

Data Path : I:\Pest19\200228a\
Data File : 19200228a-05.D
Date Inj'd : 2/28/2020 10:59 am
Sample : 12008381-13d,42e,25,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/28/2020 11:58 am

Compound #13: 1260-5



Original Peak Response = 21495822

Manual Peak Response = 28747892 M1

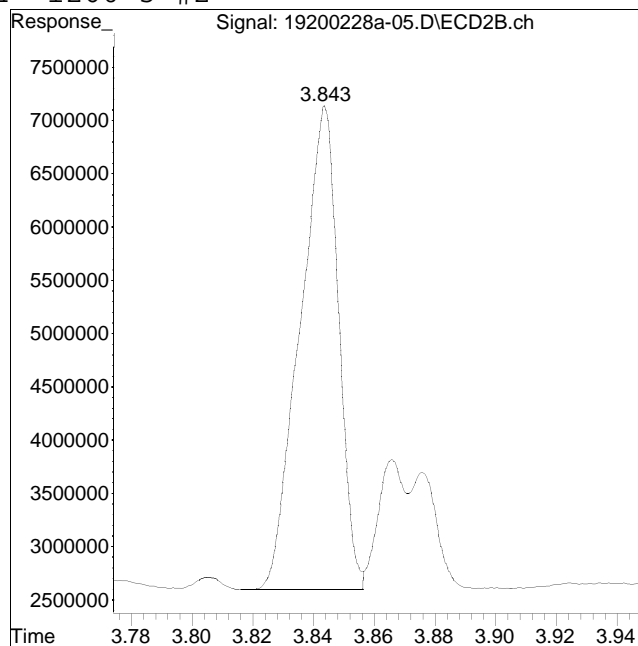
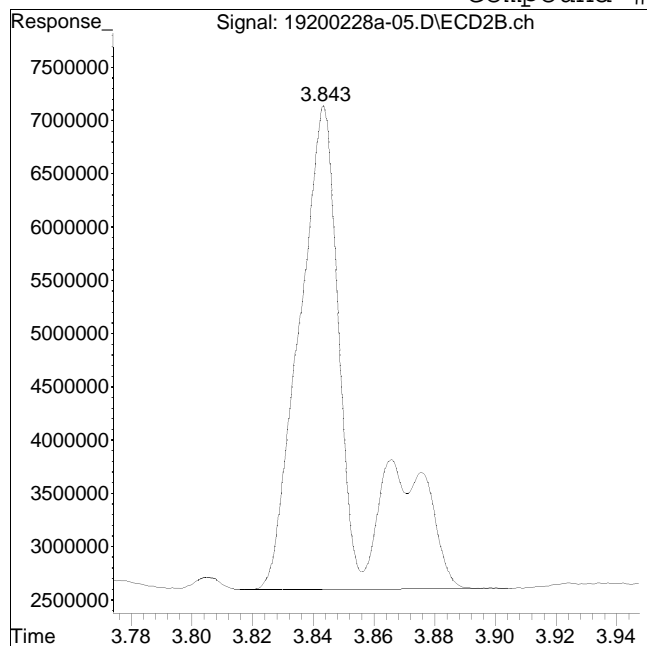
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest19\200228a\
Data File : 19200228a-05.D
Date Inj'd : 2/28/2020 10:59 am
Sample : 12008381-13d,42e,25,

QMethod : P19_pcb_11_20_19_ugL_ICA
Operator : pest19:aws
Instrument : Pest 19
Quant Date : 2/28/2020 11:58 am

Compound #64: 1260-5 #2



Original Peak Response = 53581751

Manual Peak Response = 39939302 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200227A\
 Data File : P2200227a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 1:26 pm
 Operator : pest2:AD
 Sample : l2008381-20,42e,,
 Misc : wgl1344958,wgl1344382,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 22:09:17 2020
 Quant Method : I:\Pest2\200227A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200227A\P2200227a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.076	2.264	144.6E6	92379090	25.000	25.000
Standard Area 1 : #1 = 107540568					Recovery =	134.46%
Standard Area 1 : #2 = 67842972					Recovery =	136.17%
14) i 2154_1br2nb	2.076	2.264	144.6E6	92379090	25.000	25.000
23) i 4268_1br2nb	2.076	2.264	144.6E6	92379090	25.000	25.000
34) i 1248_1br2nb	2.076	2.264	144.6E6	92379090	25.000	25.000
40) i 3262_1br2nb	2.076	2.264	144.6E6	92379090	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.554	2.903	66619752	43764122	11.229	11.244
Spiked Amount 20.000	Range 30 - 150				Recovery =	56.15% 56.22%
3) s Decachlorobi	6.554	7.248f	65179998	37088780	11.444M4	12.189
Spiked Amount 20.000	Range 30 - 150				Recovery =	57.22% 60.95%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200227A\
 Data File : P2200227a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 1:26 pm
 Operator : pest2:AD
 Sample : l2008381-20,42e,,
 Misc : wgl344958,wgl344382,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 22:09:17 2020
 Quant Method : I:\Pest2\200227A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200227A\P2200227a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200227A\
 Data File : P2200227a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 1:26 pm
 Operator : pest2:AD
 Sample : l2008381-20,42e,,
 Misc : wgl1344958,wgl1344382,ical16010
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 22:09:17 2020
 Quant Method : I:\Pest2\200227A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200227A\P2200227a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

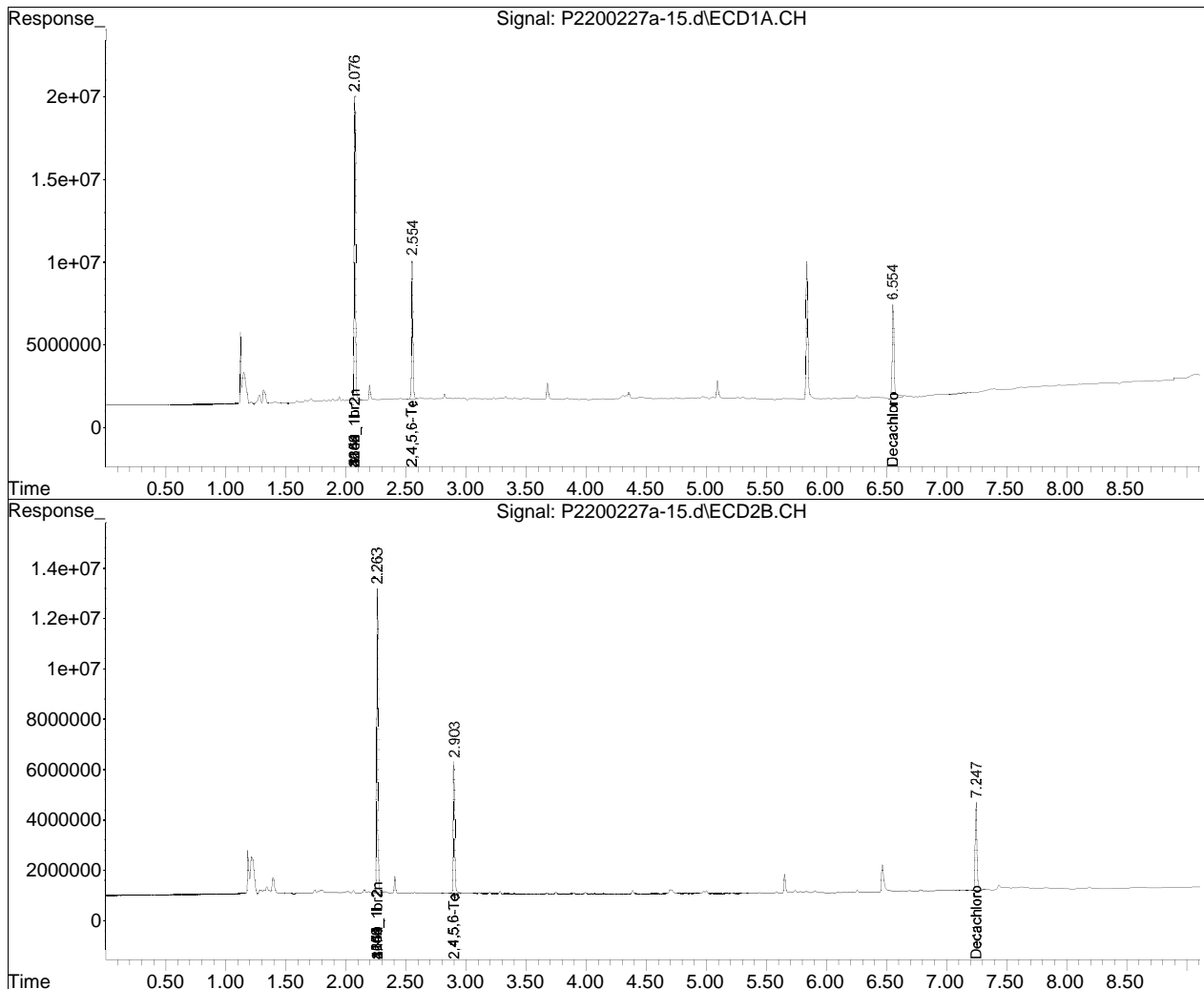
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 25% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200227A\
Data File : P2200227a-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Feb 2020 1:26 pm
Operator : pest2:AD
Sample : l2008381-20,42e,,
Misc : wg1344958,wg1344382,ical16010
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 22:09:17 2020
Quant Method : I:\Pest2\200227A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

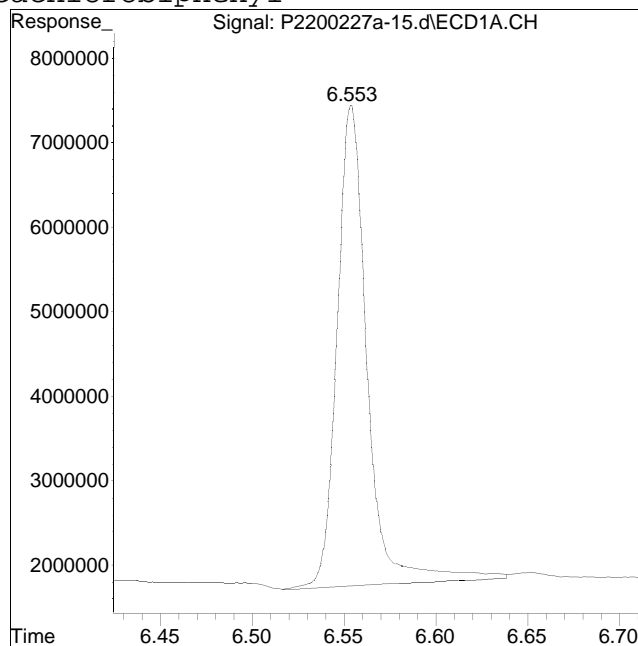
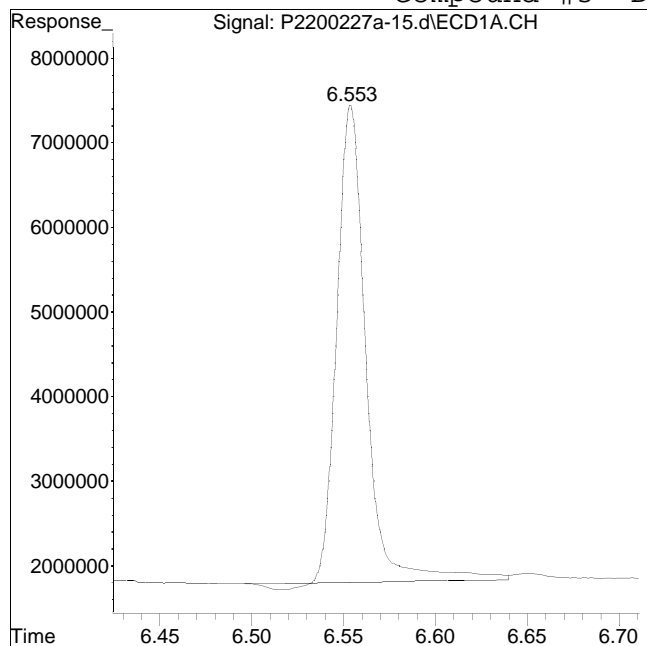


Manual Integration Report

Data Path : I:\Pest2\200227A\
Data File : P2200227a-15.d
Date Inj'd : 2/27/2020 1:26 pm
Sample : 12008381-20,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:AD
Instrument : PEST 2
Quant Date : 3/2/2020 10:07 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 62139406

Manual Peak Response = 65179998 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-10.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 2:42 pm
 Operator : pest7:cw
 Sample : l2008381-02,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:51:47 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.889	1.940	464.1E6	363.8E6	250.000M4	250.000M4
Standard Area 1 : #1 = 450981724			Recovery = 102.91%			
Standard Area 1 : #2 = 348675887			Recovery = 104.34%			
14) i 2154_1br2nb	1.889	1.940	464.1E6	363.8E6	250.000M4	250.000M4
23) i 4268_1br2nb	1.889	1.940	464.1E6	363.8E6	250.000M4	250.000M4
34) i 1248_1br2nb	1.889	1.940	464.1E6	363.8E6	250.000M4	250.000M4
40) i 3262_1br2nb	1.889	1.940	464.1E6	363.8E6	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.318	2.459	880.7E6	701.7E6	385.703	398.655M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 77.14% 79.73%			
3) s Decachlorobi	6.222	6.637	560.2E6	426.3E6	369.562	403.013M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 73.91% 80.60%			
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.390	4.788	4688039	5036521	42.134	63.536
10) l2 1260-2	4.600	4.946	8949492	5302931	53.717M4	58.119
11) l2 1260-3	5.072	5.471	4499865	3790001	44.305M2	51.092M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-10.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 2:42 pm
 Operator : pest7:cw
 Sample : 12008381-02,42e,,
 Misc : wgl1345035,wgl1344816,ical15997
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:51:47 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	12 1260-4	5.291	5.645	13642310	10331949	60.189M1	67.398
13)	12 1260-5	5.488	5.889	9959154	5641155	63.923M1	52.732
	Sum 1260-1			41738860	30102557	264.267	292.878
	Average 1260-1					52.853	58.576
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D.	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D.	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D.	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-10.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 2:42 pm
 Operator : pest7:cw
 Sample : l2008381-02,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:51:47 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17	1248-2	0.000	0.000	0	0	N.D.	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15	1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15	1232-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D.	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-10.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 2:42 pm
 Operator : pest7:cw
 Sample : l2008381-02,42e,,
 Misc : wgl1345035,wgl1344816,ical15997
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:51:47 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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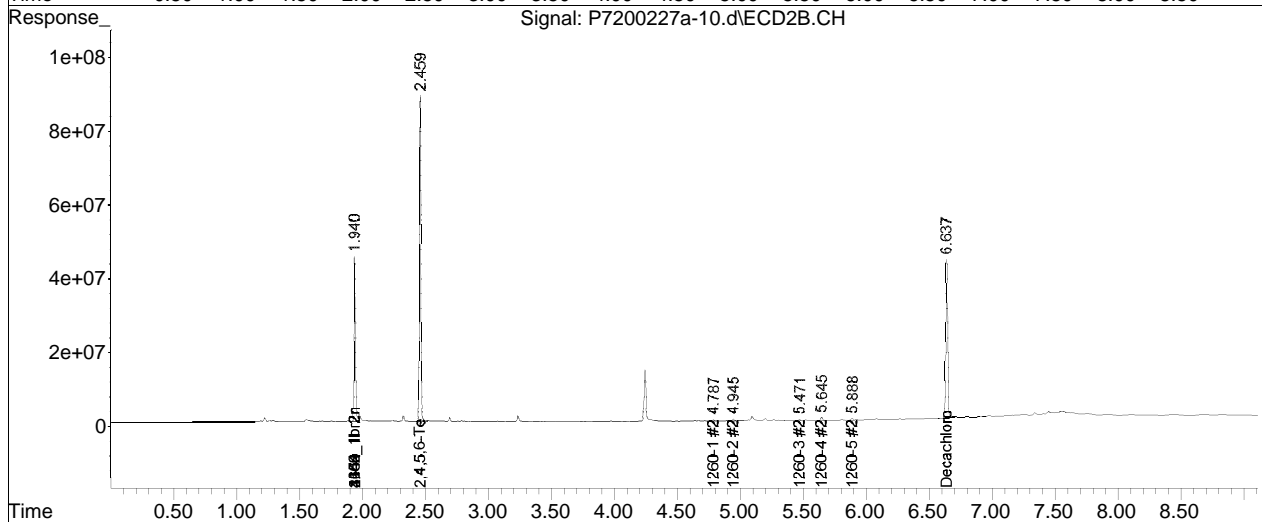
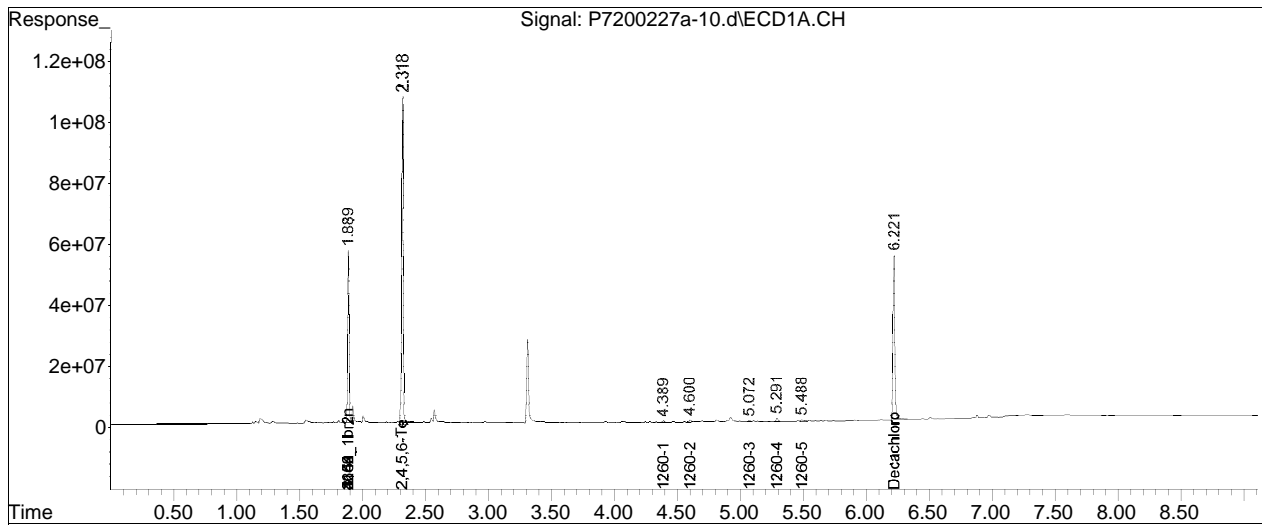
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-03.d••ed)

Data Path : I:\Pest7\200227A\
Data File : P7200227a-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Feb 2020 2:42 pm
Operator : pest7:cw
Sample : l2008381-02,42e,,
Misc : wg1345035,wg1344816,ical15997
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 08:51:47 2020
Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

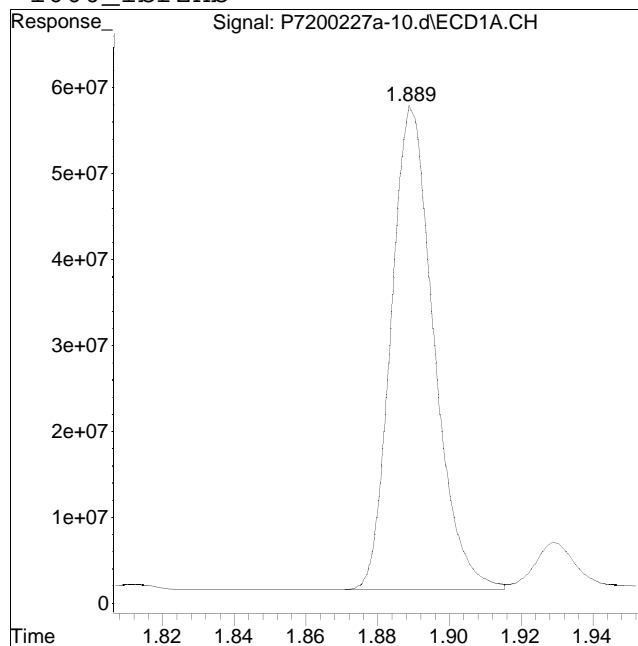
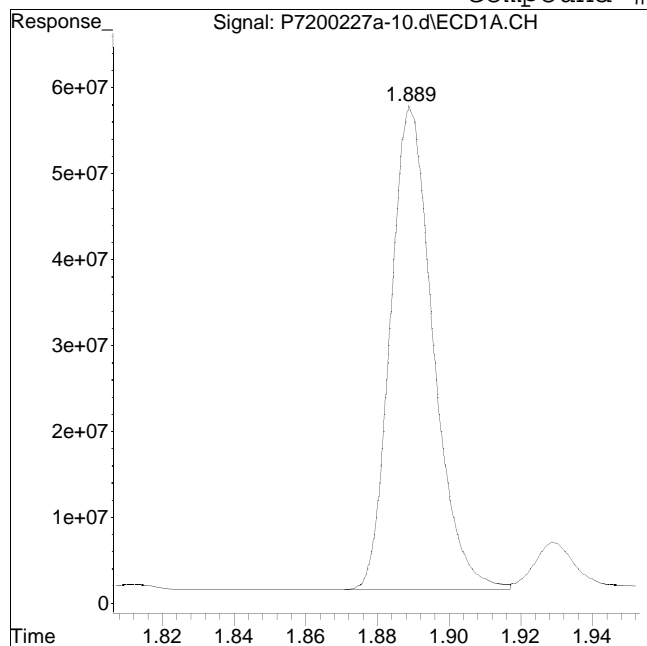


Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-10.d
Date Inj'd : 2/27/2020 2:42 pm
Sample : 12008381-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #1: 1660_1br2nb



Original Peak Response = 464069899

Manual Peak Response = 464101787 M4

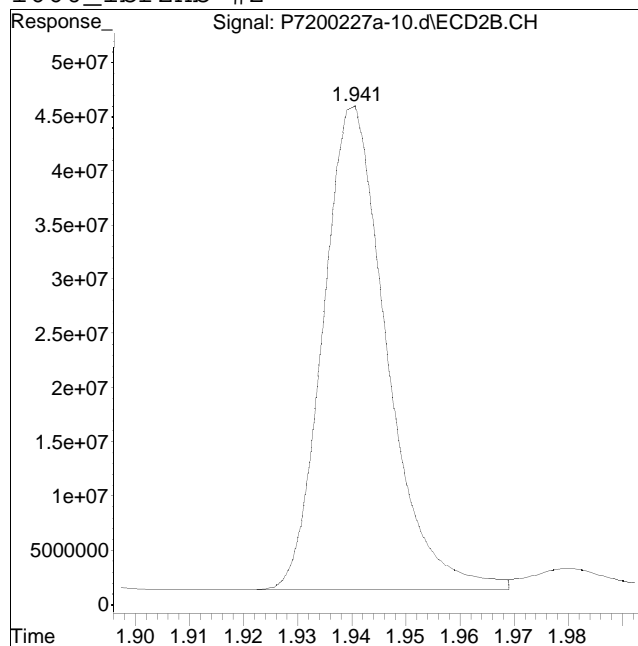
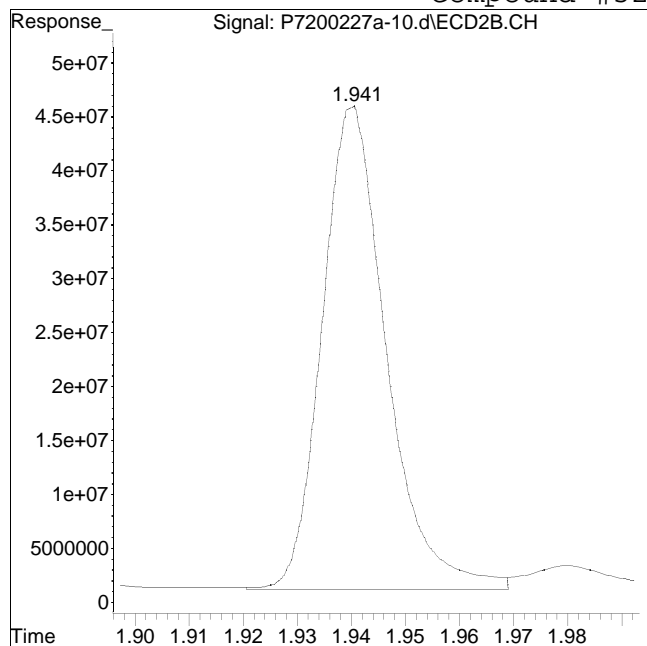
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-10.d
Date Inj'd : 2/27/2020 2:42 pm
Sample : 12008381-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 370491426

Manual Peak Response = 363821806 M4

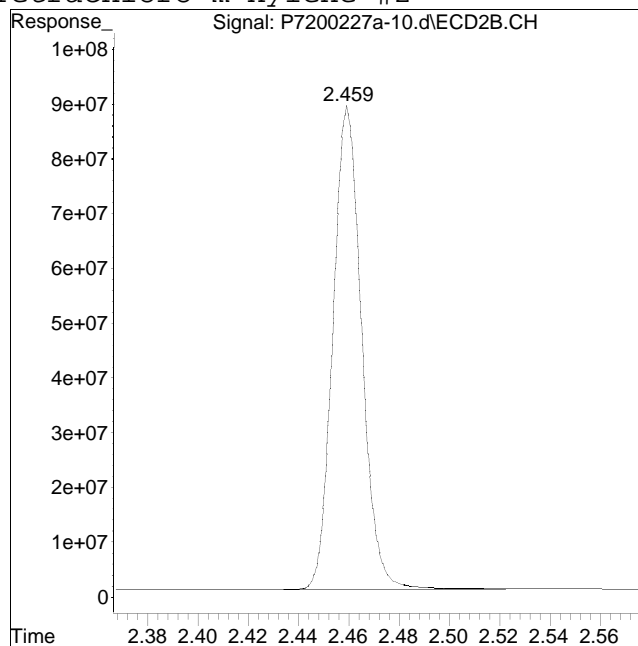
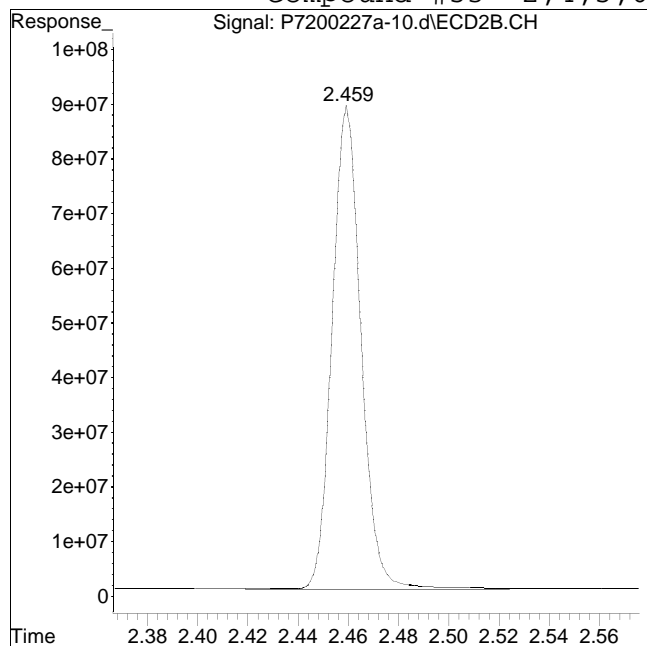
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-10.d
Date Inj'd : 2/27/2020 2:42 pm
Sample : 12008381-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 714521186

Manual Peak Response = 701684012 M4

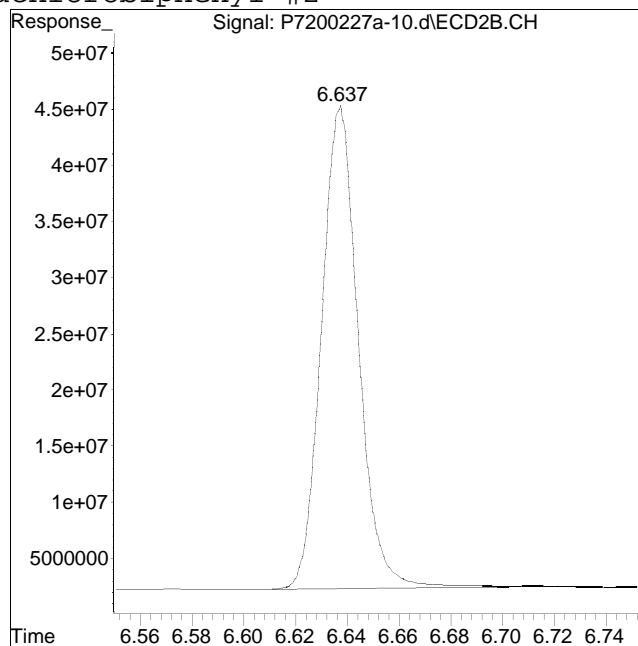
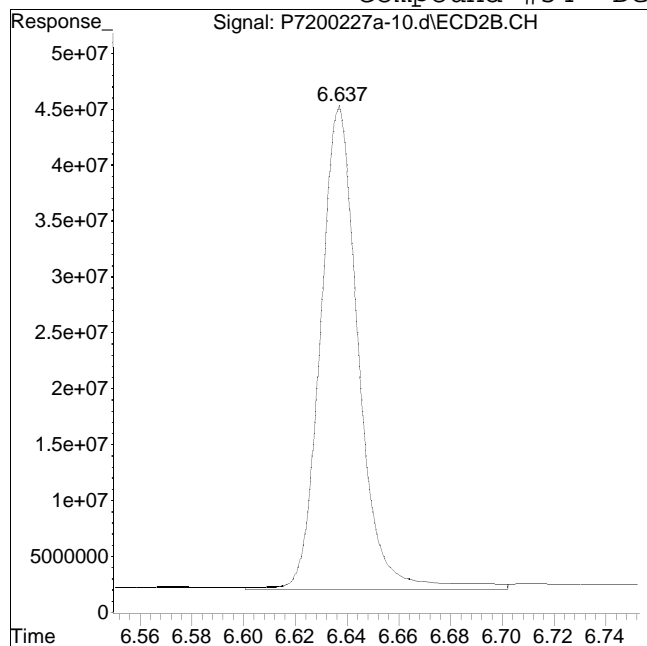
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-10.d
Date Inj'd : 2/27/2020 2:42 pm
Sample : 12008381-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 443760783

Manual Peak Response = 426324203 M4

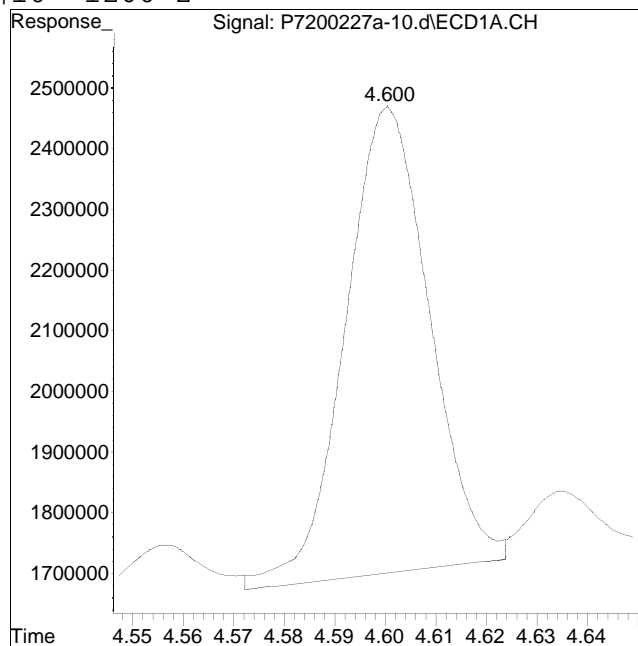
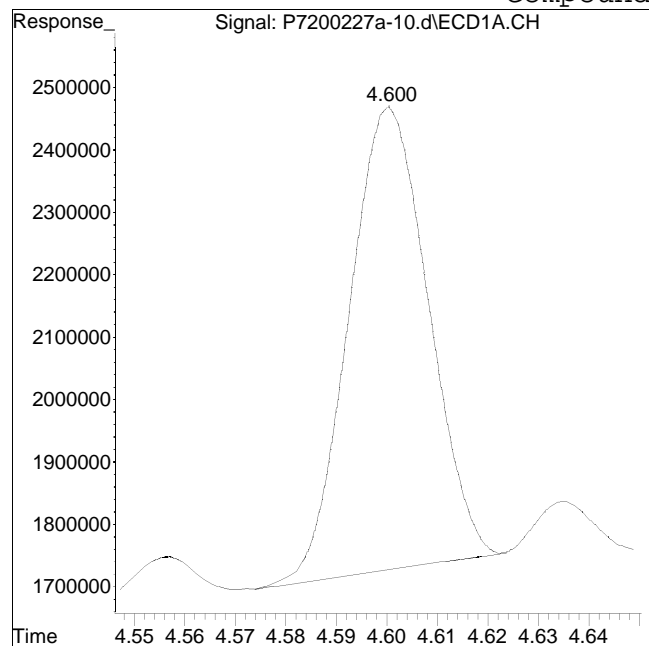
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-10.d
Date Inj'd : 2/27/2020 2:42 pm
Sample : 12008381-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #10: 1260-2



Original Peak Response = 8073768

Manual Peak Response = 8949492 M4

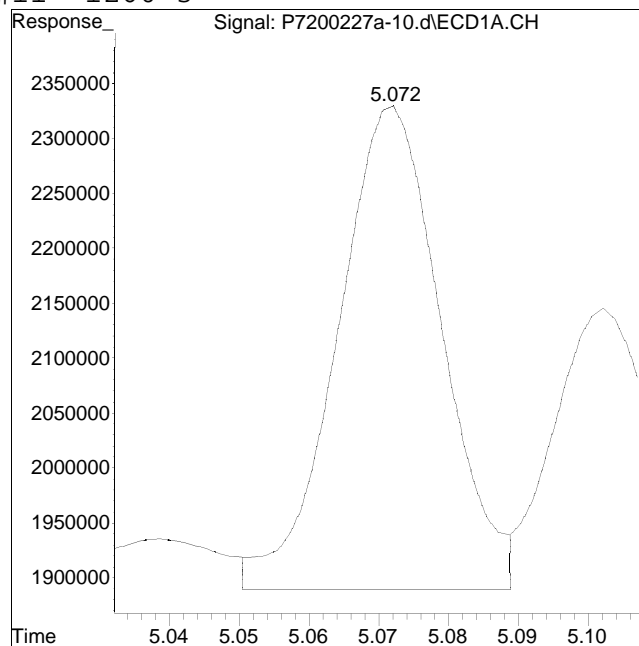
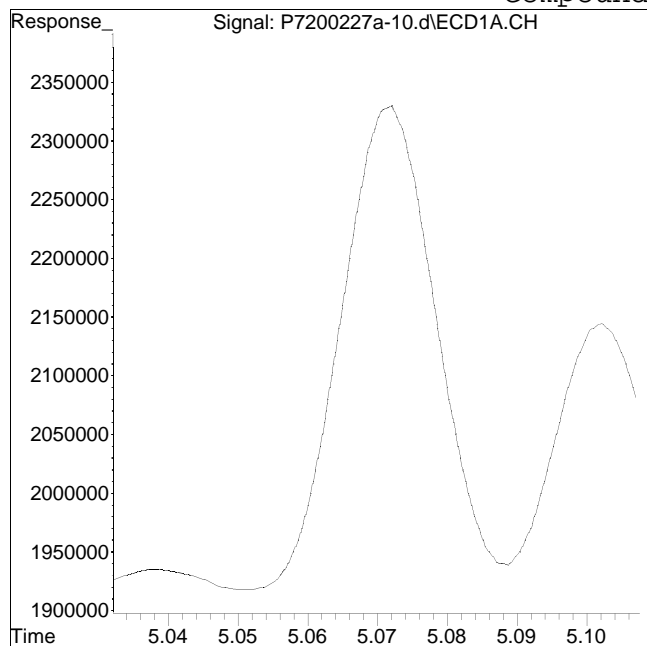
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-10.d
Date Inj'd : 2/27/2020 2:42 pm
Sample : 12008381-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #11: 1260-3



Original Peak Response = 0

Manual Peak Response = 4499865 M2

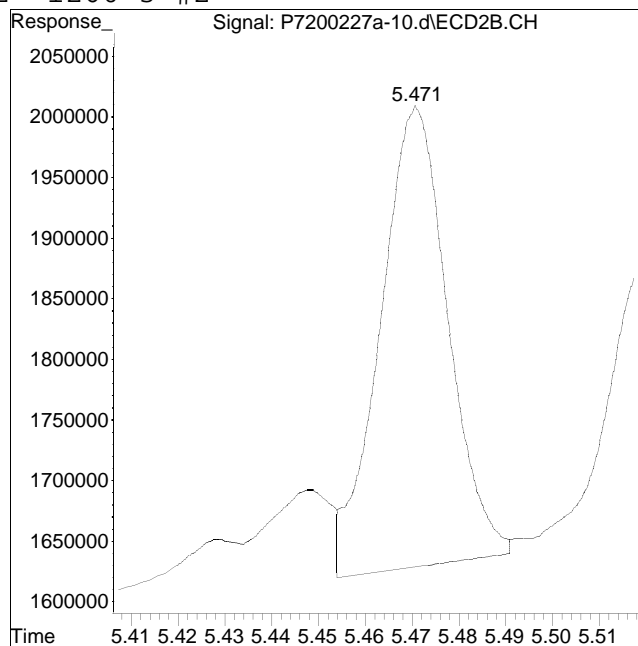
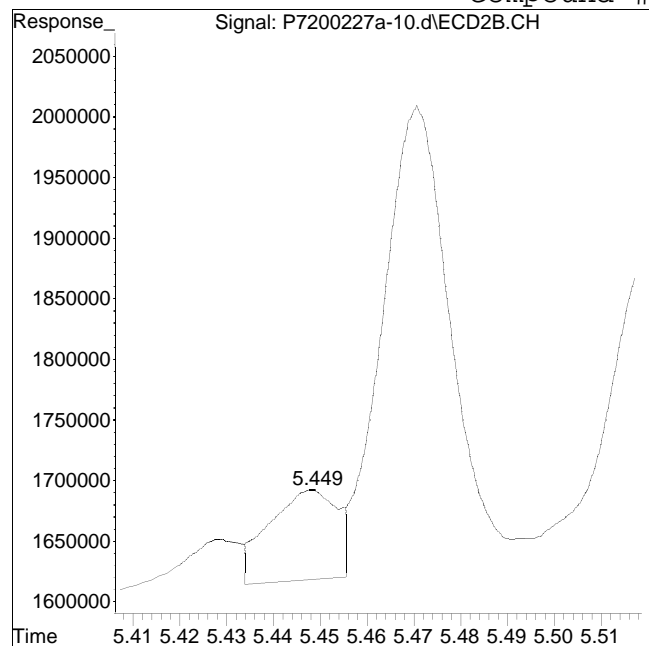
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-10.d
Date Inj'd : 2/27/2020 2:42 pm
Sample : 12008381-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #62: 1260-3 #2



Original Peak Response = 706140

Manual Peak Response = 3790001 M3

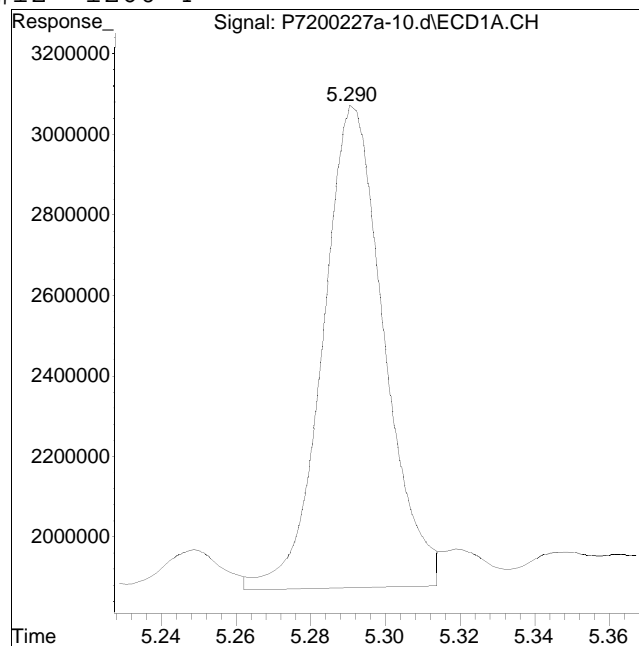
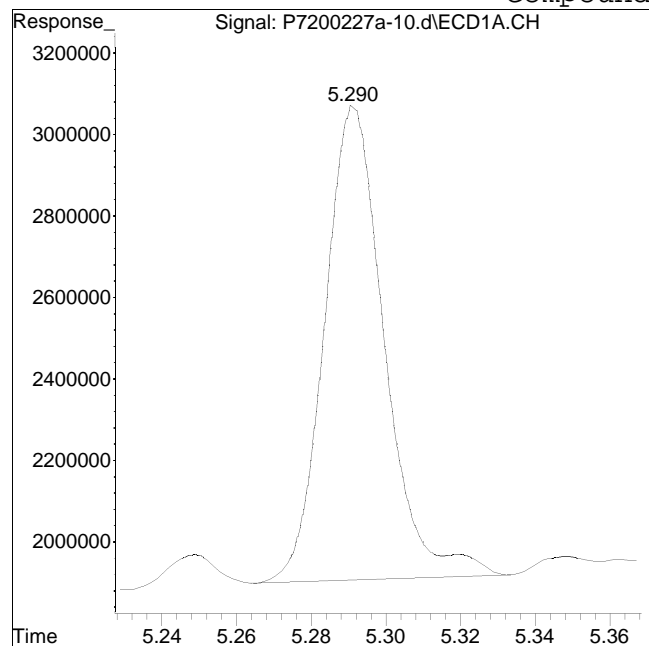
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-10.d
Date Inj'd : 2/27/2020 2:42 pm
Sample : 12008381-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #12: 1260-4



Original Peak Response = 12957408

Manual Peak Response = 13642310 M1

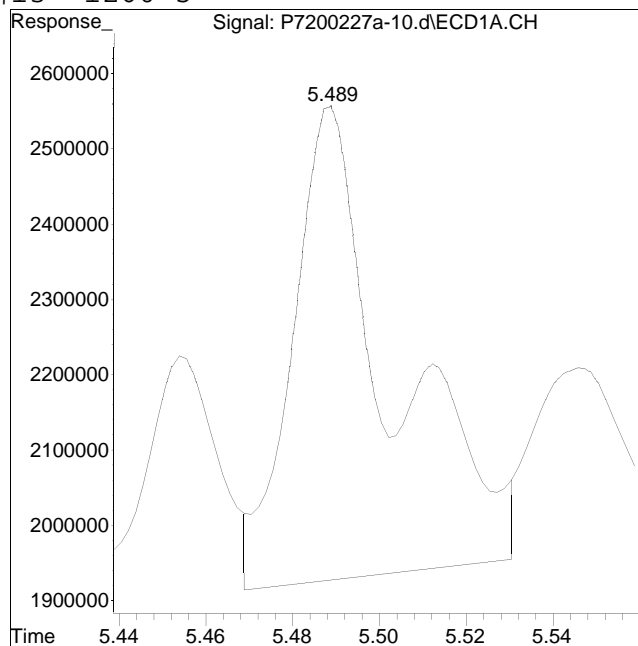
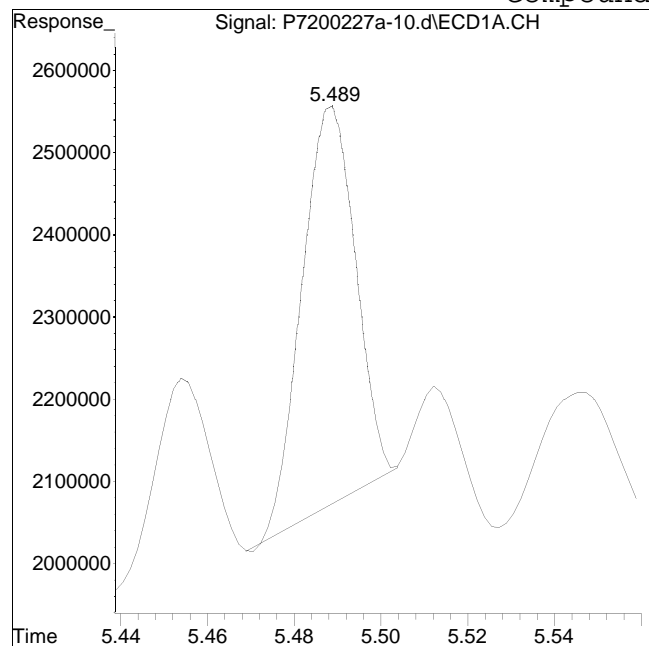
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-10.d
Date Inj'd : 2/27/2020 2:42 pm
Sample : 12008381-02,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #13: 1260-5



Original Peak Response = 4177729

Manual Peak Response = 9959154 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-11.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 2:55 pm
 Operator : pest7:cw
 Sample : l2008381-04,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:53:44 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.890	1.940	482.2E6	375.4E6	250.000	250.000M4
Standard Area 1 : #1 = 450981724					Recovery =	106.92%
Standard Area 1 : #2 = 348675887					Recovery =	107.66%
14) i 2154_1br2nb	1.890	1.940	482.2E6	375.4E6	250.000	250.000M4
23) i 4268_1br2nb	1.890	1.940	482.2E6	375.4E6	250.000	250.000M4
34) i 1248_1br2nb	1.890	1.940	482.2E6	375.4E6	250.000	250.000M4
40) i 3262_1br2nb	1.890	1.940	482.2E6	375.4E6	250.000	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.318	2.459	806.4E6	637.5E6	339.913M4	351.041M4
Spiked Amount	500.000	Range 30 - 150	Recovery =	67.98%	70.21%	
3) s Decachlorobi	6.222	6.636	529.3E6	409.3E6	336.077	375.029M4
Spiked Amount	500.000	Range 30 - 150	Recovery =	67.22%	75.01%	
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.390	4.787	39760844	32174669	343.938	393.393
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	5.072	5.470	34634223	22964279	328.203	300.045M3
12) l2 1260-4	5.292	5.645	79995473	64078524	339.687	405.133
13) l2 1260-5	5.488	5.889	66364454	42431584	409.973M1	384.431
Sum 1260-1			220.8E6	161.6E6	1421.802	1483.002
Average 1260-1					355.450	370.750

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-11.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 2:55 pm
 Operator : pest7:cw
 Sample : l2008381-04,42e,,
 Misc : wgl1345035,wgl1344816,ical15997
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:53:44 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D.
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-11.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 2:55 pm
 Operator : pest7:cw
 Sample : l2008381-04,42e,,
 Misc : wgl1345035,wgl1344816,ical15997
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:53:44 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-11.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 2:55 pm
 Operator : pest7:cw
 Sample : l2008381-04,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:53:44 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

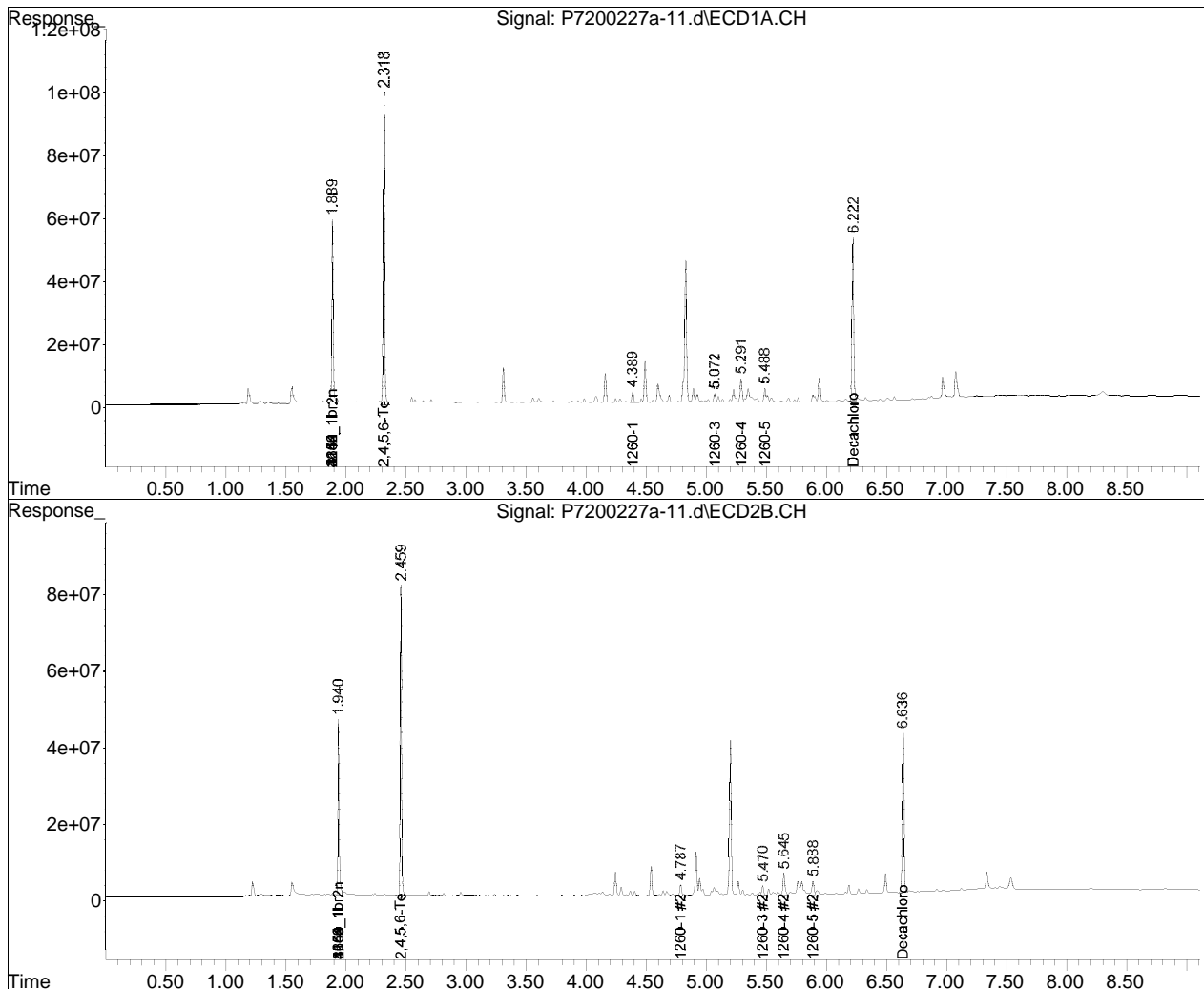
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-03.d••ed)

Data Path : I:\Pest7\200227A\
Data File : P7200227a-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Feb 2020 2:55 pm
Operator : pest7:cw
Sample : l2008381-04,42e,,
Misc : wg1345035,wg1344816,ical15997
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 08:53:44 2020
Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

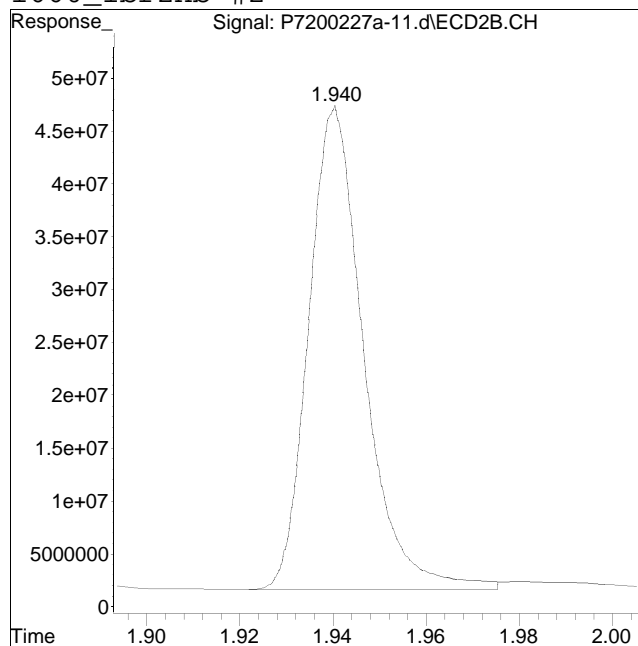
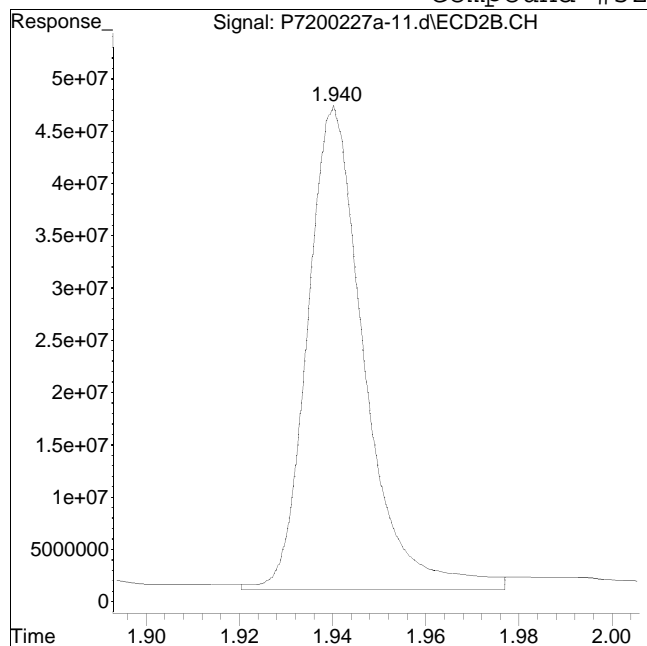


Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-11.d
Date Inj'd : 2/27/2020 2:55 pm
Sample : 12008381-04,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 392859755

Manual Peak Response = 375377319 M4

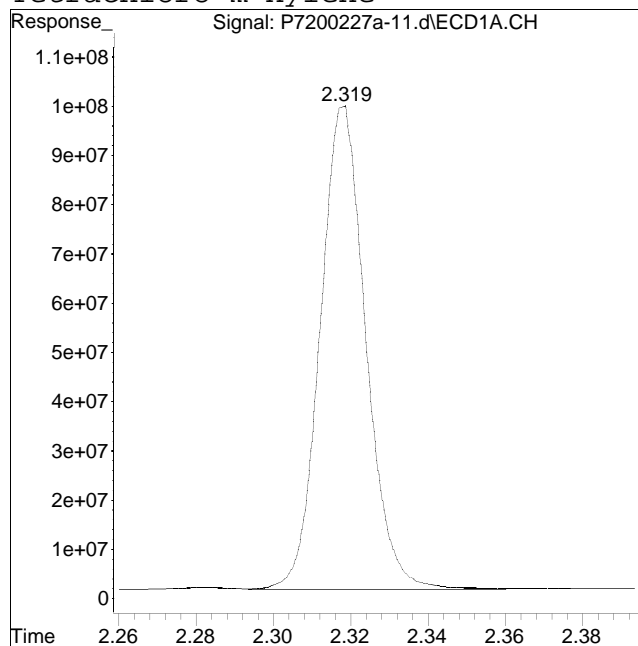
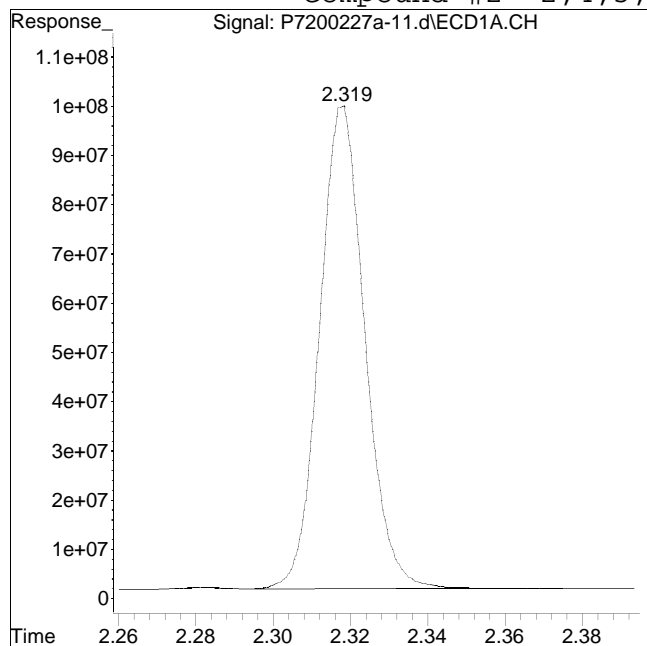
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-11.d
Date Inj'd : 2/27/2020 2:55 pm
Sample : 12008381-04,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 798627123

Manual Peak Response = 806409054 M4

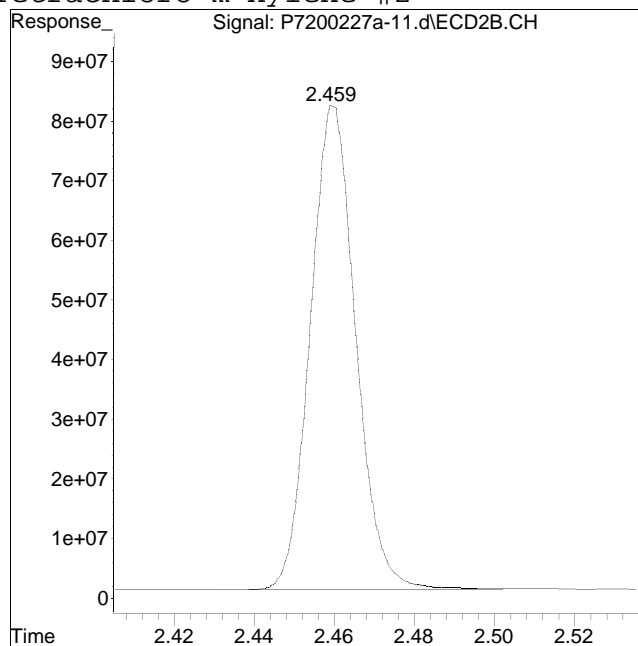
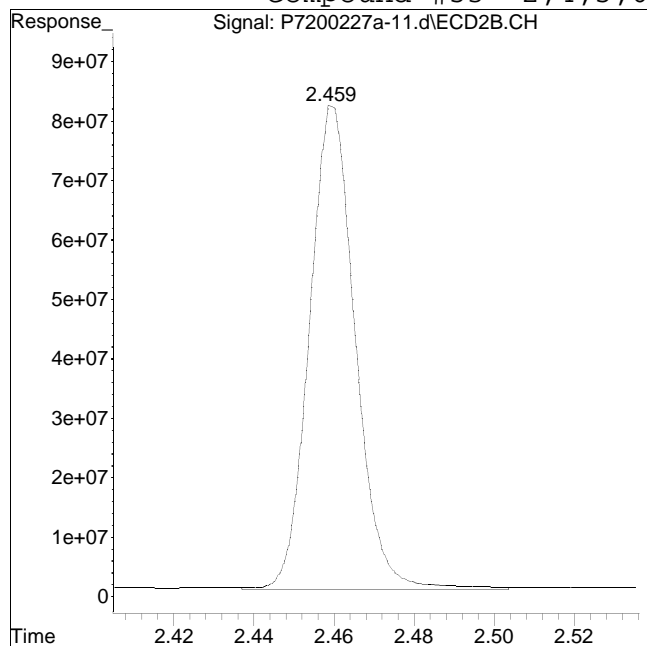
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-11.d
Date Inj'd : 2/27/2020 2:55 pm
Sample : 12008381-04,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 650757712

Manual Peak Response = 637502459 M4

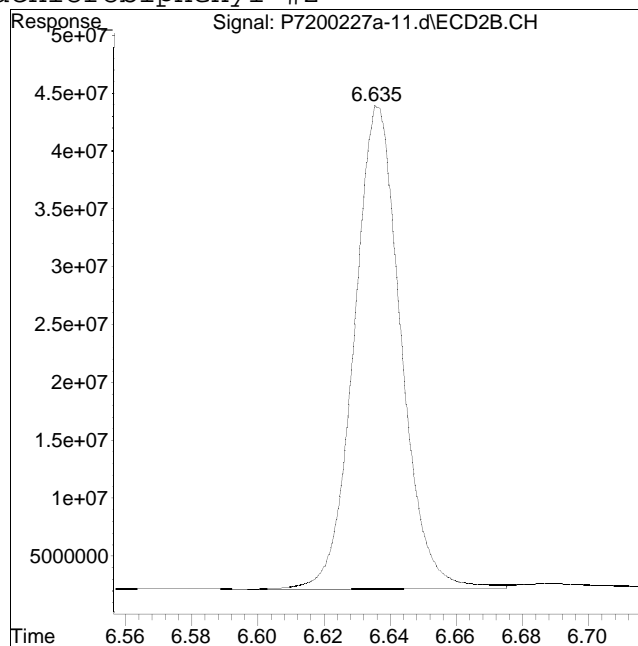
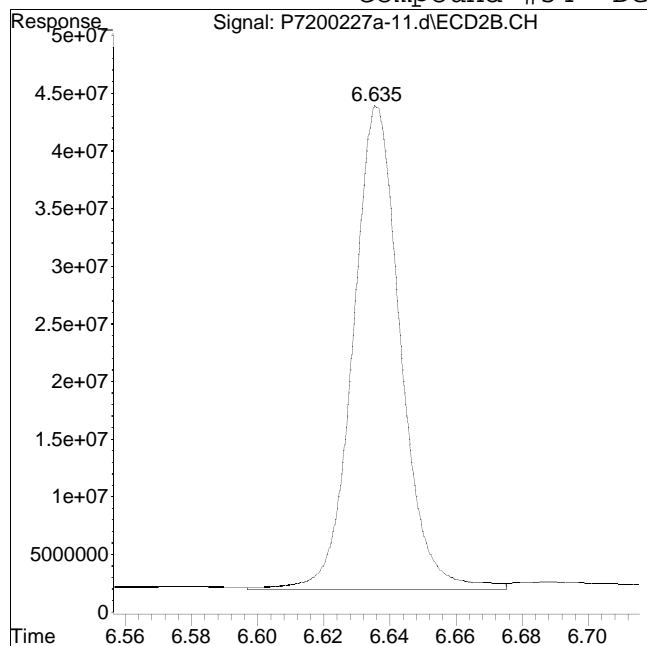
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-11.d
Date Inj'd : 2/27/2020 2:55 pm
Sample : 12008381-04,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 419142817

Manual Peak Response = 409321783 M4

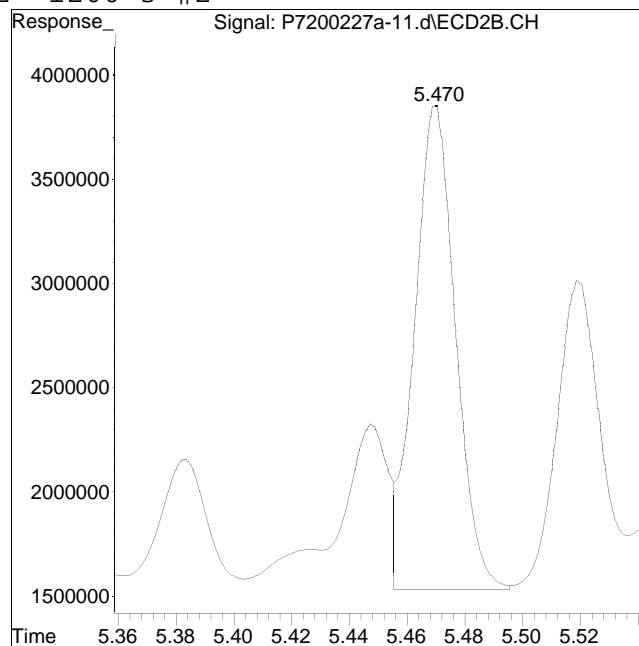
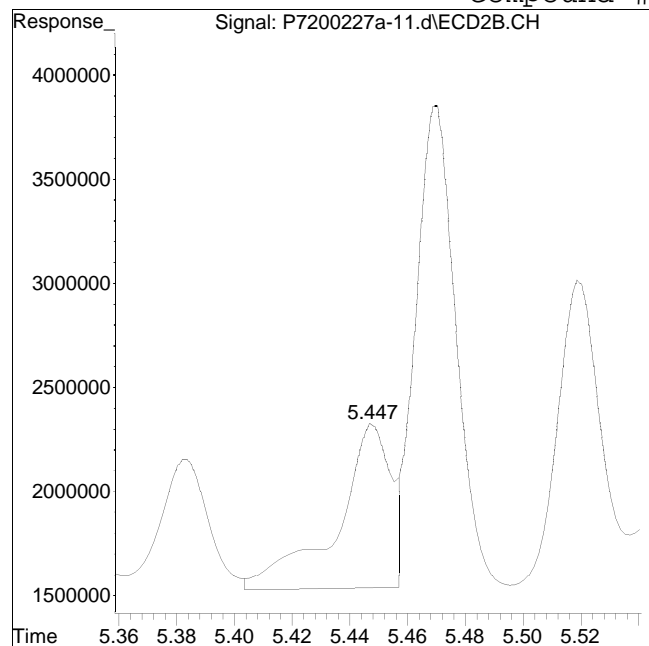
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-11.d
Date Inj'd : 2/27/2020 2:55 pm
Sample : 12008381-04,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #62: 1260-3 #2



Original Peak Response = 9799369

Manual Peak Response = 22964279 M3

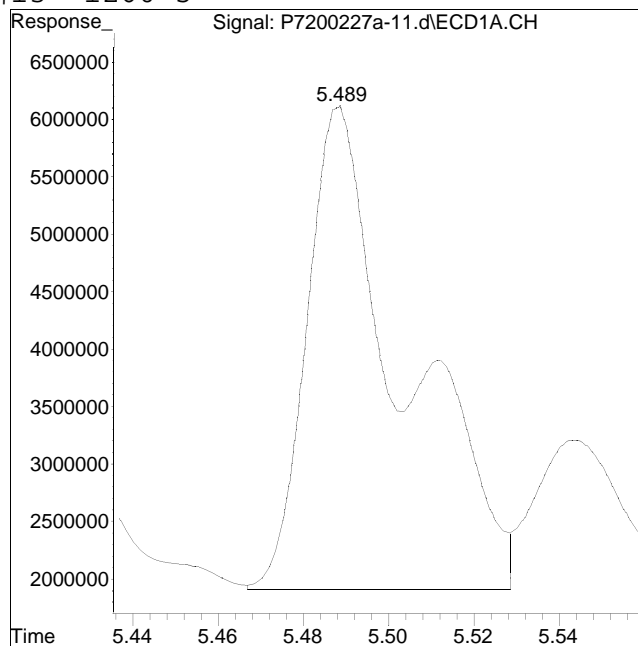
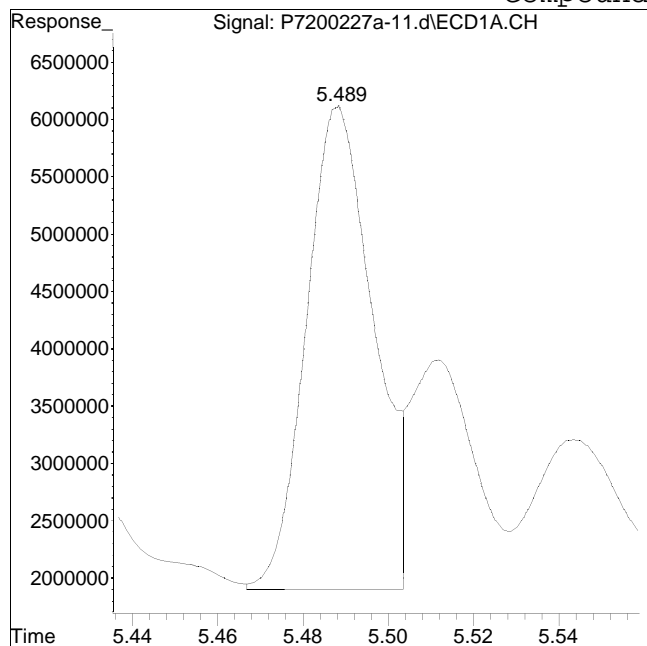
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-11.d
Date Inj'd : 2/27/2020 2:55 pm
Sample : 12008381-04,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #13: 1260-5



Original Peak Response = 45498910

Manual Peak Response = 66364454 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:07 pm
 Operator : pest7:cw
 Sample : l2008381-05,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:55:09 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.889	1.940	454.8E6	357.3E6	250.000M1	250.000M4
Standard Area 1 : #1 = 450981724			Recovery = 100.85%			
Standard Area 1 : #2 = 348675887			Recovery = 102.47%			
14) i 2154_1br2nb	1.889	1.940	454.8E6	357.3E6	250.000M1	250.000M4
23) i 4268_1br2nb	1.889	1.940	454.8E6	357.3E6	250.000M1	250.000M4
34) i 1248_1br2nb	1.889	1.940	454.8E6	357.3E6	250.000M1	250.000M4
40) i 3262_1br2nb	1.889	1.940	454.8E6	357.3E6	250.000M1	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.318	2.459	690.3E6	562.9E6	308.506	325.650M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 61.70% 65.13%			
3) s Decachlorobi	6.221	6.636	501.4E6	387.0E6	337.495	372.470M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 67.50% 74.49%			
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.389	4.787	58185913	45584602	533.619	585.552
10) l2 1260-2	4.599	4.945	123.2E6	73311055	754.393	818.140
11) l2 1260-3	5.072	5.470	57749662	39942231	580.197	548.277

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:07 pm
 Operator : pest7:cw
 Sample : l2008381-05,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:55:09 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	12 1260-4	5.291	5.645	132.5E6	109.6E6	596.558	727.930
13)	12 1260-5	5.487	5.888	117.7E6	79362076	770.764M1	755.399
	Sum 1260-1			489.3E6	347.8E6	3235.531	3435.298
	Average 1260-1					647.106	687.060
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:07 pm
 Operator : pest7:cw
 Sample : l2008381-05,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:55:09 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1	0	0	N.D.	N.D.
Average 1262-1			0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:07 pm
 Operator : pest7:cw
 Sample : l2008381-05,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:55:09 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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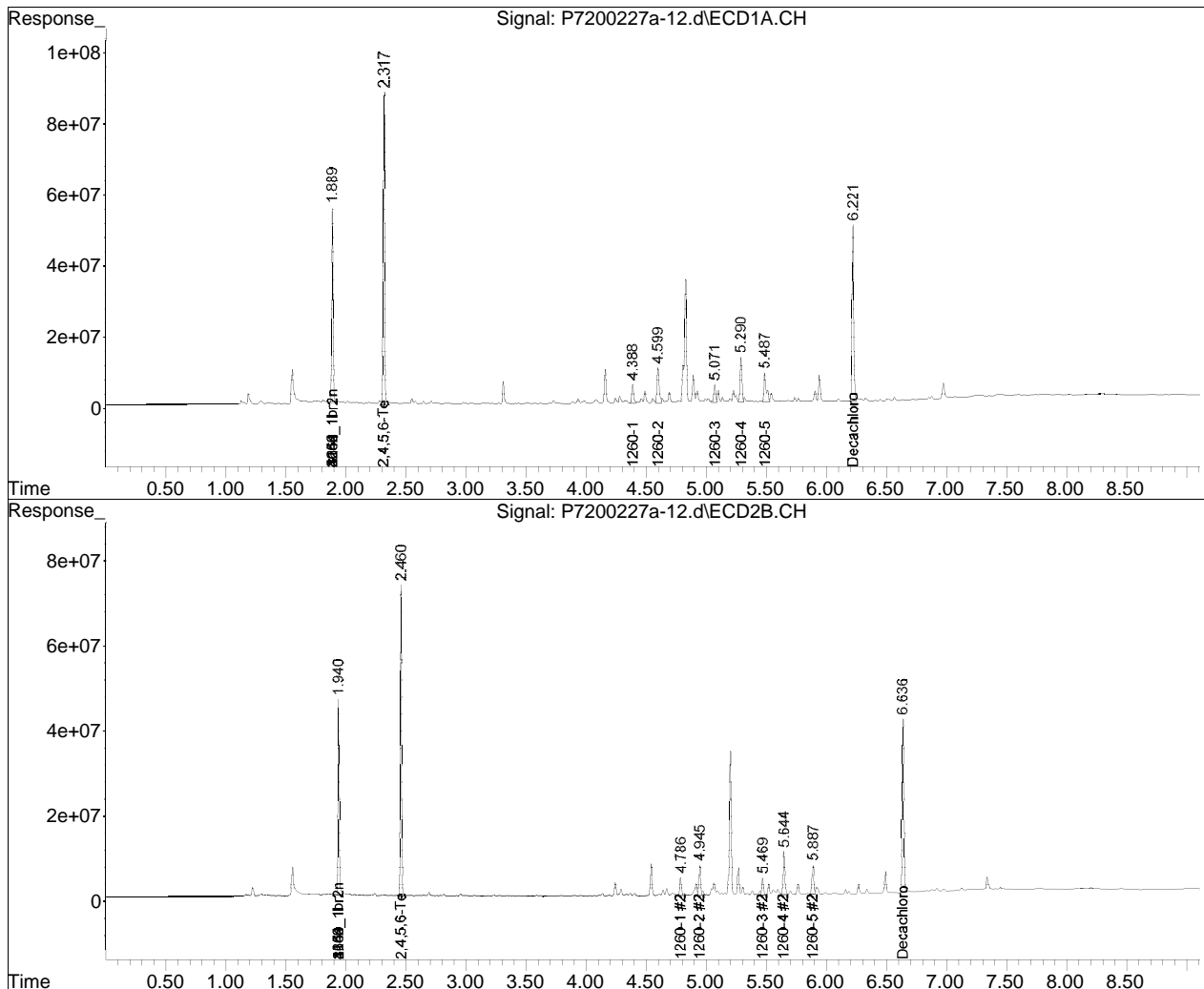
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-03.d••ed)

Data Path : I:\Pest7\200227A\
Data File : P7200227a-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Feb 2020 3:07 pm
Operator : pest7:cw
Sample : l2008381-05,42e,,
Misc : wg1345035,wg1344816,ical15997
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 08:55:09 2020
Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

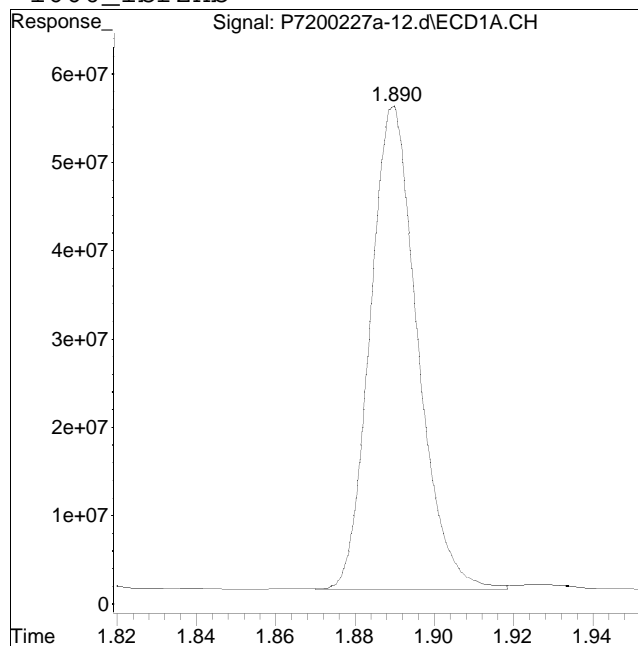
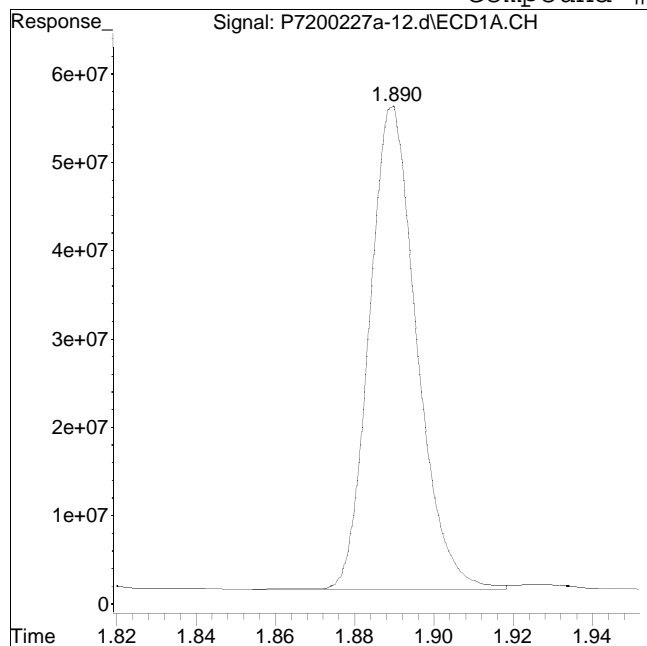


Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-12.d
Date Inj'd : 2/27/2020 3:07 pm
Sample : 12008381-05,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #1: 1660_1br2nb



Original Peak Response = 454789968

Manual Peak Response = 454819932 M1

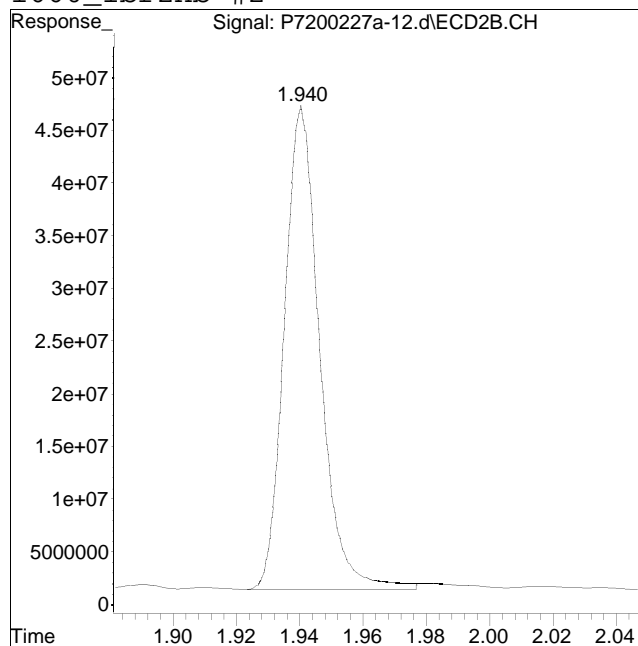
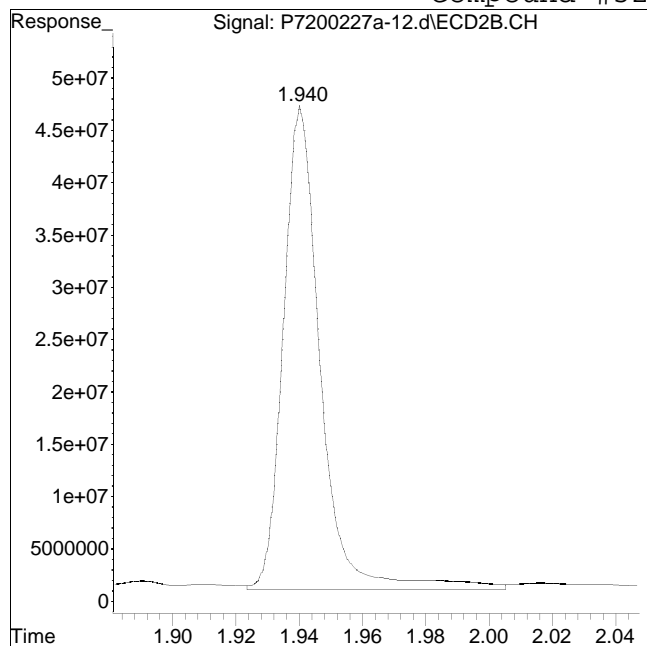
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-12.d
Date Inj'd : 2/27/2020 3:07 pm
Sample : 12008381-05,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 380683779

Manual Peak Response = 357300294 M4

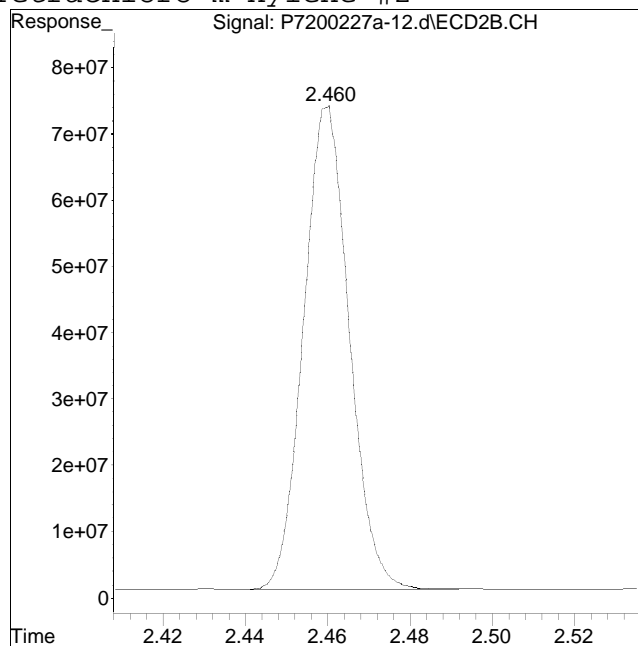
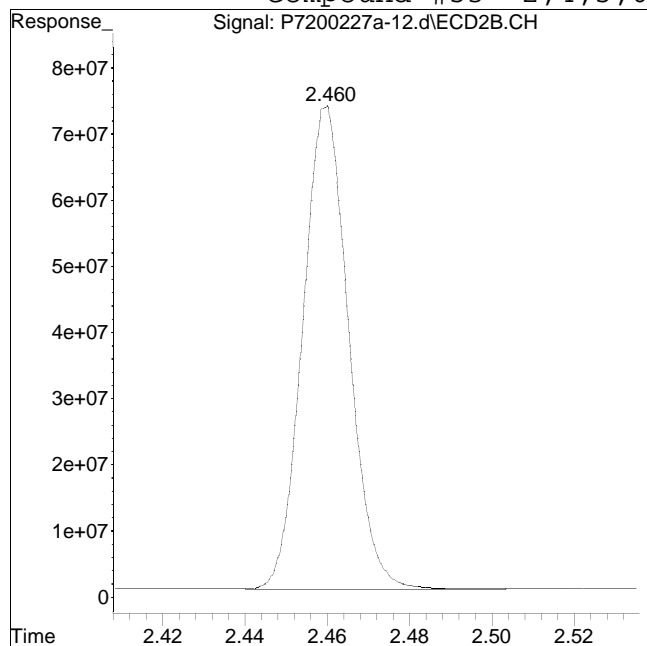
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-12.d
Date Inj'd : 2/27/2020 3:07 pm
Sample : 12008381-05,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 569693253

Manual Peak Response = 562911462 M4

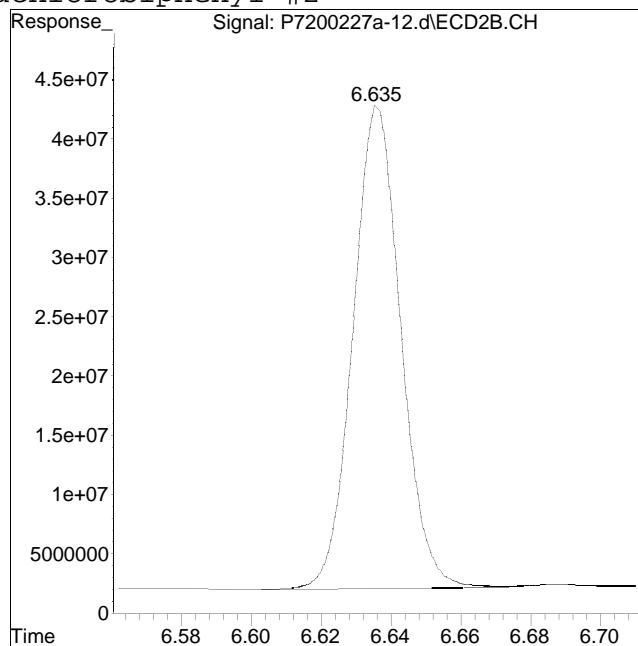
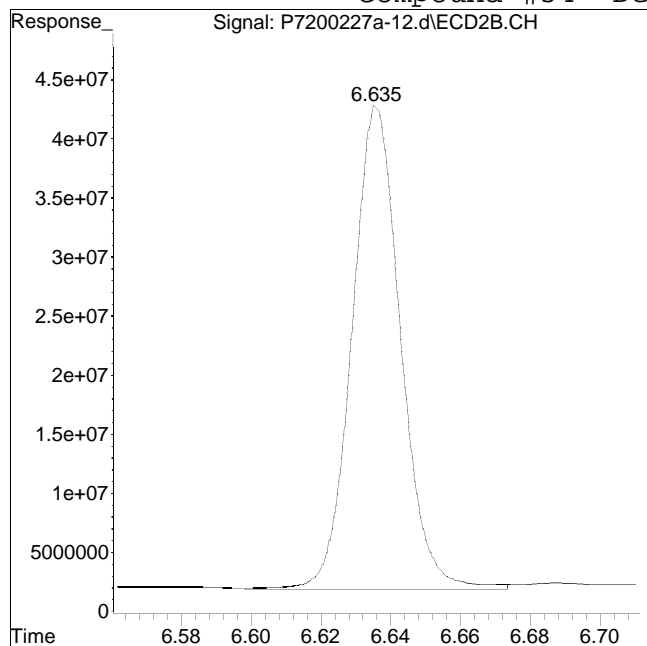
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-12.d
Date Inj'd : 2/27/2020 3:07 pm
Sample : 12008381-05,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 397136023

Manual Peak Response = 386951270 M4

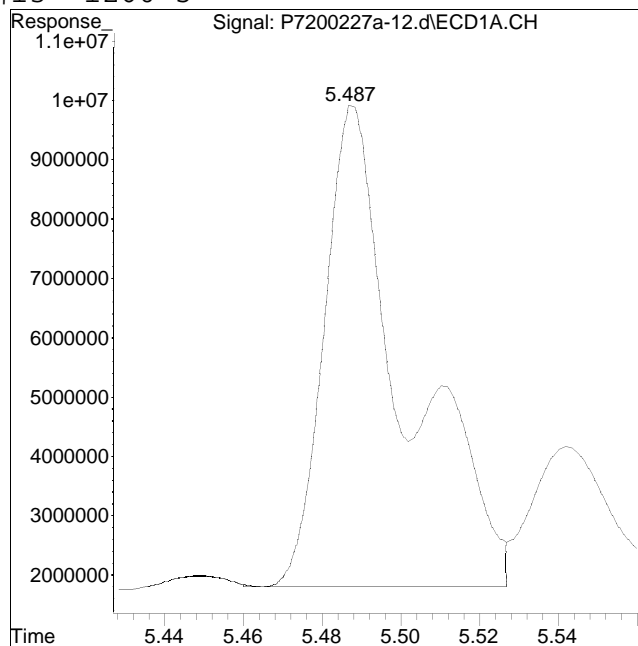
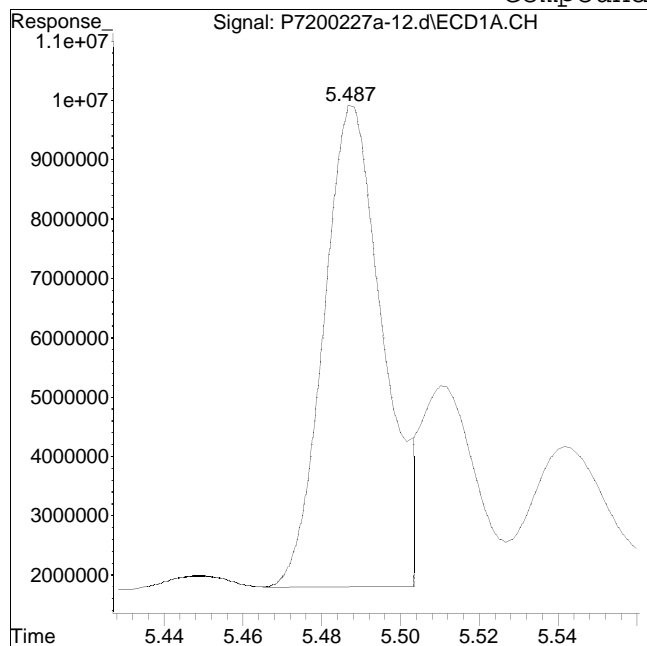
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-12.d
Date Inj'd : 2/27/2020 3:07 pm
Sample : 12008381-05,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #13: 1260-5



Original Peak Response = 82657117

Manual Peak Response = 117682848 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-13.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:19 pm
 Operator : pest7:cw
 Sample : l2008381-06,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:02:26 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.890	1.940	461.7E6	367.6E6	250.000	250.000M4
Standard Area 1 : #1 = 450981724					Recovery =	102.38%
Standard Area 1 : #2 = 348675887					Recovery =	105.42%
14) i 2154_1br2nb	1.890	1.940	461.7E6	367.6E6	250.000	250.000M4
23) i 4268_1br2nb	1.890	1.940	461.7E6	367.6E6	250.000	250.000M4
34) i 1248_1br2nb	1.890	1.940	461.7E6	367.6E6	250.000	250.000M4
40) i 3262_1br2nb	1.890	1.940	461.7E6	367.6E6	250.000	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.319	2.460	707.6E6	564.8E6	311.482	317.631M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		62.30%	63.53%
3) s Decachlorobi	6.223	6.636	470.6E6	370.1E6	312.073	346.295M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		62.41%	69.26%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	5.073	5.470	28366426	19922283	280.726	265.835M3
12) l2 1260-4	5.292	5.646	61953948	50983956	274.741	329.200
13) l2 1260-5	5.488	5.889	50791772	34127430	327.683M1	315.772
Sum 1260-1			141.1E6	105.0E6	883.149	910.807
Average 1260-1					294.383	303.602

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-13.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:19 pm
 Operator : pest7:cw
 Sample : l2008381-06,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:02:26 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	3.729f	4.137	15898959	14153096	198.264M4	229.362M4
19)	14 1254-2	3.934f	4.291	22936538	24999671	162.732M4	351.723M4
20)	14 1254-3	4.247f	4.641	47416829	38457768	351.227M4	356.473M4
21)	14 1254-4	4.461f	4.815	23417904	9716189	219.841M4	135.374M4
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			109.7E6	87326723	932.064	1072.932
	Average 1254-1					233.016	268.233
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-13.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:19 pm
 Operator : pest7:cw
 Sample : l2008381-06,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:02:26 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-13.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:19 pm
 Operator : pest7:cw
 Sample : l2008381-06,42e,,
 Misc : wg1345035,wg1344816,ical15997
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:02:26 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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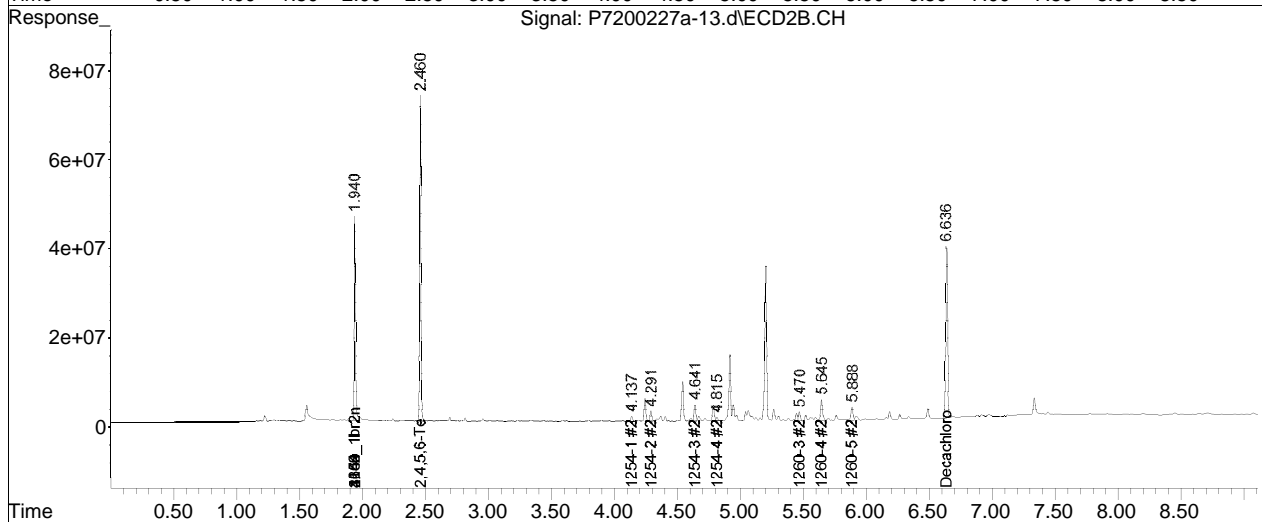
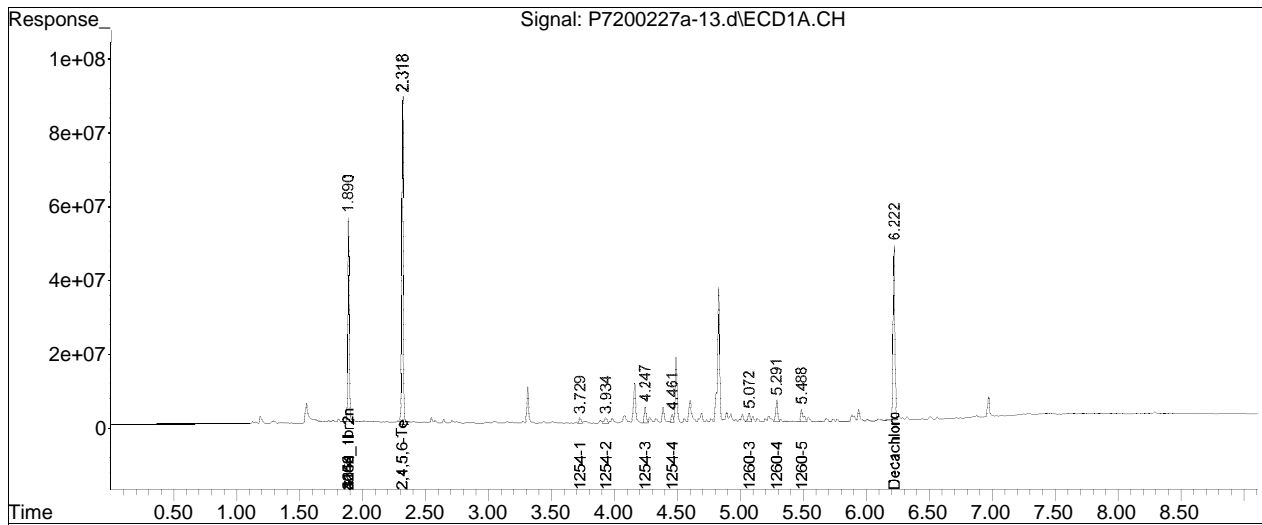
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-03.d••ed)

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Feb 2020 3:19 pm
Operator : pest7:cw
Sample : l2008381-06,42e,,
Misc : wg1345035,wg1344816,ical15997
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 09:02:26 2020
Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

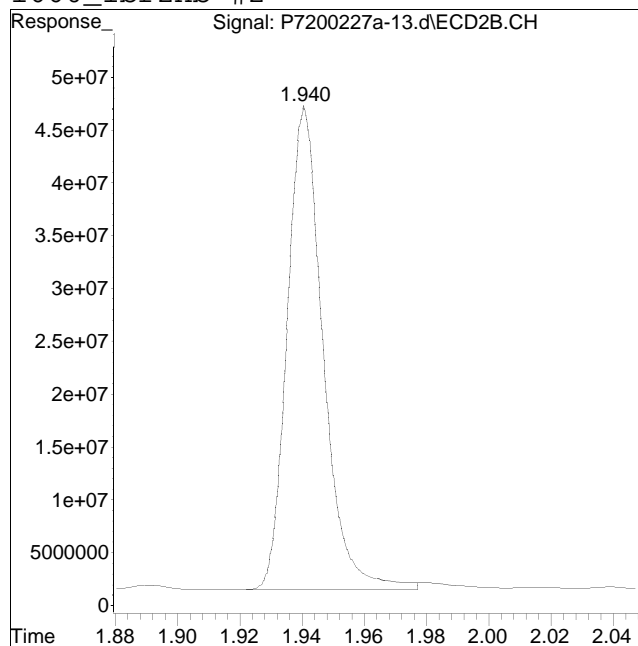
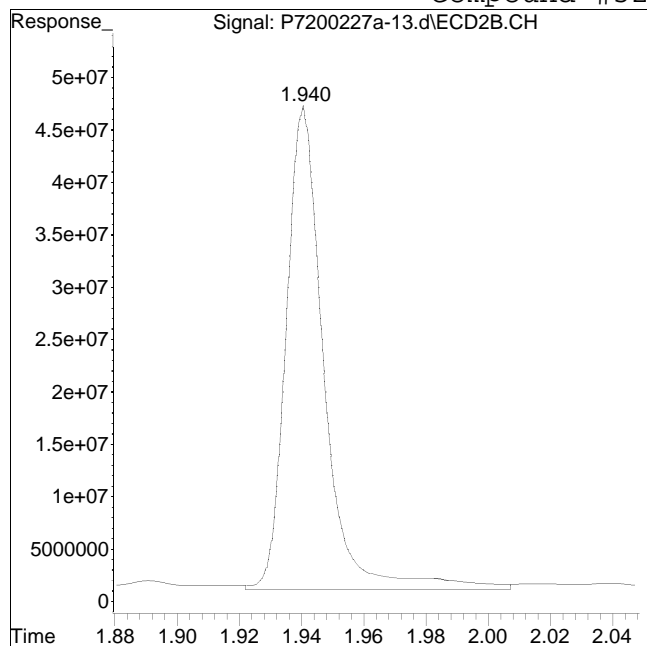


Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 394172315

Manual Peak Response = 367559306 M4

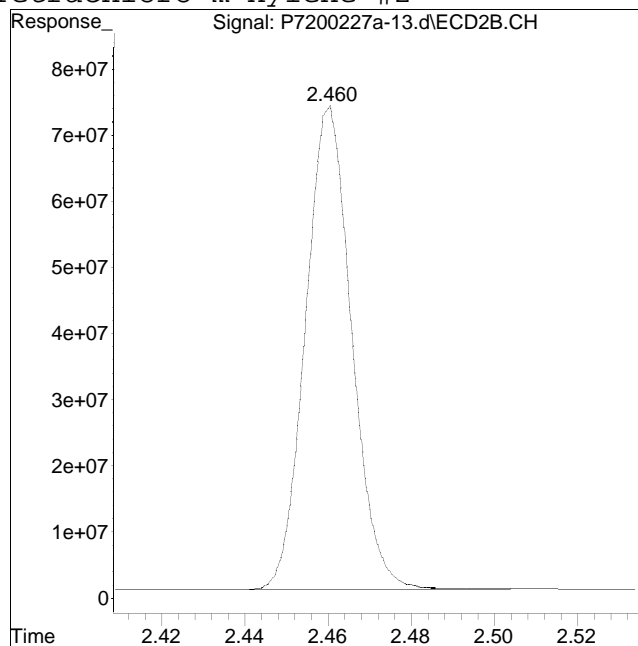
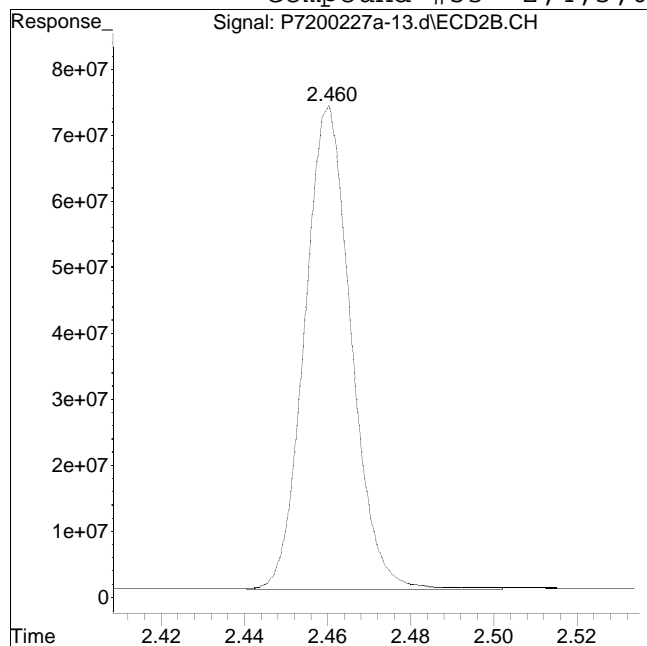
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 571531177

Manual Peak Response = 564815812 M4

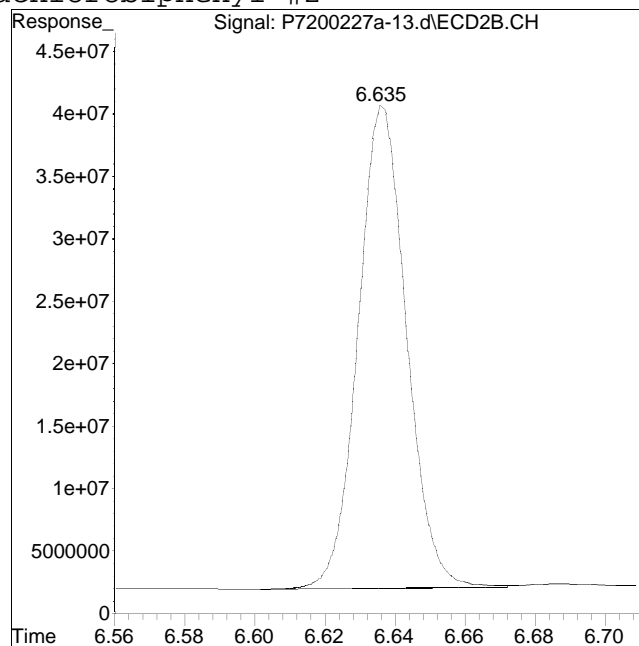
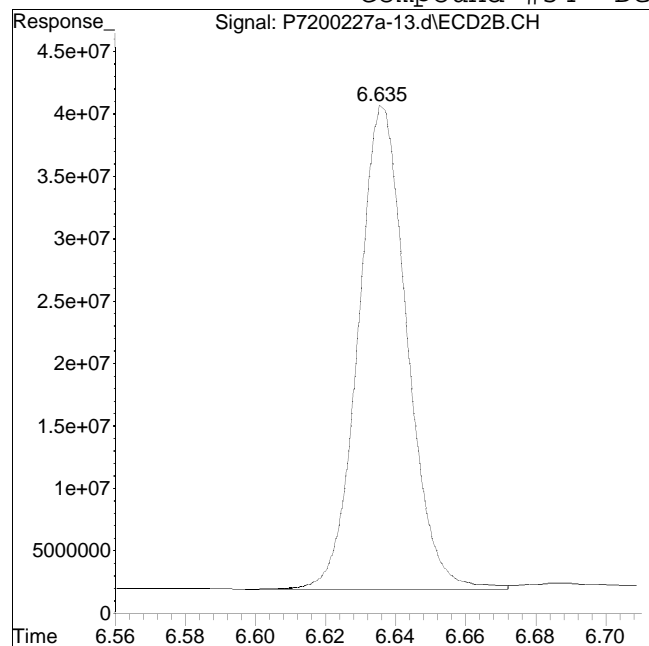
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 375884146

Manual Peak Response = 370089033 M4

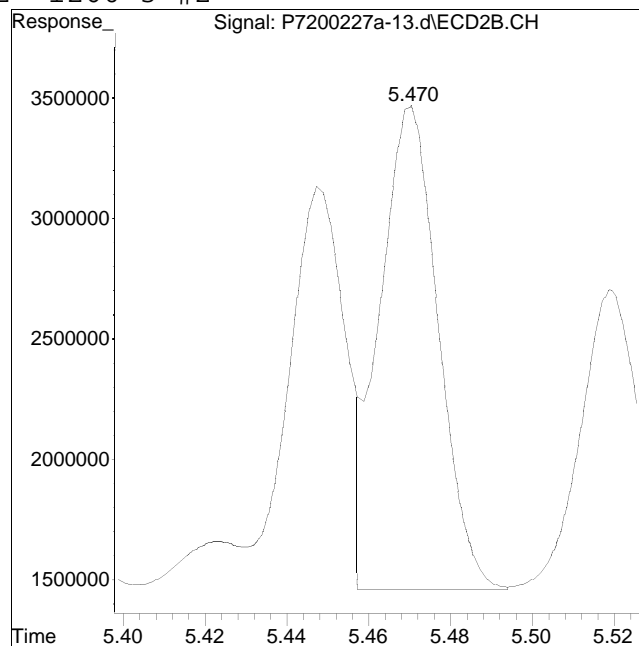
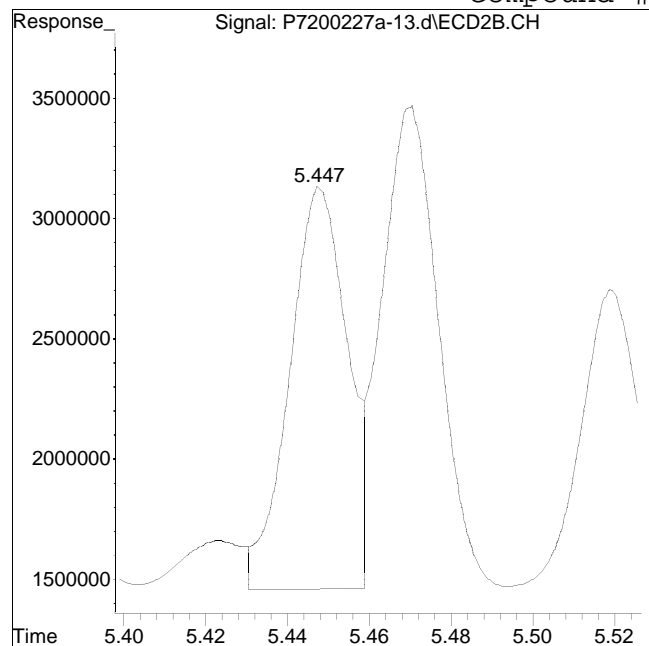
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #62: 1260-3 #2



Original Peak Response = 16216356

Manual Peak Response = 19922283 M3

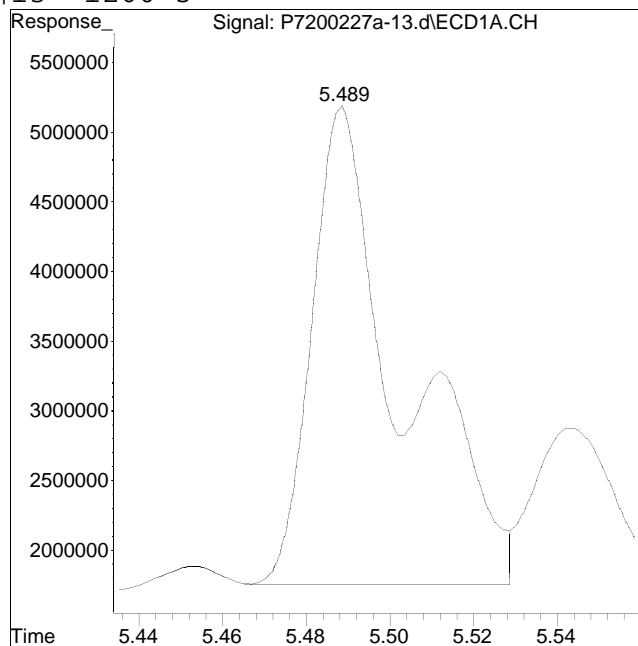
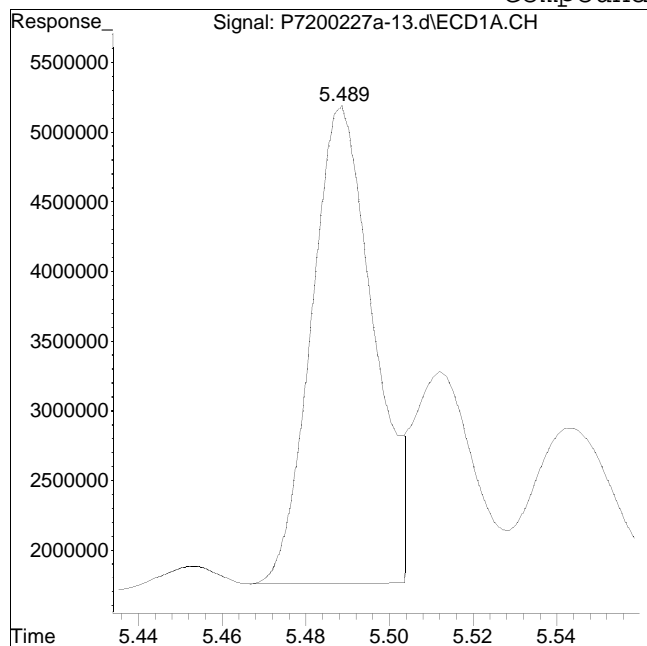
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #13: 1260-5



Original Peak Response = 34843235

Manual Peak Response = 50791772 M1

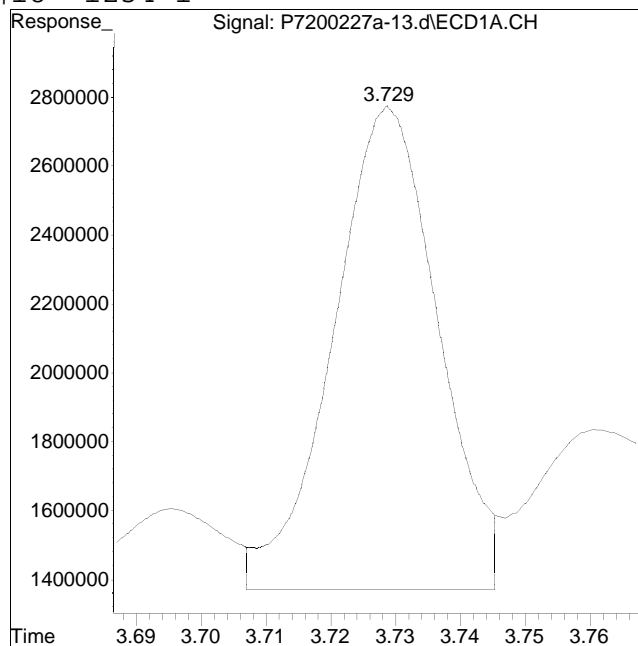
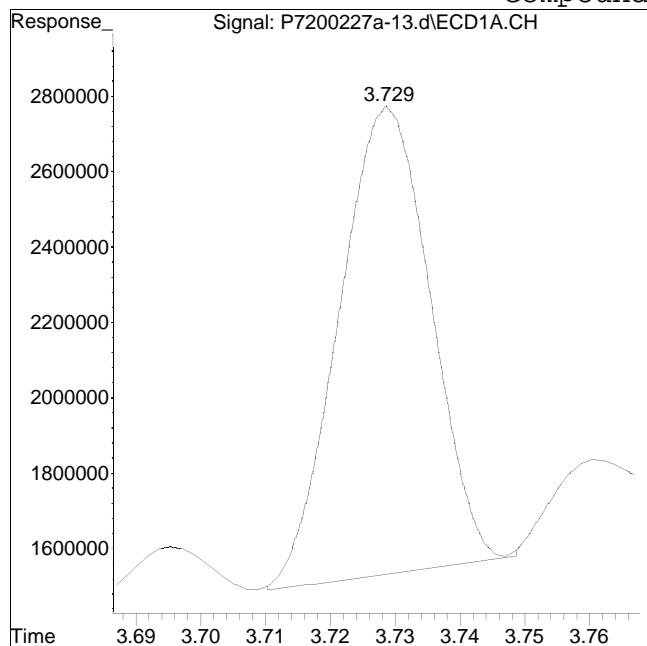
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #18: 1254-1



Original Peak Response = 12006039

Manual Peak Response = 15898959 M4

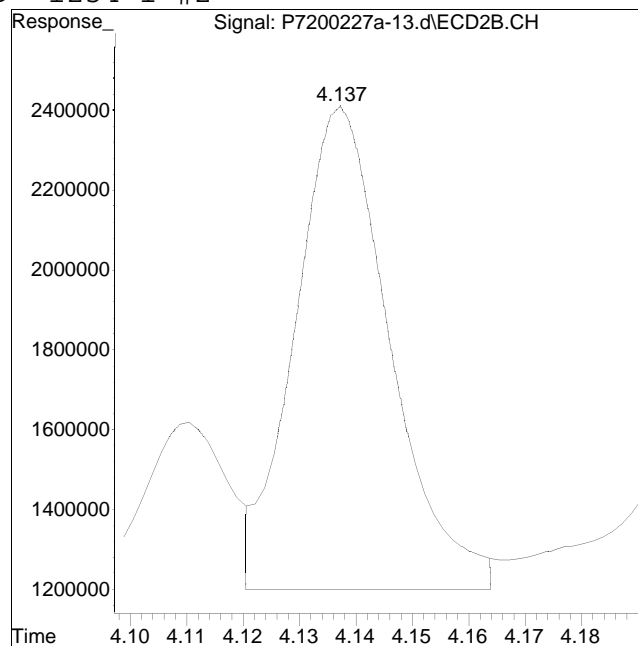
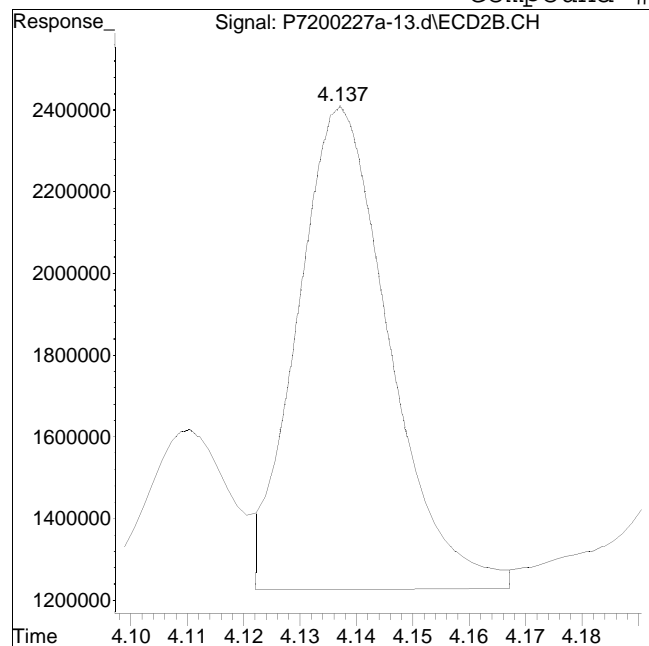
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #69: 1254-1 #2



Original Peak Response = 13517257

Manual Peak Response = 14153096 M4

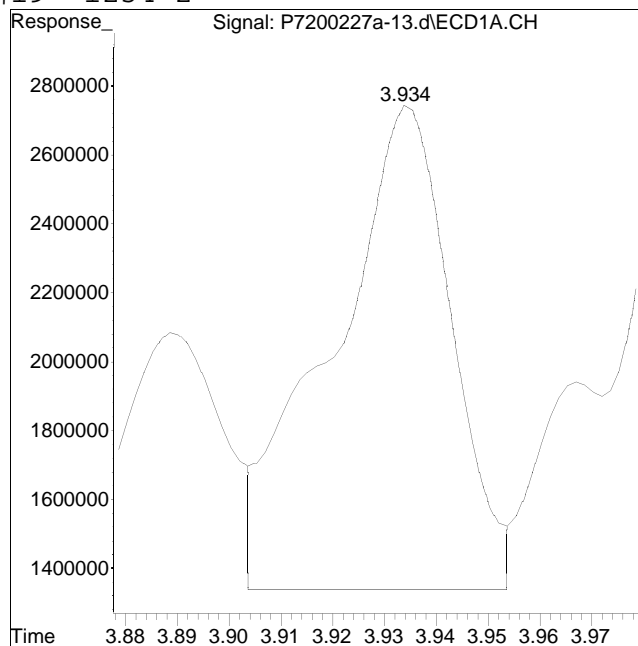
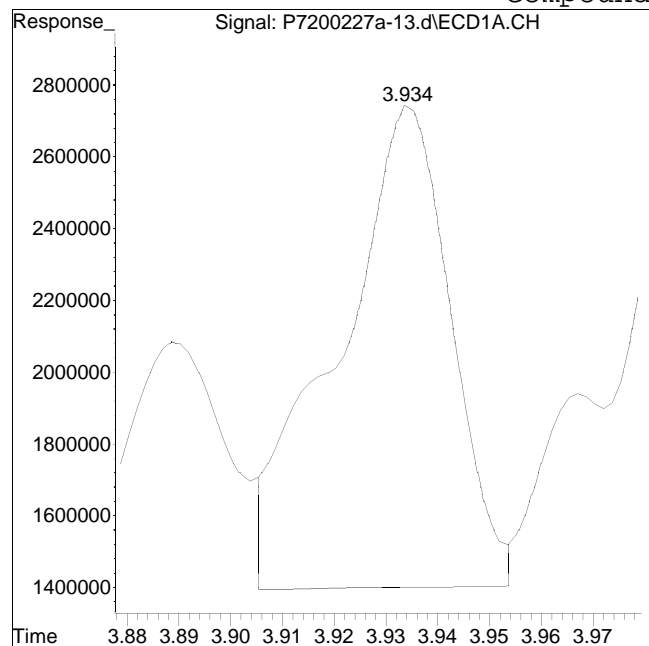
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #19: 1254-2



Original Peak Response = 20704513

Manual Peak Response = 22936538 M4

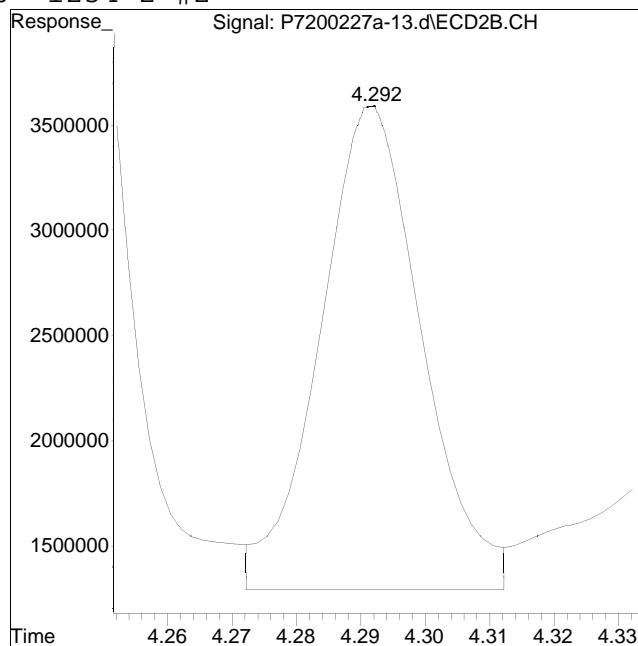
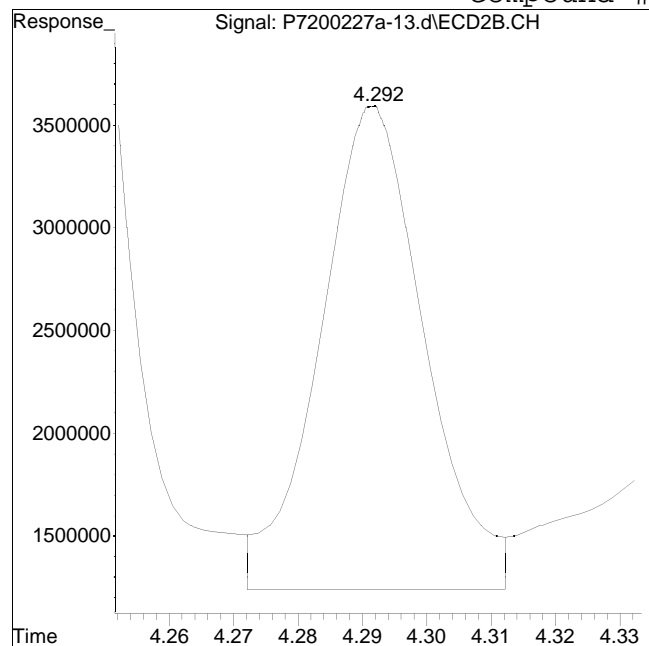
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #70: 1254-2 #2



Original Peak Response = 26579604

Manual Peak Response = 24999671 M4

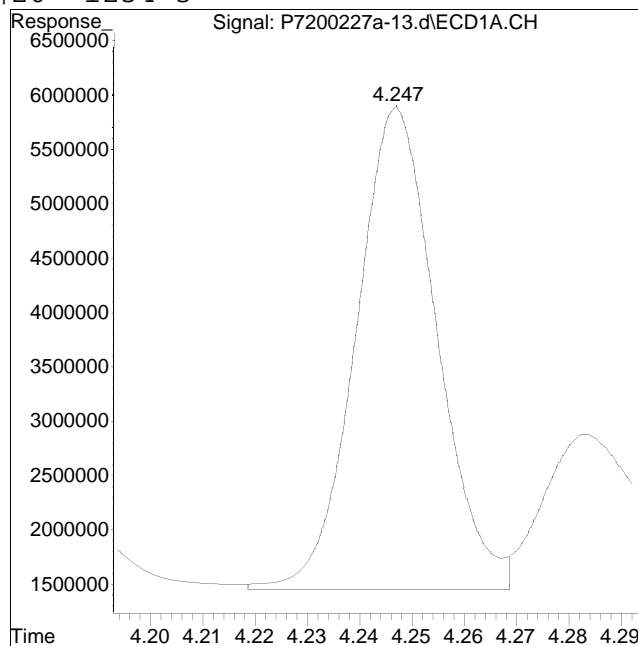
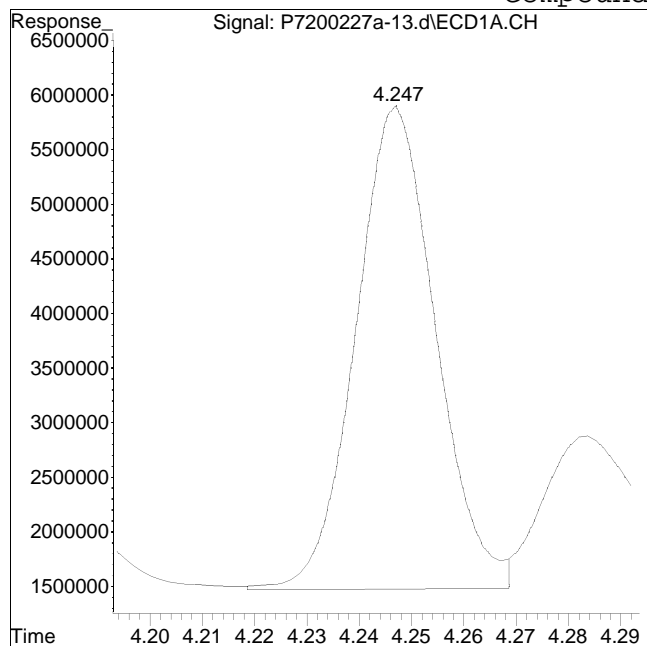
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #20: 1254-3



Original Peak Response = 46672291

Manual Peak Response = 47416829 M4

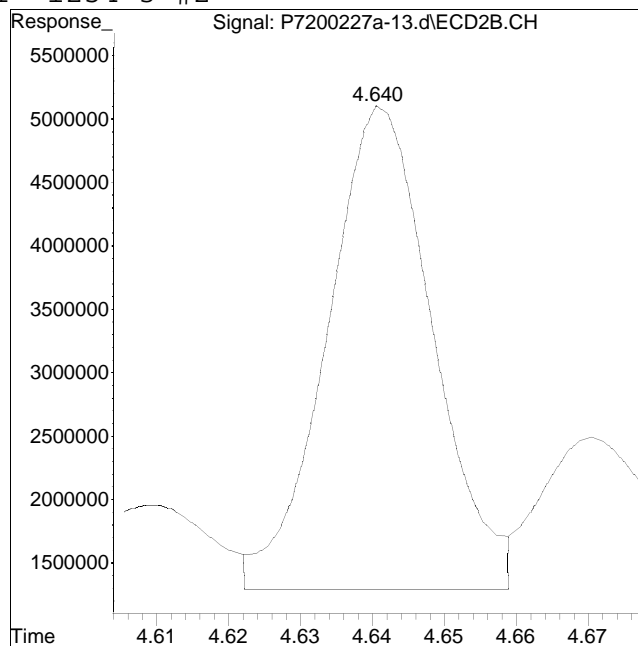
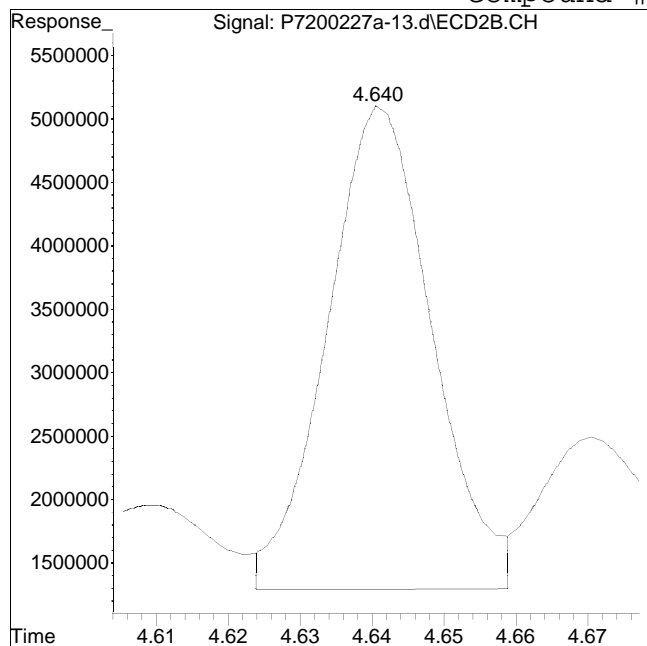
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #71: 1254-3 #2



Original Peak Response = 38586477

Manual Peak Response = 38457768 M4

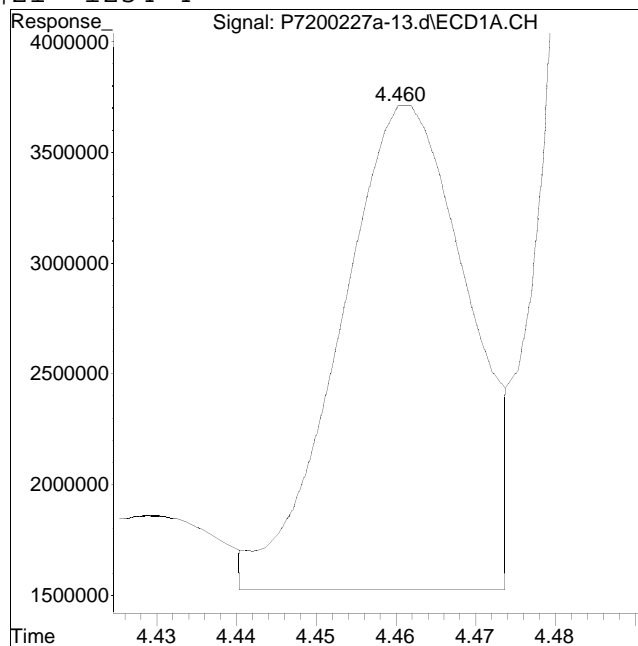
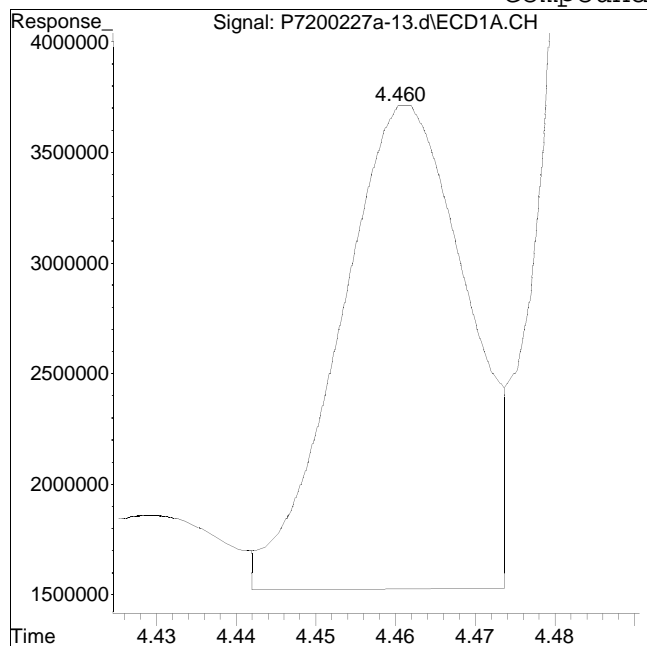
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #21: 1254-4



Original Peak Response = 23917642

Manual Peak Response = 23417904 M4

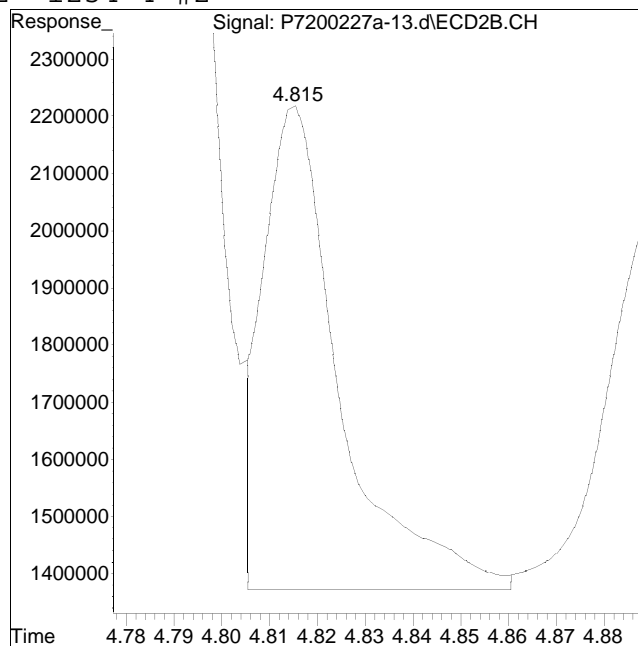
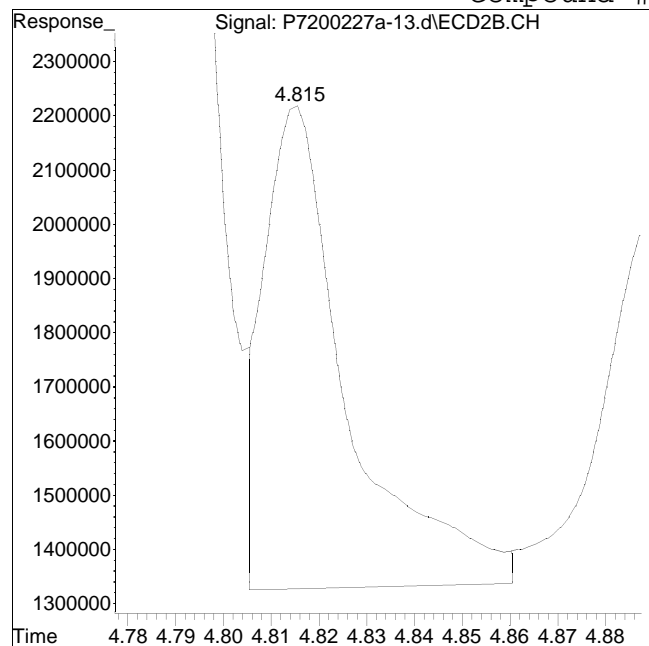
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-13.d
Date Inj'd : 2/27/2020 3:19 pm
Sample : 12008381-06,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #72: 1254-4 #2



Original Peak Response = 11104605

Manual Peak Response = 9716189 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-14.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:32 pm
 Operator : pest7:cw
 Sample : l2008381-07,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:04:05 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.890	1.940	467.1E6	376.6E6	250.000M1	250.000M4
Standard Area 1 : #1 = 450981724			Recovery = 103.57%			
Standard Area 1 : #2 = 348675887			Recovery = 108.02%			
14) i 2154_1br2nb	1.890	1.940	467.1E6	376.6E6	250.000M1	250.000M4
23) i 4268_1br2nb	1.890	1.940	467.1E6	376.6E6	250.000M1	250.000M4
34) i 1248_1br2nb	1.890	1.940	467.1E6	376.6E6	250.000M1	250.000M4
40) i 3262_1br2nb	1.890	1.940	467.1E6	376.6E6	250.000M1	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.319	2.459	761.3E6	605.5E6	331.307	332.297M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 66.26% 66.46%			
3) s Decachlorobi	6.222	6.637	504.0E6	392.3E6	330.407M4	358.252M4
Spiked Amount 500.000 Range 30 - 150			Recovery = 66.08% 71.65%			
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-14.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:32 pm
 Operator : pest7:cw
 Sample : l2008381-07,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:04:05 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11)	12 1260-3	5.073	5.469	28286073	18200653	276.730	237.018M3
12)	12 1260-4	5.291	5.646	54889107	45684430	240.628M4	287.882
13)	12 1260-5	5.488	5.888	44484437	29937867	283.710M1	270.340
	Sum 1260-1			127.7E6	93822950	801.068	795.240
	Average 1260-1					267.023	265.080
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	3.730f	4.138	33879152	32092241	417.652	507.564
19)	14 1254-2	3.935f	4.292	47919218	47755780	336.094	655.712
20)	14 1254-3	4.248f	4.642	68340186	56076338	500.423	507.274
21)	14 1254-4	4.463f	4.815	25634190	15751095	237.896	214.175
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			175.8E6	151.7E6	1492.065	1884.726
	Average 1254-1					373.016	471.181
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-14.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:32 pm
 Operator : pest7:cw
 Sample : l2008381-07,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:04:05 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-14.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:32 pm
 Operator : pest7:cw
 Sample : l2008381-07,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:04:05 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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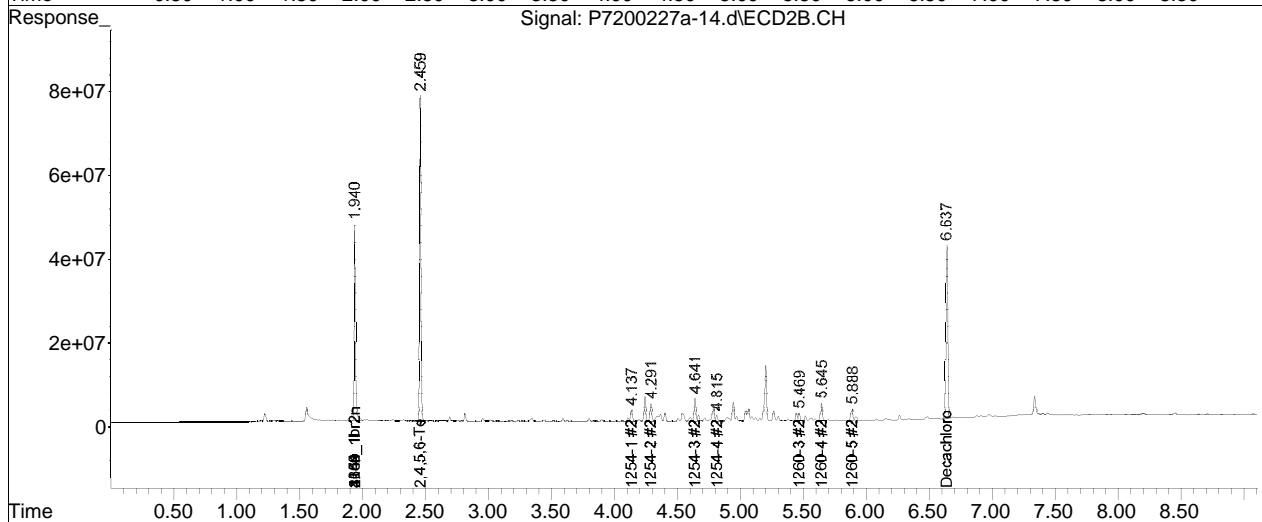
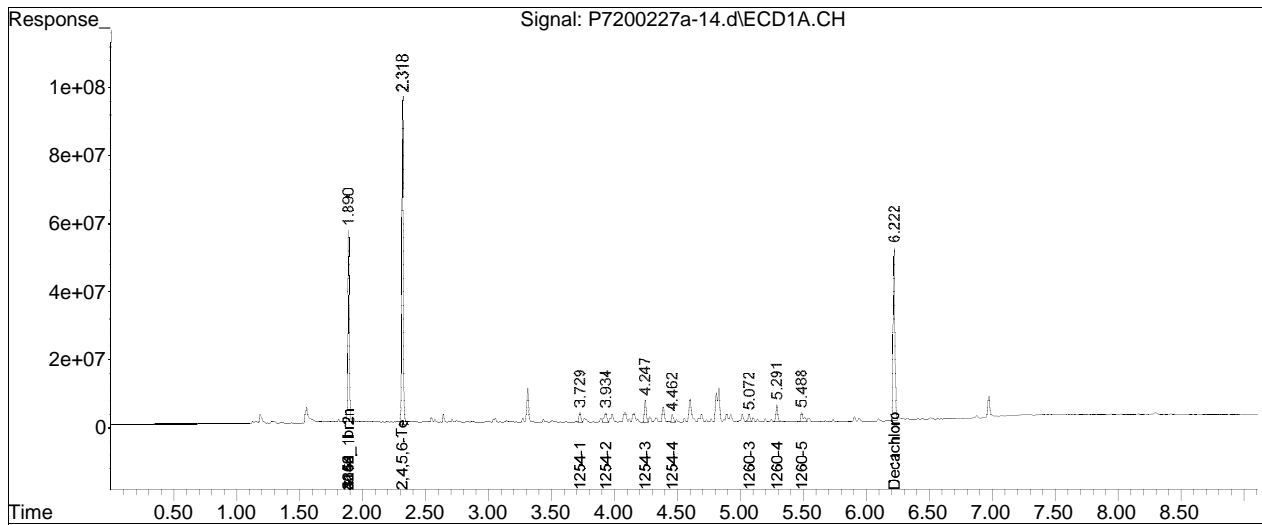
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-03.d••ed)

Data Path : I:\Pest7\200227A\
Data File : P7200227a-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Feb 2020 3:32 pm
Operator : pest7:cw
Sample : l2008381-07,42e,,
Misc : wg1345035,wg1344816,ical15997
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 09:04:05 2020
Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

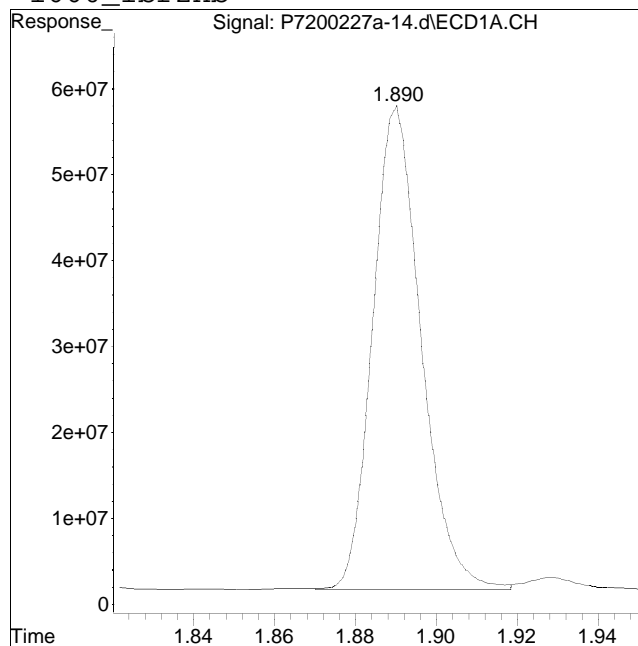
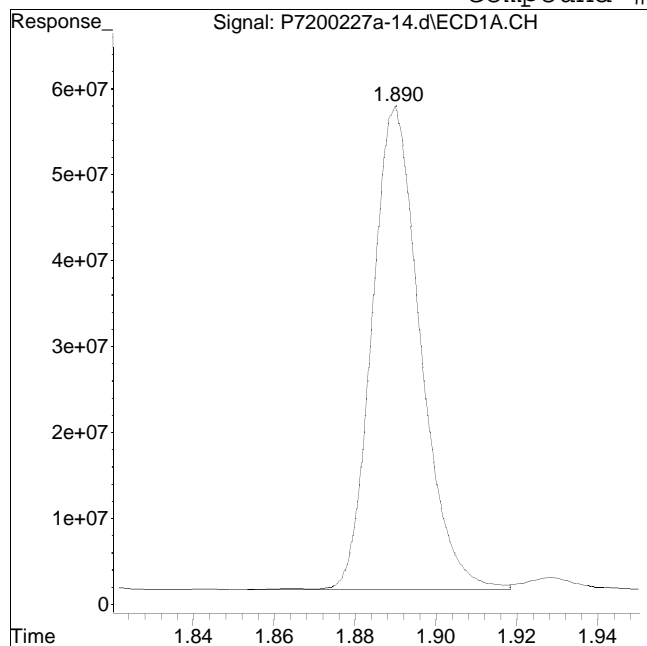


Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-14.d
Date Inj'd : 2/27/2020 3:32 pm
Sample : 12008381-07,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #1: 1660_1br2nb



Original Peak Response = 466962763

Manual Peak Response = 467069342 M1

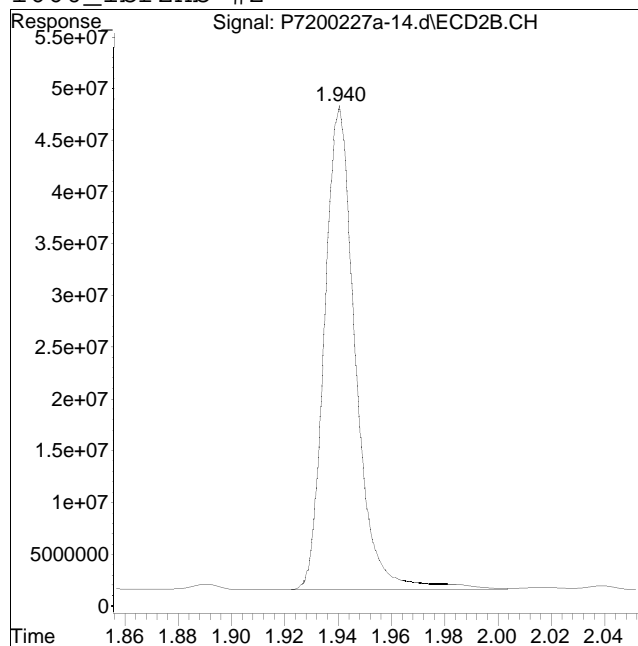
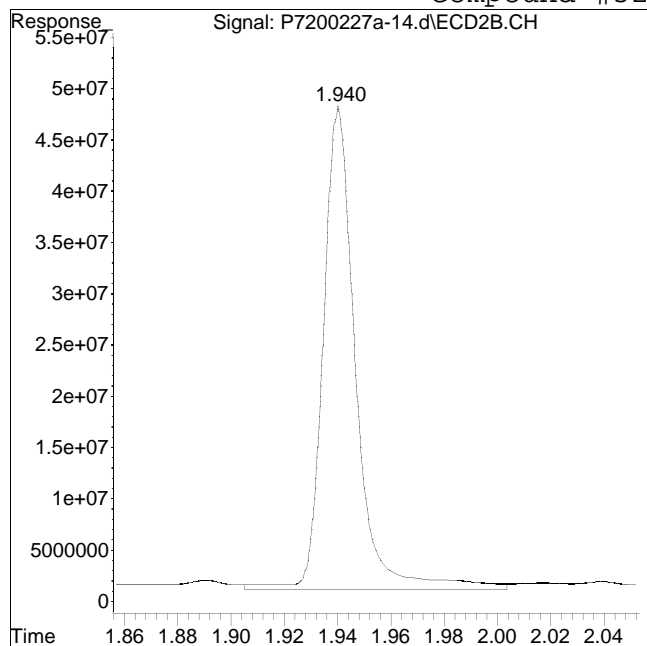
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-14.d
Date Inj'd : 2/27/2020 3:32 pm
Sample : 12008381-07,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 403677165

Manual Peak Response = 376623110 M4

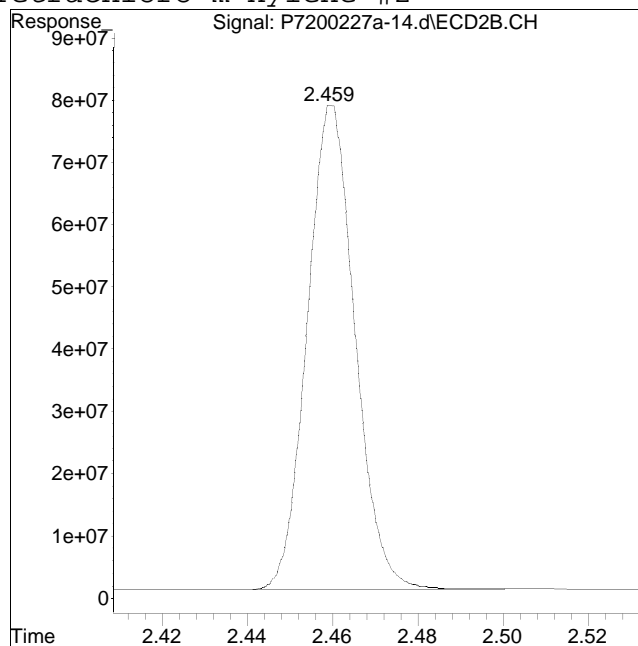
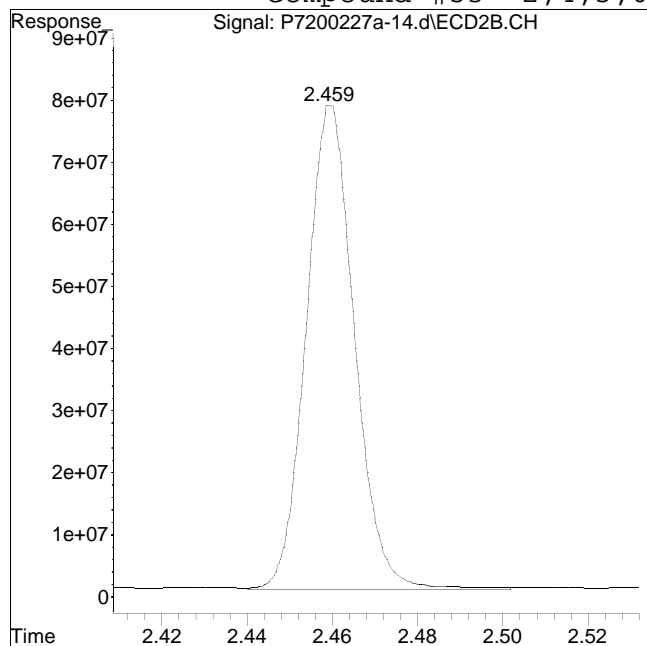
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-14.d
Date Inj'd : 2/27/2020 3:32 pm
Sample : 12008381-07,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 614652659

Manual Peak Response = 605464904 M4

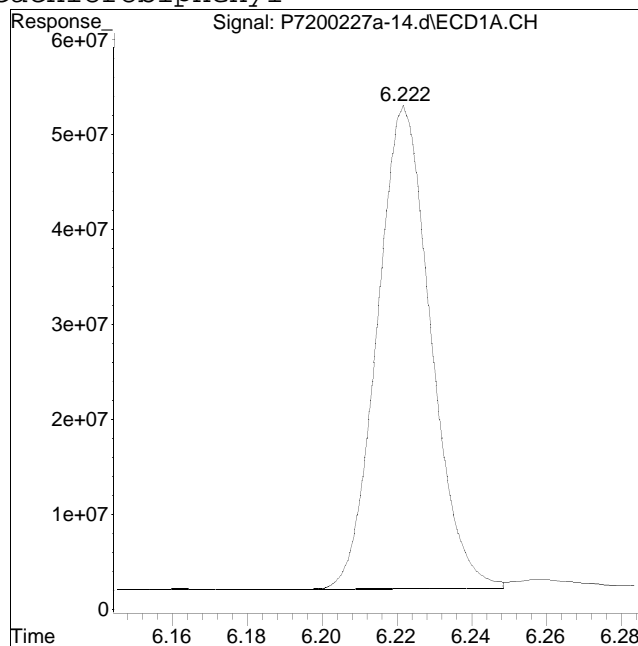
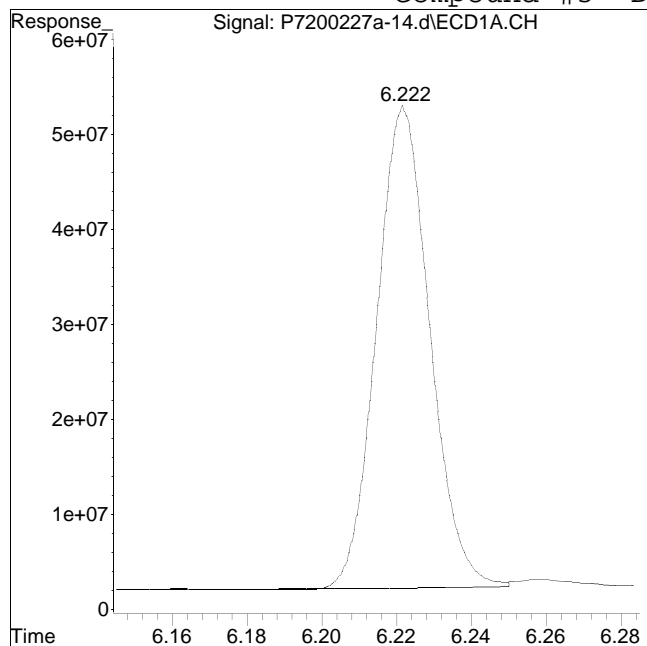
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-14.d
Date Inj'd : 2/27/2020 3:32 pm
Sample : 12008381-07,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 500145497

Manual Peak Response = 504040127 M4

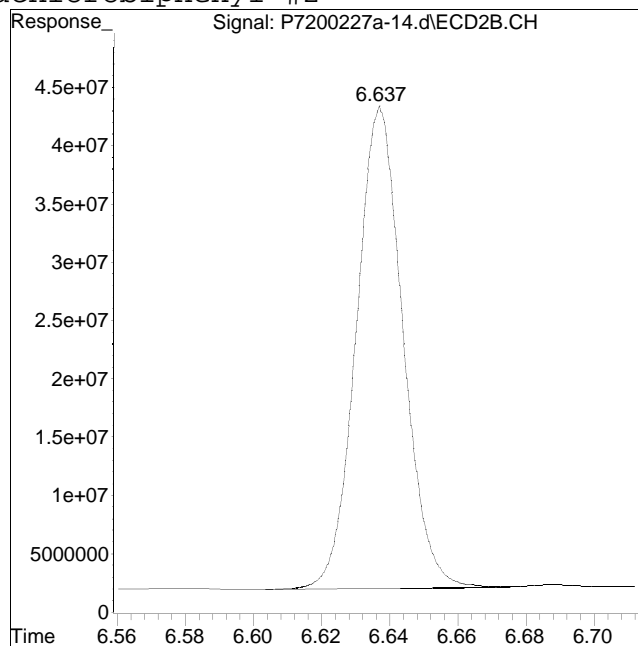
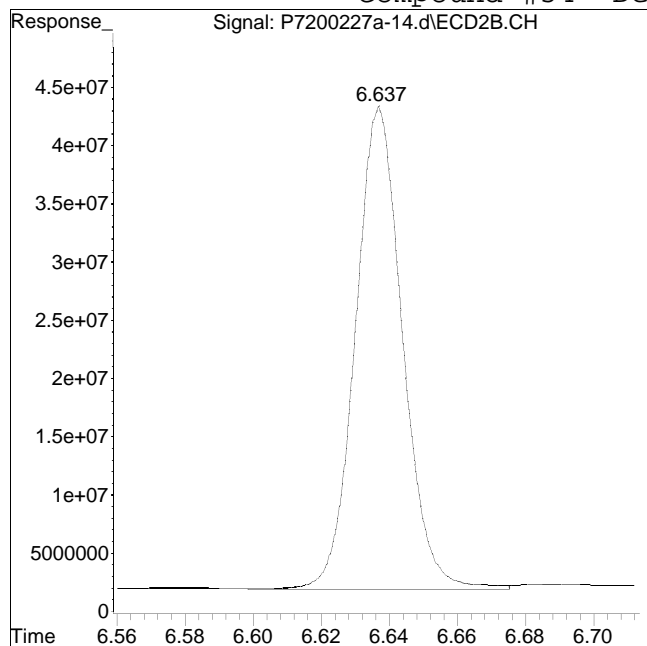
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-14.d
Date Inj'd : 2/27/2020 3:32 pm
Sample : 12008381-07,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 400085407

Manual Peak Response = 392308032 M4

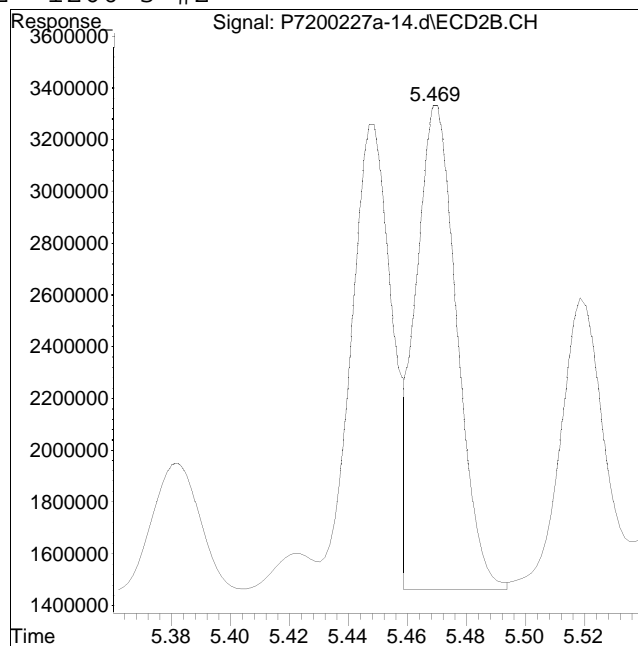
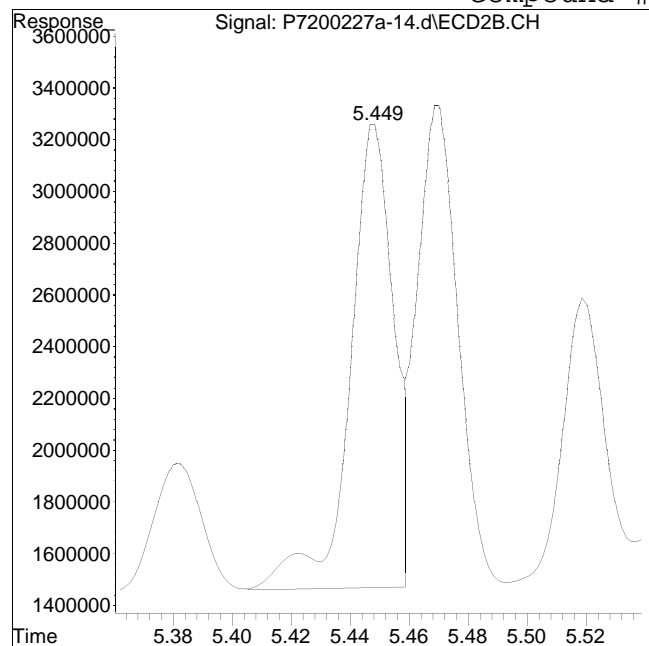
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-14.d
Date Inj'd : 2/27/2020 3:32 pm
Sample : 12008381-07,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #62: 1260-3 #2



Original Peak Response = 18032534

Manual Peak Response = 18200653 M3

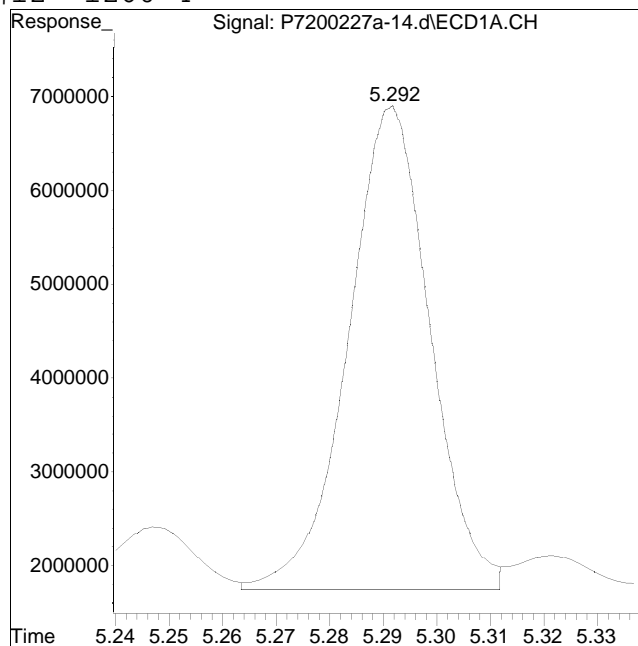
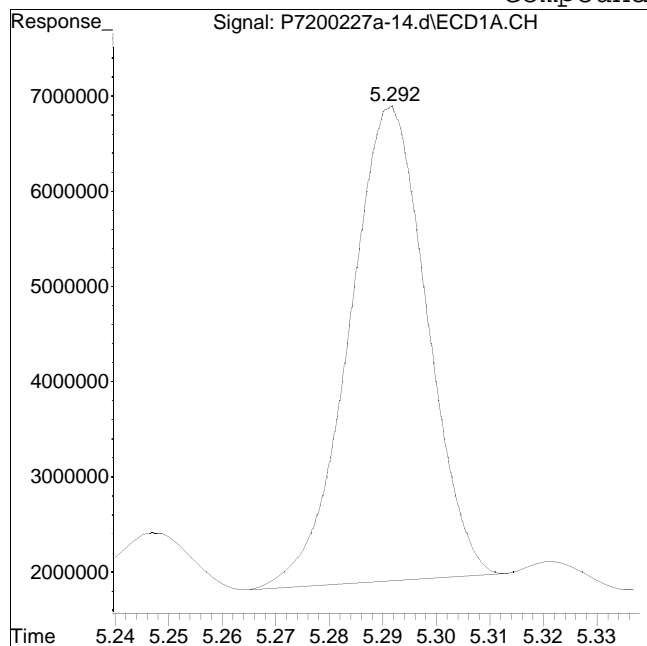
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-14.d
Date Inj'd : 2/27/2020 3:32 pm
Sample : 12008381-07,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #12: 1260-4



Original Peak Response = 50112705

Manual Peak Response = 54889107 M4

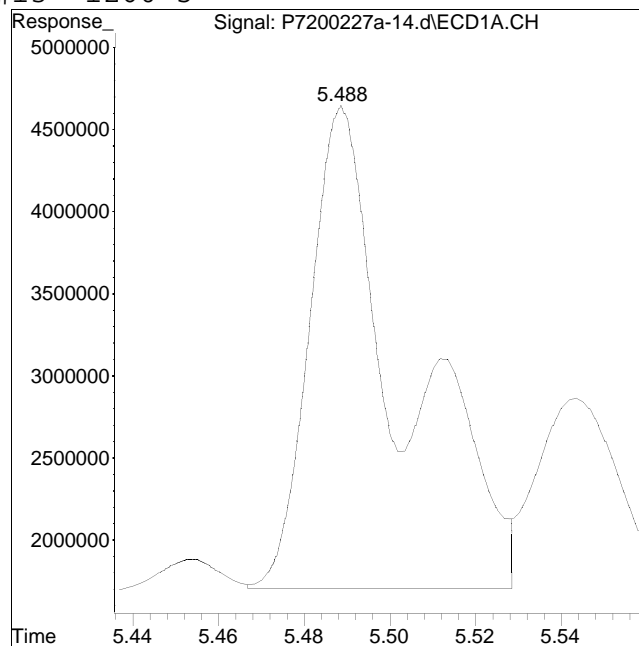
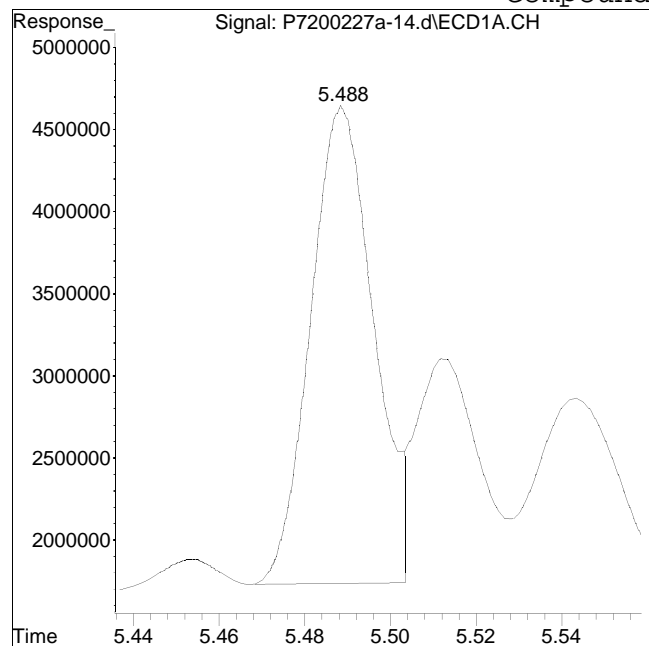
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-14.d
Date Inj'd : 2/27/2020 3:32 pm
Sample : 12008381-07,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #13: 1260-5



Original Peak Response = 29301581

Manual Peak Response = 44484437 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:44 pm
 Operator : pest7:cw
 Sample : l2008381-08,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:06:26 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.890	1.941	469.7E6	389.4E6	250.000	250.000
Standard Area 1 : #1 = 450981724					Recovery =	104.15%
Standard Area 1 : #2 = 348675887					Recovery =	111.69%
14) i 2154_1br2nb	1.890	1.941	469.7E6	389.4E6	250.000	250.000
23) i 4268_1br2nb	1.890	1.941	469.7E6	389.4E6	250.000	250.000
34) i 1248_1br2nb	1.890	1.941	469.7E6	389.4E6	250.000	250.000
40) i 3262_1br2nb	1.890	1.941	469.7E6	389.4E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.318	2.459	739.6E6	595.2E6	320.053	315.907M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	64.01% 63.18%
3) s Decachlorobi	6.221	6.637	480.2E6	371.7E6	313.045M4	328.264M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	62.61% 65.65%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.389	4.787	79900469	63025507	709.544	742.779
10) l2 1260-2	4.601	4.945	144.2E6	79019826	855.286	809.079
11) l2 1260-3	5.072	5.470	66968450	44802559	651.498	564.244M3
12) l2 1260-4	5.291	5.645	145.9E6	114.8E6	636.091	699.435
13) l2 1260-5	5.488	5.889	112.6E6	78254035	714.010M1	683.387
Sum 1260-1			549.6E6	379.9E6	3566.428	3498.925
Average 1260-1					713.286	699.785

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:44 pm
 Operator : pest7:cw
 Sample : l2008381-08,42e,,
 Misc : wgl1345035,wgl1344816,ical15997
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:06:26 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D.	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:44 pm
 Operator : pest7:cw
 Sample : l2008381-08,42e,,
 Misc : wgl1345035,wgl1344816,ical15997
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:06:26 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-15.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:44 pm
 Operator : pest7:cw
 Sample : l2008381-08,42e,,
 Misc : wgl1345035,wgl1344816,ical15997
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:06:26 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

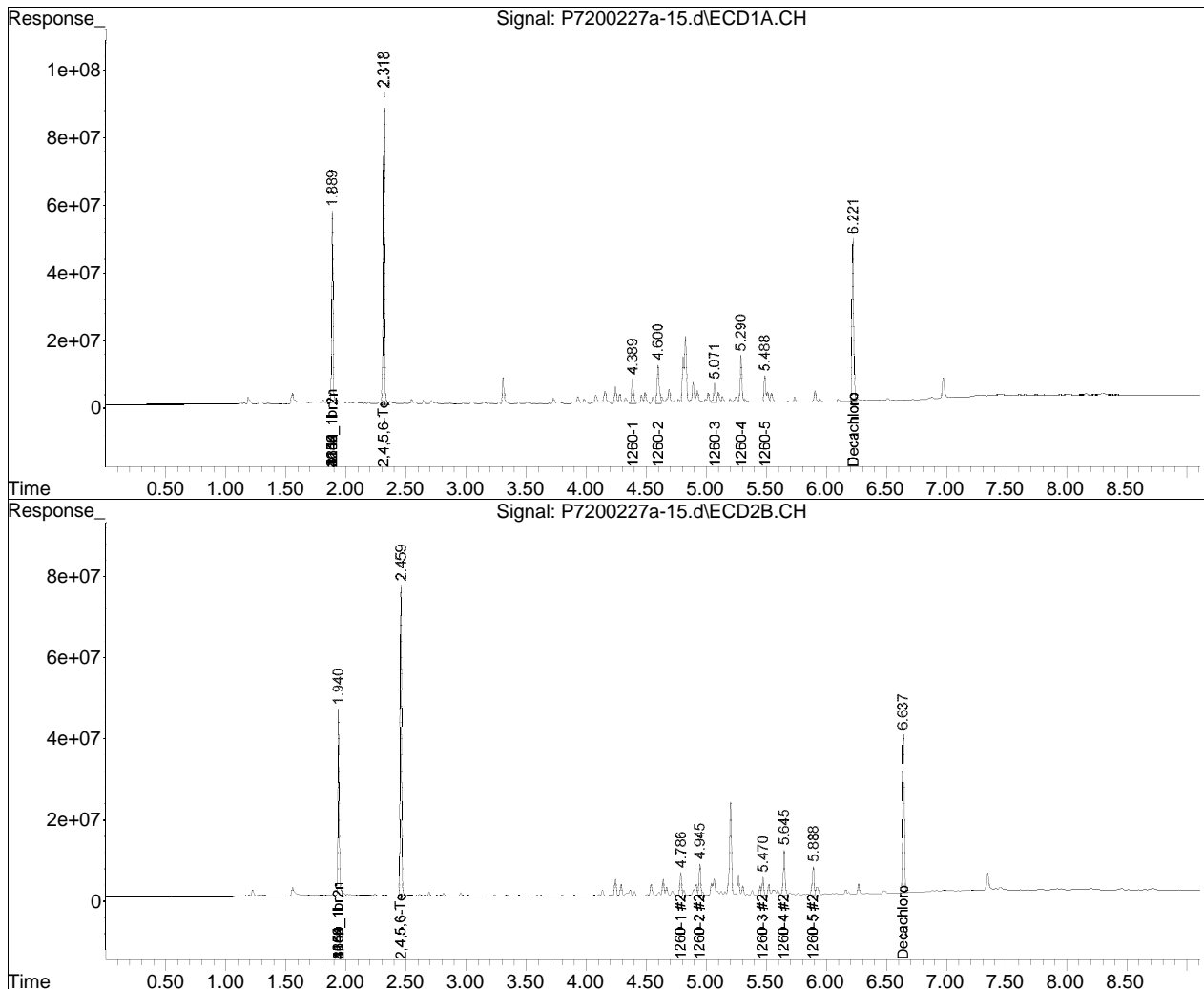
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-03.d••ed)

Data Path : I:\Pest7\200227A\
Data File : P7200227a-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Feb 2020 3:44 pm
Operator : pest7:cw
Sample : l2008381-08,42e,,
Misc : wg1345035,wg1344816,ical15997
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 09:06:26 2020
Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

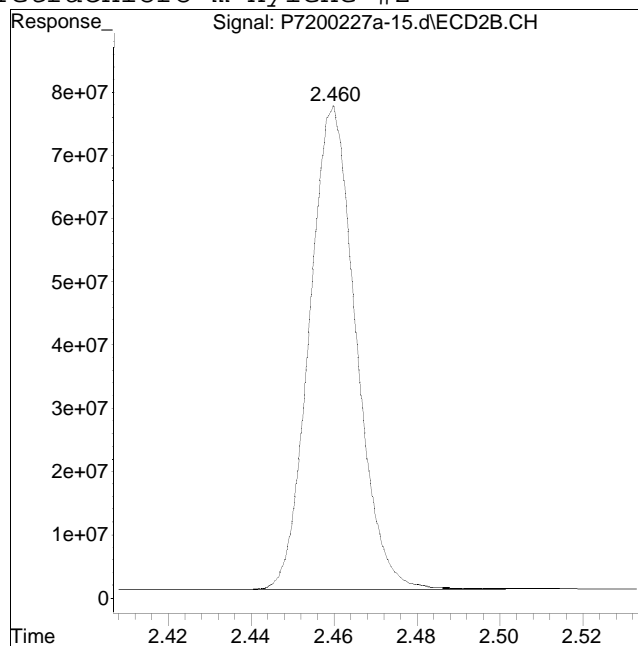
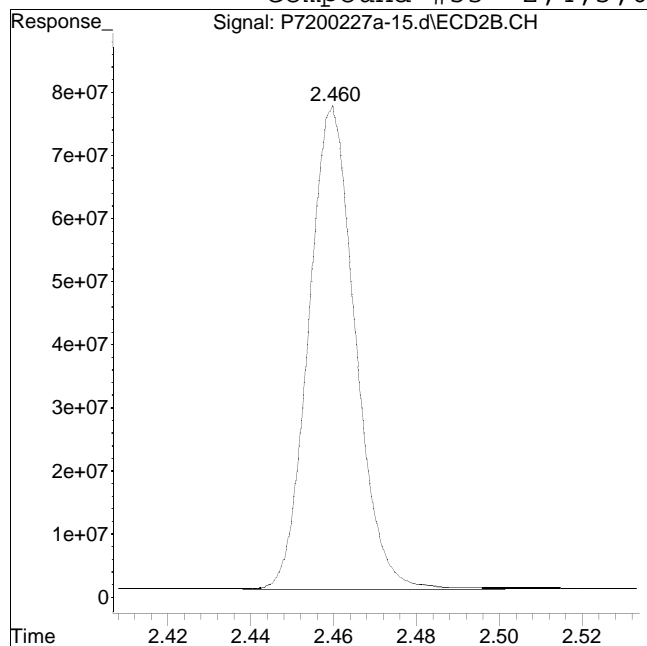


Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-15.d
Date Inj'd : 2/27/2020 3:44 pm
Sample : 12008381-08,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 601347240

Manual Peak Response = 595185931 M4

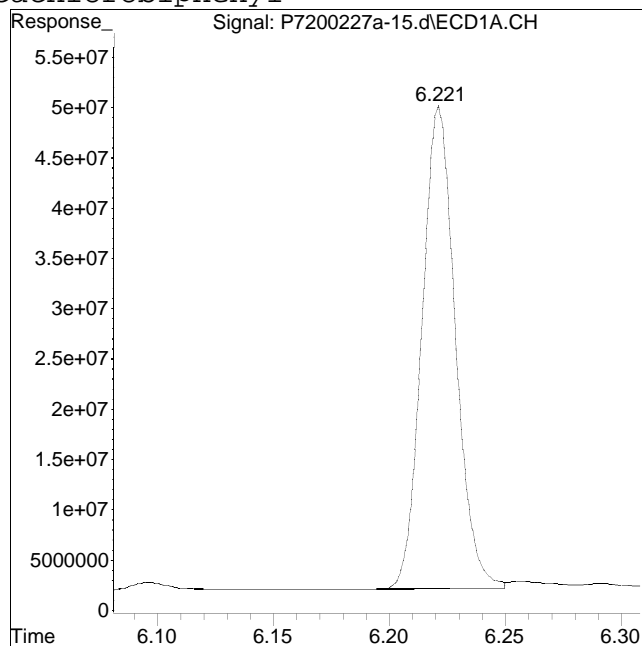
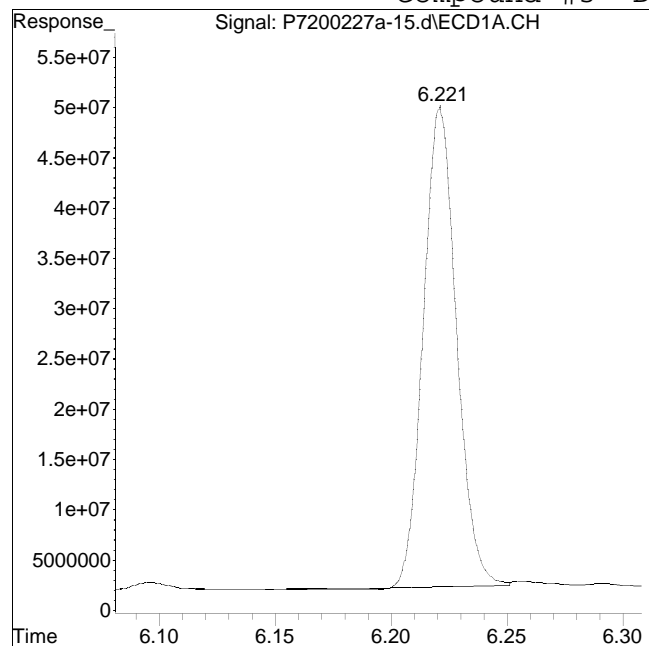
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-15.d
Date Inj'd : 2/27/2020 3:44 pm
Sample : 12008381-08,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 472077430

Manual Peak Response = 480246086 M4

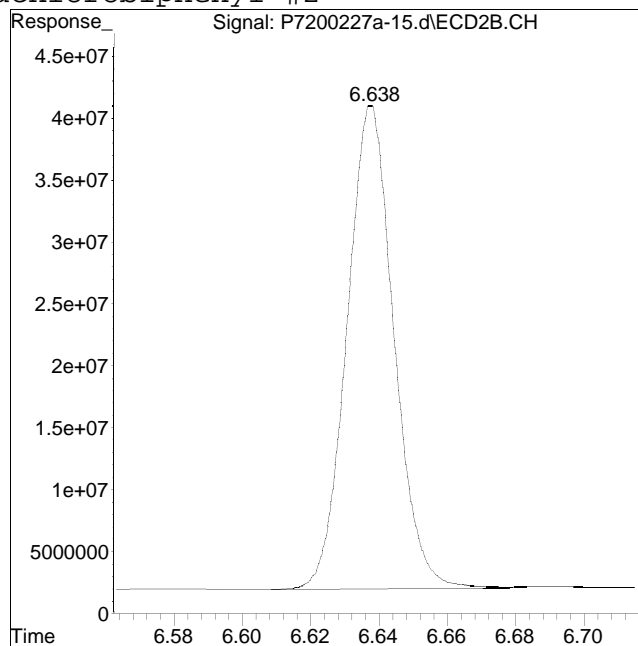
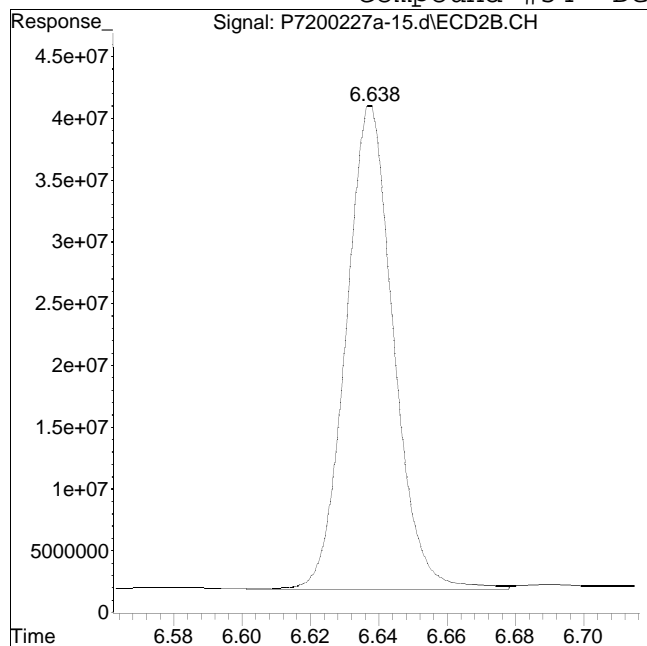
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-15.d
Date Inj'd : 2/27/2020 3:44 pm
Sample : 12008381-08,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 378529463

Manual Peak Response = 371699385 M4

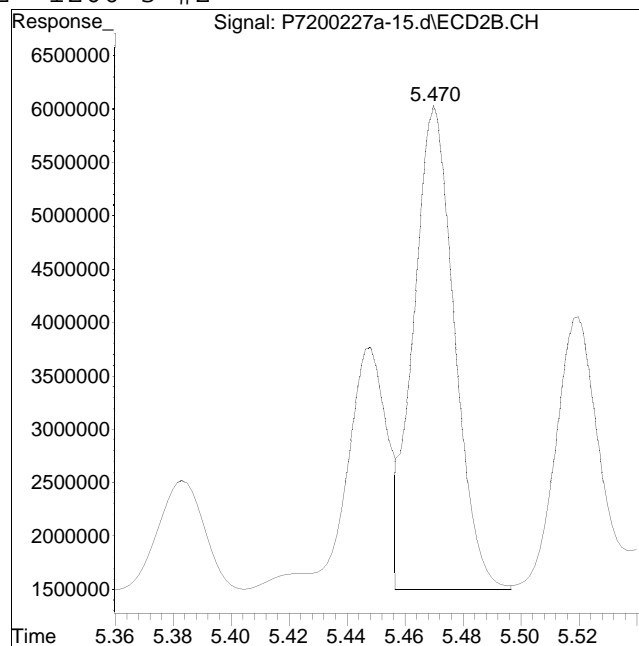
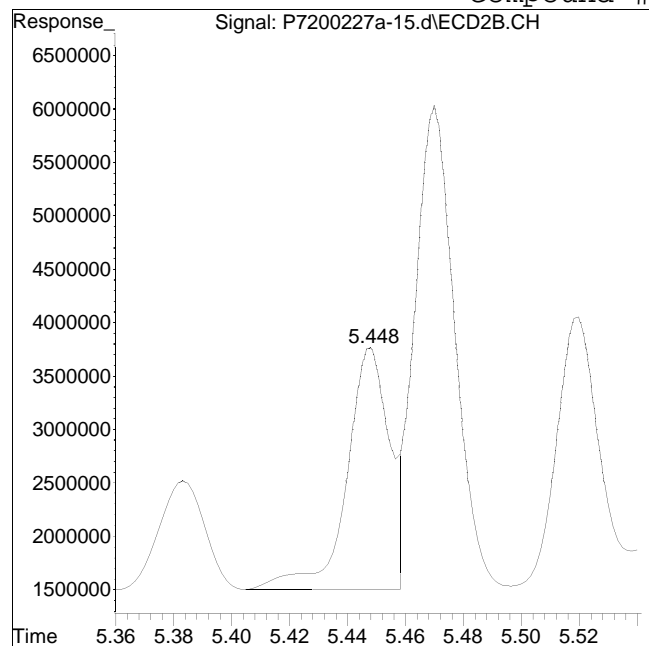
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-15.d
Date Inj'd : 2/27/2020 3:44 pm
Sample : 12008381-08,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #62: 1260-3 #2



Original Peak Response = 22226334

Manual Peak Response = 44802559 M3

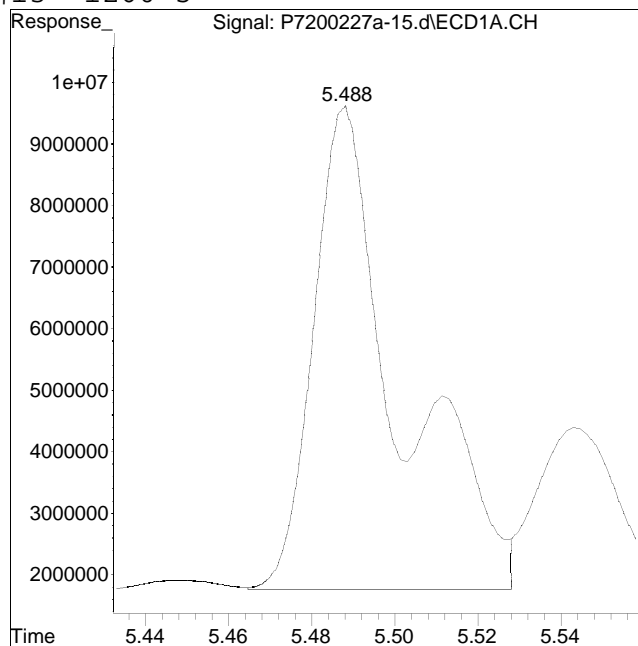
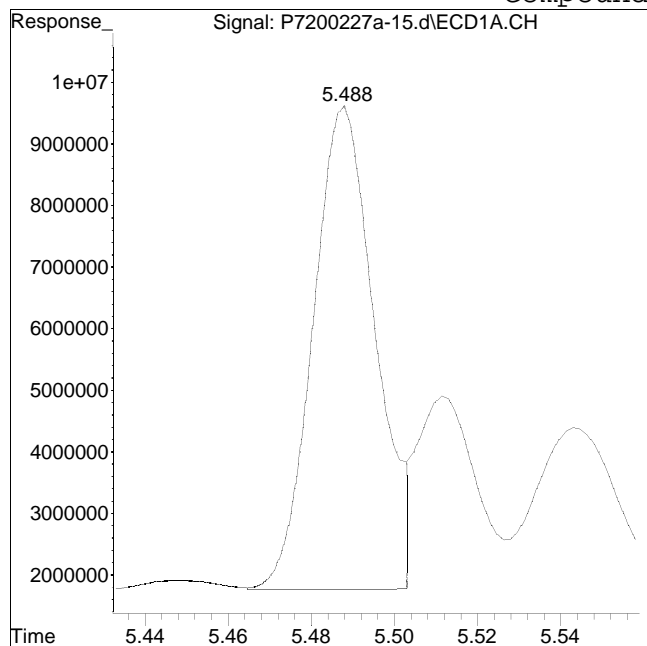
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-15.d
Date Inj'd : 2/27/2020 3:44 pm
Sample : 12008381-08,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #13: 1260-5



Original Peak Response = 80431760

Manual Peak Response = 112584666 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:56 pm
 Operator : pest7:cw
 Sample : l2008381-09,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:11:59 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.890	1.941	465.0E6	375.8E6	250.000	250.000
Standard Area 1 : #1 = 450981724					Recovery =	103.10%
Standard Area 1 : #2 = 348675887					Recovery =	107.78%
14) i 2154_1br2nb	1.890	1.941	465.0E6	375.8E6	250.000	250.000
23) i 4268_1br2nb	1.890	1.941	465.0E6	375.8E6	250.000	250.000
34) i 1248_1br2nb	1.890	1.941	465.0E6	375.8E6	250.000	250.000
40) i 3262_1br2nb	1.890	1.941	465.0E6	375.8E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.319	2.460	788.4E6	622.4E6	344.636	342.339M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	68.93% 68.47%
3) s Decachlorobi	6.222	6.636	521.1E6	403.8E6	343.120M4	369.522M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	68.62% 73.90%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	5.072	5.470	55127051	36445780	541.774	475.663M3
12) l2 1260-4	5.291	5.646	106.1E6	90746154	467.235M4	573.103
13) l2 1260-5	5.488	5.889	88124304	59947702	564.588M1	542.526
Sum 1260-1			249.3E6	187.1E6	1573.598	1591.292
Average 1260-1					524.533	530.431

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:56 pm
 Operator : pest7:cw
 Sample : l2008381-09,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:11:59 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	3.729f	4.137	83104123	69231045	1029.140	1097.362
19) 14 1254-2	3.935f	4.291	111.7E6	80171202	787.178	1103.224
20) 14 1254-3	4.247f	4.641	175.9E6	141.9E6	1294.049	1286.386
21) 14 1254-4	4.463f	4.816	59472946	32826243	554.443	447.340
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			430.2E6	324.1E6	3664.810	3934.311
Average 1254-1					916.202	983.578
24) 16 1242-1	2.529	2.759	3715157	3332378	127.197M3	145.238M4
25) 16 1242-2	2.747	3.019	10874567	4257816	173.043M1	84.162M4
26) 16 1242-3	3.056	3.347	20516099	11722449	152.063M1	115.692M4
27) 16 1242-4	3.437	3.802	15473856	9337598	247.664M1	290.568M1
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			50579679	28650242	699.968	635.660
Average 1242-1					174.992	158.915
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:56 pm
 Operator : pest7:cw
 Sample : l2008381-09,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:11:59 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1	0	0	N.D.	N.D.
Average 1262-1			0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-16.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 3:56 pm
 Operator : pest7:cw
 Sample : l2008381-09,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:11:59 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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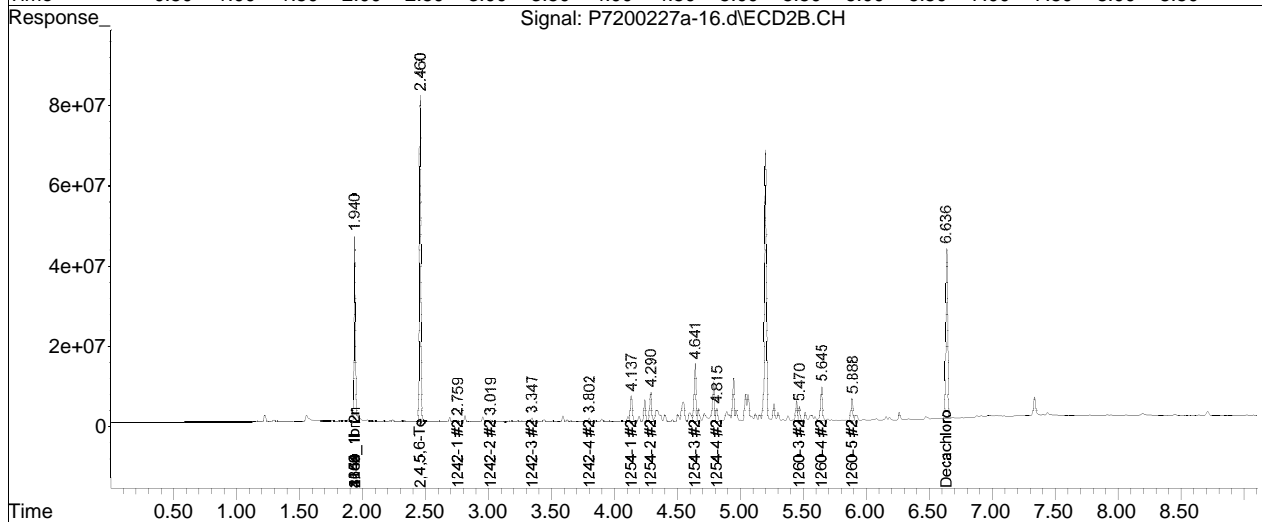
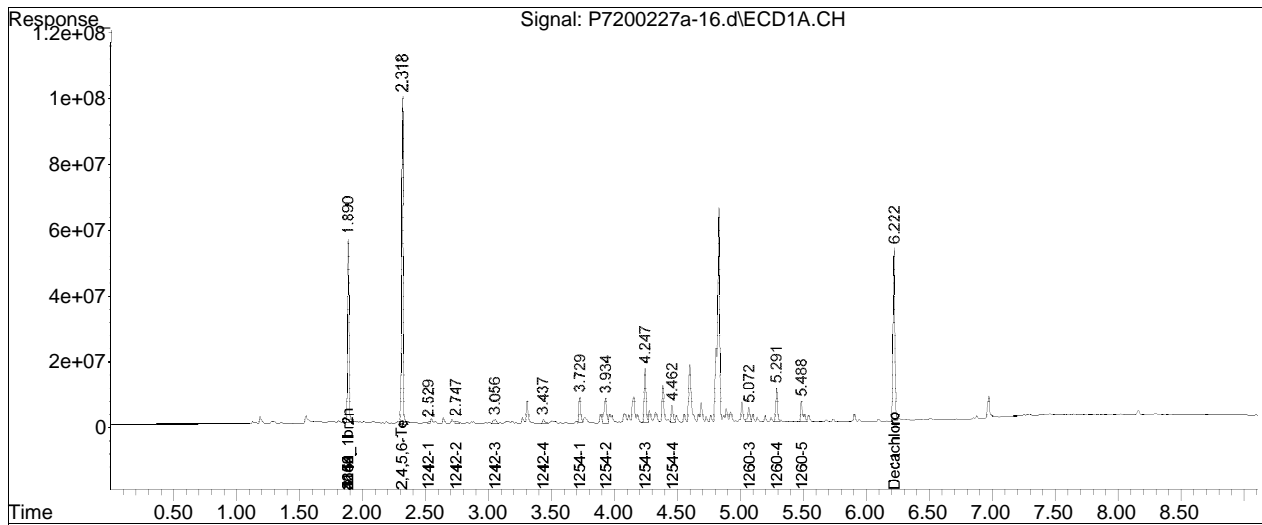
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-03.d••ed)

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Feb 2020 3:56 pm
Operator : pest7:cw
Sample : l2008381-09,42e,,
Misc : wg1345035,wg1344816,ical15997
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 09:11:59 2020
Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

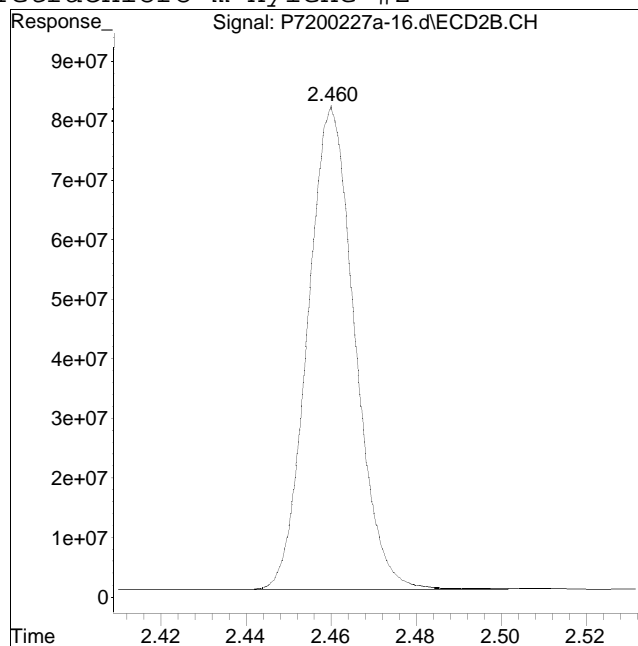
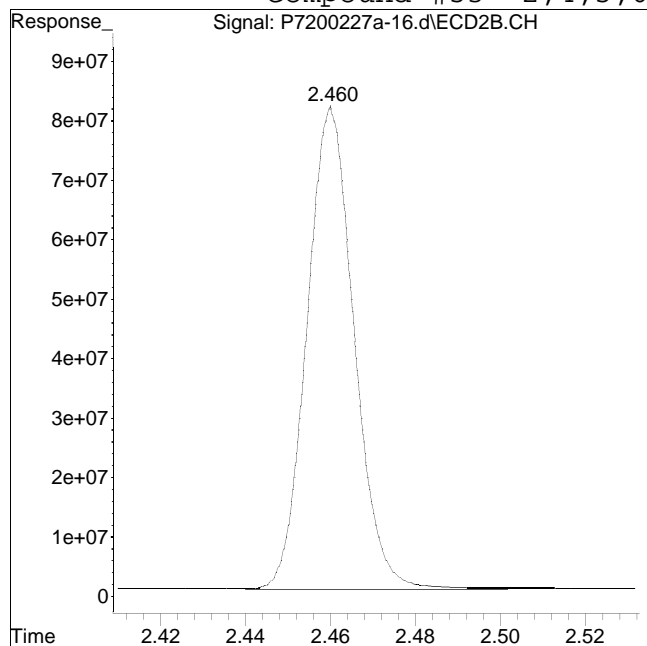


Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 628375027

Manual Peak Response = 622388383 M4

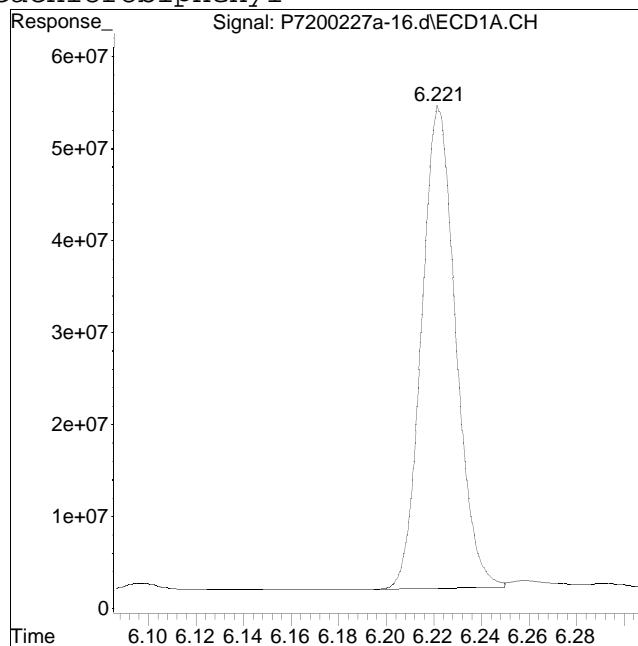
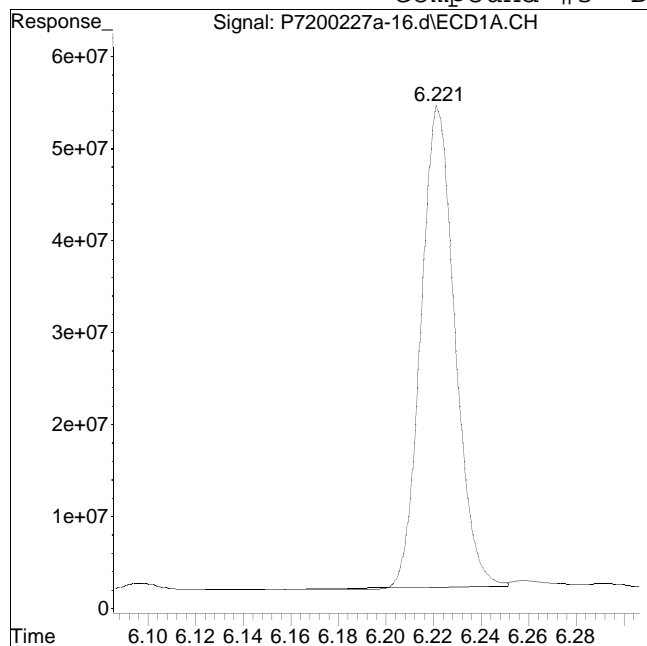
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 513989839

Manual Peak Response = 521064689 M4

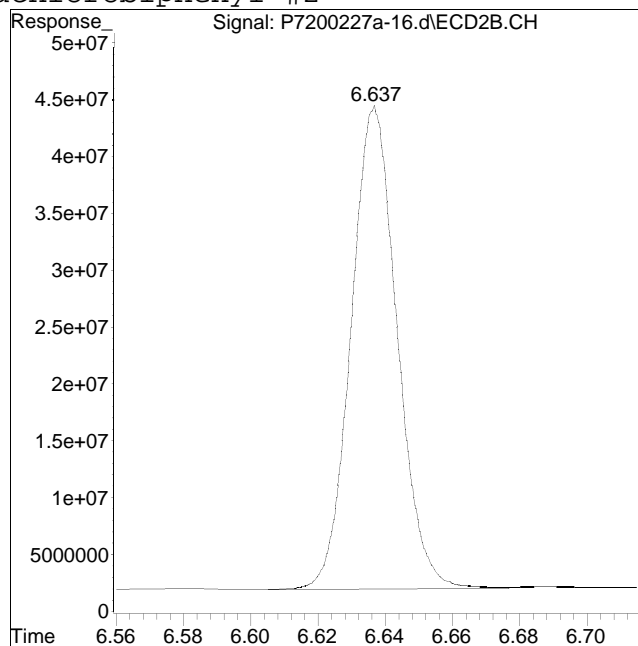
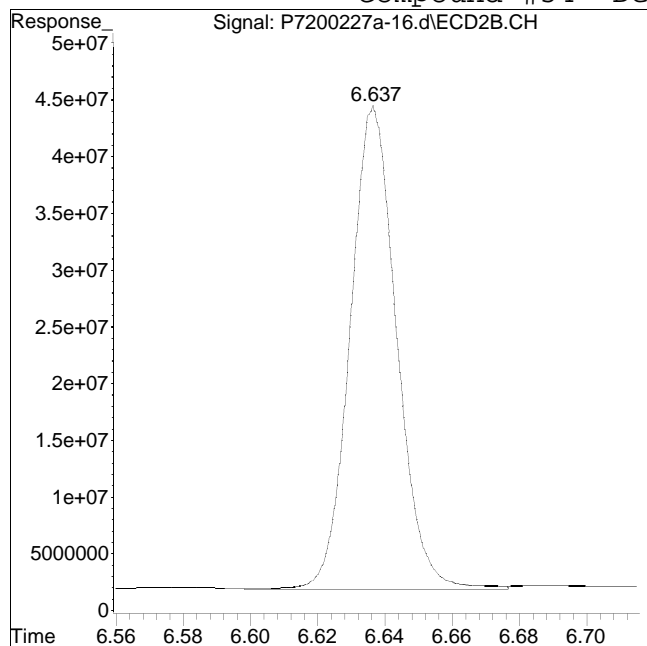
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 410528108

Manual Peak Response = 403758626 M4

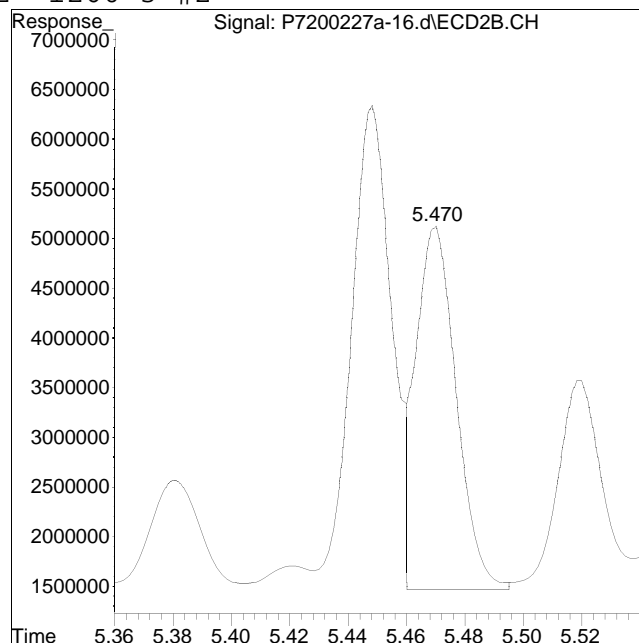
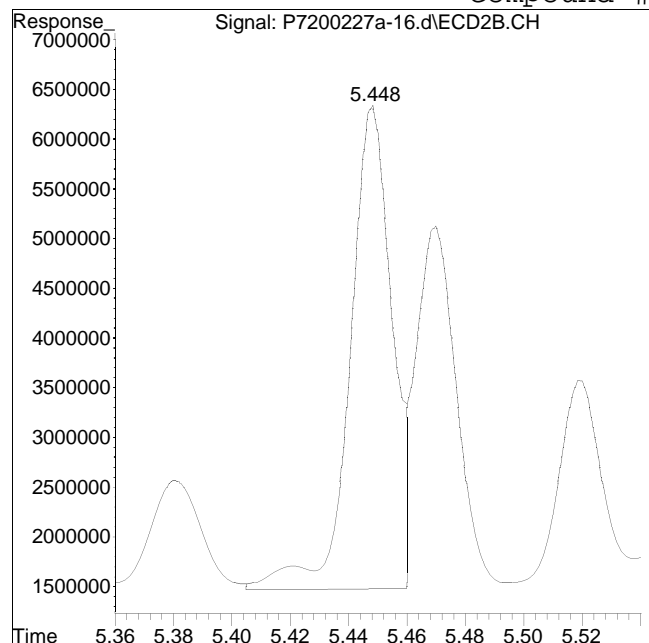
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #62: 1260-3 #2



Original Peak Response = 48275820

Manual Peak Response = 36445780 M3

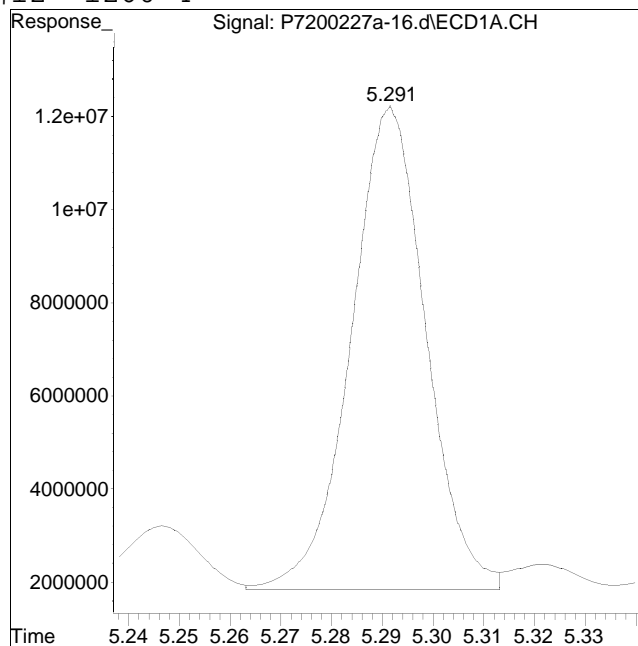
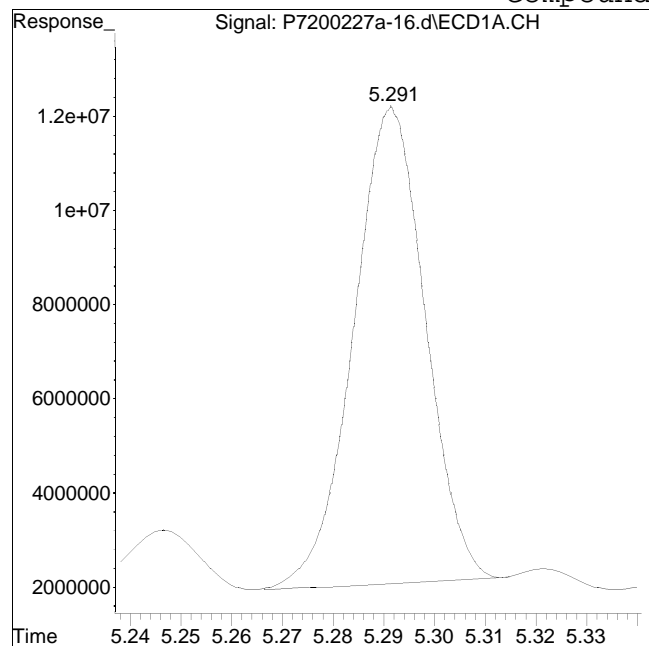
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #12: 1260-4



Original Peak Response = 99177948

Manual Peak Response = 106097562 M4

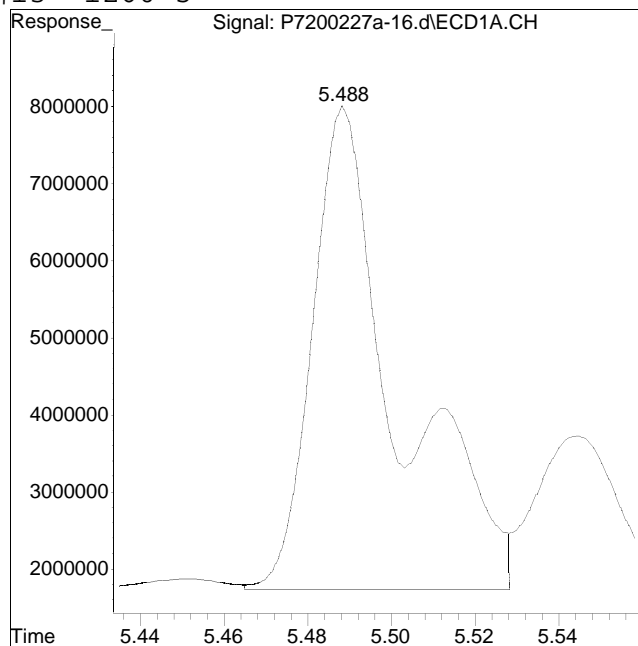
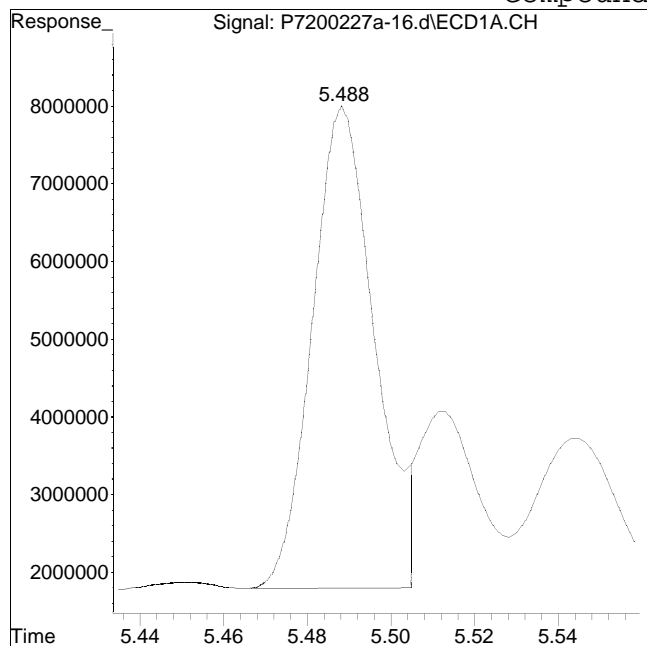
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #13: 1260-5



Original Peak Response = 62845030

Manual Peak Response = 88124304 M1

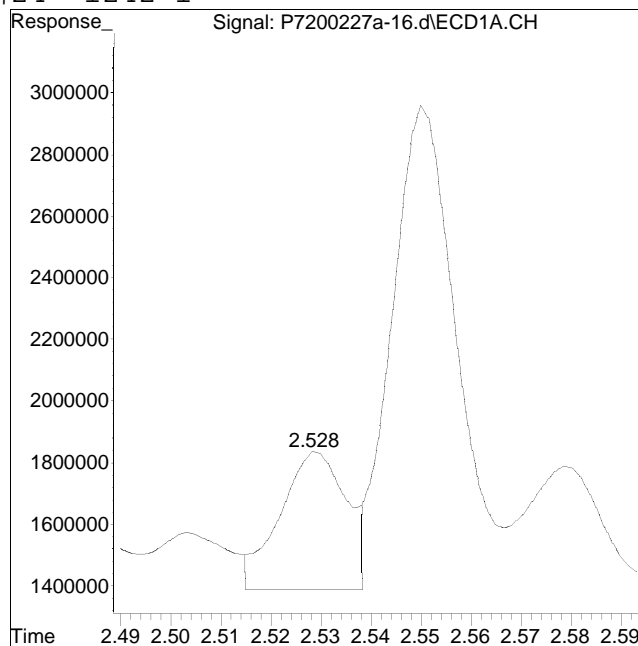
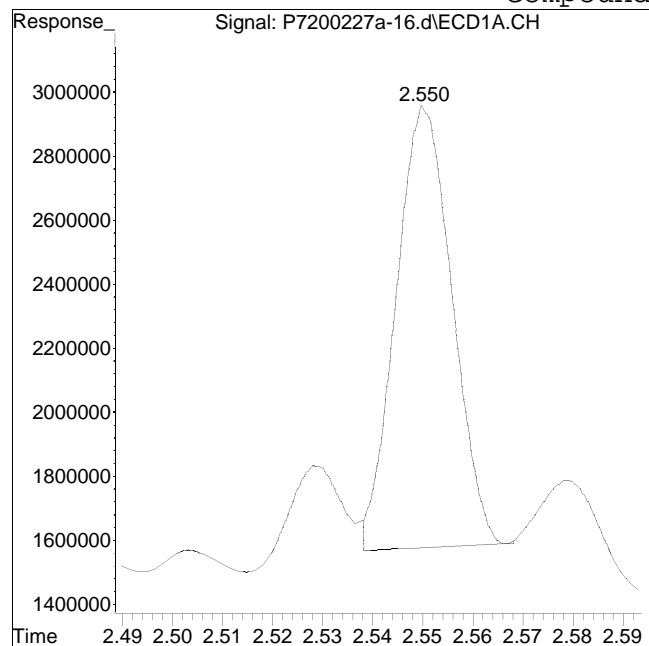
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #24: 1242-1



Original Peak Response = 10808811

Manual Peak Response = 3715157 M3

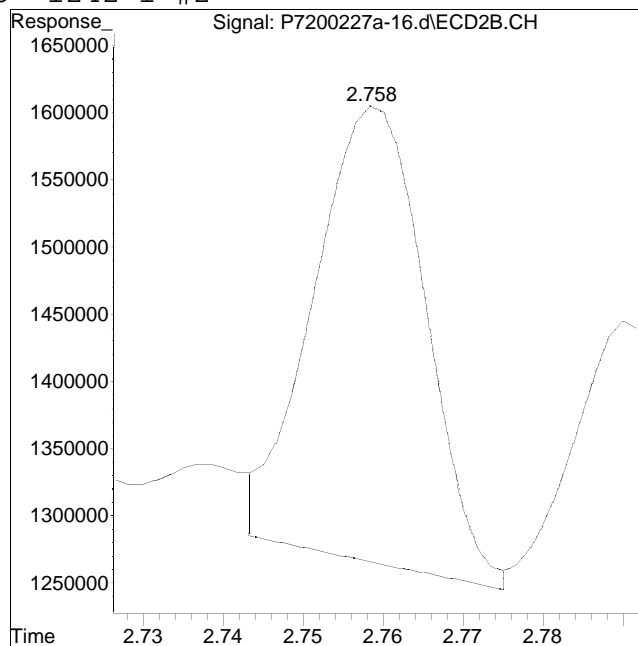
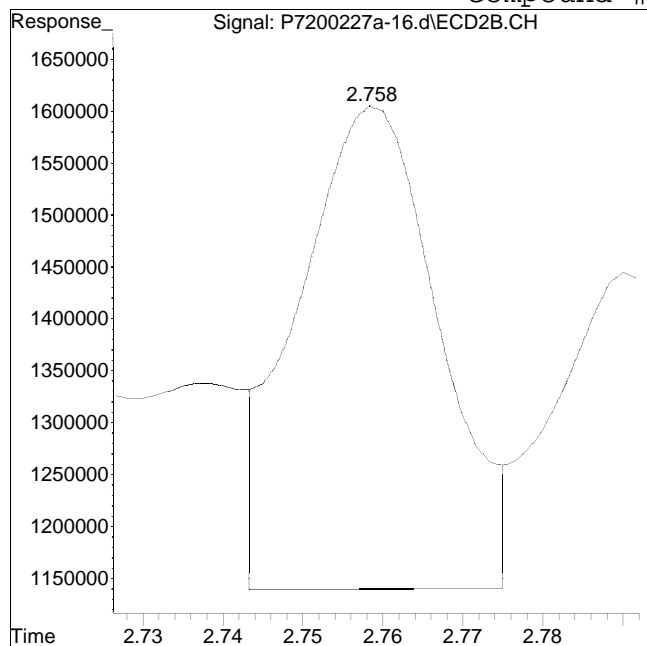
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #75: 1242-1 #2



Original Peak Response = 5809742

Manual Peak Response = 3332378 M4

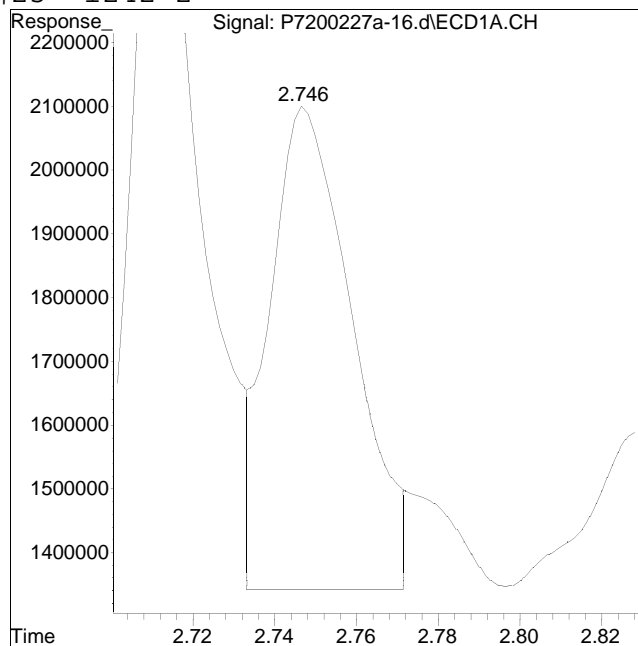
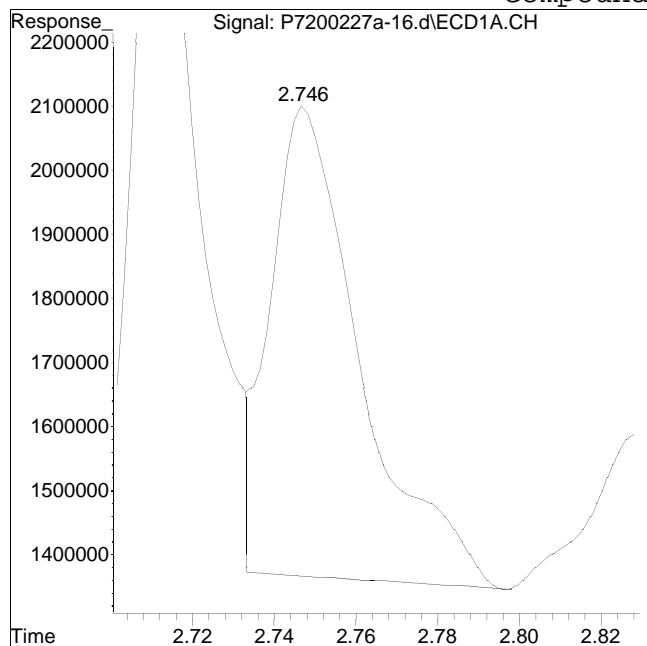
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #25: 1242-2



Original Peak Response = 11326004

Manual Peak Response = 10874567 M1

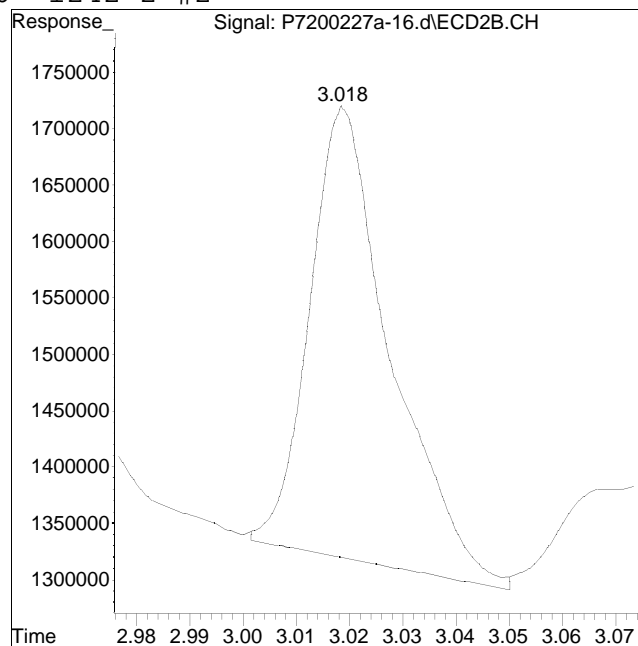
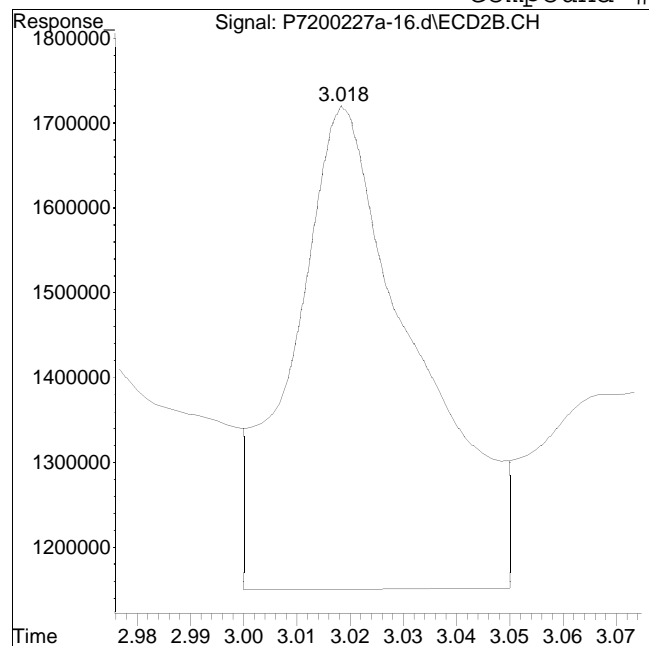
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #76: 1242-2 #2



Original Peak Response = 9058589

Manual Peak Response = 4257816 M4

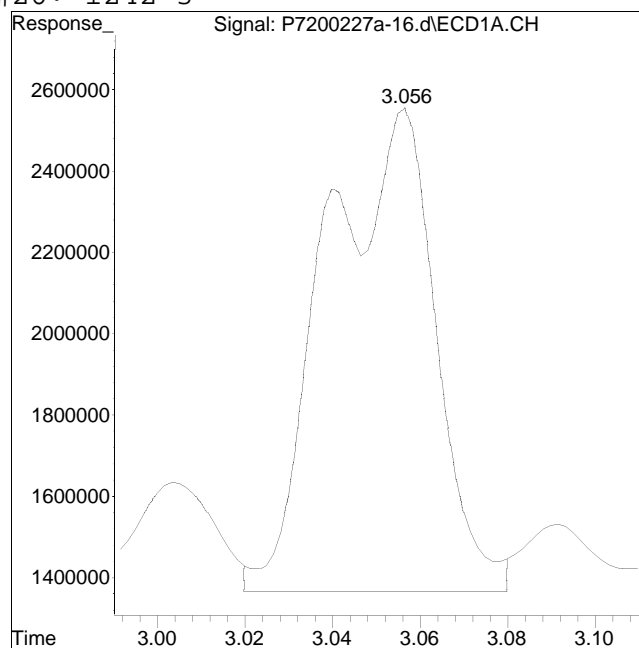
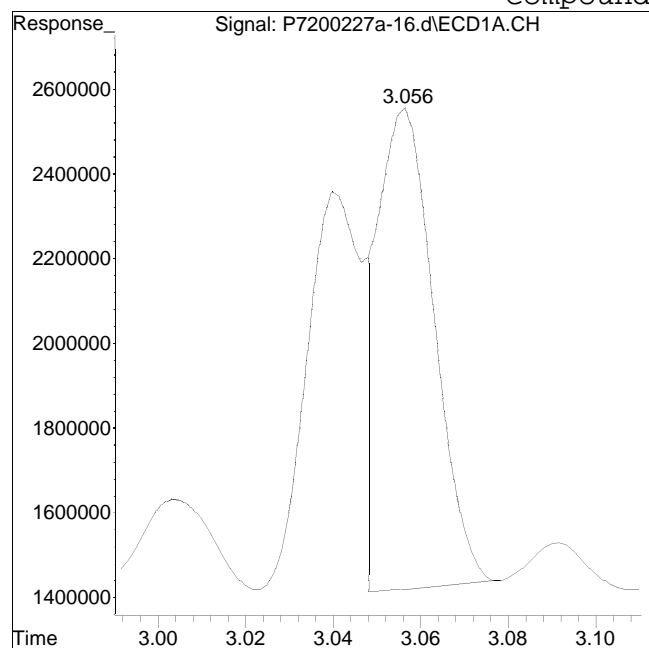
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #26: 1242-3



Original Peak Response = 10851740

Manual Peak Response = 20516099 M1

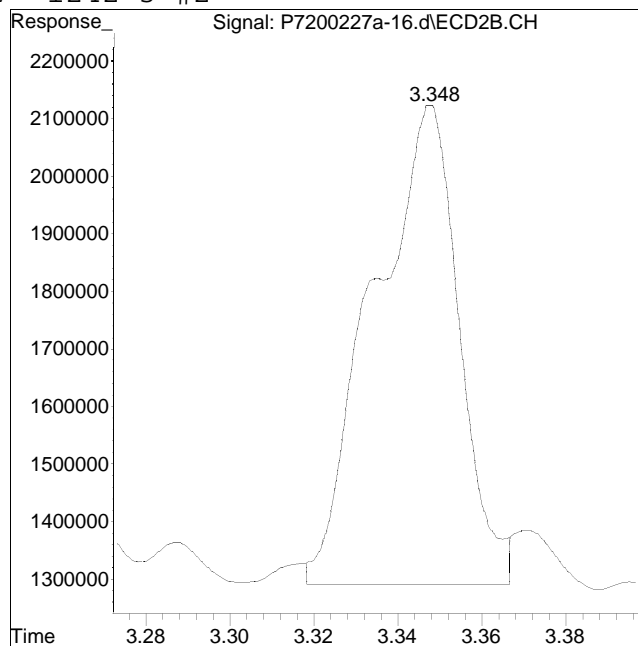
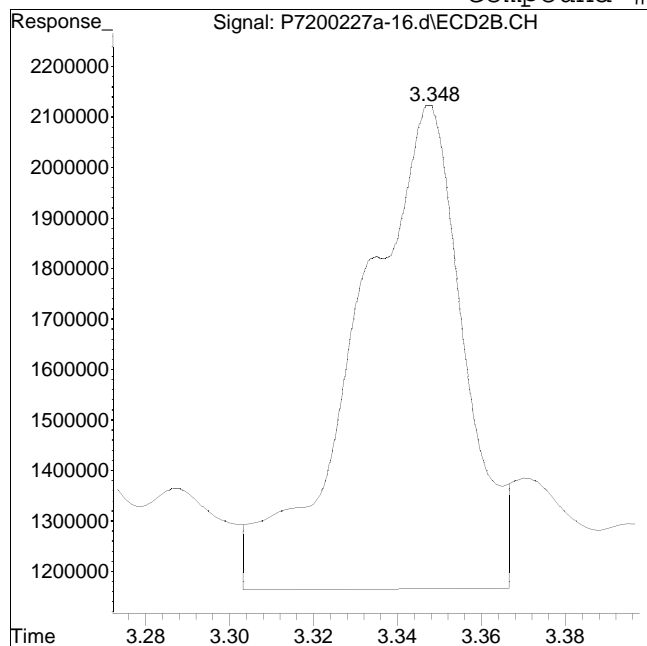
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #77: 1242-3 #2



Original Peak Response = 16591446

Manual Peak Response = 11722449 M4

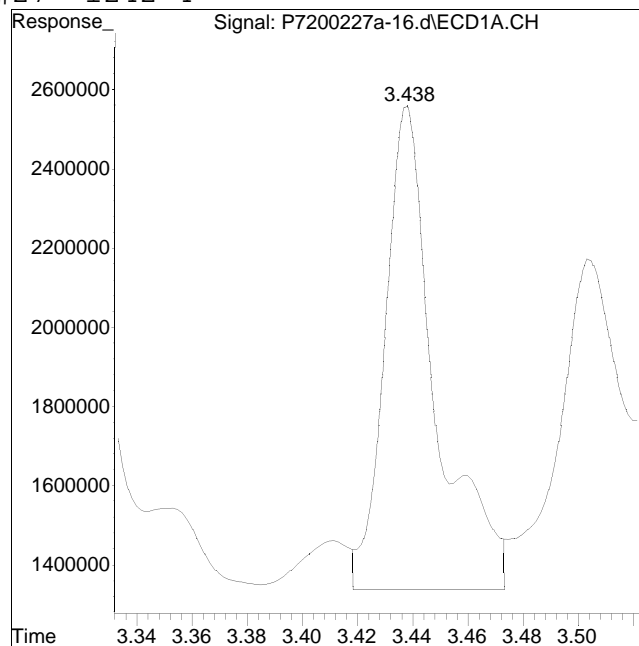
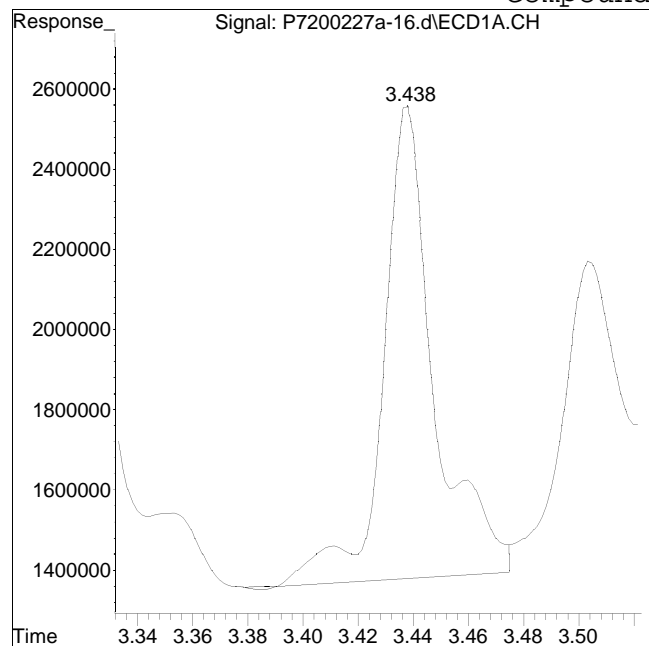
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #27: 1242-4



Original Peak Response = 15032886

Manual Peak Response = 15473856 M1

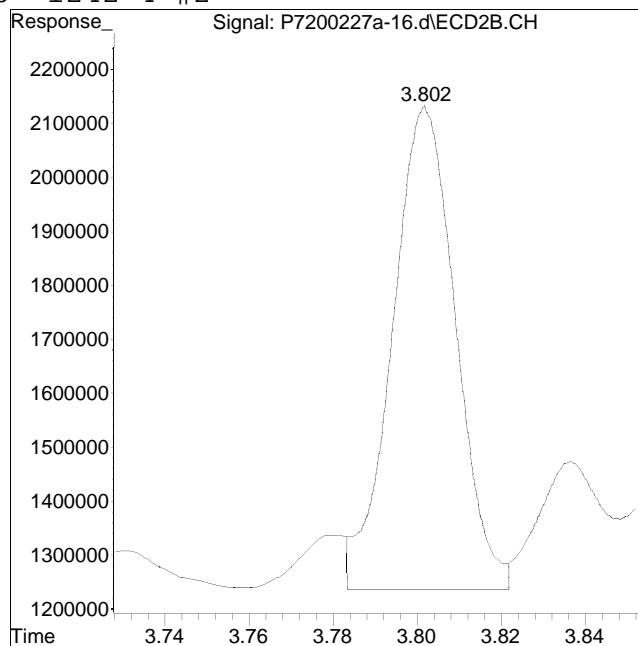
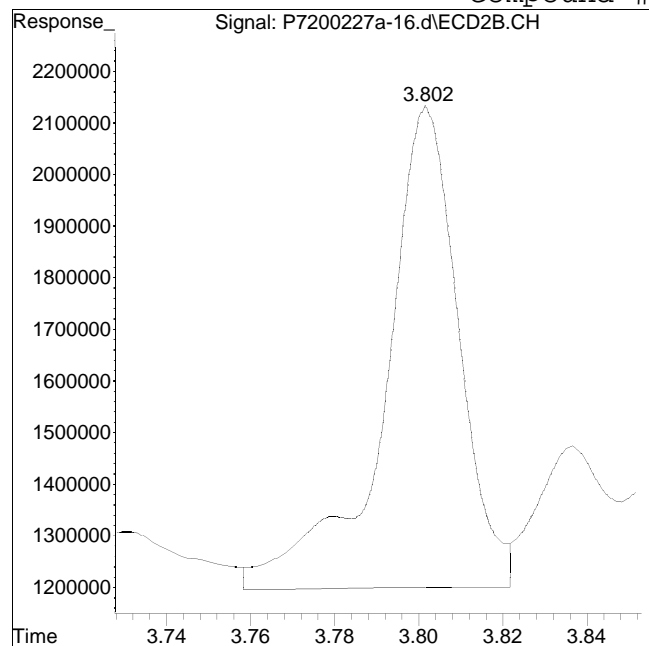
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-16.d
Date Inj'd : 2/27/2020 3:56 pm
Sample : 12008381-09,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #78: 1242-4 #2



Original Peak Response = 11525506

Manual Peak Response = 9337598 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-18.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 4:21 pm
 Operator : pest7:cw
 Sample : l2008381-11,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:16:46 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.891	1.941	480.6E6	402.5E6	250.000	250.000
Standard Area 1 : #1 = 450981724					Recovery =	106.56%
Standard Area 1 : #2 = 348675887					Recovery =	115.44%
14) i 2154_1br2nb	1.891	1.941	480.6E6	402.5E6	250.000	250.000
23) i 4268_1br2nb	1.891	1.941	480.6E6	402.5E6	250.000	250.000
34) i 1248_1br2nb	1.891	1.941	480.6E6	402.5E6	250.000	250.000
40) i 3262_1br2nb	1.891	1.941	480.6E6	402.5E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.319	2.460	594.8E6	468.9E6	251.575	240.795M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		50.31%	48.16%
3) s Decachlorobi	6.222	6.636	417.2E6	309.6E6	265.782	264.551M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		53.16%	52.91%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.390	4.787	572.4E6	464.8E6	4968.109	5299.274
10) l2 1260-2	4.601	4.945	1036.8E6	694.0E6	6010.215	6875.095
11) l2 1260-3	5.073	5.470	611.6E6	485.6E6	5815.664	5916.595
12) l2 1260-4	5.292	5.645	1426.3E6	1231.8E6	6077.364	7262.742
13) l2 1260-5	5.488	5.888	1084.5E6	832.4E6	6722.364M1	7033.159
Sum 1260-1			4731.6E6	3708.6E6	29593.716	32386.864
Average 1260-1					5918.743	6477.373

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-18.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 4:21 pm
 Operator : pest7:cw
 Sample : l2008381-11,42e,,
 Misc : wgl1345035,wgl1344816,ical15997
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:16:46 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-18.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 4:21 pm
 Operator : pest7:cw
 Sample : 12008381-11,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:16:46 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

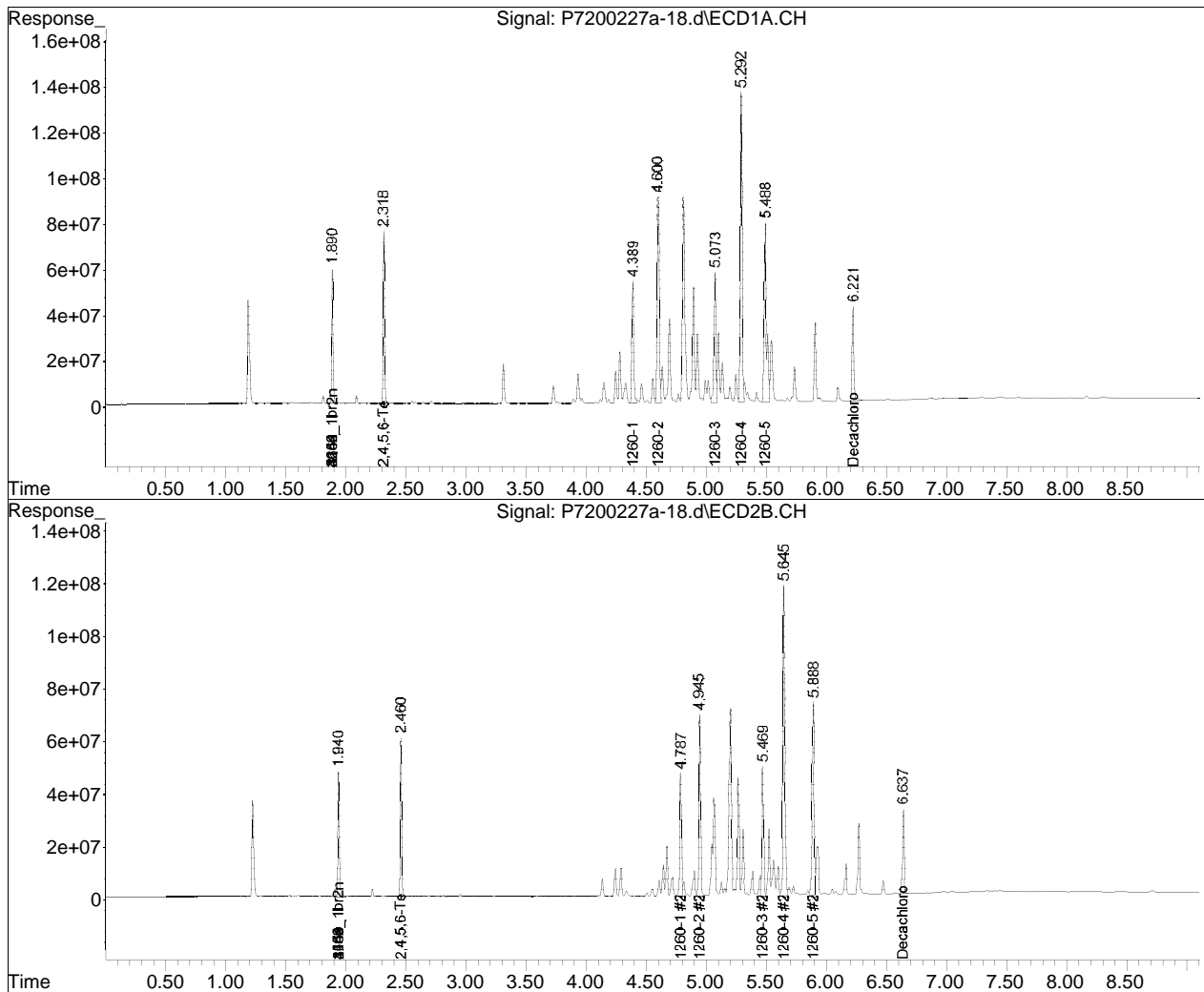
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-03.d••ed)

Data Path : I:\Pest7\200227A\
Data File : P7200227a-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Feb 2020 4:21 pm
Operator : pest7:cw
Sample : l2008381-11,42e,,
Misc : wg1345035,wg1344816,ical15997
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 09:16:46 2020
Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

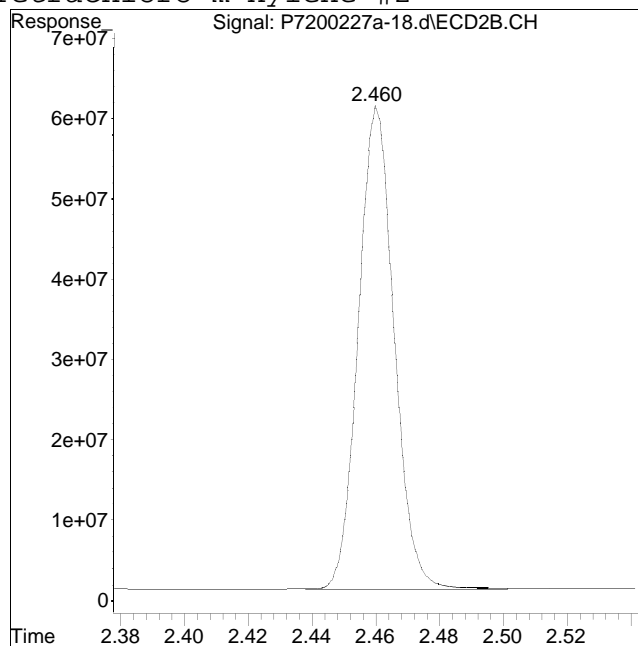
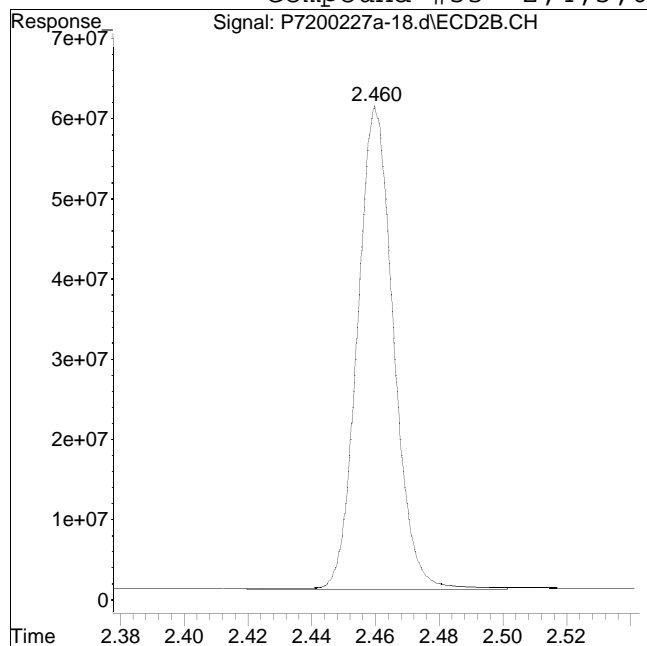


Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-18.d
Date Inj'd : 2/27/2020 4:21 pm
Sample : 12008381-11,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 476512991

Manual Peak Response = 468912954 M4

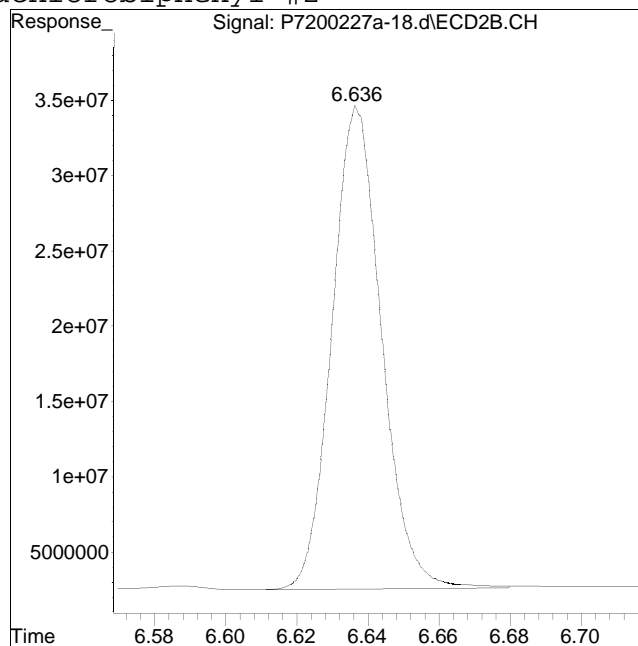
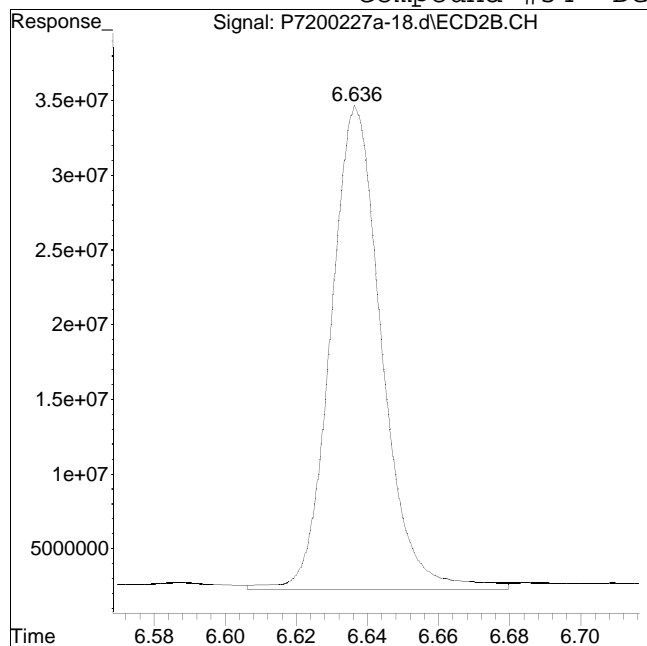
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-18.d
Date Inj'd : 2/27/2020 4:21 pm
Sample : 12008381-11,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 322881357

Manual Peak Response = 309621467 M4

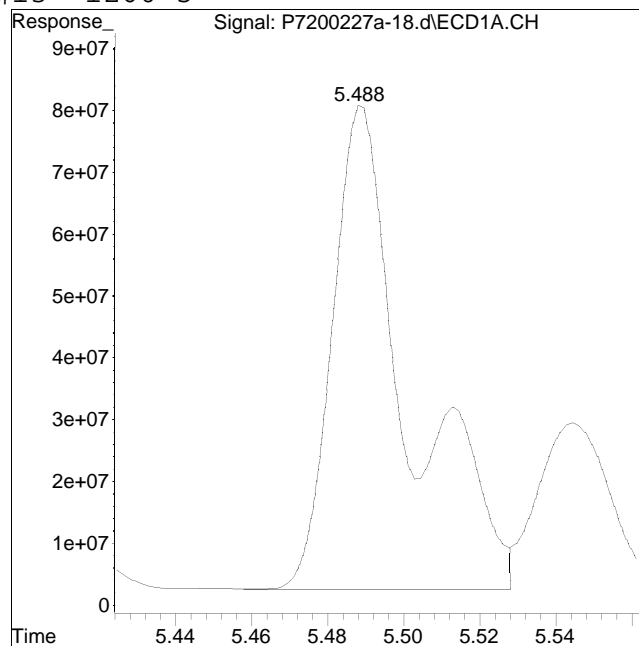
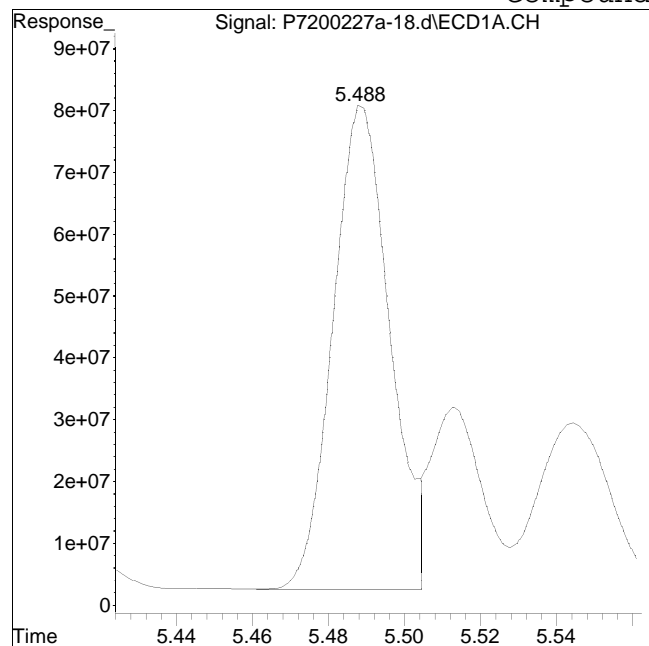
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-18.d
Date Inj'd : 2/27/2020 4:21 pm
Sample : 12008381-11,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #13: 1260-5



Original Peak Response = 804082488

Manual Peak Response = 1084467454 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-20.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 4:45 pm
 Operator : pest7:cw
 Sample : l2008381-14,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:18:40 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.891	1.941	480.1E6	384.2E6	250.000	250.000M4
Standard Area 1 : #1 = 450981724					Recovery =	106.47%
Standard Area 1 : #2 = 348675887					Recovery =	110.18%
14) i 2154_1br2nb	1.891	1.941	480.1E6	384.2E6	250.000	250.000M4
23) i 4268_1br2nb	1.891	1.941	480.1E6	384.2E6	250.000	250.000M4
34) i 1248_1br2nb	1.891	1.941	480.1E6	384.2E6	250.000	250.000M4
40) i 3262_1br2nb	1.891	1.941	480.1E6	384.2E6	250.000	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.319	2.460	801.4E6	648.4E6	339.252	348.853M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	67.85% 69.77%
3) s Decachlorobi	6.221	6.636	521.3E6	404.2E6	332.446M4	361.842M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	66.49% 72.37%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.389	4.787	101.5E6	75641801	881.678	903.650
10) l2 1260-2	4.601	4.945	176.2E6	108.2E6	1021.986	1123.259
11) l2 1260-3	5.073	5.470	91142024	67637621	867.385	863.471
12) l2 1260-4	5.291	5.645	225.4E6	177.0E6	961.168M4	1093.400
13) l2 1260-5	5.488	5.888	161.5E6	117.5E6	1002.035M1	1039.748
Sum 1260-1			755.7E6	546.0E6	4734.252	5023.528
Average 1260-1					946.850	1004.706

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-20.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 4:45 pm
 Operator : pest7:cw
 Sample : l2008381-14,42e,,
 Misc : wgl1345035,wgl1344816,ical15997
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:18:40 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D.	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-20.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 4:45 pm
 Operator : pest7:cw
 Sample : l2008381-14,42e,,
 Misc : wgl1345035,wgl1344816,ical15997
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:18:40 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-20.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 4:45 pm
 Operator : pest7:cw
 Sample : l2008381-14,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:18:40 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

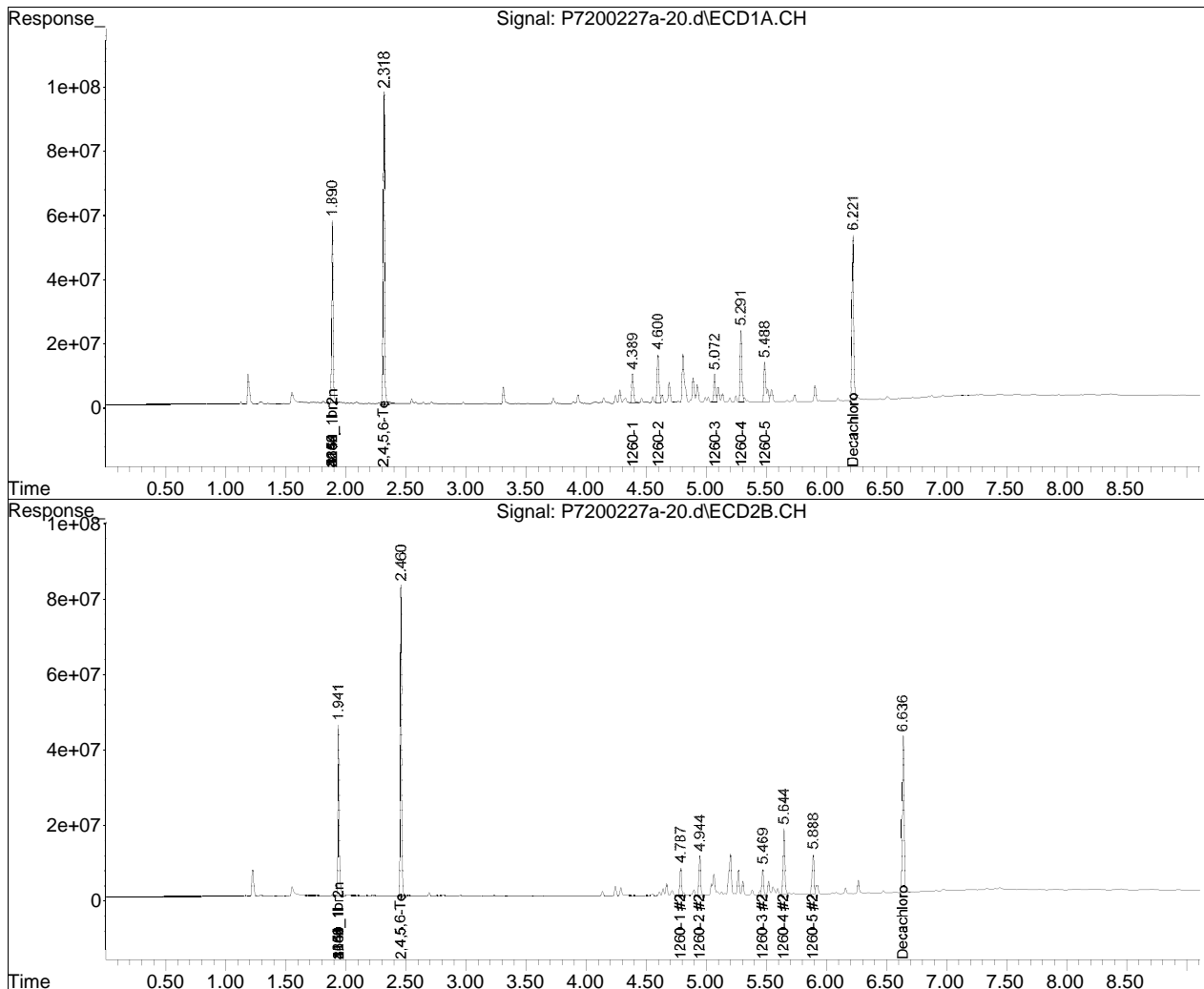
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-03.d••ed)

Data Path : I:\Pest7\200227A\
Data File : P7200227a-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Feb 2020 4:45 pm
Operator : pest7:cw
Sample : l2008381-14,42e,,
Misc : wg1345035,wg1344816,ical15997
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 09:18:40 2020
Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

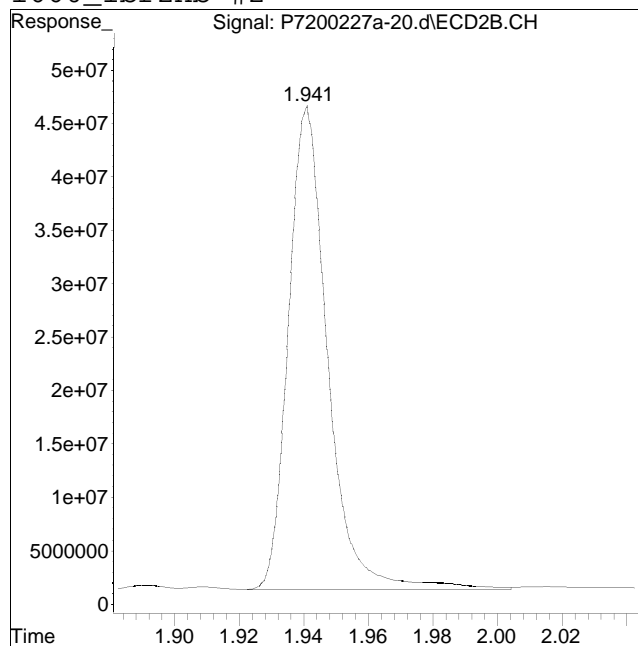
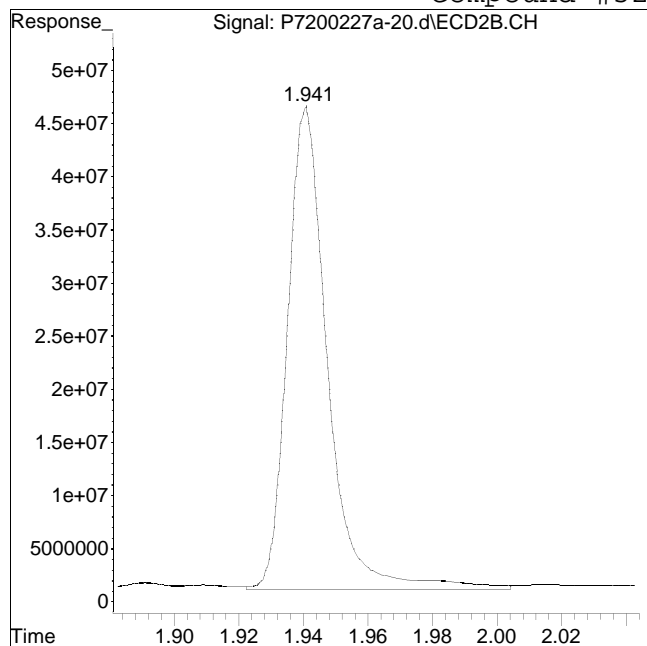


Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-20.d
Date Inj'd : 2/27/2020 4:45 pm
Sample : 12008381-14,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 394609864

Manual Peak Response = 384186349 M4

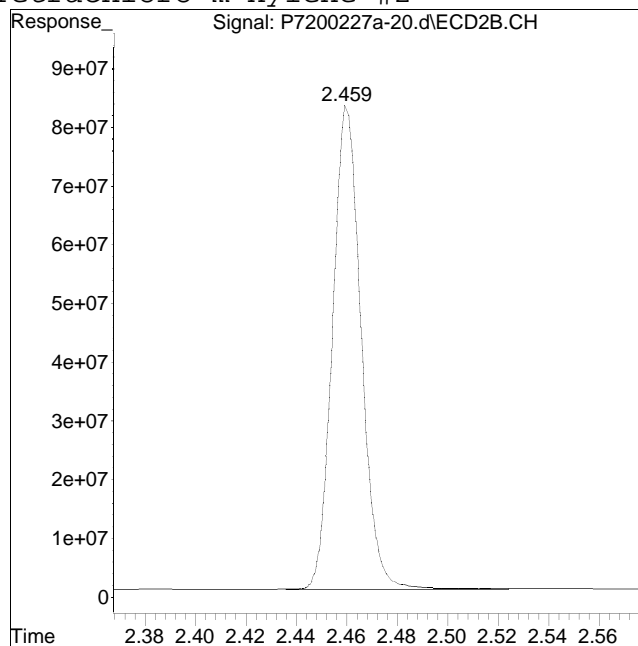
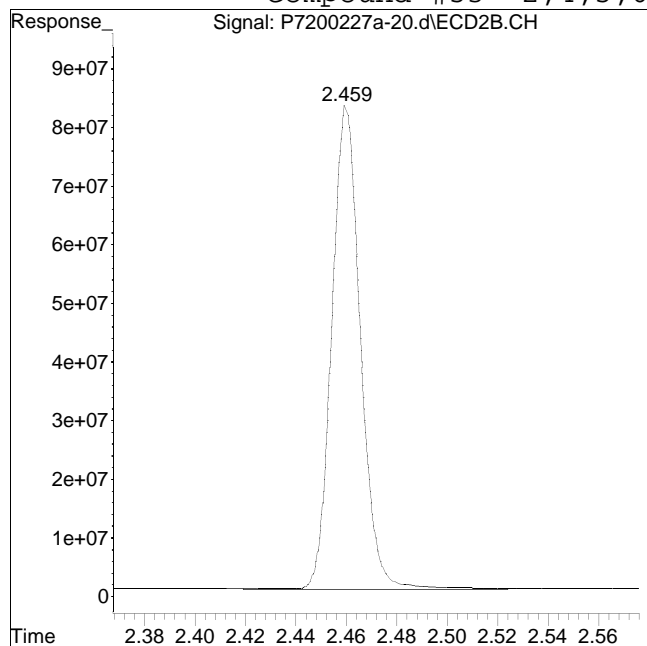
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-20.d
Date Inj'd : 2/27/2020 4:45 pm
Sample : 12008381-14,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 659057571

Manual Peak Response = 648396290 M4

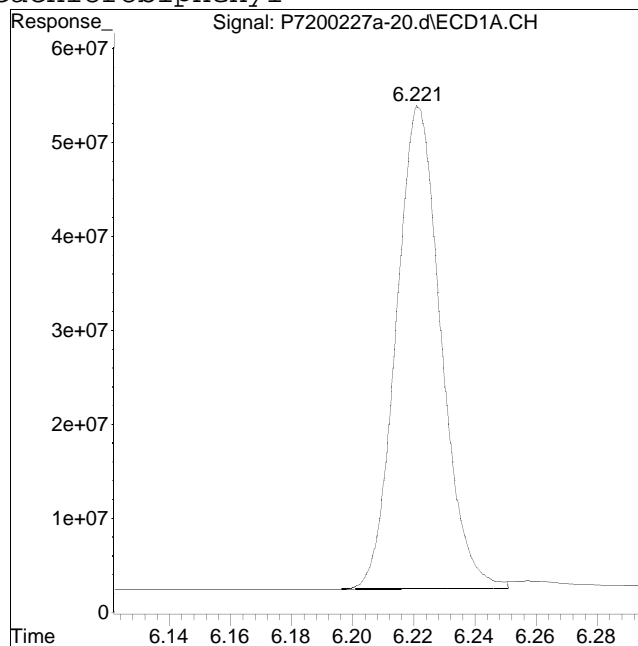
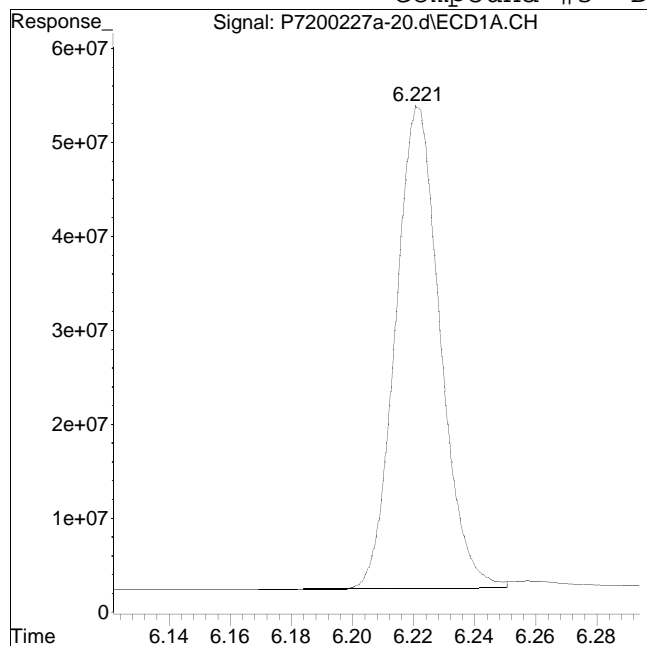
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-20.d
Date Inj'd : 2/27/2020 4:45 pm
Sample : 12008381-14,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 518672347

Manual Peak Response = 521347781 M4

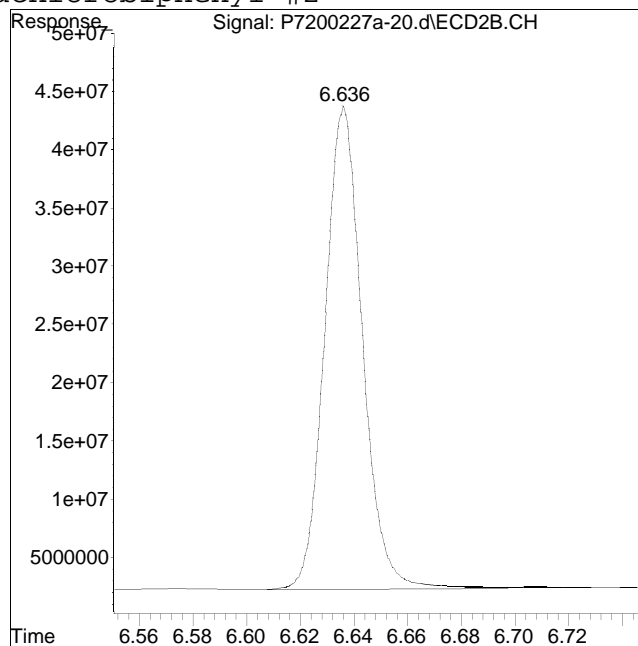
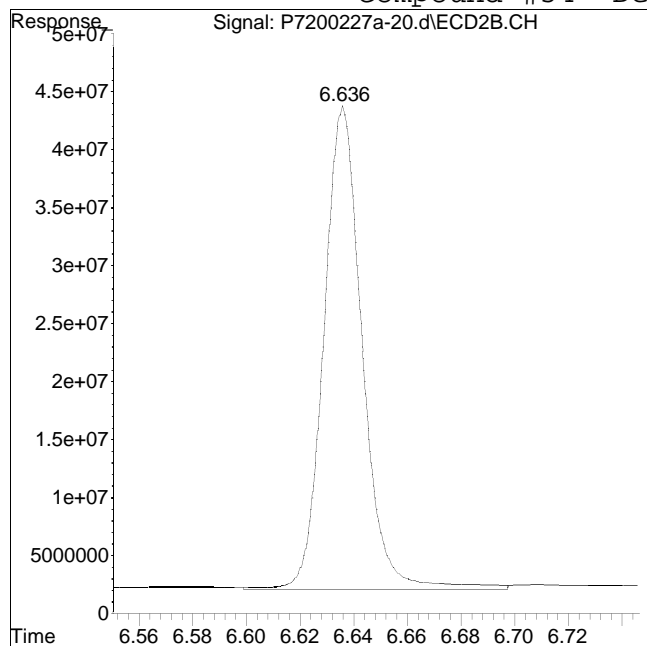
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-20.d
Date Inj'd : 2/27/2020 4:45 pm
Sample : 12008381-14,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 416265537

Manual Peak Response = 404197036 M4

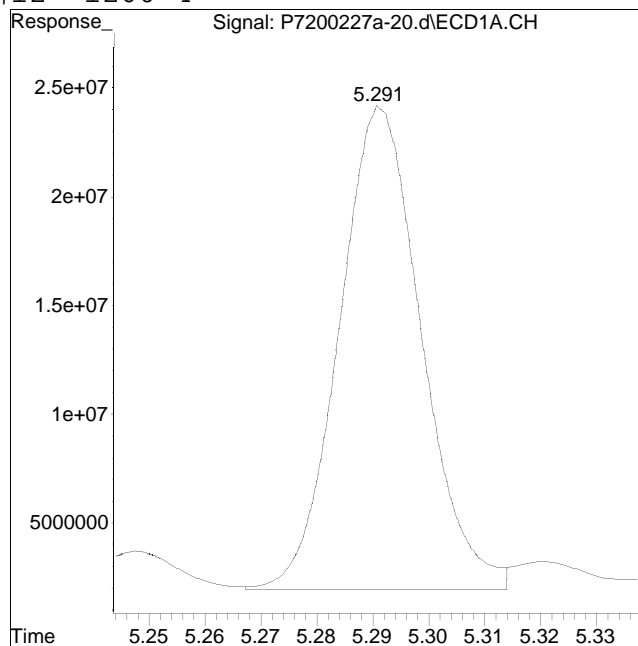
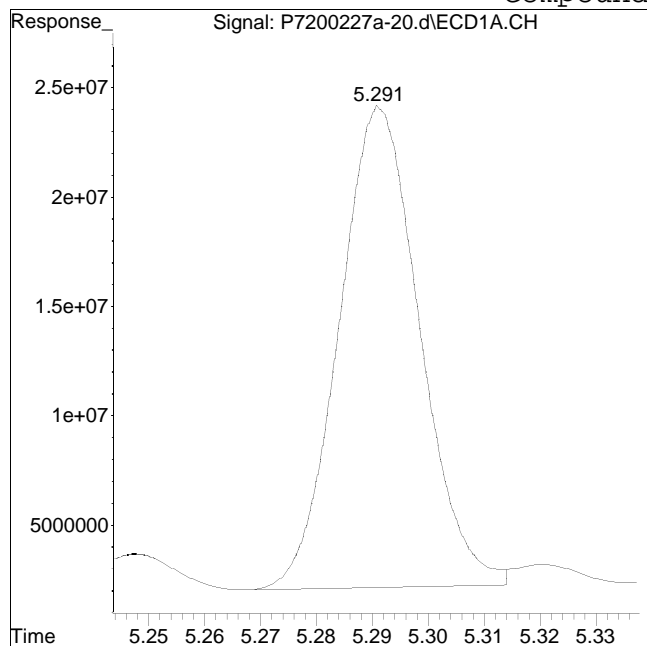
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-20.d
Date Inj'd : 2/27/2020 4:45 pm
Sample : 12008381-14,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #12: 1260-4



Original Peak Response = 219375936

Manual Peak Response = 225387332 M4

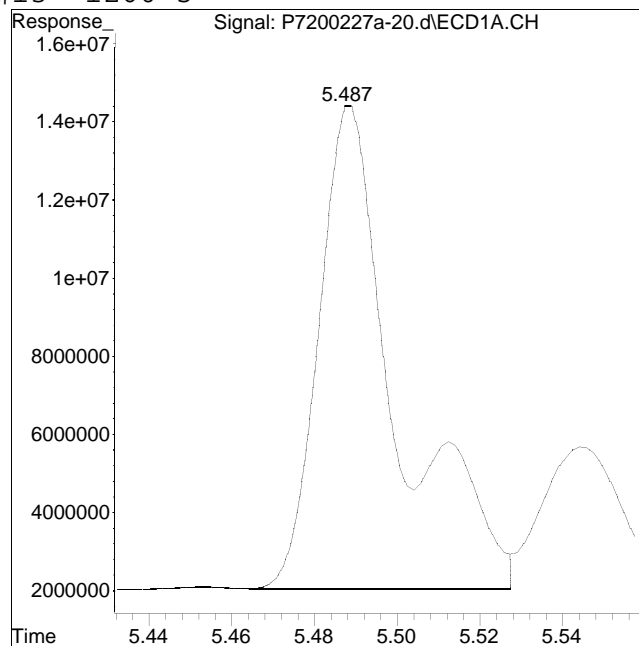
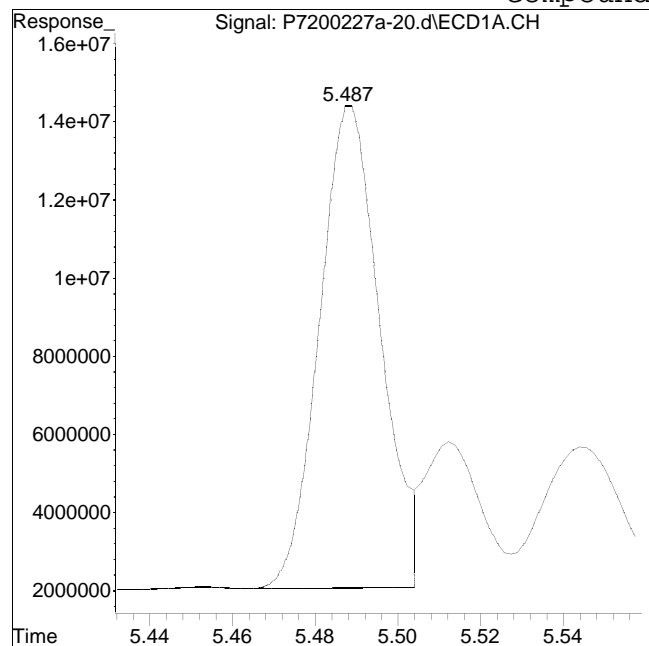
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-20.d
Date Inj'd : 2/27/2020 4:45 pm
Sample : 12008381-14,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #13: 1260-5



Original Peak Response = 125121936

Manual Peak Response = 161512972 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-21.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 4:58 pm
 Operator : pest7:cw
 Sample : l2008381-16,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:22:58 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	1.890	1.941	477.0E6	377.8E6	250.000M1	250.000M4
	Standard Area 1 : #1 = 450981724				Recovery = 105.77%		
	Standard Area 1 : #2 = 348675887				Recovery = 108.35%		
14) i	2154_1br2nb	1.890	1.941	477.0E6	377.8E6	250.000M1	250.000M4
23) i	4268_1br2nb	1.890	1.941	477.0E6	377.8E6	250.000M1	250.000M4
34) i	1248_1br2nb	1.890	1.941	477.0E6	377.8E6	250.000M1	250.000M4
40) i	3262_1br2nb	1.890	1.941	477.0E6	377.8E6	250.000M1	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.319	2.460	702.8E6	548.1E6	299.454	299.889M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 59.89%		59.98%	
3) s	Decachlorobi	6.223	6.638	489.2E6	402.1E6	314.031	366.007M4
	Spiked Amount 500.000 Range 30 - 150			Recovery = 62.81%		73.20%	
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	5.072	5.471	168.5E6	121.1E6	1613.724	1572.723

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-21.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 4:58 pm
 Operator : pest7:cw
 Sample : l2008381-16,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:22:58 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	12 1260-4	5.292	5.645	340.1E6	284.9E6	1460.043	1789.762M3
13)	12 1260-5	5.489	5.889	307.4E6	207.7E6	1919.868M1	1869.315
	Sum 1260-1			816.0E6	613.7E6	4993.636	5231.800
	Average 1260-1					1664.545	1743.933
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	3.730f	0.000	534.1E6	0	6447.001	N.D. d
19)	14 1254-2	3.935f	4.290	819.3E6	492.8E6	5627.119M3	6744.690
20)	14 1254-3	4.248f	4.642	1146.9E6	949.0E6	8223.288	8557.603
21)	14 1254-4	4.462f	4.816	492.8E6	334.8E6	4478.042	4537.763
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			2993.1E6	1776.5E6	24775.449	19840.056
	Average 1254-1					6193.862	6613.352
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-21.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 4:58 pm
 Operator : pest7:cw
 Sample : l2008381-16,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:22:58 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-21.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 4:58 pm
 Operator : pest7:cw
 Sample : l2008381-16,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:22:58 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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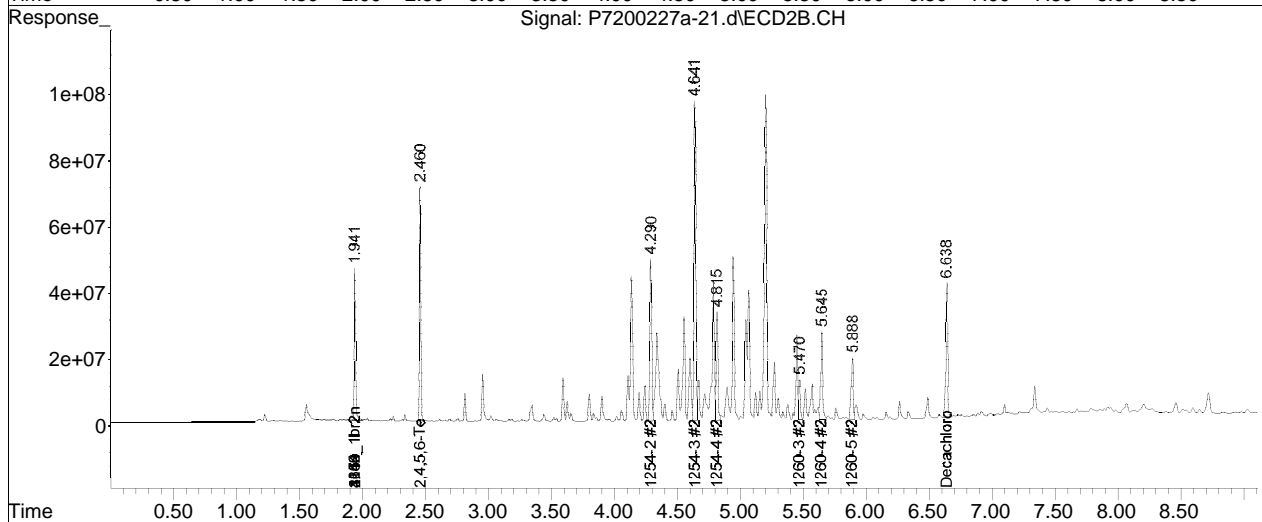
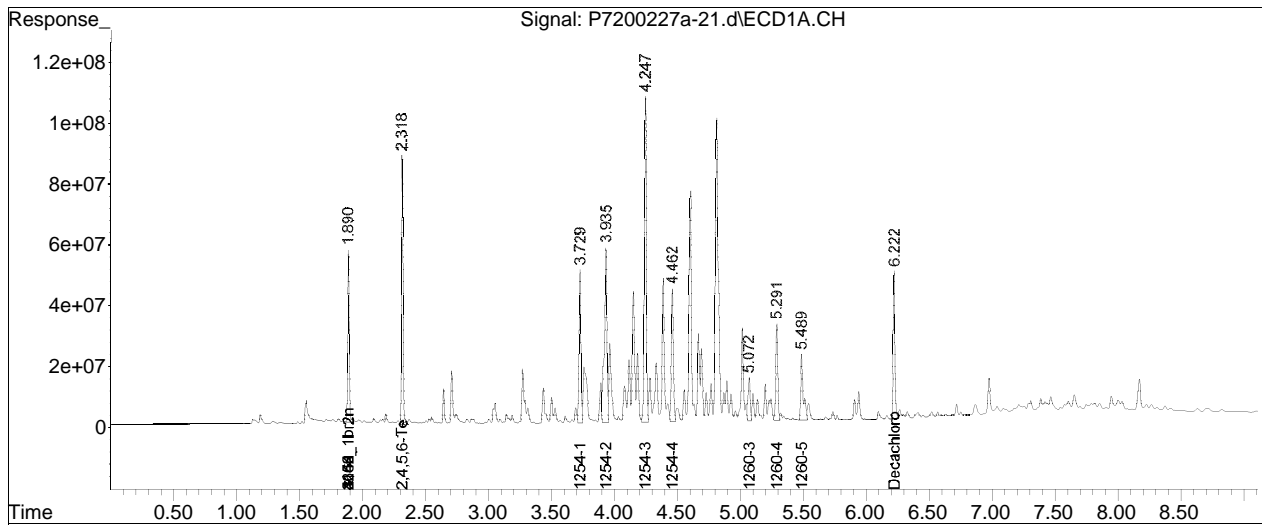
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-03.d••ed)

Data Path : I:\Pest7\200227A\
Data File : P7200227a-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Feb 2020 4:58 pm
Operator : pest7:cw
Sample : l2008381-16,42e,,
Misc : wg1345035,wg1344816,ical15997
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 09:22:58 2020
Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

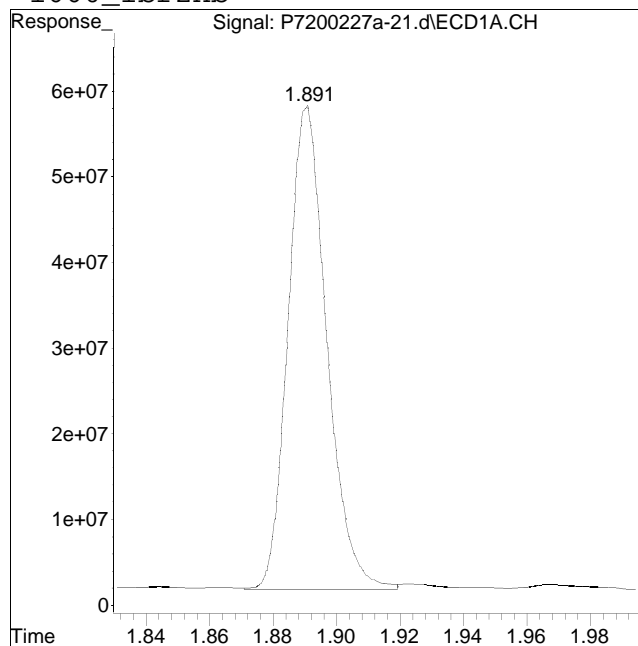
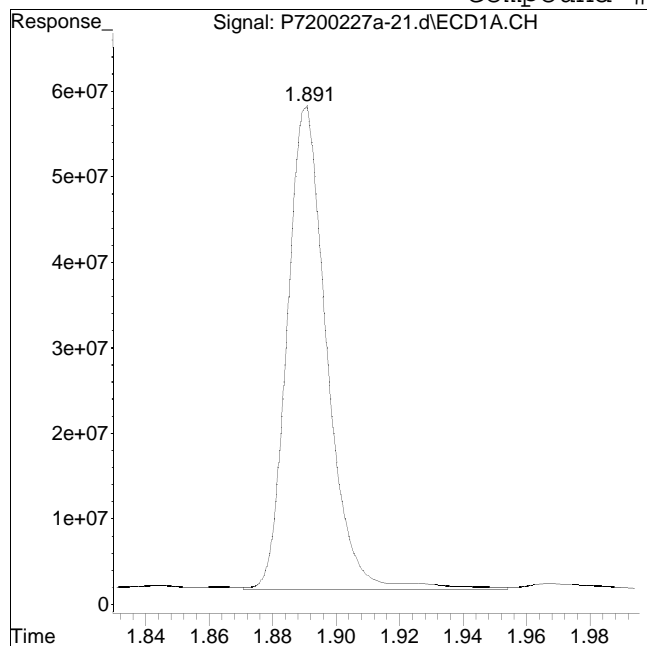


Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-21.d
Date Inj'd : 2/27/2020 4:58 pm
Sample : 12008381-16,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #1: 1660_1br2nb



Original Peak Response = 490660332

Manual Peak Response = 476992232 M1

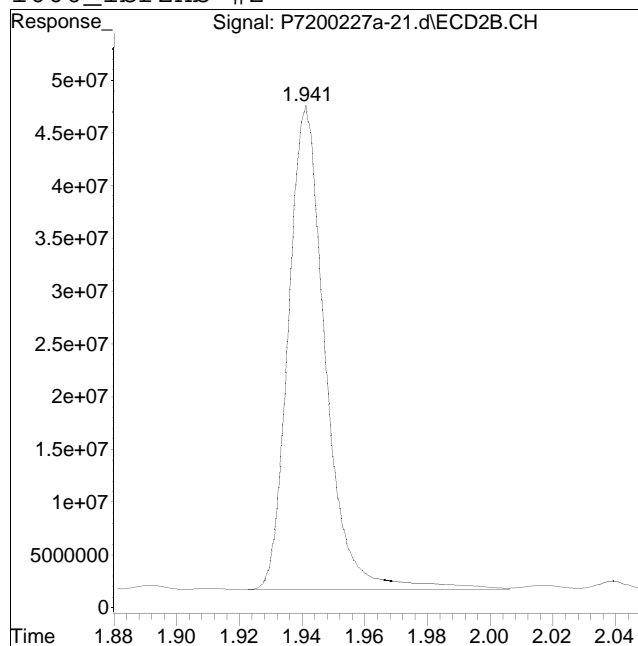
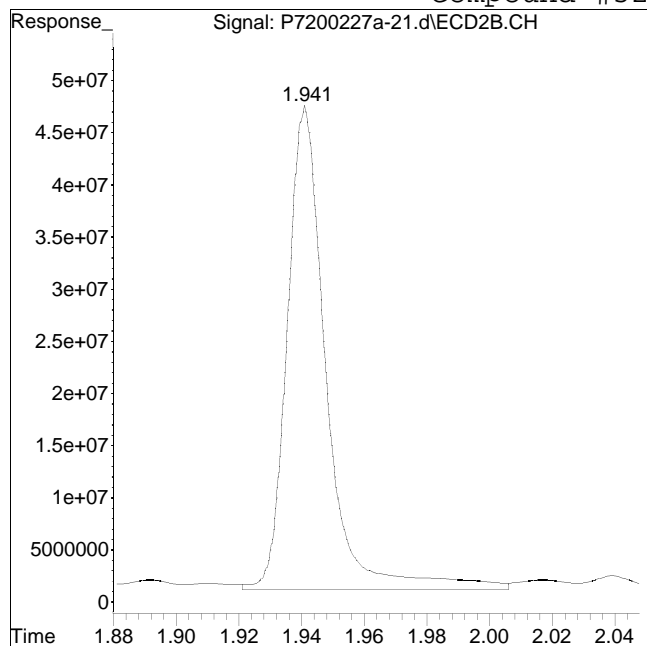
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-21.d
Date Inj'd : 2/27/2020 4:58 pm
Sample : 12008381-16,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 403868004

Manual Peak Response = 377805956 M4

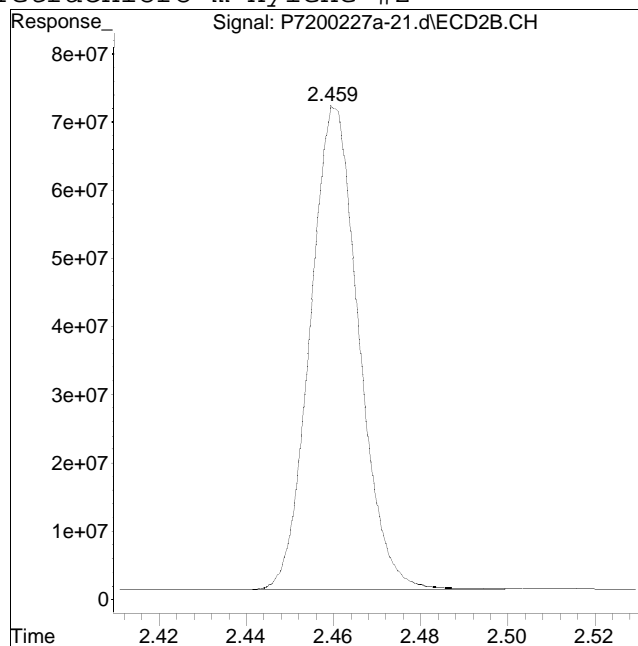
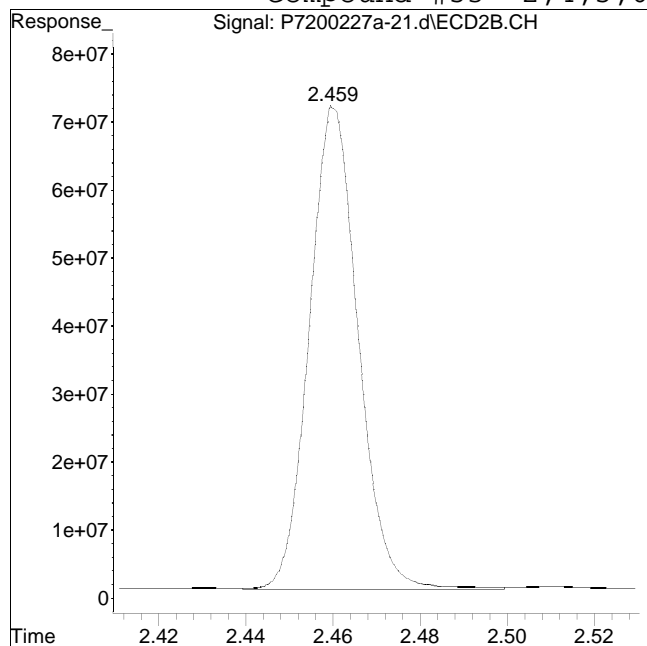
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-21.d
Date Inj'd : 2/27/2020 4:58 pm
Sample : 12008381-16,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 555457439

Manual Peak Response = 548131975 M4

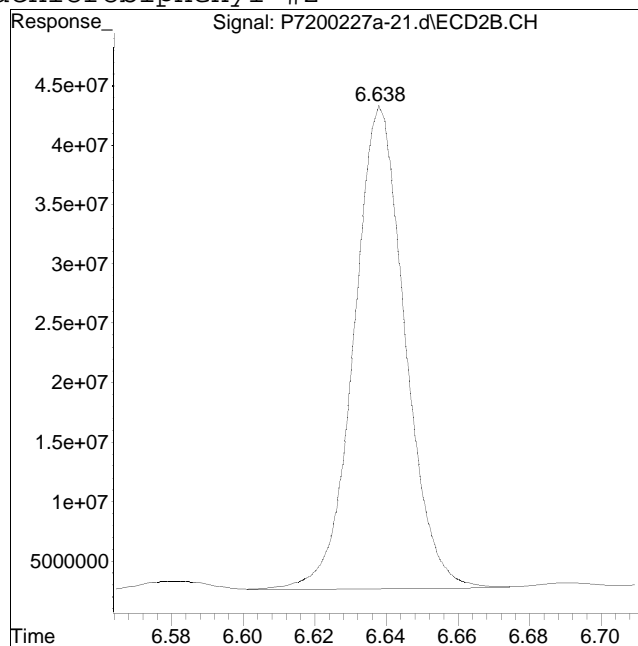
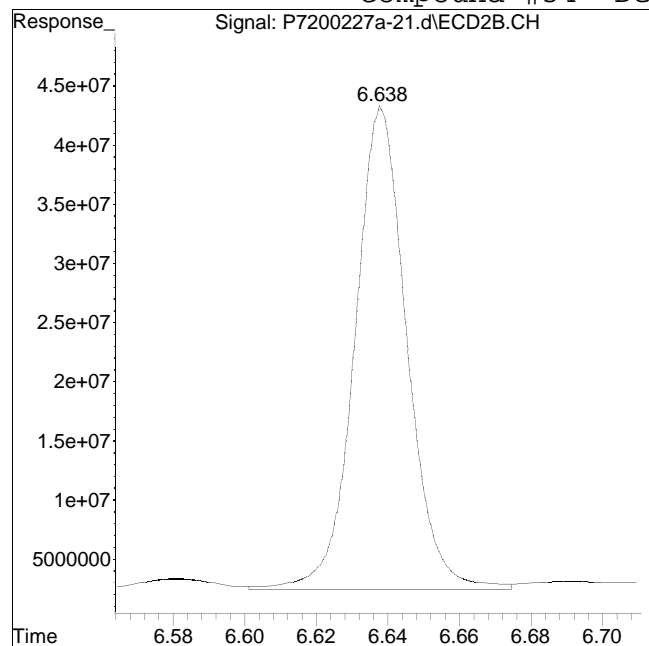
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-21.d
Date Inj'd : 2/27/2020 4:58 pm
Sample : 12008381-16,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 412647208

Manual Peak Response = 402059049 M4

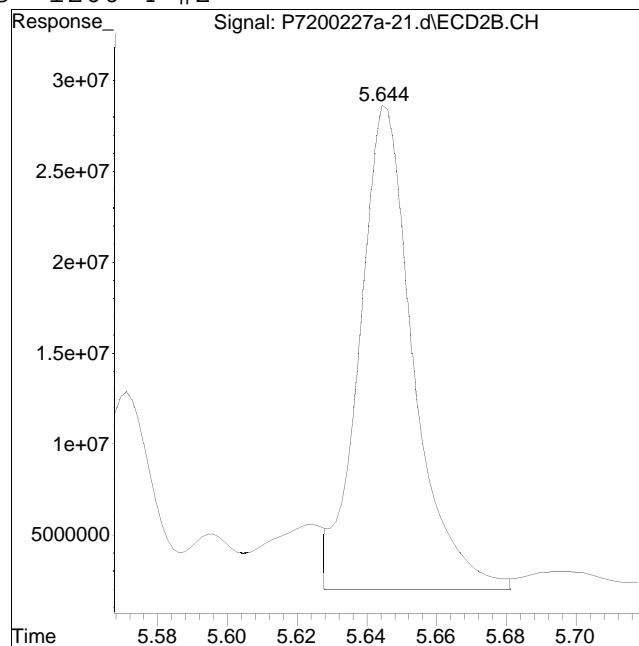
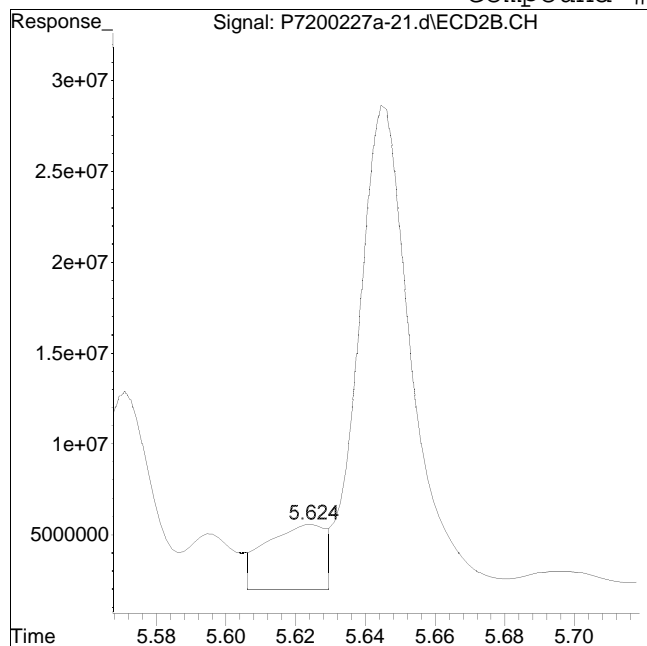
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-21.d
Date Inj'd : 2/27/2020 4:58 pm
Sample : 12008381-16,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #63: 1260-4 #2



Original Peak Response = 41583079

Manual Peak Response = 284911794 M3

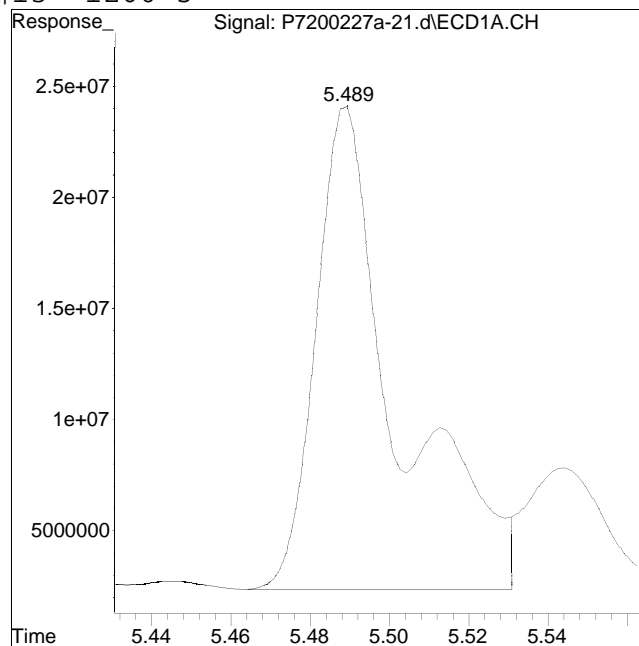
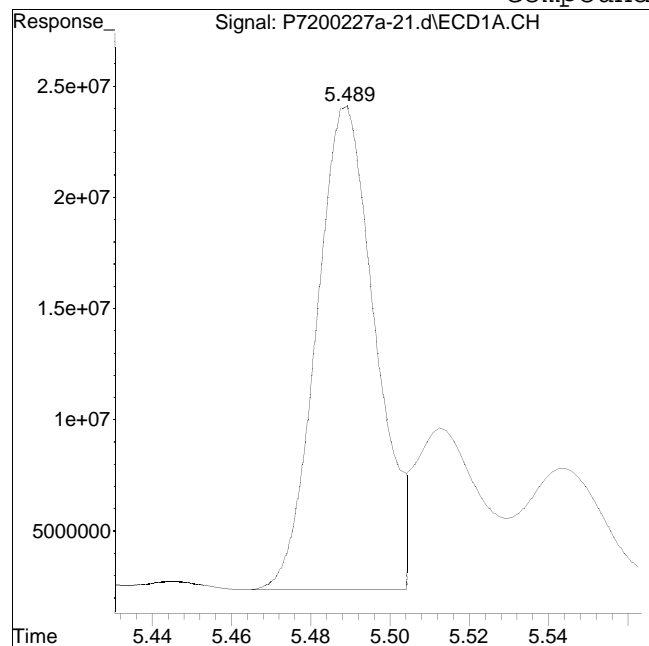
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-21.d
Date Inj'd : 2/27/2020 4:58 pm
Sample : 12008381-16,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #13: 1260-5



Original Peak Response = 222769134

Manual Peak Response = 307422118 M1

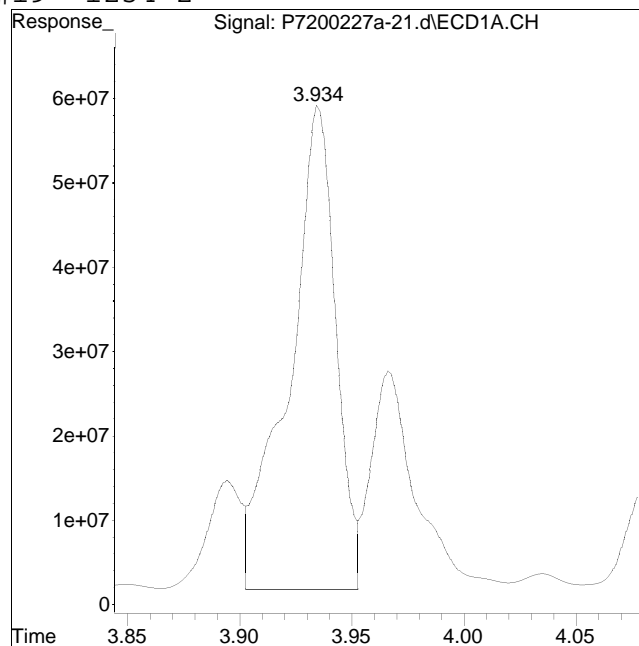
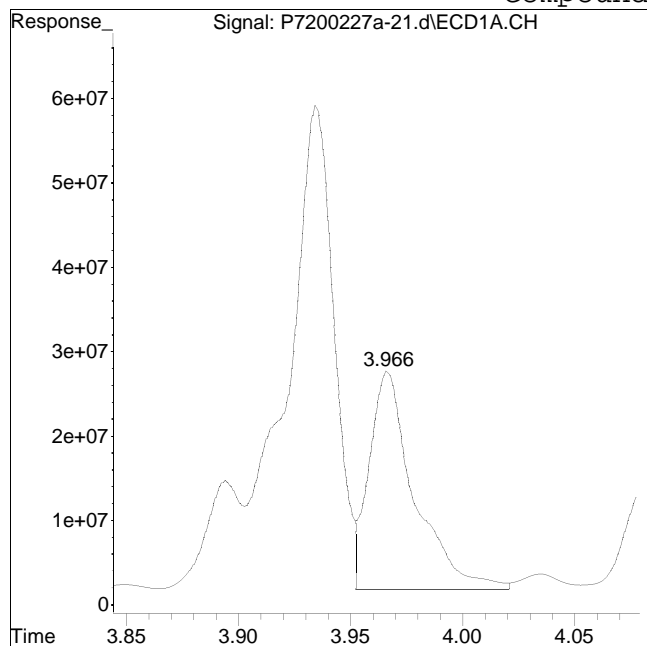
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-21.d
Date Inj'd : 2/27/2020 4:58 pm
Sample : 12008381-16,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #19: 1254-2



Original Peak Response = 363634781

Manual Peak Response = 819342553 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-22.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 5:10 pm
 Operator : pest7:cw
 Sample : l2008381-17,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:26:28 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.891	1.941	498.4E6	380.6E6	250.000	250.000M4
Standard Area 1 : #1 = 450981724					Recovery =	110.52%
Standard Area 1 : #2 = 348675887					Recovery =	109.16%
14) i 2154_1br2nb	1.891	1.941	498.4E6	380.6E6	250.000	250.000M4
23) i 4268_1br2nb	1.891	1.941	498.4E6	380.6E6	250.000	250.000M4
34) i 1248_1br2nb	1.891	1.941	498.4E6	380.6E6	250.000	250.000M4
40) i 3262_1br2nb	1.891	1.941	498.4E6	380.6E6	250.000	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.318	2.460	600.5E6	480.6E6	244.877M4	261.002M4
Spiked Amount	500.000	Range 30 - 150	Recovery =	48.98%	52.20%	
3) s Decachlorobi	6.222	6.636	380.4E6	290.9E6	233.642	262.857M4
Spiked Amount	500.000	Range 30 - 150	Recovery =	46.73%	52.57%	
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	5.072	5.470	39388031	29380971	361.086	378.598
12) l2 1260-4	5.290	5.644	87367454	67979456	358.900M4	423.879M4
13) l2 1260-5	5.488	5.888	78471381	52614226	468.965M1	470.123
Sum 1260-1			205.2E6	150.0E6	1188.951	1272.600

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-22.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 5:10 pm
 Operator : pest7:cw
 Sample : l2008381-17,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:26:28 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					396.317	424.200
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	3.728f	0.000	157.7E6	0	1821.537	N.D. d
19) 14 1254-2	3.933f	4.290	209.5E6	123.9E6	1376.955M3	1683.609
20) 14 1254-3	4.247f	4.642	299.7E6	234.8E6	2056.672	2102.010
21) 14 1254-4	4.462f	4.816	102.8E6	70096523	893.840	943.132
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			769.7E6	428.8E6	6149.003	4728.752
Average 1254-1					1537.251	1576.251
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-22.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 5:10 pm
 Operator : pest7:cw
 Sample : l2008381-17,42e,,
 Misc : wgl345035,wgl344816,ical15997
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:26:28 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-22.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 5:10 pm
 Operator : pest7:cw
 Sample : l2008381-17,42e,,
 Misc : wgl1345035,wgl1344816,ical15997
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 09:26:28 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

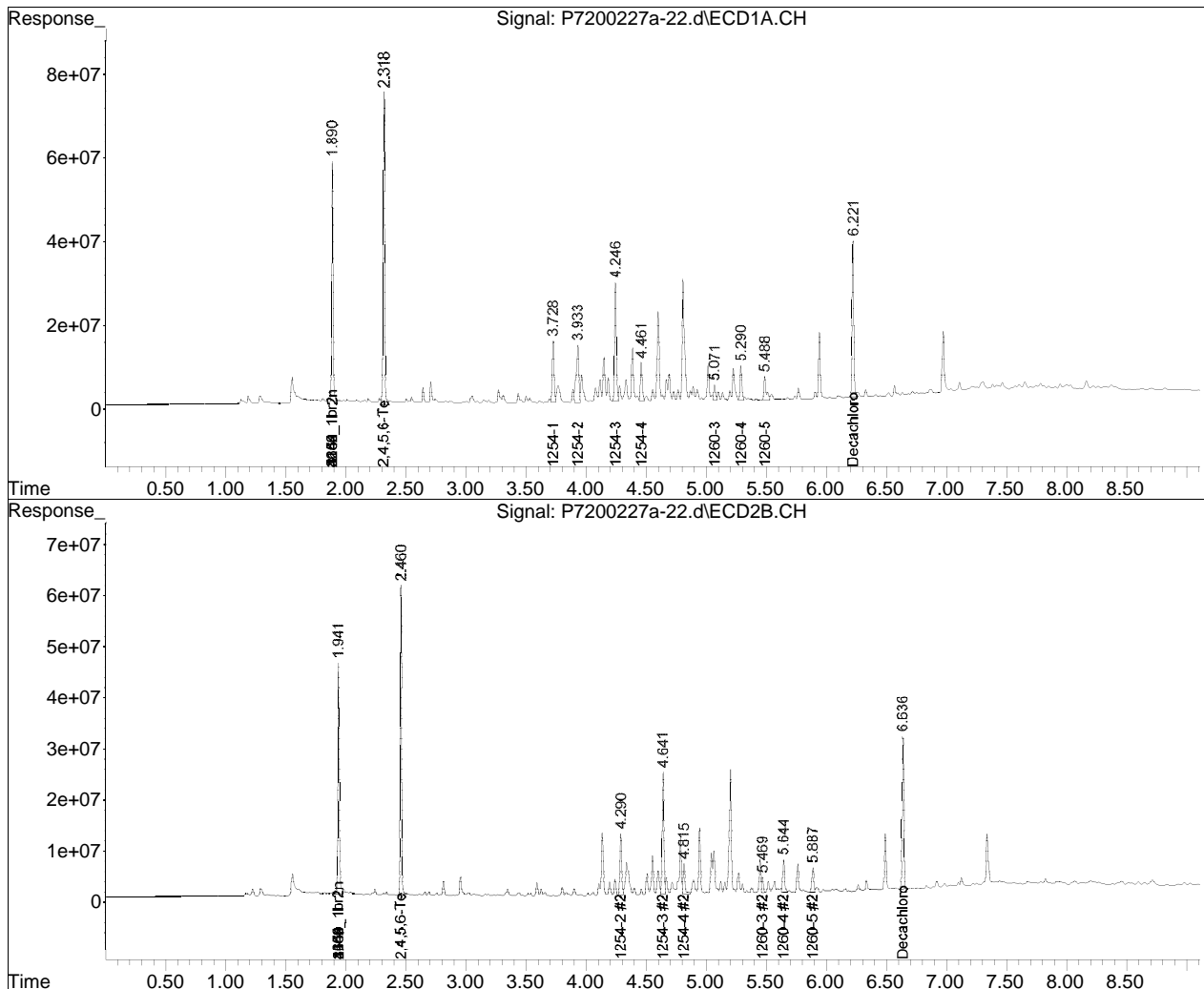
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-03.d••ed)

Data Path : I:\Pest7\200227A\
Data File : P7200227a-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Feb 2020 5:10 pm
Operator : pest7:cw
Sample : l2008381-17,42e,,
Misc : wg1345035,wg1344816,ical15997
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 09:26:28 2020
Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

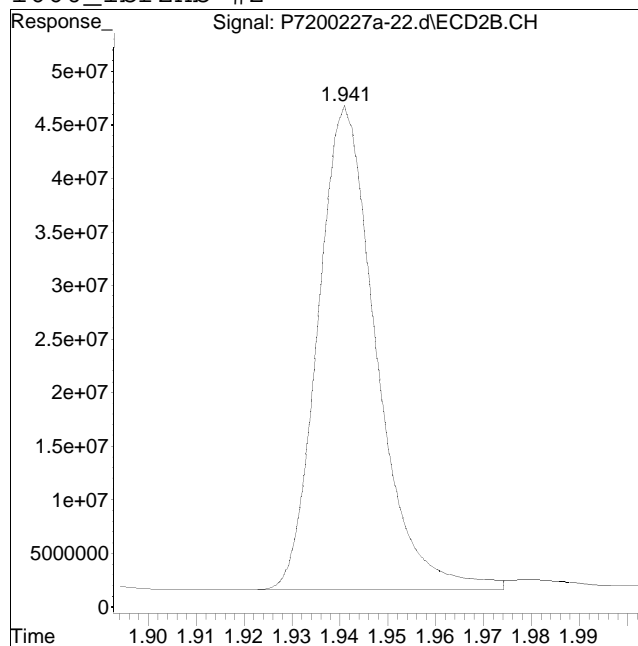
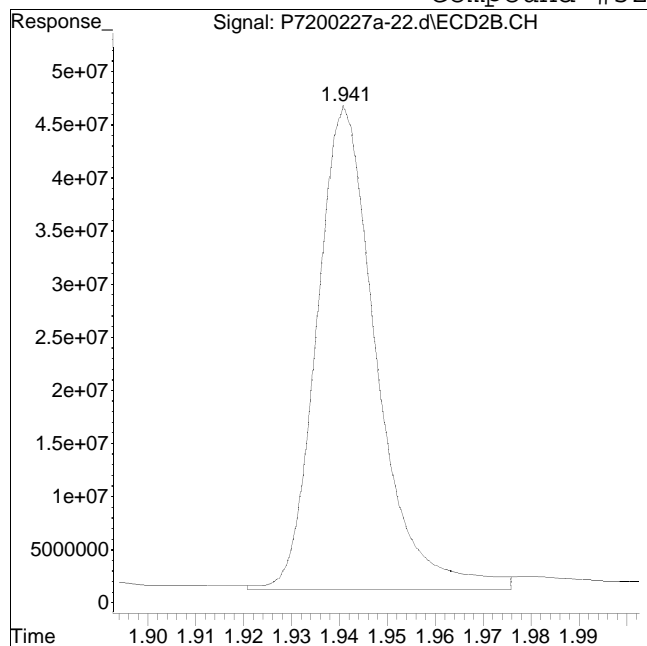


Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-22.d
Date Inj'd : 2/27/2020 5:10 pm
Sample : 12008381-17,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 393986156

Manual Peak Response = 380617687 M4

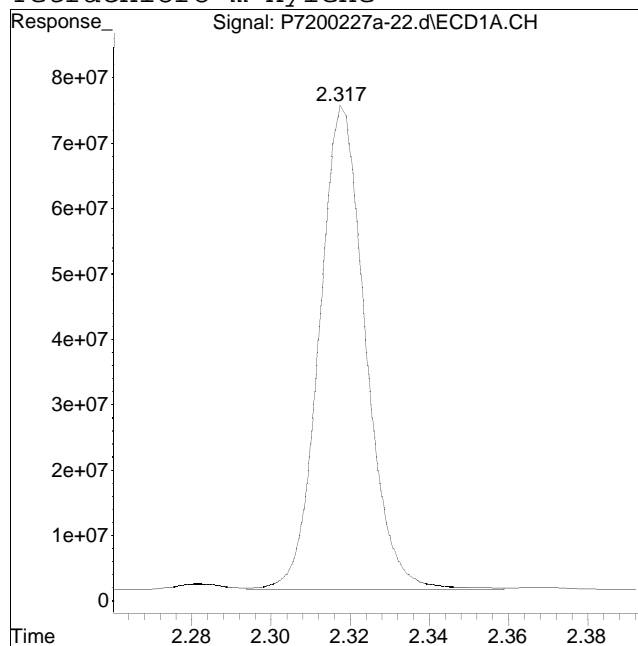
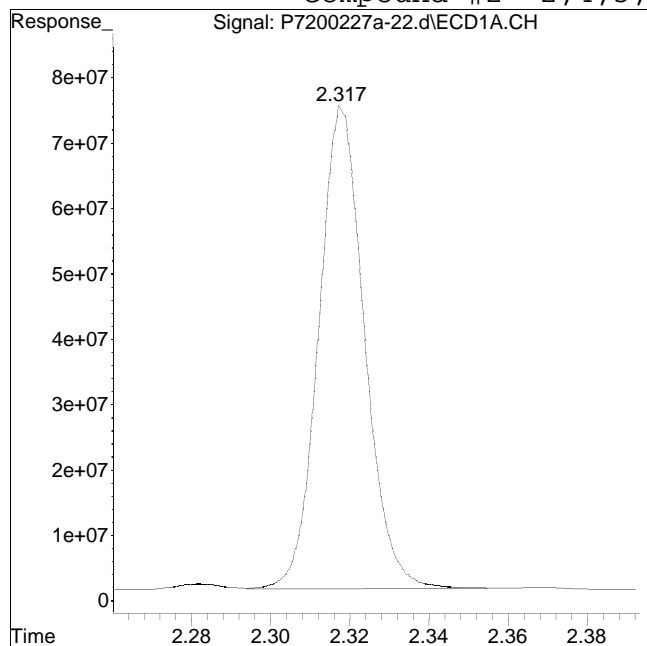
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-22.d
Date Inj'd : 2/27/2020 5:10 pm
Sample : 12008381-17,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 594096255

Manual Peak Response = 600519093 M4

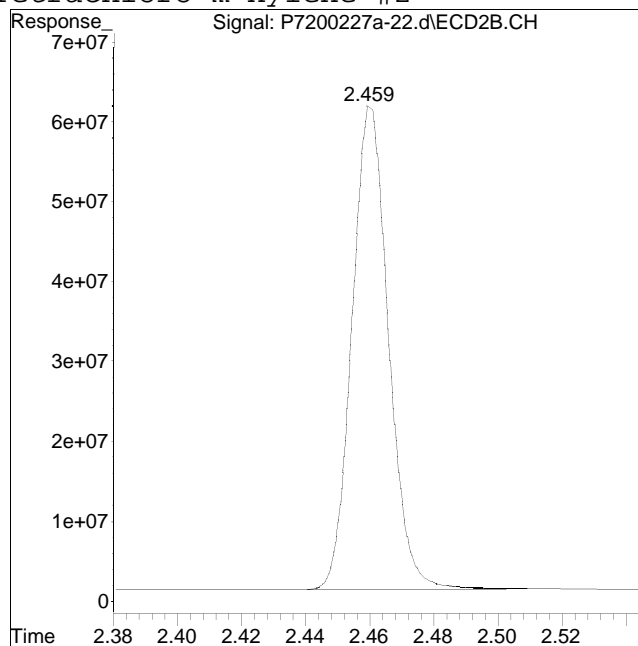
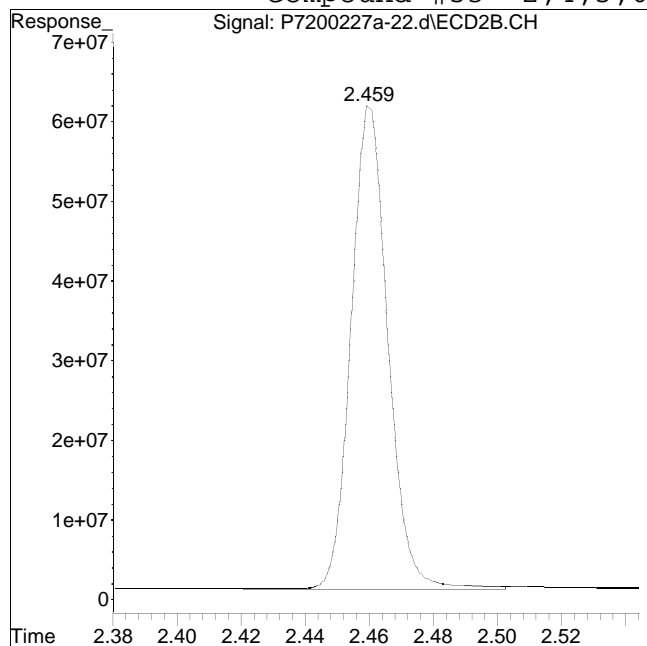
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-22.d
Date Inj'd : 2/27/2020 5:10 pm
Sample : 12008381-17,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 490129858

Manual Peak Response = 480606007 M4

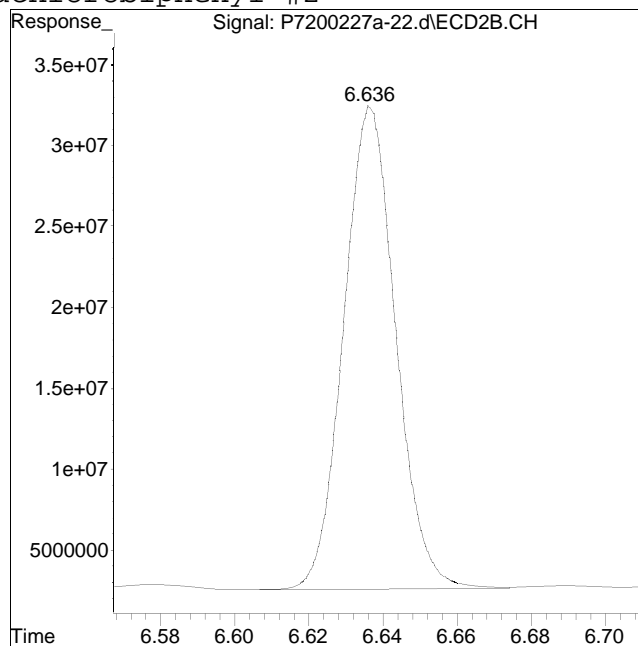
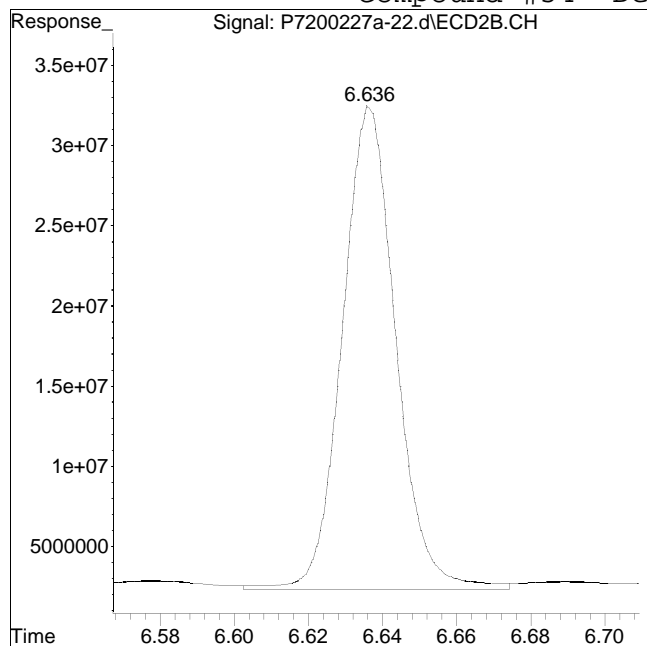
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-22.d
Date Inj'd : 2/27/2020 5:10 pm
Sample : 12008381-17,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 302669987

Manual Peak Response = 290897756 M4

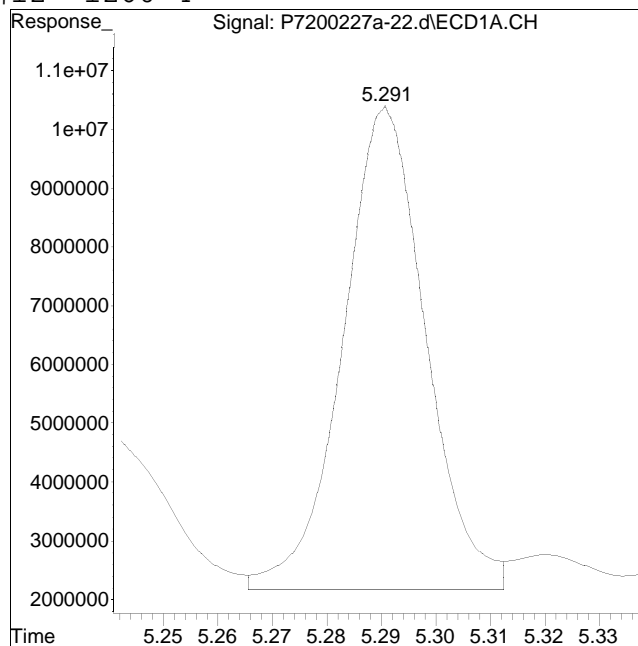
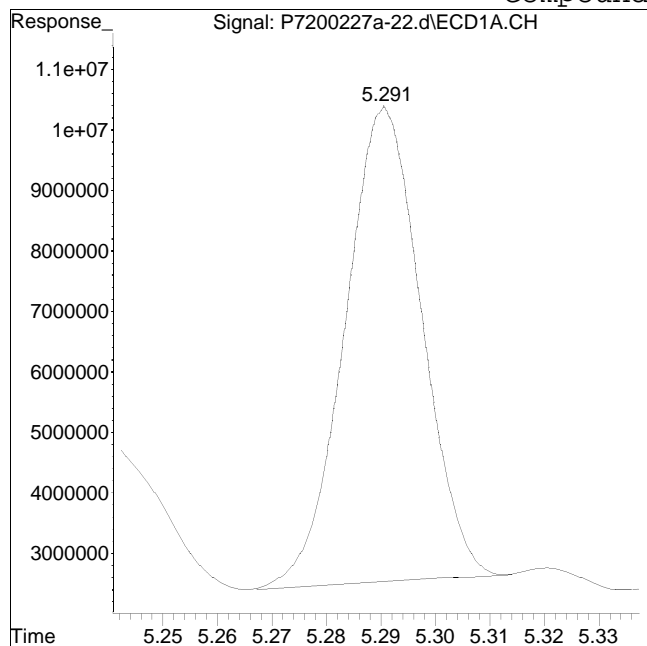
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-22.d
Date Inj'd : 2/27/2020 5:10 pm
Sample : 12008381-17,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #12: 1260-4



Original Peak Response = 76511400

Manual Peak Response = 87367454 M4

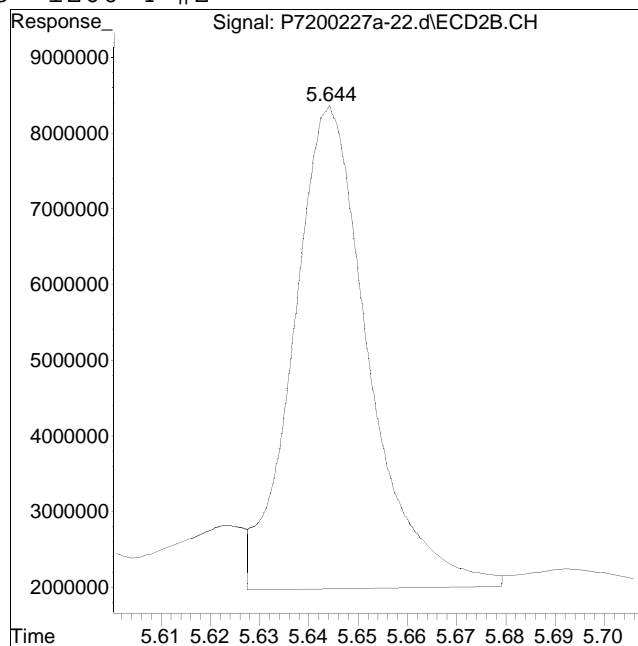
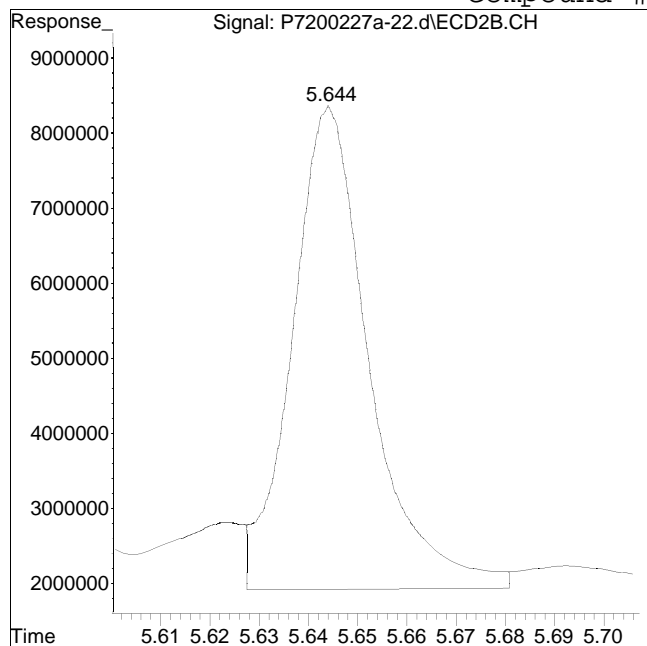
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-22.d
Date Inj'd : 2/27/2020 5:10 pm
Sample : 12008381-17,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #63: 1260-4 #2



Original Peak Response = 70324764

Manual Peak Response = 67979456 M4

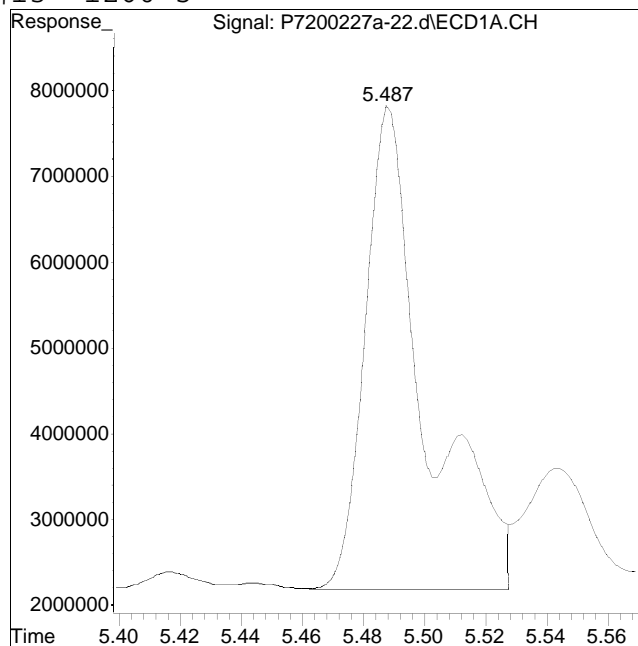
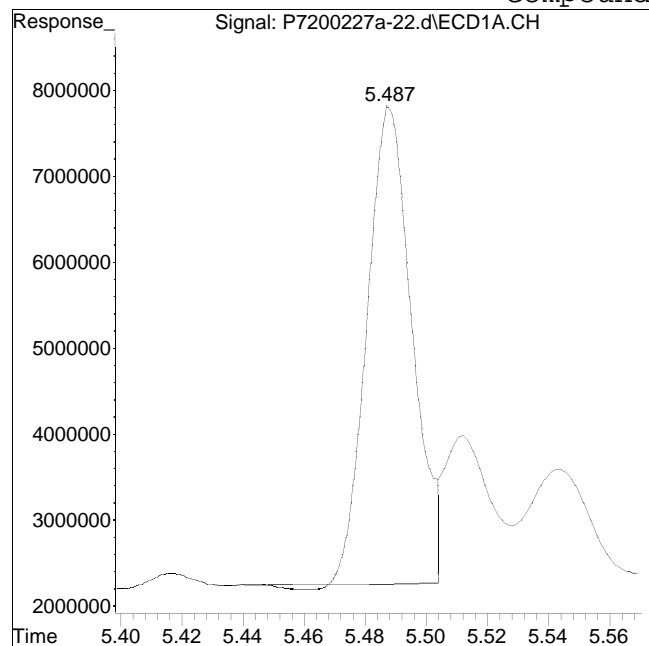
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-22.d
Date Inj'd : 2/27/2020 5:10 pm
Sample : 12008381-17,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #13: 1260-5



Original Peak Response = 55904969

Manual Peak Response = 78471381 M1

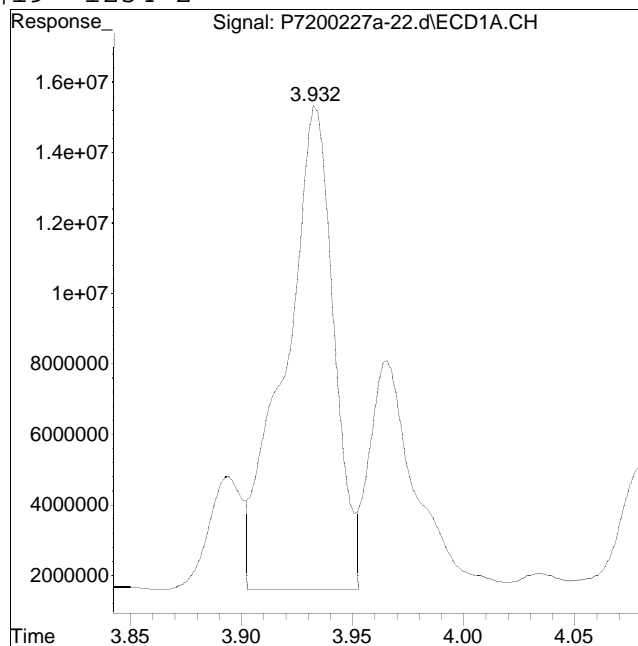
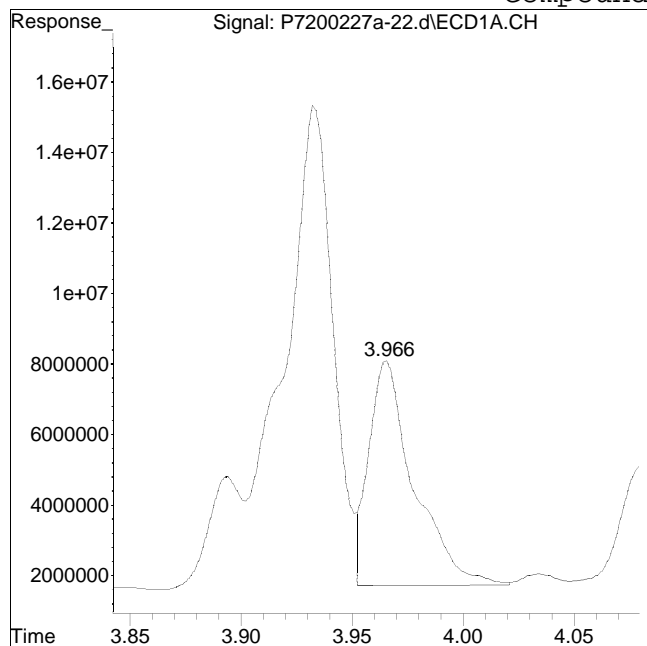
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-22.d
Date Inj'd : 2/27/2020 5:10 pm
Sample : 12008381-17,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:17 am

Compound #19: 1254-2



Original Peak Response = 91800290

Manual Peak Response = 209510705 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 1:29 pm
 Operator : pest7:cw
 Sample : wg1344816-1,42e,,
 Misc : wg1345035,wg1344816,ical15997
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:17:53 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.897	1.937	511.1E6	397.1E6	250.000	250.000
Standard Area 1 : #1 = 450981724					Recovery =	113.33%
Standard Area 1 : #2 = 348675887					Recovery =	113.88%
14) i 2154_1br2nb	1.897	1.937	511.1E6	397.1E6	250.000	250.000
23) i 4268_1br2nb	1.897	1.937	511.1E6	397.1E6	250.000	250.000
34) i 1248_1br2nb	1.897	1.937	511.1E6	397.1E6	250.000	250.000
40) i 3262_1br2nb	1.897	1.937	511.1E6	397.1E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.328	2.458	884.5E6	721.0E6	351.761M4	375.330
Spiked Amount 500.000	Range 30 - 150				Recovery =	70.35% 75.07%
3) s Decachlorobi	6.241	6.653	592.8E6	426.0E6	355.144	368.976M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	71.03% 73.80%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 1:29 pm
 Operator : pest7:cw
 Sample : wg1344816-1,42e,,
 Misc : wg1345035,wg1344816,ical15997
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:17:53 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D.	N.D.
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 1:29 pm
 Operator : pest7:cw
 Sample : wg1344816-1,42e,,
 Misc : wg1345035,wg1344816,ical15997
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:17:53 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200227A\P7200227a-03.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

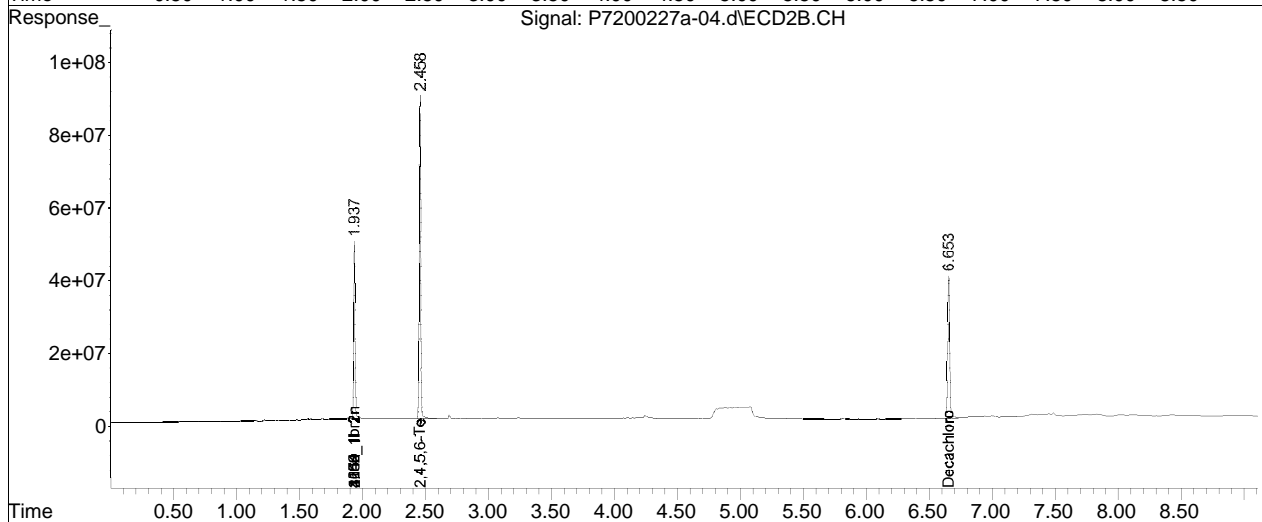
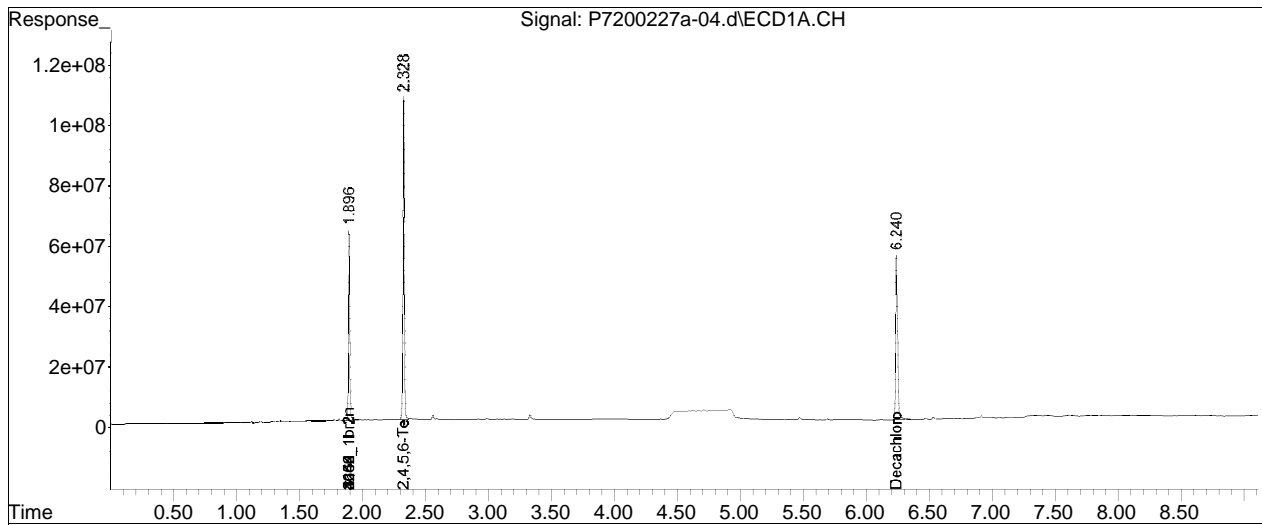
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-03.d••ed)

Data Path : I:\Pest7\200227A\
 Data File : P7200227a-04.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 27 Feb 2020 1:29 pm
 Operator : pest7:cw
 Sample : wg1344816-1,42e,,
 Misc : wg1345035,wg1344816,ical15997
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 08:17:53 2020
 Quant Method : I:\Pest7\200227A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

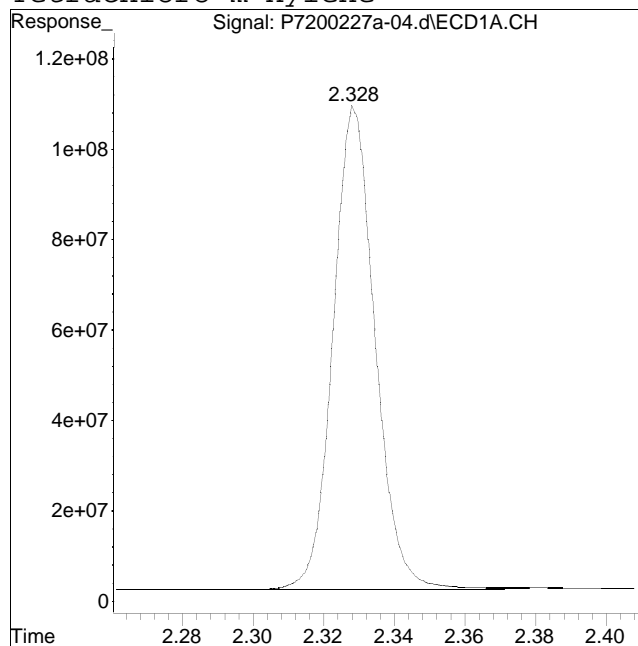
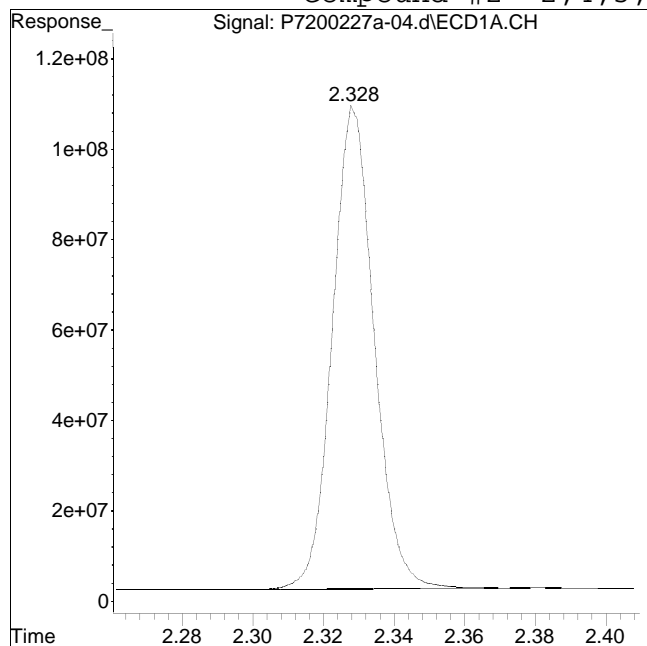


Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-04.d
Date Inj'd : 2/27/2020 1:29 pm
Sample : wg1344816-1,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 874864286

Manual Peak Response = 884489999 M4

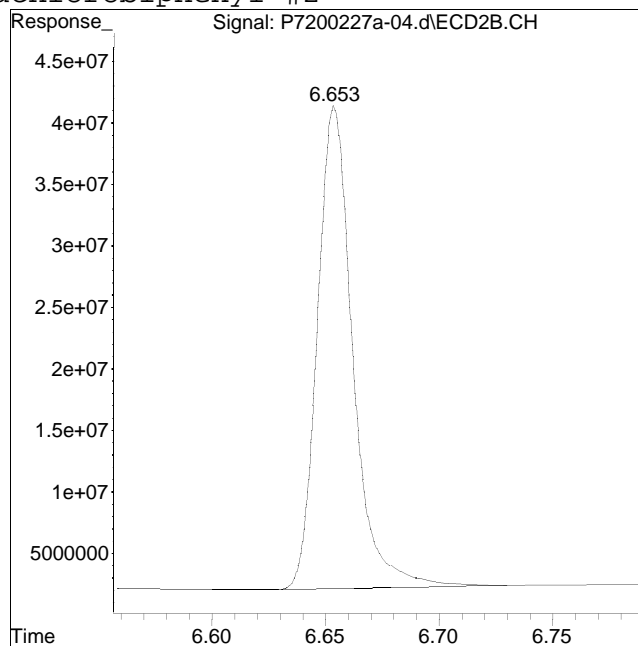
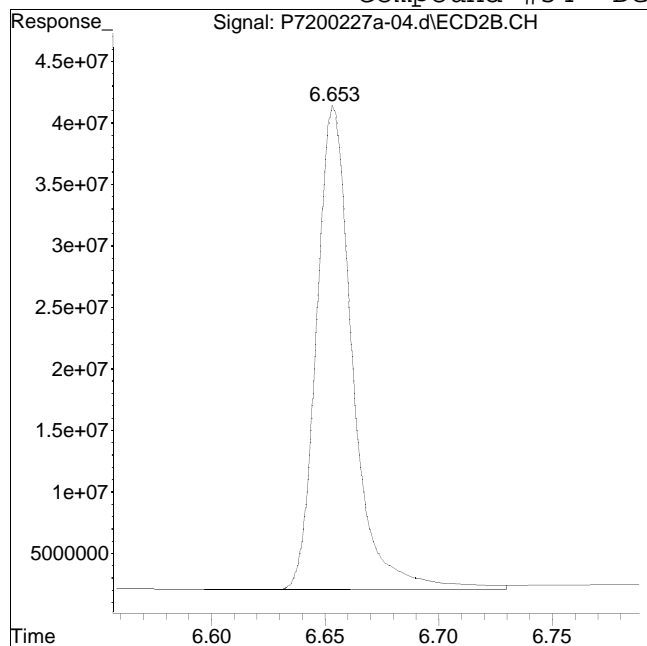
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200227A\
Data File : P7200227a-04.d
Date Inj'd : 2/27/2020 1:29 pm
Sample : wg1344816-1,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 8:16 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 434056058

Manual Peak Response = 425986540 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200226B\
 Data File : P2200226b-06.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 11:41 am
 Operator : pest2:aws
 Sample : wg1344382-1,42e,,
 Misc : wg1344585,wg1344382,ical16010
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:14:20 2020
 Quant Method : I:\Pest2\200226B\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200226B\P2200226b-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.096	2.280	120.0E6	78034783	25.000	25.000
Standard Area 1 : #1 = 91855920				Recovery =		130.61%
Standard Area 1 : #2 = 62402765				Recovery =		125.05%
14) i 2154_1br2nb	2.096	2.280	120.0E6	78034783	25.000	25.000
23) i 4268_1br2nb	2.096	2.280	120.0E6	78034783	25.000	25.000
34) i 1248_1br2nb	2.096	2.280	120.0E6	78034783	25.000	25.000
40) i 3262_1br2nb	2.096	2.280	120.0E6	78034783	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.577	2.922	59532754	40838144	12.094	12.420
Spiked Amount 20.000	Range 30 - 150		Recovery =		60.47%	62.10%
3) s Decachlorobi	6.574	7.268	67602426	38253447	14.306	14.883
Spiked Amount 20.000	Range 30 - 150		Recovery =		71.53%	74.41%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200226B\
 Data File : P2200226b-06.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 11:41 am
 Operator : pest2:aws
 Sample : wg1344382-1,42e,,
 Misc : wg1344585,wg1344382,ical16010
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:14:20 2020
 Quant Method : I:\Pest2\200226B\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200226B\P2200226b-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31)	19 1268-3	0.000	0.000	0	0	N.D.	N.D.
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200226B\
 Data File : P2200226b-06.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Feb 2020 11:41 am
 Operator : pest2:aws
 Sample : wg1344382-1,42e,,
 Misc : wg1344585,wg1344382,ical16010
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Feb 26 13:14:20 2020
 Quant Method : I:\Pest2\200226B\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200226B\P2200226b-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

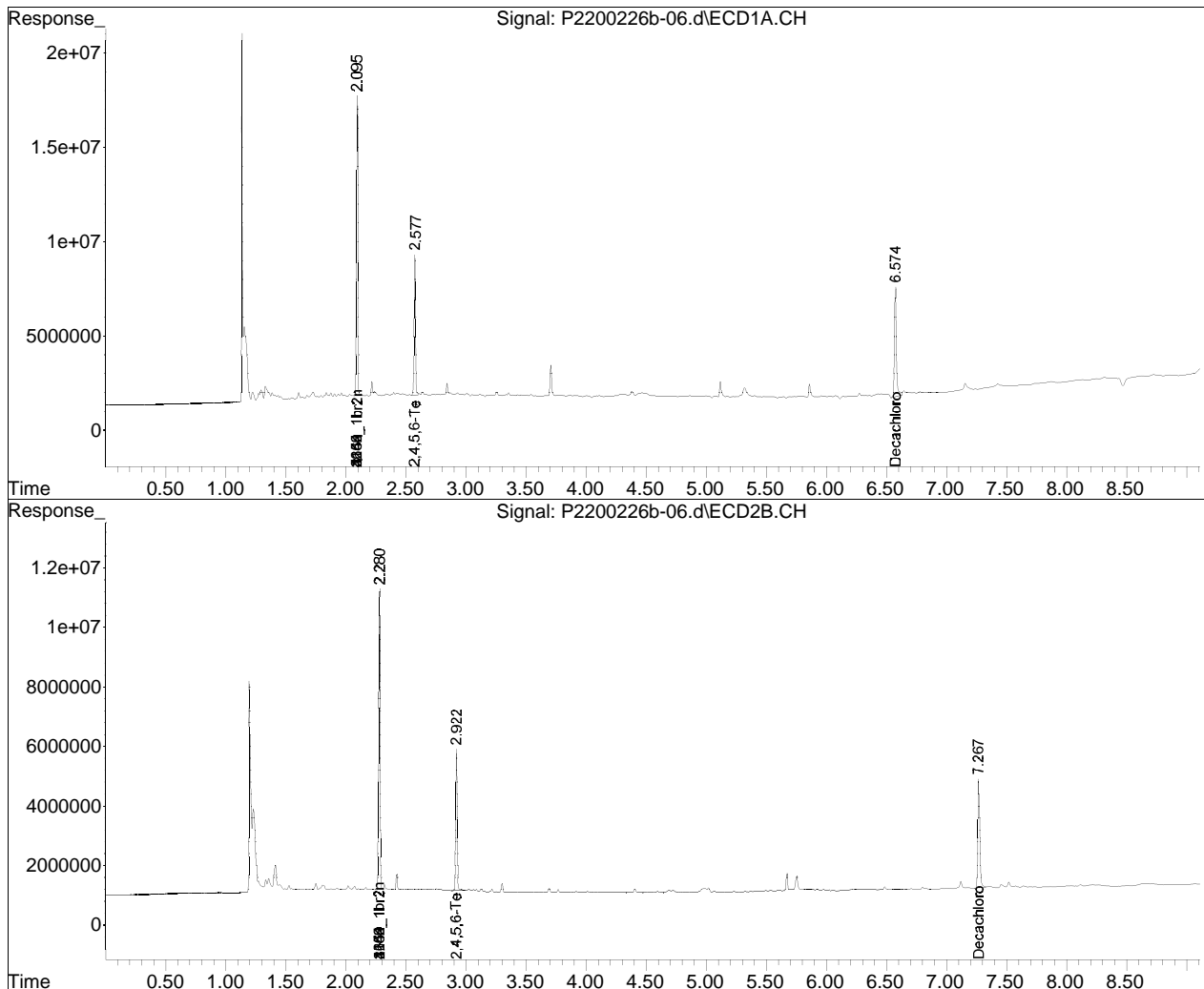
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200226B\
Data File : P2200226b-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Feb 2020 11:41 am
Operator : pest2:aws
Sample : wg1344382-1,42e,,
Misc : wg1344585,wg1344382,ical16010
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Feb 26 13:14:20 2020
Quant Method : I:\Pest2\200226B\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest2\200226B\ Data File	: P200226b-06.d	QMethod	: P2_pcb_08_06_19_LVI_ugL_
Date Inj'd	: 2/26/2020 11:41 am		Operator	: pest2:aws
Sample	: wg1344382-1,42e,,		Instrument	: PEST 2
			Quant Date	: 2/26/2020 1:13 pm

There are no manual integrations or false positives in this file.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-01	Date Collected : 02/25/20 09:15
Client ID : E-168-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-02	Date Collected : 02/25/20 09:24
Client ID : E-168-2.0-2.5	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 91
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-04	Date Collected : 02/25/20 10:05
Client ID : E-170-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 87
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-05	Date Collected : 02/25/20 10:12
Client ID : E-170-2.0-2.5	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-06	Date Collected : 02/25/20 10:40
Client ID : E-159-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-07	Date Collected : 02/25/20 10:53
Client ID : E-159-2.0-2.4	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-08	Date Collected : 02/25/20 11:26
Client ID : E-166-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-09	Date Collected : 02/25/20 11:31
Client ID : E-166-2.0-2.5	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-10	Date Collected : 02/25/20 12:02
Client ID : E-165-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	84.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-11	Date Collected : 02/25/20 12:16
Client ID : E-165-2.0-2.5	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 77
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	77.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-13	Date Collected : 02/25/20 13:28
Client ID : E-167-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-14	Date Collected : 02/25/20 13:35
Client ID : E-167-2.0-2.5	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-16	Date Collected : 02/25/20 14:06
Client ID : E-200-0.5-1.0	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-17	Date Collected : 02/25/20 14:35
Client ID : E-200-2.0-2.5	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 76
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	75.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008381-19	Date Collected : 02/25/20 00:00
Client ID : X-11-02252020	Date Received : 02/25/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 82
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008381
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1344580-1	Date Collected : 02/25/20 09:15
Client ID : E-168-0.5-1.0DUP	Date Received : 02/25/20
Sample Location :	Date Analyzed : 02/26/20 11:43
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1344580.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.3	0.100	NA	



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008381
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-168-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2008381-01	Analysis Date	: 02/26/20 11:43
Dup Sample ID	: WG1344580-1	DUP Analysis Date	: 02/26/20 11:43

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	85.6	85.3	0	20





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Lab Number: L2008618

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-NEW BARRACKS

Project Number: 277710568.0007.03

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Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0007.03		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2008618		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/26/2020		Date of Last Sample Receipt: 02/26/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-98-0.5-1.0	L2008618-01	AMTRAK-NEW BARRACKS	02/26/2020 09:48
E-98-3.0-3.5	L2008618-02	AMTRAK-NEW BARRACKS	02/26/2020 10:03
E-98-4.0-4.5	L2008618-03	AMTRAK-NEW BARRACKS	02/26/2020 10:11
E-108-0.5-1.0	L2008618-04	AMTRAK-NEW BARRACKS	02/26/2020 10:39
E-108-3.0-3.5	L2008618-05	AMTRAK-NEW BARRACKS	02/26/2020 10:49
E-108-4.0-4.5	L2008618-06	AMTRAK-NEW BARRACKS	02/26/2020 10:53
E-101-0.5-1.0	L2008618-07	AMTRAK-NEW BARRACKS	02/26/2020 11:24
E-101-3.0-3.5	L2008618-08	AMTRAK-NEW BARRACKS	02/26/2020 11:43
E-106-0.5-1.0	L2008618-09	AMTRAK-NEW BARRACKS	02/26/2020 12:33
E-106-4.0-4.5	L2008618-10	AMTRAK-NEW BARRACKS	02/26/2020 12:39

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.


Technical Director/Representative (Typed) Kelly Stenstrom	03/11/20
Technical Director/Representative (Signature)  Kelly Stenstrom	

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E-106-0.5-1.0 (L2008618-09) Analyzed: 03/07/20 12:39 Chan. A&B	129
E-106-4.0-4.5 (L2008618-10) Analyzed: 03/07/20 12:51 Chan. A&B	137
E-108-0.5-1.0 (L2008618-04D) Analyzed: 03/08/20 22:45 Chan. A&B	148
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E-98-3.0-3.5 (L2008618-02D) Analyzed: 03/02/20 13:54 Chan. A&B	160
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Chain of Custody



L2008618 00

 NEW JERSEY CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	NEW JERSEY CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3268	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1	Date Rec'd in Lab: 2/27/20	ALPHA Job # L2008618														
		Project Information Project Name: AMTRAK - EAST BARACKS Project Location: TRENTON NJ Project # 277710568-0007-03 (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input checked="" type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO #													
Client Information Client: WOOD E&S Address: 285 DAVENPORT AVE #405 SOMERSET NJ 08873 Phone: 1-732-302-9500 Fax: 1-732-302-9504 Email: verlene.lindhardt@woodpile.com		Regulatory Requirement <input checked="" type="checkbox"/> SRS Residential/Non Residential <input checked="" type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other		Site Information Is this site impacted by Petroleum? Yes <input type="checkbox"/> Petroleum Product:															
Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		ANALYSIS		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below)															
These samples have been previously analyzed by Alpha <input type="checkbox"/>		Other project specific requirements/comments: H = HOLD ANALYSIS Please specify Metals or TAL.		Sample Specific Comments															
For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2		For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011		(Vertical text on right edge of table)															
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PRES (SW SWB BOD BTL)													
08618-01	E-98-0.5-1.0	2-26-20	0948	SOIL	NDF	X													
02	E-98-3.0-3.5	2-26-20	1003	SOIL	NDF	X													
03	E-98-4.0-4.5	2-26-20	1011	SOIL	NDF	H													
04	E-108-0.5-1.0	2-26-20	1039	SOIL	NDF	H													
05	E-108-3.0-3.5	2-26-20	1049	SOIL	NDF	H													
06	E-108-4.0-4.5	2-26-20	1053	SOIL	NDF	H													
07	E-101-0.5-1.0	2-26-20	1124	SOIL	NDF	H													
08	E-101-3.0-3.5	2-26-20	1143	SOIL	NDF	H													
09	E-106-0.5-1.0	2-26-20	1233	SOIL	NDF	H													
10	E-106-4.0-4.5	2-26-20	1239	SOIL	NDF	H													
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type: A		Preservative:		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)									
Relinquished By: WOOD		Date/Time: 2/26/20 20:19:43		Received By: G. JAC (APL)		Date/Time: 2/26/20 18:45		(Handwritten signatures and dates)											

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 11 2020, 04:20 pm

Login Number: L2008618

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0007.03

Received: 26FEB20 Due Date: 11MAR20

Sample #	Client ID	Mat PR Collected
L2008618-01	E-98-0.5-1.0	3 S0 26FEB20 09:48
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 03/11/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2008618-02	E-98-3.0-3.5	3 S0 26FEB20 10:03
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/11/20		
NJ-8082,TS		
L2008618-03	E-98-4.0-4.5	3 S0 26FEB20 10:11
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/11/20		
NJ-8082,TS		
L2008618-04	E-108-0.5-1.0	3 S0 26FEB20 10:39
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/11/20		
NJ-8082,TS		
L2008618-05	E-108-3.0-3.5	3 S0 26FEB20 10:49
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/11/20		
NJ-8082,TS		
L2008618-06	E-108-4.0-4.5	3 S0 26FEB20 10:53
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/11/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 11 2020, 04:20 pm

Login Number: L2008618

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0007.03

Received: 26FEB20 Due Date: 11MAR20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2008618-07 E-101-0.5-1.0 3 S0 26FEB20 11:24

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/11/20

NJ-8082,TS

L2008618-08 E-101-3.0-3.5 3 S0 26FEB20 11:43

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/11/20

NJ-8082,TS

L2008618-09 E-106-0.5-1.0 3 S0 26FEB20 12:33

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/11/20

NJ-8082,TS

L2008618-10 E-106-4.0-4.5 3 S0 26FEB20 12:39

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/11/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008618-01A	Glass-A.06	INTACT	28-FEB-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W1-S3-A	CUSTODY W1-S3-A	CUSTODY Sam Bardsley
L2008618-01A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	ORGPREP	Armia Rashed	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Armia Rashed
L2008618-01A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008618-01A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	LOGIN	Kamerry Keo	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Kamerry Keo
L2008618-01A	Glass-A.06	INTACT	28-FEB-20		W3-S3-A	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008618-01A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W3-S3-A	CUSTODY W3-S3-A	CUSTODY Sam Bardsley
L2008618-01A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008618-02A	Glass-A.06	INTACT	28-FEB-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W1-S3-A	CUSTODY W1-S3-A	CUSTODY Sam Bardsley
L2008618-02A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	ORGPREP	Armia Rashed	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Armia Rashed
L2008618-02A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008618-02A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	LOGIN	Kamerry Keo	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Kamerry Keo
L2008618-02A	Glass-A.06	INTACT	28-FEB-20		W3-S3-A	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008618-02A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W3-S3-A	CUSTODY W3-S3-A	CUSTODY Sam Bardsley
L2008618-02A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008618-03A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W6-S3-B	CUSTODY W6-S3-B	CUSTODY Sam Bardsley
L2008618-03A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Michael Lamb	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Michael Lamb
L2008618-03A	Glass-A.06	INTACT	06-MAR-20		W6-S3-D	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008618-03A	Glass-A.06	INTACT	05-MAR-20	CUSTODY	W6-S3-C	CUSTODY Kyle Provencher	W6-S3-D	CUSTODY W6-S3-D	CUSTODY Kyle Provencher
L2008618-03A	Glass-A.06	INTACT	05-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Kyle Provencher	W6-S3-C	CUSTODY W6-S3-C	CUSTODY Kyle Provencher
L2008618-03A	Glass-A.06	INTACT	05-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2008618-03A	Glass-A.06	INTACT	05-MAR-20		W3-S3-A	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008618-03A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W3-S3-A	CUSTODY W3-S3-A	CUSTODY Sam Bardsley
L2008618-03A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008618-04A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W6-S3-B	CUSTODY W6-S3-B	CUSTODY Sam Bardsley
L2008618-04A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Michael Lamb	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Michael Lamb

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008618-04A	Glass-A.06	INTACT	06-MAR-20		W5-S3-C	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008618-04A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W5-S3-C	CUSTODY W5-S3-C	CUSTODY Phillip Renaud
L2008618-04A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Christopher Pou
L2008618-04A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	W6-S3-C	CUSTODY Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2008618-04A	Glass-A.06	INTACT	05-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Kyle Provencher	W6-S3-C	CUSTODY W6-S3-C	CUSTODY Kyle Provencher
L2008618-04A	Glass-A.06	INTACT	05-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2008618-04A	Glass-A.06	INTACT	05-MAR-20		W3-S3-A	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008618-04A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W3-S3-A	CUSTODY W3-S3-A	CUSTODY Sam Bardsley
L2008618-04A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008618-05A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W6-S3-B	CUSTODY W6-S3-B	CUSTODY Sam Bardsley
L2008618-05A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Michael Lamb	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Michael Lamb
L2008618-05A	Glass-A.06	INTACT	06-MAR-20		W7-S3-D	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008618-05A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W7-S3-D	CUSTODY W7-S3-D	CUSTODY Phillip Renaud
L2008618-05A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Christopher Pou
L2008618-05A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	W6-S3-C	CUSTODY Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2008618-05A	Glass-A.06	INTACT	05-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Kyle Provencher	W6-S3-C	CUSTODY W6-S3-C	CUSTODY Kyle Provencher
L2008618-05A	Glass-A.06	INTACT	05-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2008618-05A	Glass-A.06	INTACT	05-MAR-20		W3-S3-A	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008618-05A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W3-S3-A	CUSTODY W3-S3-A	CUSTODY Sam Bardsley
L2008618-05A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008618-06A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W6-S3-B	CUSTODY W6-S3-B	CUSTODY Sam Bardsley
L2008618-06A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Michael Lamb	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Michael Lamb
L2008618-06A	Glass-A.06	INTACT	06-MAR-20		W5-S3-C	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008618-06A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W5-S3-C	CUSTODY W5-S3-C	CUSTODY Phillip Renaud
L2008618-06A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Christopher Pou

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008618-06A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	W6-S3-C	CUSTODY Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2008618-06A	Glass-A.06	INTACT	05-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Kyle Provencher	W6-S3-C	CUSTODY W6-S3-C	CUSTODY Kyle Provencher
L2008618-06A	Glass-A.06	INTACT	05-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2008618-06A	Glass-A.06	INTACT	05-MAR-20		W3-S3-A	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008618-06A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W3-S3-A	CUSTODY W3-S3-A	CUSTODY Sam Bardsley
L2008618-06A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008618-07A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W6-S3-B	CUSTODY W6-S3-B	CUSTODY Sam Bardsley
L2008618-07A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Michael Lamb	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Michael Lamb
L2008618-07A	Glass-A.06	INTACT	06-MAR-20		W5-S3-C	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008618-07A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W5-S3-C	CUSTODY W5-S3-C	CUSTODY Phillip Renaud
L2008618-07A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Christopher Pou
L2008618-07A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	W6-S3-C	CUSTODY Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2008618-07A	Glass-A.06	INTACT	05-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Kyle Provencher	W6-S3-C	CUSTODY W6-S3-C	CUSTODY Kyle Provencher
L2008618-07A	Glass-A.06	INTACT	05-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2008618-07A	Glass-A.06	INTACT	05-MAR-20		W3-S3-A	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008618-07A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W3-S3-A	CUSTODY W3-S3-A	CUSTODY Sam Bardsley
L2008618-07A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008618-08A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W6-S3-B	CUSTODY W6-S3-B	CUSTODY Sam Bardsley
L2008618-08A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Michael Lamb	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Michael Lamb
L2008618-08A	Glass-A.06	INTACT	06-MAR-20		W7-S3-D	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008618-08A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN	CUSTODY Phillip Renaud	W7-S3-D	CUSTODY W7-S3-D	CUSTODY Phillip Renaud
L2008618-08A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Christopher Pou
L2008618-08A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	W6-S3-D	CUSTODY Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2008618-08A	Glass-A.06	INTACT	05-MAR-20	CUSTODY	W6-S3-C	CUSTODY Kyle Provencher	W6-S3-D	CUSTODY W6-S3-D	CUSTODY Kyle Provencher
L2008618-08A	Glass-A.06	INTACT	05-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Kyle Provencher	W6-S3-C	CUSTODY W6-S3-C	CUSTODY Kyle Provencher

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008618-08A	Glass-A.06	INTACT	05-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008618-08A	Glass-A.06	INTACT	05-MAR-20		W3-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008618-08A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W3-S3-A CUSTODY	W3-S3-A CUSTODY	Sam Bardsley
L2008618-08A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008618-09A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN CUSTODY	Sam Bardsley	W6-S3-B CUSTODY	W6-S3-B CUSTODY	Sam Bardsley
L2008618-09A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Michael Lamb	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Michael Lamb
L2008618-09A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN CUSTODY	Michael Lamb	ORGPREP	ORGPREP	Michael Lamb
L2008618-09A	Glass-A.06	INTACT	06-MAR-20		LOGIN	Michael Lamb	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Michael Lamb
L2008618-09A	Glass-A.06	INTACT	06-MAR-20		CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008618-09A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008618-10A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN CUSTODY	Sam Bardsley	W6-S3-B CUSTODY	W6-S3-B CUSTODY	Sam Bardsley
L2008618-10A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Michael Lamb	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Michael Lamb
L2008618-10A	Glass-A.06	INTACT	06-MAR-20		W5-S3-C CUSTODY	Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008618-10A	Glass-A.06	INTACT	06-MAR-20		RETURN WALK-IN CUSTODY	Phillip Renaud	W5-S3-C CUSTODY	W5-S3-C CUSTODY	Phillip Renaud
L2008618-10A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	ORGPREP	Christopher Pou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Christopher Pou
L2008618-10A	Glass-A.06	INTACT	06-MAR-20	CUSTODY	W6-S3-C CUSTODY	Christopher Pou	ORGPREP	ORGPREP	Christopher Pou
L2008618-10A	Glass-A.06	INTACT	05-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Kyle Provencher	W6-S3-C CUSTODY	W6-S3-C CUSTODY	Kyle Provencher
L2008618-10A	Glass-A.06	INTACT	05-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008618-10A	Glass-A.06	INTACT	05-MAR-20		W3-S3-A CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008618-10A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W3-S3-A CUSTODY	W3-S3-A CUSTODY	Sam Bardsley
L2008618-10A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi

Methodology Review

Project Name: AMTRAK-NEW BARRACKS

Lab Number: L2008618

Project Number: 277710568.0007.03

Report Date: 03/11/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Project Name: AMTRAK-NEW BARRACKS

Project Number: 277710568.0007.03

Lab Number: L2008618

Report Date: 03/11/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2008618-01A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008618-02A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008618-03A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008618-04A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008618-05A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008618-06A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008618-07A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008618-08A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008618-09A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008618-10A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



Project Name: AMTRAK-NEW BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2008618
Report Date: 03/11/20

**NJ DEP Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^{\circ} \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	NO

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary



Project Name: AMTRAK-NEW BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2008618
Report Date: 03/11/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



Project Name: AMTRAK-NEW BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2008618
Report Date: 03/11/20

Case Narrative (continued)

Report Submission

March 11, 2020: This final report includes the results of all requested analyses.

March 04, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

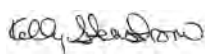
L2008618-01 through -04: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

L2008618-01, -02, and -03: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2008618-04: One or more surrogates failed to meet the DKQP recovery limits. Please refer to the sample results and/or QC section of the report for specific details.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Report Date: 03/11/20

Title: Technical Director/Representative

Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-NEW BARRACKS
Project Number: 277710568.0007.03

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- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-NEW BARRACKS
Project Number: 277710568.0007.03

Lab Number: L2008618
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Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Organics



**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008618-01D	Date Collected : 02/26/20 09:48
Client ID : E-98-0.5-1.0	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 20:29
Sample Matrix : SOIL	Date Extracted : 02/28/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 21200301a-28	Analyst : HT
Sample Amount : 15.22 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.774	0.0687	U
11104-28-2	Aroclor 1221	ND	0.774	0.0775	U
11141-16-5	Aroclor 1232	ND	0.774	0.164	U
53469-21-9	Aroclor 1242	ND	0.774	0.104	U
12672-29-6	Aroclor 1248	ND	0.774	0.116	U
11097-69-1	Aroclor 1254	ND	0.774	0.0847	U
11096-82-5	Aroclor 1260	3.30	0.774	0.143	
37324-23-5	Aroclor 1262	ND	0.774	0.0983	U
11100-14-4	Aroclor 1268	ND	0.774	0.0802	U
1336-36-3	PCBs, Total	3.30	0.774	0.0687	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008618-02D	Date Collected : 02/26/20 10:03
Client ID : E-98-3.0-3.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/02/20 13:54
Sample Matrix : SOIL	Date Extracted : 02/28/20
Analytical Method : 1,8082A	Dilution Factor : 100
Lab File ID : 23200302a-05	Analyst : HT
Sample Amount : 15.32 g	Instrument ID : PEST23
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 80
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	4.06	0.360	U
11104-28-2	Aroclor 1221	ND	4.06	0.407	U
11141-16-5	Aroclor 1232	ND	4.06	0.860	U
53469-21-9	Aroclor 1242	ND	4.06	0.547	U
12672-29-6	Aroclor 1248	ND	4.06	0.609	U
11097-69-1	Aroclor 1254	ND	4.06	0.444	U
11096-82-5	Aroclor 1260	34.9	4.06	0.750	
37324-23-5	Aroclor 1262	ND	4.06	0.516	U
11100-14-4	Aroclor 1268	ND	4.06	0.420	U
1336-36-3	PCBs, Total	34.9	4.06	0.360	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008618-03D	Date Collected : 02/26/20 10:11
Client ID : E-98-4.0-4.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/09/20 18:02
Sample Matrix : SOIL	Date Extracted : 03/06/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 21200309a-33	Analyst : HT
Sample Amount : 15.35 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.761	0.0676	U
11104-28-2	Aroclor 1221	ND	0.761	0.0762	U
11141-16-5	Aroclor 1232	ND	0.761	0.161	U
53469-21-9	Aroclor 1242	ND	0.761	0.102	U
12672-29-6	Aroclor 1248	ND	0.761	0.114	U
11097-69-1	Aroclor 1254	ND	0.761	0.0832	U
37324-23-5	Aroclor 1262	ND	0.761	0.0966	U
11100-14-4	Aroclor 1268	ND	0.761	0.0788	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-NEW BARRACKS Lab ID : L2008618-03D Client ID : E-98-4.0-4.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 21200309a-33 Sample Amount : 15.35 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008618 Project Number : 277710568.0007.03 Date Collected : 02/26/20 10:11 Date Received : 02/26/20 Date Analyzed : 03/09/20 18:02 Date Extracted : 03/06/20 Dilution Factor : 20 Analyst : HT Instrument ID : PEST21 GC Column : CLP-PesticideII %Solids : 86 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	7.20	0.761	0.141	
1336-36-3	PCBs, Total	7.20	0.761	0.0676	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008618
Project Name	: AMTRAK-NEW BARRACKS	Project Number	: 277710568.0007.03
Lab ID	: L2008618-04D	Date Collected	: 02/26/20 10:39
Client ID	: E-108-0.5-1.0	Date Received	: 02/26/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 03/08/20 22:45
Sample Matrix	: SOIL	Date Extracted	: 03/06/20
Analytical Method	: 1,8082A	Dilution Factor	: 5
Lab File ID	: 21200308a-07	Analyst	: HT
Sample Amount	: 15.81 g	Instrument ID	: PEST21
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 57
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.276	0.0245	U
11104-28-2	Aroclor 1221	ND	0.276	0.0276	U
11141-16-5	Aroclor 1232	ND	0.276	0.0585	U
53469-21-9	Aroclor 1242	ND	0.276	0.0372	U
12672-29-6	Aroclor 1248	ND	0.276	0.0414	U
11097-69-1	Aroclor 1254	ND	0.276	0.0302	U
11096-82-5	Aroclor 1260	0.909	0.276	0.0510	
37324-23-5	Aroclor 1262	ND	0.276	0.0350	U
11100-14-4	Aroclor 1268	ND	0.276	0.0286	U
1336-36-3	PCBs, Total	0.909	0.276	0.0245	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008618-05	Date Collected : 02/26/20 10:49
Client ID : E-108-3.0-3.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/07/20 11:52
Sample Matrix : SOIL	Date Extracted : 03/06/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200307a-13	Analyst : HT
Sample Amount : 15.34 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 83
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0395	0.00350	U
11104-28-2	Aroclor 1221	ND	0.0395	0.00395	U
11141-16-5	Aroclor 1232	ND	0.0395	0.00836	U
53469-21-9	Aroclor 1242	ND	0.0395	0.00532	U
12672-29-6	Aroclor 1248	ND	0.0395	0.00592	U
11097-69-1	Aroclor 1254	ND	0.0395	0.00432	U
11096-82-5	Aroclor 1260	0.0637	0.0395	0.00729	
37324-23-5	Aroclor 1262	ND	0.0395	0.00501	U
11100-14-4	Aroclor 1268	ND	0.0395	0.00409	U
1336-36-3	PCBs, Total	0.0637	0.0395	0.00350	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008618-06	Date Collected : 02/26/20 10:53
Client ID : E-108-4.0-4.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/07/20 12:04
Sample Matrix : SOIL	Date Extracted : 03/06/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200307a-14	Analyst : HT
Sample Amount : 15.22 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 77
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0427	0.00379	U
11104-28-2	Aroclor 1221	ND	0.0427	0.00428	U
11141-16-5	Aroclor 1232	ND	0.0427	0.00906	U
53469-21-9	Aroclor 1242	ND	0.0427	0.00576	U
12672-29-6	Aroclor 1248	ND	0.0427	0.00641	U
11097-69-1	Aroclor 1254	ND	0.0427	0.00467	U
11096-82-5	Aroclor 1260	0.276	0.0427	0.00789	
37324-23-5	Aroclor 1262	ND	0.0427	0.00542	U
11100-14-4	Aroclor 1268	ND	0.0427	0.00442	U
1336-36-3	PCBs, Total	0.276	0.0427	0.00379	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008618-07	Date Collected : 02/26/20 11:24
Client ID : E-101-0.5-1.0	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/07/20 12:15
Sample Matrix : SOIL	Date Extracted : 03/06/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200307a-15	Analyst : HT
Sample Amount : 15.44 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0402	0.00357	U
11104-28-2	Aroclor 1221	ND	0.0402	0.00403	U
11141-16-5	Aroclor 1232	ND	0.0402	0.00853	U
53469-21-9	Aroclor 1242	ND	0.0402	0.00542	U
12672-29-6	Aroclor 1248	ND	0.0402	0.00603	U
11097-69-1	Aroclor 1254	ND	0.0402	0.00440	U
11096-82-5	Aroclor 1260	0.316	0.0402	0.00743	
37324-23-5	Aroclor 1262	ND	0.0402	0.00511	U
11100-14-4	Aroclor 1268	ND	0.0402	0.00417	U
1336-36-3	PCBs, Total	0.316	0.0402	0.00357	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008618-08	Date Collected : 02/26/20 11:43
Client ID : E-101-3.0-3.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/07/20 12:27
Sample Matrix : SOIL	Date Extracted : 03/06/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200307a-16	Analyst : HT
Sample Amount : 15.7 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 87
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0366	0.00325	U
11104-28-2	Aroclor 1221	ND	0.0366	0.00367	U
11141-16-5	Aroclor 1232	ND	0.0366	0.00776	U
53469-21-9	Aroclor 1242	ND	0.0366	0.00493	U
12672-29-6	Aroclor 1248	ND	0.0366	0.00549	U
11097-69-1	Aroclor 1254	ND	0.0366	0.00400	U
11096-82-5	Aroclor 1260	0.0319	0.0366	0.00676	J
37324-23-5	Aroclor 1262	ND	0.0366	0.00465	U
11100-14-4	Aroclor 1268	ND	0.0366	0.00379	U
1336-36-3	PCBs, Total	0.0319	0.0366	0.00325	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008618-09	Date Collected : 02/26/20 12:33
Client ID : E-106-0.5-1.0	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/07/20 12:39
Sample Matrix : SOIL	Date Extracted : 03/06/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200307a-17	Analyst : HT
Sample Amount : 15.16 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0387	0.00344	U
11104-28-2	Aroclor 1221	ND	0.0387	0.00388	U
11141-16-5	Aroclor 1232	ND	0.0387	0.00821	U
53469-21-9	Aroclor 1242	ND	0.0387	0.00522	U
12672-29-6	Aroclor 1248	ND	0.0387	0.00581	U
11097-69-1	Aroclor 1254	ND	0.0387	0.00423	U
11096-82-5	Aroclor 1260	0.180	0.0387	0.00715	
37324-23-5	Aroclor 1262	ND	0.0387	0.00492	U
11100-14-4	Aroclor 1268	ND	0.0387	0.00401	U
1336-36-3	PCBs, Total	0.180	0.0387	0.00344	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008618-10	Date Collected : 02/26/20 12:39
Client ID : E-106-4.0-4.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/07/20 12:51
Sample Matrix : SOIL	Date Extracted : 03/06/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200307a-18	Analyst : HT
Sample Amount : 15.28 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 78
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0420	0.00372	U
11104-28-2	Aroclor 1221	ND	0.0420	0.00420	U
11141-16-5	Aroclor 1232	ND	0.0420	0.00889	U
53469-21-9	Aroclor 1242	ND	0.0420	0.00566	U
12672-29-6	Aroclor 1248	ND	0.0420	0.00629	U
11097-69-1	Aroclor 1254	0.687	0.0420	0.00459	
11096-82-5	Aroclor 1260	0.112	0.0420	0.00775	
37324-23-5	Aroclor 1262	ND	0.0420	0.00533	U
11100-14-4	Aroclor 1268	ND	0.0420	0.00435	U
1336-36-3	PCBs, Total	0.799	0.0420	0.00372	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1345284-1	Date Collected : NA
Client ID : WG1345284-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/28/20 14:42
Sample Matrix : SOIL	Date Extracted : 02/28/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200228a-12	Analyst : HT
Sample Amount : 15.34 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0326	0.00289	U
11104-28-2	Aroclor 1221	ND	0.0326	0.00326	U
11141-16-5	Aroclor 1232	ND	0.0326	0.00691	U
53469-21-9	Aroclor 1242	ND	0.0326	0.00439	U
12672-29-6	Aroclor 1248	ND	0.0326	0.00489	U
11097-69-1	Aroclor 1254	ND	0.0326	0.00356	U
11096-82-5	Aroclor 1260	ND	0.0326	0.00602	U
37324-23-5	Aroclor 1262	ND	0.0326	0.00414	U
11100-14-4	Aroclor 1268	ND	0.0326	0.00338	U
1336-36-3	PCBs, Total	ND	0.0326	0.00289	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : WG1348141-1	Date Collected : NA
Client ID : WG1348141-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 03/07/20 13:03
Sample Matrix : SOIL	Date Extracted : 03/06/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200307a-19	Analyst : HT
Sample Amount : 15.44 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0324	0.00288	U
11104-28-2	Aroclor 1221	ND	0.0324	0.00324	U
11141-16-5	Aroclor 1232	ND	0.0324	0.00686	U
53469-21-9	Aroclor 1242	ND	0.0324	0.00436	U
12672-29-6	Aroclor 1248	ND	0.0324	0.00486	U
11097-69-1	Aroclor 1254	ND	0.0324	0.00354	U
11096-82-5	Aroclor 1260	ND	0.0324	0.00598	U
37324-23-5	Aroclor 1262	ND	0.0324	0.00411	U
11100-14-4	Aroclor 1268	ND	0.0324	0.00335	U
1336-36-3	PCBs, Total	ND	0.0324	0.00288	U



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : WG1345284-1	Lab File ID : P7200228a-12
Matrix : SOIL	Extraction Date : 02/28/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/28/20 14:42	Analysis Date (2) : 02/28/20 14:42
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1345284-2LCS	WG1345284-2	02/28/20 14:54	02/28/20 14:54
WG1345284-3LCSD	WG1345284-3	02/28/20 15:06	02/28/20 15:06
E-98-0.5-1.0	L2008618-01D	03/01/20 20:29	03/01/20 20:29
E-98-3.0-3.5	L2008618-02D	03/02/20 13:54	03/02/20 13:54



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : WG1348141-1	Lab File ID : 21200307a-19
Matrix : SOIL	Extraction Date : 03/06/20
Sulfur Cleanup : Y	
Analysis Date (1) : 03/07/20 13:03	Analysis Date (2) : 03/07/20 13:03
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
E-108-3.0-3.5	L2008618-05	03/07/20 11:52	03/07/20 11:52
E-108-4.0-4.5	L2008618-06	03/07/20 12:04	03/07/20 12:04
E-101-0.5-1.0	L2008618-07	03/07/20 12:15	03/07/20 12:15
E-101-3.0-3.5	L2008618-08	03/07/20 12:27	03/07/20 12:27
E-106-0.5-1.0	L2008618-09	03/07/20 12:39	03/07/20 12:39
E-106-4.0-4.5	L2008618-10	03/07/20 12:51	03/07/20 12:51
WG1348141-2LCS	WG1348141-2	03/07/20 13:15	03/07/20 13:15
WG1348141-3LCSD	WG1348141-3	03/07/20 13:27	03/07/20 13:27
E-108-0.5-1.0	L2008618-04D	03/08/20 22:45	03/08/20 22:45
E-98-4.0-4.5	L2008618-03D	03/09/20 18:02	03/09/20 18:02



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.473	1.290	1.250	1.210	1.137	1.021	1.230	12.37
3) s Decachlorobiphenyl	1.026	0.864	0.827	0.777	0.743	0.662	0.817	15.21
4) 11 1016-1	0.029	0.025	0.023	0.021	0.019	0.017	0.022	18.43
5) 11 1016-2	0.063	0.053	0.049	0.045	0.041	0.036	0.048	19.80
6) 11 1016-3	0.124	0.108	0.104	0.099	0.093	0.083	0.102	13.64
7) 11 1016-4	0.053	0.048	0.043	0.040	0.038	0.034	0.043	15.82
8) 11 1016-5	0.056	0.049	0.046	0.043	0.041	0.037	0.045	14.66
9) 12 1260-1	0.075	0.064	0.060	0.057	0.054	0.049	0.060	14.99
10) 12 1260-2	0.111	0.096	0.091	0.086	0.082	0.073	0.090	14.56
11) 12 1260-3	0.062	0.059	0.056	0.053	0.052	0.047	0.055	9.75
12) 12 1260-4	0.146	0.130	0.125	0.120	0.114	0.098	0.122	13.22
13) 12 1260-5	0.100	0.088	0.085	0.080	0.079	0.072	0.084	11.45
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.014	0.013	0.012	0.011	0.010	0.012	14.08
16) 13 1221-3	0.010	0.009	0.008	0.007	0.007	0.006	0.008	16.46
17) 13 1221-4	0.037	0.031	0.029	0.026	0.024	0.022	0.028	19.89
18) 14 1254-1	0.055	0.046	0.044	0.041	0.039	0.036	0.043	15.13
19) 14 1254-2	0.097	0.081	0.077	0.072	0.068	0.063	0.076	15.79
20) 14 1254-3	0.090	0.077	0.074	0.070	0.066	0.061	0.073	13.58
21) 14 1254-4	0.068	0.062	0.058	0.056	0.053	0.049	0.058	11.79
22) 14 1254-5	0.094	0.080	0.077	0.074	0.070	0.066	0.077	12.65
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.018	0.016	0.015	0.014	0.012	0.016	16.30
25) 16 1242-2	0.043	0.037	0.035	0.031	0.029	0.027	0.034	17.65
26) 16 1242-3	0.085	0.077	0.074	0.069	0.068	0.062	0.073	11.36
27) 16 1242-4	0.039	0.037	0.034	0.032	0.030	0.028	0.034	11.86
28) 16 1242-5	0.028	0.026	0.025	0.024	0.023	0.021	0.024	9.69
29) 19 1268-1	0.164	0.145	0.141	0.131	0.121	0.105	0.135	15.17
30) 19 1268-2	0.162	0.148	0.141	0.132	0.123	0.110	0.136	13.59
31) 19 1268-3	0.108	0.098	0.094	0.088	0.083	0.076	0.091	12.44
32) 19 1268-4	0.053	0.048	0.047	0.044	0.043	0.040	0.046	9.66
33) 19 1268-5	0.292	0.267	0.255	0.234	0.212	0.179	0.240	16.83
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.027	0.027	0.025	0.024	0.022	0.026	12.33
36) 17 1248-2	0.044	0.036	0.036	0.033	0.032	0.027	0.035	16.84



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.064	0.061	0.054	0.051	0.049	0.044	0.054	13.95
38) 17 1248-4	0.057	0.051	0.048	0.045	0.044	0.040	0.047	12.58
39) 17 1248-5	0.047	0.043	0.041	0.039	0.038	0.035	0.040	11.04
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.025	0.023	0.020	0.019	0.017	0.022	20.00
42) 15 1232-2	0.028	0.024	0.022	0.019	0.019	0.017	0.021	19.01
43) 15 1232-3	0.053	0.048	0.045	0.042	0.041	0.038	0.044	12.42
44) 15 1232-4	0.022	0.021	0.020	0.017	0.018	0.017	0.019	11.95
45) 15 1232-5	0.017	0.015	0.014	0.013	0.013	0.012	0.014	14.33
46) 18 1262-1	0.074	0.063	0.058	0.053	0.052	0.048	0.058	16.15
47) 18 1262-2	0.086	0.075	0.070	0.066	0.063	0.057	0.070	14.64
48) 18 1262-3	0.074	0.066	0.062	0.059	0.056	0.052	0.062	12.83
49) 18 1262-4	0.147	0.133	0.125	0.117	0.111	0.099	0.122	13.81
50) 18 1262-5	0.046	0.043	0.040	0.038	0.036	0.034	0.040	10.81



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.381	1.232	1.206	1.198	1.168	1.071	1.209	8.34
3) s Decachlorobip	0.882	0.739	0.722	0.700	0.682	0.636	0.727	11.55
4) 11 1016-1	0.027	0.024	0.022	0.020	0.019	0.018	0.022	15.75
5) 11 1016-2	0.059	0.051	0.047	0.044	0.042	0.039	0.047	15.56
6) 11 1016-3	0.113	0.099	0.094	0.091	0.091	0.084	0.095	10.57
7) 11 1016-4	0.044	0.038	0.036	0.034	0.033	0.031	0.036	12.33
8) 11 1016-5	0.036	0.031	0.029	0.028	0.027	0.025	0.029	13.42
9) 12 1260-1	0.069	0.058	0.053	0.051	0.050	0.047	0.054	14.48
10) 12 1260-2	0.078	0.066	0.061	0.059	0.058	0.054	0.063	13.09
11) 12 1260-3	0.061	0.053	0.050	0.049	0.048	0.045	0.051	10.80
12) 12 1260-4	0.122	0.108	0.104	0.103	0.101	0.093	0.105	9.18
13) 12 1260-5	0.088	0.075	0.072	0.070	0.070	0.066	0.074	10.50
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.016	0.013	0.012	0.011	0.010	0.010	0.012	16.89
16) 13 1221-3	0.009	0.008	0.008	0.007	0.007	0.006	0.008	14.40
17) 13 1221-4	0.035	0.030	0.028	0.026	0.024	0.022	0.027	15.95
18) 14 1254-1	0.053	0.044	0.041	0.039	0.038	0.036	0.042	13.97
19) 14 1254-2	0.063	0.050	0.047	0.045	0.043	0.041	0.048	16.16
20) 14 1254-3	0.090	0.077	0.072	0.070	0.067	0.064	0.073	12.70
21) 14 1254-4	0.060	0.050	0.048	0.046	0.045	0.043	0.049	12.53
22) 14 1254-5	0.081	0.069	0.065	0.063	0.061	0.059	0.066	11.77
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.017	0.016	0.014	0.013	0.012	0.015	16.00
25) 16 1242-2	0.042	0.037	0.034	0.031	0.030	0.028	0.034	15.54
26) 16 1242-3	0.078	0.070	0.068	0.066	0.063	0.060	0.067	9.13
27) 16 1242-4	0.025	0.023	0.022	0.020	0.020	0.019	0.021	11.23
28) 16 1242-5	0.025	0.023	0.021	0.020	0.019	0.018	0.021	10.92
29) 19 1268-1	0.142	0.125	0.121	0.117	0.113	0.103	0.120	10.81
30) 19 1268-2	0.142	0.126	0.121	0.118	0.115	0.106	0.121	9.84
31) 19 1268-3	0.096	0.083	0.080	0.078	0.076	0.072	0.081	10.46
32) 19 1268-4	0.048	0.044	0.041	0.039	0.038	0.037	0.041	10.31
33) 19 1268-5	0.248	0.239	0.228	0.219	0.206	0.181	0.220	11.03
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.026	0.024	0.023	0.023	0.021	0.024	10.31
36) 17 1248-2	0.036	0.032	0.029	0.027	0.026	0.025	0.029	14.43



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.044	0.039	0.036	0.034	0.033	0.031	0.036	12.89
38) 17 1248-4	0.048	0.042	0.040	0.038	0.037	0.035	0.040	11.61
39) 17 1248-5	0.053	0.047	0.044	0.042	0.041	0.039	0.045	11.42
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.027	0.024	0.022	0.019	0.019	0.017	0.021	17.41
42) 15 1232-2	0.027	0.025	0.022	0.020	0.019	0.017	0.022	17.37
43) 15 1232-3	0.049	0.045	0.041	0.038	0.038	0.036	0.041	11.60
44) 15 1232-4	0.015	0.014	0.012	0.011	0.011	0.010	0.012	14.64
45) 15 1232-5	0.014	0.013	0.012	0.011	0.011	0.010	0.012	14.30
46) 18 1262-1	0.057	0.046	0.042	0.040	0.039	0.037	0.044	16.49
47) 18 1262-2	0.074	0.062	0.057	0.053	0.055	0.050	0.059	14.39
48) 18 1262-3	0.066	0.057	0.053	0.052	0.051	0.048	0.055	11.60
49) 18 1262-4	0.123	0.107	0.101	0.098	0.097	0.089	0.102	11.26
50) 18 1262-5	0.044	0.038	0.036	0.034	0.034	0.033	0.036	11.21



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.035	1.042	1.067	1.034	0.969	1.089	1.039	3.89
3) s Decachlorobiphenyl	0.939	0.851	0.852	0.848	0.769	0.850	0.851	6.34
4) 11 1016-1	0.024	0.020	0.021	0.018	0.016	0.017	0.019	14.55
5) 11 1016-2	0.050	0.047	0.045	0.041	0.036	0.039	0.043	12.39
6) 11 1016-3	0.086	0.082	0.082	0.078	0.072	0.079	0.080	5.87
7) 11 1016-4	0.038	0.036	0.036	0.033	0.030	0.032	0.034	8.88
8) 11 1016-5	0.038	0.039	0.039	0.036	0.032	0.035	0.036	7.19
9) 12 1260-1	0.062	0.056	0.056	0.052	0.047	0.051	0.054	9.15
10) 12 1260-2	0.089	0.082	0.082	0.079	0.071	0.077	0.080	7.62
11) 12 1260-3	0.054	0.052	0.052	0.048	0.046	0.050	0.050	6.05
12) 12 1260-4	0.110	0.105	0.107	0.107	0.100	0.111	0.107	3.85
13) 12 1260-5	0.079	0.076	0.078	0.076	0.070	0.078	0.076	4.20
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.011	0.011	0.011	0.011	0.010	0.010	0.011	6.66
16) 13 1221-2	0.006	0.007	0.007	0.007	0.006	0.006	0.006	8.85
17) 13 1221-3	0.032	0.028	0.026	0.027	0.023	0.023	0.026	13.08
18) 14 1254-1	0.050	0.043	0.039	0.040	0.036	0.035	0.041	13.23
19) 14 1254-2	0.085	0.073	0.067	0.070	0.063	0.062	0.070	12.27
20) 14 1254-3	0.086	0.075	0.071	0.076	0.070	0.069	0.075	8.28
21) 14 1254-4	0.062	0.055	0.052	0.054	0.049	0.048	0.053	9.62
22) 14 1254-5	0.080	0.072	0.069	0.073	0.068	0.067	0.071	6.64
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.017	0.017	0.016	0.014	0.013	0.013	0.015	12.12
25) 16 1242-2	0.044	0.041	0.037	0.032	0.031	0.029	0.036	16.90
26) 16 1242-3	0.074	0.067	0.065	0.060	0.059	0.058	0.064	9.62
27) 16 1242-4	0.027	0.024	0.024	0.021	0.021	0.020	0.023	11.96
28) 16 1242-5	0.025	0.023	0.023	0.020	0.020	0.019	0.022	10.85
29) 19 1268-1	0.166	0.147	0.150	0.141	0.145	0.142	0.148	6.27
30) 19 1268-2	0.180	0.156	0.158	0.148	0.151	0.148	0.157	7.63
31) 19 1268-3	0.110	0.100	0.101	0.094	0.097	0.096	0.100	5.71
32) 19 1268-4	0.044	0.046	0.049	0.046	0.047	0.046	0.046	3.26
33) 19 1268-5	0.333	0.281	0.297	0.283	0.294	0.286	0.296	6.49
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.054	0.055	0.051	0.049	0.047	0.048	0.051	6.37
36) 17 1248-2	0.043	0.042	0.039	0.036	0.034	0.034	0.038	10.22



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.065	0.060	0.058	0.053	0.051	0.051	0.056	9.53
38) 17 1248-4	0.052	0.049	0.048	0.044	0.044	0.045	0.047	6.35
39) 17 1248-5	0.043	0.041	0.040	0.038	0.038	0.038	0.040	5.65
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.026	0.022	0.020	0.018	0.018	0.017	0.020	16.89
42) 15 1232-2	0.024	0.021	0.022	0.019	0.017	0.017	0.020	13.78
43) 15 1232-3	0.039	0.038	0.037	0.035	0.033	0.035	0.036	6.49
44) 15 1232-4	0.017	0.018	0.017	0.015	0.015	0.015	0.016	9.16
45) 15 1232-5	0.012	0.012	0.012	0.011	0.010	0.010	0.011	8.20
46) 18 1262-1	0.058	0.055	0.053	0.049	0.047	0.049	0.052	7.75
47) 18 1262-2	0.073	0.070	0.067	0.063	0.061	0.064	0.066	6.94
48) 18 1262-3	0.056	0.061	0.059	0.056	0.055	0.058	0.058	4.16
49) 18 1262-4	0.119	0.125	0.123	0.119	0.120	0.126	0.122	2.45
50) 18 1262-5	0.037	0.037	0.038	0.036	0.035	0.037	0.037	2.44



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Signal #2 Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.022	1.030	1.076	1.057	0.976	1.079	1.040	3.75
3) s Decachlorobip	0.816	0.706	0.715	0.704	0.639	0.706	0.714	7.98
4) 11 1016-1	0.024	0.021	0.021	0.019	0.017	0.018	0.020	13.31
5) 11 1016-2	0.050	0.047	0.047	0.043	0.038	0.040	0.044	10.89
6) 11 1016-3	0.051	0.048	0.049	0.046	0.042	0.046	0.047	6.43
7) 11 1016-4	0.036	0.035	0.035	0.032	0.029	0.031	0.033	8.48
8) 11 1016-5	0.031	0.029	0.029	0.027	0.024	0.025	0.027	9.63
9) 12 1260-1	0.060	0.055	0.055	0.052	0.047	0.051	0.053	8.60
10) 12 1260-2	0.069	0.065	0.065	0.061	0.055	0.060	0.063	7.63
11) 12 1260-3	0.052	0.051	0.052	0.050	0.045	0.049	0.050	5.39
12) 12 1260-4	0.103	0.104	0.106	0.105	0.095	0.105	0.103	3.79
13) 12 1260-5	0.072	0.071	0.072	0.069	0.064	0.071	0.070	4.47
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.015	0.013	0.012	0.012	0.011	0.010	0.012	12.85
16) 13 1221-2	0.010	0.008	0.008	0.008	0.007	0.006	0.008	15.13
17) 13 1221-3	0.034	0.030	0.028	0.028	0.025	0.023	0.028	13.75
18) 14 1254-1	0.053	0.046	0.043	0.044	0.040	0.038	0.044	11.82
19) 14 1254-2	0.067	0.056	0.050	0.051	0.046	0.044	0.053	15.45
20) 14 1254-3	0.081	0.073	0.068	0.072	0.066	0.064	0.071	8.60
21) 14 1254-4	0.056	0.052	0.049	0.052	0.047	0.046	0.050	7.62
22) 14 1254-5	0.076	0.071	0.067	0.071	0.065	0.063	0.069	7.08
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.017	0.017	0.015	0.014	0.013	0.016	16.33
25) 16 1242-2	0.043	0.039	0.037	0.033	0.032	0.030	0.036	14.11
26) 16 1242-3	0.044	0.039	0.038	0.035	0.034	0.034	0.038	10.72
27) 16 1242-4	0.029	0.024	0.024	0.021	0.021	0.020	0.023	14.38
28) 16 1242-5	0.027	0.023	0.023	0.021	0.020	0.019	0.022	12.64
29) 19 1268-1	0.152	0.132	0.135	0.124	0.128	0.124	0.133	7.91
30) 19 1268-2	0.149	0.130	0.133	0.123	0.127	0.124	0.131	7.29
31) 19 1268-3	0.101	0.086	0.088	0.081	0.084	0.082	0.087	8.29
32) 19 1268-4	0.043	0.041	0.043	0.039	0.040	0.039	0.041	4.12
33) 19 1268-5	0.263	0.238	0.249	0.236	0.244	0.238	0.245	4.08
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.029	0.028	0.027	0.026	0.025	0.028	8.32
36) 17 1248-2	0.041	0.039	0.036	0.034	0.032	0.031	0.035	11.39



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Signal #2 Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.049	0.046	0.044	0.041	0.039	0.039	0.043	9.35
38) 17 1248-4	0.052	0.051	0.048	0.047	0.044	0.044	0.048	7.21
39) 17 1248-5	0.057	0.055	0.053	0.051	0.048	0.048	0.052	6.91
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.023	0.023	0.022	0.020	0.018	0.018	0.021	11.22
42) 15 1232-2	0.023	0.023	0.022	0.020	0.019	0.018	0.021	10.09
43) 15 1232-3	0.024	0.022	0.022	0.020	0.020	0.020	0.021	7.24
44) 15 1232-4	0.014	0.013	0.013	0.011	0.011	0.011	0.012	10.05
45) 15 1232-5	0.013	0.012	0.012	0.011	0.011	0.011	0.012	9.15
46) 18 1262-1	0.049	0.047	0.046	0.042	0.040	0.041	0.044	8.47
47) 18 1262-2	0.069	0.063	0.062	0.057	0.056	0.057	0.061	8.50
48) 18 1262-3	0.057	0.058	0.056	0.052	0.052	0.053	0.055	4.85
49) 18 1262-4	0.103	0.106	0.104	0.100	0.099	0.101	0.102	2.64
50) 18 1262-5	0.035	0.035	0.036	0.034	0.033	0.034	0.035	2.44



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008618
Project Name : AMTRAK-NEW BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST23 **Ical Ref** : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.840	1.624	1.528	1.377	1.453	1.347	1.528	11.98
3) s Decachlorobiphenyl	1.781	1.325	1.193	1.042	1.073	0.983	*L	0.9974
4) 11 1016-1	0.036	0.031	0.030	0.026	0.026	0.023	0.029	16.24
5) 11 1016-2	0.082	0.069	0.065	0.055	0.055	0.049	0.062	19.00
6) 11 1016-3	0.149	0.129	0.121	0.107	0.110	0.100	0.119	15.01
7) 11 1016-4	0.061	0.057	0.054	0.046	0.048	0.043	0.052	13.27
8) 11 1016-5	0.068	0.058	0.056	0.049	0.050	0.044	0.054	15.63
9) 12 1260-1	0.102	0.082	0.076	0.066	0.067	0.061	0.076	19.85
10) 12 1260-2	0.154	0.126	0.116	0.101	0.103	0.093	0.115	19.31
11) 12 1260-3	0.090	0.078	0.073	0.064	0.065	0.059	0.072	15.91
12) 12 1260-4	0.200	0.162	0.150	0.135	0.141	0.131	0.153	16.62
13) 12 1260-5	0.104	0.088	0.082	0.072	0.074	0.068	0.082	16.17
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.023	0.018	0.017	0.015		0.019	15.21
16) 13 1221-2	0.010	0.014	0.011	0.010	0.010		0.011	17.65
17) 13 1221-3	0.047	0.053	0.043	0.037	0.034		0.043	18.02
18) 14 1254-1	0.074	0.078	0.060	0.051	0.048	0.041	*Q	0.9949
19) 14 1254-2	0.137	0.134	0.103	0.088	0.083	0.071	*Q	0.9953
20) 14 1254-3	0.121	0.125	0.097	0.085	0.081	0.070	*Q	0.9960
21) 14 1254-4	0.096	0.101	0.079	0.069	0.065	0.056	*Q	0.9960
22) 14 1254-5	0.140	0.139	0.109	0.095	0.090	0.078	*Q	0.9963
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.030	0.025	0.025	0.023	0.020	0.018	0.024	17.63
25) 16 1242-2	0.133	0.107	0.105	0.094	0.084	0.079	0.100	19.34
26) 16 1242-3	0.042	0.046	0.046	0.043	0.037	0.035	0.042	11.40
27) 16 1242-4	0.063	0.050	0.050	0.046	0.040	0.037	0.048	19.65
28) 16 1242-5	0.042	0.035	0.035	0.032	0.028	0.026	0.033	17.07
29) 19 1268-1	0.321	0.224	0.215	0.197	0.180	0.172	*L	0.9970
30) 19 1268-2	0.313	0.225	0.216	0.198	0.180	0.172	*L	0.9969
31) 19 1268-3	0.215	0.156	0.149	0.136	0.123	0.117	*L	0.9964
32) 19 1268-4	0.108	0.082	0.079	0.071	0.064	0.060	*L	0.9950
33) 19 1268-5	0.618	0.415	0.402	0.377	0.347	0.333	*L	0.9980
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.041	0.039	0.036	0.029	0.033	0.027	0.034	16.16
36) 17 1248-2	0.057	0.056	0.049	0.041	0.044	0.038	0.048	16.77



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008618
Project Name	: AMTRAK-NEW BARRACKS	Project Number	: 277710568.0007.03
Instrument ID	: PEST23	Ical Ref	: ICAL16474
Calibration dates	: 01/29/20 18:49 01/30/20 22:53		

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.082	0.072	0.062	0.066	0.058	0.071	16.56
38) 17 1248-4	0.068	0.069	0.060	0.051	0.055	0.049	0.059	14.86
39) 17 1248-5	0.061	0.066	0.057	0.047	0.051	0.045	0.055	14.70
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.040	0.036	0.036	0.030	0.027	0.025	0.032	18.07
42) 15 1232-2	0.041	0.035	0.035	0.030	0.027	0.024	0.032	19.55
43) 15 1232-3	0.077	0.067	0.066	0.056	0.052	0.048	0.061	17.45
44) 15 1232-4	0.034	0.029	0.029	0.026	0.023	0.021	0.027	16.56
45) 15 1232-5	0.024	0.020	0.020	0.018	0.016	0.015	0.019	17.06
46) 18 1262-1	0.112	0.096	0.090	0.076	0.070		*L	0.9920
47) 18 1262-2	0.173	0.126	0.113	0.093	0.087		*L	0.9923
48) 18 1262-3	0.127	0.104	0.098	0.082	0.077		*L	0.9932
49) 18 1262-4	0.241	0.191	0.180	0.156	0.150		*L	0.9966
50) 18 1262-5	0.086	0.073	0.069	0.059	0.055		*L	0.9931



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008618
Project Name : AMTRAK-NEW BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST23 **Ical Ref** : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.593	1.421	1.332	1.261	1.378	1.307	1.382	8.51
3) s Decachlorobip	1.681	1.312	1.188	1.080	1.145	1.076	1.247	18.42
4) 11 1016-1	0.031	0.028	0.027	0.024	0.025	0.022	0.026	11.60
5) 11 1016-2	0.072	0.064	0.059	0.053	0.055	0.050	0.059	13.55
6) 11 1016-3	0.138	0.118	0.114	0.104	0.111	0.103	0.115	11.12
7) 11 1016-4	0.055	0.047	0.045	0.041	0.043	0.039	0.045	12.58
8) 11 1016-5	0.045	0.038	0.038	0.035	0.036	0.033	0.038	11.16
9) 12 1260-1	0.099	0.079	0.076	0.068	0.071	0.066	0.077	15.38
10) 12 1260-2	0.117	0.095	0.088	0.080	0.084	0.079	0.091	15.45
11) 12 1260-3	0.096	0.080	0.076	0.069	0.073	0.068	0.077	13.68
12) 12 1260-4	0.193	0.162	0.153	0.142	0.154	0.147	0.158	11.41
13) 12 1260-5	0.137	0.116	0.111	0.101	0.107	0.101	0.112	12.25
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.021	0.016	0.015	0.014		0.017	16.92
16) 13 1221-2	0.013	0.013	0.011	0.010	0.009		0.011	15.13
17) 13 1221-3	0.047	0.048	0.039	0.035	0.033		0.040	17.44
18) 14 1254-1	0.074	0.079	0.063	0.056	0.054	0.050	*L	0.9924
19) 14 1254-2	0.092	0.094	0.072	0.064	0.062	0.057	*L	0.9920
20) 14 1254-3	0.114	0.120	0.096	0.085	0.084	0.079	*L	0.9945
21) 14 1254-4	0.087	0.092	0.072	0.065	0.064	0.060	*L	0.9940
22) 14 1254-5	0.124	0.132	0.105	0.094	0.092	0.086	*L	0.9940
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.027	0.022	0.023	0.021	0.019	0.017	0.022	16.41
25) 16 1242-2	0.063	0.051	0.051	0.048	0.042	0.039	0.049	17.68
26) 16 1242-3	0.123	0.095	0.096	0.090	0.082	0.079	0.094	16.48
27) 16 1242-4	0.042	0.033	0.033	0.033	0.028	0.026	0.033	16.88
28) 16 1242-5	0.039	0.032	0.033	0.031	0.028	0.026	0.031	13.91
29) 19 1268-1	0.301	0.217	0.218	0.205	0.193	0.190	*L	0.9992
30) 19 1268-2	0.287	0.215	0.217	0.203	0.190	0.187	*L	0.9989
31) 19 1268-3	0.200	0.149	0.147	0.138	0.129	0.127	*L	0.9989
32) 19 1268-4	0.110	0.077	0.077	0.073	0.066	0.064	*L	0.9978
33) 19 1268-5	0.589	0.413	0.413	0.403	0.382	0.382	*L	0.9997
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.032	0.029	0.031	0.028	0.033	13.55
36) 17 1248-2	0.050	0.048	0.043	0.037	0.040	0.035	0.042	13.89



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.061	0.059	0.053	0.045	0.049	0.044	0.052	13.69
38) 17 1248-4	0.065	0.064	0.058	0.050	0.056	0.050	0.057	11.36
39) 17 1248-5	0.072	0.072	0.064	0.056	0.061	0.056	0.063	11.30
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.039	0.033	0.032	0.028	0.026	0.024	0.030	18.61
42) 15 1232-2	0.039	0.034	0.034	0.029	0.027	0.025	0.031	17.27
43) 15 1232-3	0.071	0.059	0.060	0.053	0.050	0.047	0.057	15.18
44) 15 1232-4	0.023	0.020	0.019	0.017	0.016	0.015	0.018	15.25
45) 15 1232-5	0.021	0.019	0.018	0.017	0.016	0.015	0.017	13.01
46) 18 1262-1	0.090	0.077	0.074	0.064	0.060		0.073	16.26
47) 18 1262-2	0.127	0.106	0.102	0.088	0.085		0.102	16.62
48) 18 1262-3	0.121	0.101	0.097	0.085	0.081		0.097	16.30
49) 18 1262-4	0.219	0.185	0.178	0.159	0.156		0.179	14.09
50) 18 1262-5	0.079	0.068	0.068	0.058	0.056		0.066	14.02



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Calibration Date : 02/28/20 08:56
Lab File ID : P7200228a-02	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1345407-1	Init. Calib. Times : 02:30 13:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	110	0
2,4,5,6-Tetrachloro-m-xylene	160	155.494	-	2.8	20	109	0
Decachlorobiphenyl	320	288.603	-	9.8	20	104	0
1016-1	2500	2234.747	-	10.6	20	105	0
1016-2	2500	2222.593	-	11.1	20	105	0
1016-3	2500	2071.168	-	17.2	20	93	0
1016-4	2500	2126.52	-	14.9	20	99	0
1016-5	2500	2155.091	-	13.8	20	100	0
1260-1	2500	2301.251	-	7.9	20	107	0
1260-2	2500	2103.431	-	15.9	20	97	0
1260-3	2500	2147.848	-	14.1	20	97	0
1260-4	2500	2057.713	-	17.7	20	92	0
1260-5	2500	2156.702	-	13.7	20	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST7	Calibration Date : 02/28/20 08:56
Lab File ID : P7200228a-02	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1345407-1	Init. Calib. Times : 02:30 13:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	104	0
2,4,5,6-Tetrachloro-m-xylene	160	150.192	-	6.1	20	99	0
Decachlorobiphenyl #2	320	301.74	-	5.7	20	102	0
1016-1 #2	2500	2257.372	-	9.7	20	99	0
1016-2 #2	2500	2246.579	-	10.1	20	100	0
1016-3 #2	2500	2160.028	-	13.6	20	94	-.01
1016-4 #2	2500	2587.153	-	-3.5	20	114	0
1016-5 #2	2500	2378.455	-	4.9	20	105	-.01
1260-1 #2	2500	2507.317	-	-0.3	20	112	-.01
1260-2 #2	2500	2578.11	-	-3.1	20	114	-.01
1260-3 #2	2500	2521.39	-	-0.9	20	110	0
1260-4 #2	2500	2405.53	-	3.8	20	103	0
1260-5 #2	2500	2126.844	-	14.9	20	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Calibration Date : 03/01/20 15:02
Lab File ID : 21200301a-23	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1345881-2	Init. Calib. Times : 18:54 00:38
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	112	0
2,4,5,6-Tetrachloro-m-xylene	160	158.547	-	0.9	15	112	0
Decachlorobiphenyl	320	253.426	-	20.8*	15	89	0
1016-1	2500	2418.259	-	3.3	15	114	0
1016-2	2500	2309.915	-	7.6	15	110	0
1016-3	2500	2497.535	-	0.1	15	114	0
1016-4	2500	2444.865	-	2.2	15	113	0
1016-5	2500	2452.227	-	1.9	15	112	0
1260-1	2500	2277.99	-	8.9	15	105	0
1260-2	2500	2311.306	-	7.5	15	105	0
1260-3	2500	2279.838	-	8.8	15	107	0
1260-4	2500	2319.486	-	7.2	15	104	0
1260-5	2500	2267.057	-	9.3	15	103	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Calibration Date : 03/01/20 15:02
Lab File ID : 21200301a-23	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1345881-2	Init. Calib. Times : 18:54 00:38
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	114	0
2,4,5,6-Tetrachloro-m-xylene	160	156.977	-	1.9	15	110	0
Decachlorobiphenyl #2	320	245.012	-	23.4*	15	89	0
1016-1 #2	2500	2297.388	-	8.1	15	109	0
1016-2 #2	2500	2370.919	-	5.2	15	112	0
1016-3 #2	2500	2444.482	-	2.2	15	114	0
1016-4 #2	2500	2399.191	-	4	15	112	0
1016-5 #2	2500	2384.439	-	4.6	15	112	0
1260-1 #2	2500	2322.555	-	7.1	15	109	0
1260-2 #2	2500	2304.806	-	7.8	15	107	0
1260-3 #2	2500	2249.241	-	10	15	103	0
1260-4 #2	2500	2243.847	-	10.2	15	100	0
1260-5 #2	2500	2176.677	-	12.9	15	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST23	Calibration Date : 03/02/20 08:20
Lab File ID : 23200302a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1346106-1	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	92	0
2,4,5,6-Tetrachloro-m-xylen	160	141.816	-	11.4	15	90	0
Decachlorobiphenyl	320	298.36	-	6.8	15	86	0
1016-1	2500	2333.604	-	6.7	15	94	0
1016-2	2500	2241.923	-	10.3	15	93	0
1016-3	2500	2258.54	-	9.7	15	93	0
1016-4	2500	2257.732	-	9.7	15	93	0
1016-5	2500	2347.961	-	6.1	15	95	0
1260-1	2500	2194.408	-	12.2	15	92	0
1260-2	2500	2187.908	-	12.5	15	92	0
1260-3	2500	2198.424	-	12.1	15	91	0
1260-4	2500	2186.818	-	12.5	15	91	0
1260-5	2500	2144.421	-	14.2	15	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST23	Calibration Date : 03/02/20 08:20
Lab File ID : 23200302a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1346106-1	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	115	0
2,4,5,6-Tetrachloro-m-xylene	160	149.224	-	6.7	15	117	0
Decachlorobiphenyl #2	320	221.422	-	30.8*	15	92	0
1016-1 #2	2500	2472.216	-	1.1	15	123	0
1016-2 #2	2500	2372.519	-	5.1	15	120	0
1016-3 #2	2500	2353.034	-	5.9	15	119	0
1016-4 #2	2500	2401.763	-	3.9	15	121	0
1016-5 #2	2500	2369.001	-	5.2	15	118	0
1260-1 #2	2500	2232.561	-	10.7	15	115	0
1260-2 #2	2500	2194.085	-	12.2	15	114	0
1260-3 #2	2500	2127.058	-	14.9	15	109	0
1260-4 #2	2500	2075.478	-	17*	15	106	0
1260-5 #2	2500	2023.035	-	19.1*	15	103	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Calibration Date : 03/07/20 09:05
Lab File ID : 21200307a-02	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1348385-1	Init. Calib. Times : 18:54 00:38
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	97	0
2,4,5,6-Tetrachloro-m-xylene	160	162.977	-	-1.9	15	100	0
Decachlorobiphenyl	320	221.408	-	30.8*	15	68	0
1016-1	2500	2510.772	-	-0.4	15	103	0
1016-2	2500	2394.544	-	4.2	15	98	0
1016-3	2500	2542.729	-	-1.7	15	101	0
1016-4	2500	2500.041	-	-0	15	100	0
1016-5	2500	2531.508	-	-1.3	15	100	0
1260-1	2500	2241.802	-	10.3	15	90	0
1260-2	2500	2179.847	-	12.8	15	86	0
1260-3	2500	2160.509	-	13.6	15	88	0
1260-4	2500	2157.909	-	13.7	15	84	0
1260-5	2500	2022.37	-	19.1*	15	79	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Calibration Date : 03/07/20 09:05
Lab File ID : 21200307a-02	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1348385-1	Init. Calib. Times : 18:54 00:38
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	103	0
2,4,5,6-Tetrachloro-m-xylene	160	161.047	-	-0.7	15	102	0
Decachlorobiphenyl #2	320	212.485	-	33.6*	15	70	0
1016-1 #2	2500	2415.209	-	3.4	15	104	0
1016-2 #2	2500	2452.582	-	1.9	15	105	0
1016-3 #2	2500	2538.742	-	-1.5	15	107	0
1016-4 #2	2500	2442.358	-	2.3	15	103	0
1016-5 #2	2500	2413.383	-	3.5	15	103	0
1260-1 #2	2500	2192.063	-	12.3	15	93	0
1260-2 #2	2500	2149.144	-	14	15	91	0
1260-3 #2	2500	2013.635	-	19.5*	15	83	0
1260-4 #2	2500	1984.526	-	20.6*	15	80	0
1260-5 #2	2500	1848.173	-	26.1*	15	77	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Calibration Date : 03/08/20 20:19
Lab File ID : 21200308a-03	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1348590-1	Init. Calib. Times : 18:54 00:38
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	100	0
2,4,5,6-Tetrachloro-m-xylene	160	199.687	-	-24.8*	15	125	0
Decachlorobiphenyl	320	226.007	-	29.4*	15	71	0
1016-1	2500	2468.502	-	1.3	15	104	0
1016-2	2500	2426.178	-	3	15	102	0
1016-3	2500	2592.718	-	-3.7	15	105	0
1016-4	2500	2519.507	-	-0.8	15	103	0
1016-5	2500	2516.429	-	-0.7	15	102	0
1260-1	2500	2373.461	-	5.1	15	98	0
1260-2	2500	2412.167	-	3.5	15	97	0
1260-3	2500	2382.249	-	4.7	15	99	0
1260-4	2500	2567.73	-	-2.7	15	103	0
1260-5	2500	2187.011	-	12.5	15	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Calibration Date : 03/08/20 20:19
Lab File ID : 21200308a-03	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1348590-1	Init. Calib. Times : 18:54 00:38
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	104	0
2,4,5,6-Tetrachloro-m-xylene	160	163.277	-	-2	15	105	0
Decachlorobiphenyl #2	320	212.564	-	33.6*	15	70	0
1016-1 #2	2500	2375.999	-	5	15	103	0
1016-2 #2	2500	2489.71	-	0.4	15	107	0
1016-3 #2	2500	2564.153	-	-2.6	15	109	0
1016-4 #2	2500	2509.277	-	-0.4	15	107	0
1016-5 #2	2500	2483.606	-	0.7	15	107	0
1260-1 #2	2500	2426.535	-	2.9	15	104	0
1260-2 #2	2500	2385.502	-	4.6	15	102	0
1260-3 #2	2500	2102.75	-	15.9*	15	88	0
1260-4 #2	2500	2023.033	-	19.1*	15	83	0
1260-5 #2	2500	1887.034	-	24.5*	15	79	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Calibration Date : 03/09/20 14:00
Lab File ID : 21200309a-23	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1348696-2	Init. Calib. Times : 18:54 00:38
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	97	0
2,4,5,6-Tetrachloro-m-xylene	160	160.612	-	-0.4	15	98	0
Decachlorobiphenyl	320	256.888	-	19.7*	15	78	0
1016-1	2500	2671.829	-	-6.9	15	110	0
1016-2	2500	2393.406	-	4.3	15	98	0
1016-3	2500	2559.523	-	-2.4	15	101	0
1016-4	2500	2524.23	-	-1	15	101	0
1016-5	2500	2529.059	-	-1.2	15	100	0
1260-1	2500	2343.251	-	6.3	15	94	0
1260-2	2500	2356.879	-	5.7	15	93	0
1260-3	2500	2321.394	-	7.1	15	94	0
1260-4	2500	2537.988	-	-1.5	15	99	0
1260-5	2500	2278.257	-	8.9	15	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Instrument ID : PEST21	Calibration Date : 03/09/20 14:00
Lab File ID : 21200309a-23	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1348696-2	Init. Calib. Times : 18:54 00:38
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	104	0
2,4,5,6-Tetrachloro-m-xylene	160	161.333	-	-0.8	15	103	0
Decachlorobiphenyl #2	320	243.649	-	23.9*	15	80	0
1016-1 #2	2500	2421.091	-	3.2	15	104	0
1016-2 #2	2500	2446.191	-	2.2	15	105	0
1016-3 #2	2500	2503.837	-	-0.2	15	106	0
1016-4 #2	2500	2460.839	-	1.6	15	104	0
1016-5 #2	2500	2436.5	-	2.5	15	104	0
1260-1 #2	2500	2346.036	-	6.2	15	100	0
1260-2 #2	2500	2327.481	-	6.9	15	98	0
1260-3 #2	2500	2280.8	-	8.8	15	95	0
1260-4 #2	2500	2246.869	-	10.1	15	91	0
1260-5 #2	2500	2158.763	-	13.6	15	90	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008618
Project Name : AMTRAK-NEW BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST7 **Initial Calib. Date(s)** : 07/28/19 07/28/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1214573-1	07/28/19 02:30
1242/1268 L2	R1214573-2	07/28/19 02:43
1242/1268 L3	R1214573-6	07/28/19 02:56
1242/1268 L4	R1214573-3	07/28/19 03:09
1242/1268 L5	R1214573-4	07/28/19 03:22
1242/1268 L6	R1214573-5	07/28/19 03:35
1232/1262 L1	R1214573-7	07/28/19 03:48
1232/1262 L2	R1214573-8	07/28/19 04:01
1232/1262 L3	R1214573-12	07/28/19 04:14
1232/1262 L4	R1214573-13	07/28/19 09:12
1232/1262 L5	R1214573-14	07/28/19 09:24
1232/1262 L6	R1214573-15	07/28/19 09:37
1248 L1	R1214573-9	07/28/19 09:50
1248 L2	R1214573-10	07/28/19 10:03
1248 L3	R1214573-11	07/28/19 10:16
1248 L4	R1214573-16	07/28/19 10:29
1248 L5	R1214573-17	07/28/19 10:42
1248 L6	R1214573-18	07/28/19 10:55
1221/1254 L1	R1214573-20	07/28/19 11:08
1221/1254 L2	R1214573-19	07/28/19 11:21
1221/1254 L3	R1214573-21	07/28/19 11:34
1221/1254 L4	R1214573-22	07/28/19 11:47
1221/1254 L5	R1214573-24	07/28/19 12:00
1221/1254 L6	R1214573-23	07/28/19 12:13
1016/1260 L1	R1214573-25	07/28/19 12:26
1016/1260 L2	R1214573-26	07/28/19 12:39
1016/1260 L3	R1214573-27	07/28/19 12:52
1016/1260 L4	R1214573-28	07/28/19 13:05
1016/1260 L5	R1214573-29	07/28/19 13:18
1016/1260 L6	R1214573-30	07/28/19 13:31
R1214573-31 ICV	R1214573-31	07/28/19 13:44
R1214573-32 ICV	R1214573-32	07/28/19 13:57
R1214573-33 ICV	R1214573-33	07/28/19 14:10
R1214573-34 ICV	R1214573-34	07/28/19 14:23
R1214573-35 ICV	R1214573-35	07/28/19 14:36
WG1345407-1 CCAL	WG1345407-1	02/28/20 08:56
WG1345284-1 BLANK	WG1345284-1	02/28/20 14:42
WG1345284-2 LCS	WG1345284-2	02/28/20 14:54
WG1345284-3 LCSD	WG1345284-3	02/28/20 15:06



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008618
Project Name : AMTRAK-NEW BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279800-1	01/29/20 18:49
1242/1268 L2	R1279800-2	01/29/20 18:56
1242/1268 L3	R1279800-4	01/29/20 19:02
1242/1268 L4	R1279800-3	01/29/20 19:09
1242/1268 L5	R1279800-6	01/29/20 19:16
1242/1268 L6	R1279800-5	01/29/20 19:23
1232/1262 L1	R1279800-7	01/29/20 19:30
1232/1262 L2	R1279800-8	01/29/20 19:37
1232/1262 L3	R1279800-9	01/29/20 19:43
1232/1262 L4	R1279800-10	01/29/20 19:50
1232/1262 L5	R1279800-12	01/29/20 19:57
1232 L6	R1279800-11	01/29/20 20:04
1248 L1	R1279800-14	01/29/20 20:10
1248 L2	R1279800-13	01/29/20 20:17
1248 L3	R1279800-16	01/29/20 20:24
1248 L4	R1279800-15	01/29/20 20:31
1248 L5	R1279800-18	01/29/20 20:37
1248 L6	R1279800-17	01/29/20 20:44
1221/1254 L1	R1279800-19	01/29/20 20:51
1221/1254 L2	R1279800-20	01/29/20 20:58
1221/1254 L4	R1279800-22	01/29/20 21:11
1221/1254 L5	R1279800-23	01/29/20 21:18
1254 L6	R1279800-21	01/29/20 21:25
1016/1260 L1	R1279800-24	01/29/20 21:32
1016/1260 L2	R1279800-25	01/29/20 21:38
1016/1260 L3	R1279800-27	01/29/20 21:45
1016/1260 L4	R1279800-26	01/29/20 21:52
1016/1260 L5	R1279800-28	01/29/20 21:58
1016/1260 L6	R1279800-29	01/29/20 22:05
R1279800-30 ICV	R1279800-30	01/29/20 22:12
R1279800-31 ICV	R1279800-31	01/29/20 22:19
R1279800-33 ICV	R1279800-33	01/29/20 22:25
R1279800-32 ICV	R1279800-32	01/29/20 22:39
1221/1254 L3	R1279800-35	01/30/20 22:53
R1279800-34 ICV	R1279800-34	01/30/20 23:00
WG1346106-1 CCAL	WG1346106-1	03/02/20 08:20
E-98-3.0-3.5	L2008618-02 D	03/02/20 13:54



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008618
Project Name : AMTRAK-NEW BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST21 **Initial Calib. Date(s)** : 11/25/19 11/26/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1261677-1	11/25/19 18:54
1242/1268 L2	R1261677-2	11/25/19 19:06
1242/1268 L3	R1261677-3	11/25/19 19:17
1242/1268 L4	R1261677-4	11/25/19 19:29
1242/1268 L5	R1261677-6	11/25/19 19:41
1242/1268 L6	R1261677-5	11/25/19 19:53
1232/1262 L1	R1261677-8	11/25/19 20:05
1232/1262 L2	R1261677-7	11/25/19 20:17
1232/1262 L3	R1261677-14	11/25/19 20:29
1232/1262 L4	R1261677-9	11/25/19 20:40
1232/1262 L5	R1261677-10	11/25/19 20:52
1232/1262 L6	R1261677-12	11/25/19 21:04
1248 L1	R1261677-11	11/25/19 21:16
1248 L2	R1261677-17	11/25/19 21:28
1248 L3	R1261677-19	11/25/19 21:40
1248 L4	R1261677-21	11/25/19 21:52
1248 L5	R1261677-20	11/25/19 22:03
1248 L6	R1261677-13	11/25/19 22:15
1221/1254 L1	R1261677-15	11/25/19 22:27
1221/1254 L2	R1261677-16	11/25/19 22:39
1221/1254 L3	R1261677-18	11/25/19 22:51
1221/1254 L4	R1261677-23	11/25/19 23:03
1221/1254 L5	R1261677-22	11/25/19 23:15
1221/1254 L6	R1261677-25	11/25/19 23:26
1016/1260 L1	R1261677-26	11/25/19 23:38
1016/1260 L2	R1261677-24	11/25/19 23:50
1016/1260 L3	R1261677-29	11/26/19 00:02
1016/1260 L4	R1261677-27	11/26/19 00:14
1016/1260 L5	R1261677-28	11/26/19 00:26
1016/1260 L6	R1261677-30	11/26/19 00:38
R1261677-31 ICV	R1261677-31	11/26/19 00:49
R1261677-32 ICV	R1261677-32	11/26/19 01:01
R1261677-34 ICV	R1261677-34	11/26/19 01:13
R1261677-33 ICV	R1261677-33	11/26/19 01:25
R1261677-35 ICV	R1261677-35	11/26/19 01:37
WG1345881-2 CCAL	WG1345881-2	03/01/20 15:02
E-98-0.5-1.0	L2008618-01 D	03/01/20 20:29
WG1348385-1 CCAL	WG1348385-1	03/07/20 09:05
E-108-3.0-3.5	L2008618-05	03/07/20 11:52
E-108-4.0-4.5	L2008618-06	03/07/20 12:04
E-101-0.5-1.0	L2008618-07	03/07/20 12:15
E-101-3.0-3.5	L2008618-08	03/07/20 12:27



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008618
Project Name : AMTRAK-NEW BARRACKS **Project Number** : 277710568.0007.03
Instrument ID : PEST21 **Initial Calib. Date(s)** : 11/25/19 11/26/19

Client ID	Lab ID	Date/Time Analyzed
E-106-0.5-1.0	L2008618-09	03/07/20 12:39
E-106-4.0-4.5	L2008618-10	03/07/20 12:51
WG1348141-1 BLANK	WG1348141-1	03/07/20 13:03
WG1348141-2 LCS	WG1348141-2	03/07/20 13:15
WG1348141-3 LCSD	WG1348141-3	03/07/20 13:27
WG1348590-1 CCAL	WG1348590-1	03/08/20 20:19
E-108-0.5-1.0	L2008618-04 D	03/08/20 22:45
WG1348696-2 CCAL	WG1348696-2	03/09/20 14:00
E-98-4.0-4.5	L2008618-03 D	03/09/20 18:02



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-NEW BARRACKS

Lab Number: L2008618
 Project Number: 277710568.0007.03
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-98-0.5-1.0 (L2008618-01D)	0*	0*	0*	0*			4
E-98-3.0-3.5 (L2008618-02D)	0*	0*	0*	0*			4
E-98-4.0-4.5 (L2008618-03D)	0*	0*	0*	0*			4
E-108-0.5-1.0 (L2008618-04D)	38	39	27*	73			1
E-108-3.0-3.5 (L2008618-05)	47	47	33	40			0
E-108-4.0-4.5 (L2008618-06)	47	46	33	54			0
E-101-0.5-1.0 (L2008618-07)	55	50	38	41			0
E-101-3.0-3.5 (L2008618-08)	59	60	39	41			0
E-106-0.5-1.0 (L2008618-09)	56	54	46	46			0
E-106-4.0-4.5 (L2008618-10)	41	40	40	43			0
WG1345284-1BLANK	74	77	78	80			0
WG1345284-2LCS	72	70	75	78			0
WG1345284-3LCSD	73	72	75	79			0
WG1348141-1BLANK	60	62	41	39			0
WG1348141-2LCS	61	61	41	39			0
WG1348141-3LCSD	66	65	43	42			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082



Batch QC Summary

Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008618
 Project Name : AMTRAK-NEW BARRACKS Project Number : 277710568.0007.03
 Matrix : SOIL
 LCS Sample ID : WG1345284-2 Analysis Date : 02/28/20 14:54 File ID : P7200228a-13
 LCSD Sample ID : WG1345284-3 Analysis Date : 02/28/20 15:06 File ID : P7200228a-14

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.198	0.165	83	0.202	0.171	84	1	40-140	30
Aroclor 1260	0.198	0.172	87	0.202	0.176	87	0	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008618
 Project Name : AMTRAK-NEW BARRACKS Project Number : 277710568.0007.03
 Matrix : SOIL
 LCS Sample ID : WG1348141-2 Analysis Date : 03/07/20 13:15 File ID : 21200307a-20
 LCSD Sample ID : WG1348141-3 Analysis Date : 03/07/20 13:27 File ID : 21200307a-21

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.203	0.133	66	0.206	0.150	73	10	40-140	30
Aroclor 1260	0.203	0.105	52	0.206	0.116	56	7	40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008618-01D	
Client ID : E-98-0.5-1.0	
Date Analyzed (1) : 03/01/20 20:29	Date Analyzed (2) : 03/01/20 20:29
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.81	4.74	4.84	2.91		
	2	5.01	4.94	5.04	3.42		
COLUMN 1	3	5.48	5.40	5.50	3.07		
	4	5.69	5.62	5.72	3.64		
	5	5.89	5.81	5.91	3.49	3.3	
COLUMN 2	1	5.37	5.31	5.41	2.84		
	2	5.52	5.46	5.56	3.24		
	3	6.05	5.98	6.08	3.38		
	4	6.21	6.14	6.24	3.08		
	5	6.47	6.39	6.49	3.12	3.13	5



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008618-02D	
Client ID : E-98-3.0-3.5	
Date Analyzed (1) : 03/02/20 13:54	Date Analyzed (2) : 03/02/20 13:54
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	2.27	2.22	2.32	27.9			
	2	2.39	2.34	2.44	34.			
	COLUMN 1	3	2.68	2.63	2.73	33.5		
		4	2.83	2.78	2.88	38.2		
		5	2.97	2.92	3.02	41.	34.9	
COLUMN 2	1	2.72	2.67	2.77	27.2			
	2	2.82	2.77	2.87	35.			
	3	3.19	3.14	3.24	36.			
	4	3.32	3.27	3.37	37.7			
	5	3.52	3.47	3.57	37.9	34.8	0	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008618-03D	
Client ID : E-98-4.0-4.5	
Date Analyzed (1) : 03/09/20 18:02	Date Analyzed (2) : 03/09/20 18:02
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.81	4.73	4.83	5.56		
	2	5.01	4.94	5.04	7.05		
COLUMN 1	3	5.47	5.40	5.50	6.88		
	4	5.69	5.62	5.72	7.74		
	5	5.89	5.81	5.91	8.39	7.12	
COLUMN 2	1	5.37	5.31	5.41	5.39		
	2	5.52	5.46	5.56	7.22		
	3	6.05	5.98	6.08	7.37		
	4	6.21	6.14	6.24	7.91		
	5	6.47	6.39	6.49	8.09	7.2	1



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008618-04D	
Client ID : E-108-0.5-1.0	
Date Analyzed (1) : 03/08/20 22:45	Date Analyzed (2) : 03/08/20 22:45
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.79	4.74	4.84	0.717		
	2	4.99	4.94	5.04	0.865		
COLUMN 1	3	5.45	5.41	5.51	0.972		
	4	5.67	5.62	5.72	0.994		
	5	5.86	5.82	5.92	0.999	0.909	
COLUMN 2	1	5.37	5.32	5.42	0.665		
	2	5.51	5.46	5.56	0.767		
	3	6.03	5.98	6.08	0.985		
	4	6.19	6.15	6.25	0.878		
	5	6.44	6.39	6.49	0.932	0.846	7



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008618-05	
Client ID : E-108-3.0-3.5	
Date Analyzed (1) : 03/07/20 11:52	Date Analyzed (2) : 03/07/20 11:52
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.79	4.74	4.84	0.0576		
	2	4.99	4.94	5.04	0.065		
COLUMN 1	3	0.00	5.40	5.50	0.		
	4	5.67	5.62	5.72	0.0703		
	5	5.86	5.82	5.92	0.0618	0.0637	
COLUMN 2	1	5.37	5.32	5.42	0.0553		
	2	5.51	5.46	5.56	0.0608		
	3	6.03	5.98	6.08	0.0537		
	4	6.19	6.15	6.25	0.0548		
	5	6.44	6.39	6.49	0.0599	0.0569	11



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008618
Project Name	: AMTRAK-NEW BARRACKS	Project Number	: 277710568.0007.03
Lab Sample ID	: L2008618-06		
Client ID	: E-108-4.0-4.5		
Date Analyzed (1)	: 03/07/20 12:04	Date Analyzed (2)	: 03/07/20 12:04
Instrument ID (1)	: PEST21	Instrument ID (2)	: PEST21
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.79	4.74	4.84	0.234		
	2	4.99	4.94	5.04	0.274		
COLUMN 1	3	0.00	5.40	5.50	0.		
	4	5.67	5.62	5.72	0.306		
	5	5.86	5.82	5.92	0.291	0.276	
COLUMN 2	1	5.36	5.32	5.42	0.213		
	2	5.51	5.46	5.56	0.275		
	3	6.03	5.98	6.08	0.221		
	4	6.19	6.15	6.25	0.268		
	5	6.44	6.39	6.49	0.281	0.252	9



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008618-07	
Client ID : E-101-0.5-1.0	
Date Analyzed (1) : 03/07/20 12:15	Date Analyzed (2) : 03/07/20 12:15
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	4.79	4.74	4.84	0.248			
	2	4.99	4.94	5.04	0.351			
	COLUMN 1	3	5.45	5.40	5.50	0.282		
		4	5.67	5.62	5.72	0.331		
		5	5.86	5.82	5.92	0.37	0.316	
COLUMN 2	1	5.36	5.32	5.42	0.235			
	2	5.51	5.46	5.56	0.303			
	3	6.03	5.98	6.08	0.29			
	4	6.19	6.15	6.25	0.277			
	5	6.44	6.39	6.49	0.328	0.287	10	



Identification Summary

Form 10

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008618
Project Name	: AMTRAK-NEW BARRACKS	Project Number	: 277710568.0007.03
Lab Sample ID	: L2008618-08		
Client ID	: E-101-3.0-3.5		
Date Analyzed (1)	: 03/07/20 12:27	Date Analyzed (2)	: 03/07/20 12:27
Instrument ID (1)	: PEST21	Instrument ID (2)	: PEST21
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD
			From	To			
AROCOR 1260	1	4.79	4.74	4.84	0.0239		
	2	4.99	4.94	5.04	0.0282		
COLUMN 1	3	5.45	5.40	5.50	0.048		
	4	5.67	5.62	5.72	0.0295		
	5	5.86	5.82	5.92	0.0298	0.0319J	
COLUMN 2	1	5.36	5.32	5.42	0.026		
	2	5.51	5.46	5.56	0.0241		
	3	6.03	5.98	6.08	0.0235		
	4	6.19	6.15	6.25	0.0284		
	5	6.44	6.39	6.49	0.0257	0.0255J	NC



Identification Summary
Form 10
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008618
 Project Name : AMTRAK-NEW BARRACKS Project Number : 277710568.0007.03
 Lab Sample ID : L2008618-09
 Client ID : E-106-0.5-1.0
 Date Analyzed (1) : 03/07/20 12:39 Date Analyzed (2) : 03/07/20 12:39
 Instrument ID (1) : PEST21 Instrument ID (2) : PEST21
 GC Column (1) : CLP-Pesticide GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.79	4.74	4.84	0.149		
	2	4.99	4.94	5.04	0.171		
COLUMN 1	3	5.45	5.40	5.50	0.155		
	4	5.67	5.62	5.72	0.216		
	5	5.86	5.82	5.92	0.211	0.18	
COLUMN 2	1	5.37	5.32	5.42	0.158		
	2	5.51	5.46	5.56	0.172		
	3	6.03	5.98	6.08	0.168		
	4	6.20	6.15	6.25	0.184		
	5	6.44	6.39	6.49	0.195	0.176	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab Sample ID : L2008618-10	
Client ID : E-106-4.0-4.5	
Date Analyzed (1) : 03/07/20 12:51	Date Analyzed (2) : 03/07/20 12:51
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1254	1	0.00	-0.05	0.05	0.			
	2	4.35	-0.05	0.05	0.664			
	COLUMN 1	3	4.65	-0.05	0.05	0.576		
		4	4.99	-0.05	0.05	0.682		
		5	5.20	-0.05	0.05	0.825	0.687	
COLUMN 2	1	0.00	-0.05	0.05	0.			
	2	4.88	-0.05	0.05	0.554			
	3	5.23	-0.05	0.05	0.607			
	4	5.39	-0.05	0.05	0.426			
	5	5.77	-0.05	0.05	0.808	0.599	14	
AROCOR 1260	1	0.00	4.74	4.84	0.			
	2	0.00	4.94	5.04	0.			
	COLUMN 1	3	5.45	5.40	5.50	0.0923		
		4	5.67	5.62	5.72	0.121		
		5	5.86	5.82	5.92	0.124	0.112	
COLUMN 2	1	0.00	5.32	5.42	0.			
	2	0.00	5.46	5.56	0.			
	3	6.03	5.98	6.08	0.0753			
	4	6.20	6.15	6.25	0.113			
	5	6.44	6.39	6.49	0.123	0.104	7	



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-28.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 08:29 pm
 Operator : pest21:ht
 Sample : l2008618-01d,42e,20,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 21:08:26 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards							
1) i	1660_1br2nb	2.100	2.202	179.3E6	345.1E6	250.000M4	250.000M4
	Standard Area 1 : #1 = 170726179					Recovery = 105.04%	
	Standard Area 1 : #2 = 318155725					Recovery = 108.47%	
14) i	2154_1br2nb	2.100	2.202	179.3E6	345.1E6	250.000M4	250.000M4
23) i	4268_1br2nb	2.100	2.202	179.3E6	345.1E6	250.000M4	250.000M4
34) i	1248_1br2nb	2.100	2.202	179.3E6	345.1E6	250.000M4	250.000M4
40) i	3262_1br2nb	2.100	2.202	179.3E6	345.1E6	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000 Range 30 - 150			Recovery = 0.00%#		0.00%#	
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000 Range 30 - 150			Recovery = 0.00%#		0.00%#	
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	4.807f	5.371	72964306	135.4E6	1882.295M4	1837.444M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-28.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 08:29 pm
 Operator : pest21:ht
 Sample : l2008618-01d,42e,20,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 21:08:26 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12	1260-2	5.011f	5.517	126.6E6	181.2E6	2206.612M4	2094.758M4
11) 12	1260-3	5.475f	6.046	71466169	149.8E6	1981.355	2181.322
12) 12	1260-4	5.689f	6.212f	179.9E6	283.2E6	2352.122	1992.081
13) 12	1260-5	5.888f	6.469f	123.3E6	194.0E6	2255.630	2015.539
	Sum 1260-1			574.1E6	943.6E6	10678.013	10121.145
	Average 1260-1					2135.603	2024.229
15) 13	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-28.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 08:29 pm
 Operator : pest21:ht
 Sample : l2008618-01d,42e,20,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 21:08:26 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-23.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-28.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 08:29 pm
 Operator : pest21:ht
 Sample : 12008618-01d,42e,20,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 21:08:26 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

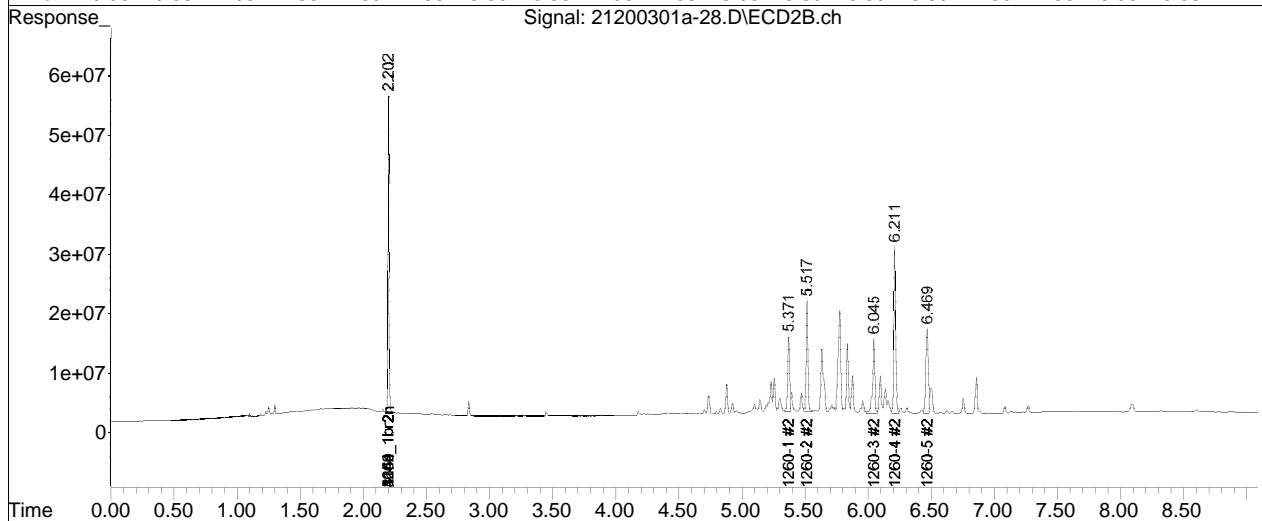
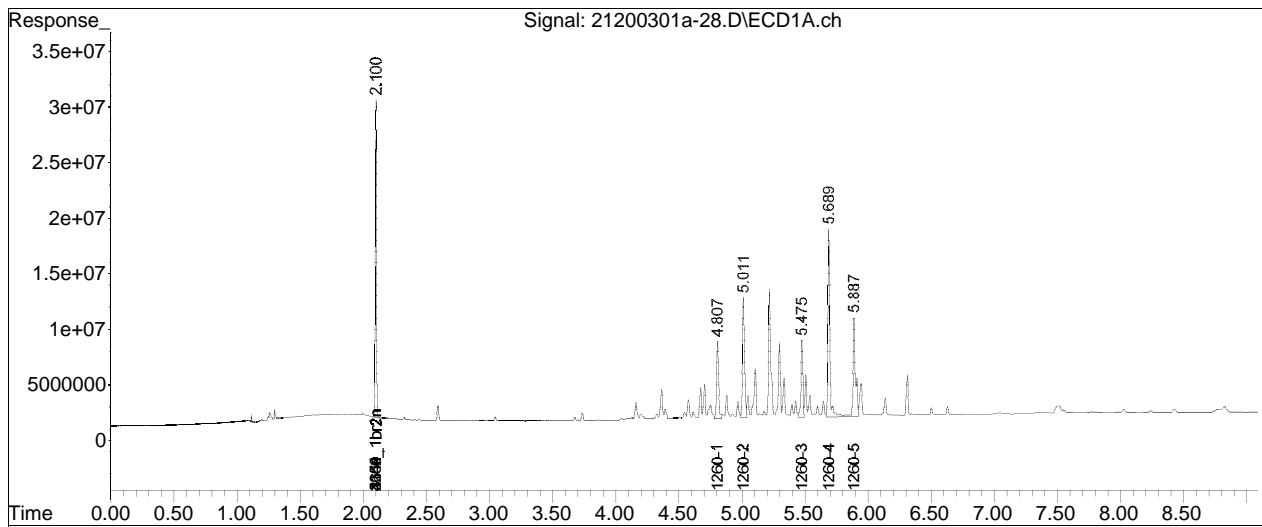
Sub List : Default - All compounds listed01a\21200301a-23.D**

Data Path : I:\Pest21\data\2020\21200301a\
Data File : 21200301a-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Mar 2020 08:29 pm
Operator : pest21:ht
Sample : l2008618-01d,42e,20,
Misc : wg1345881,wg1345284,ical16334
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 03 21:08:26 2020
Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

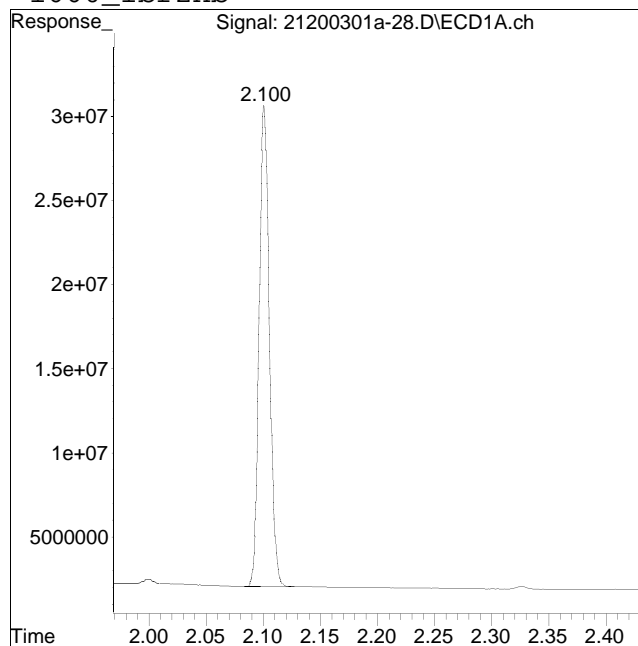
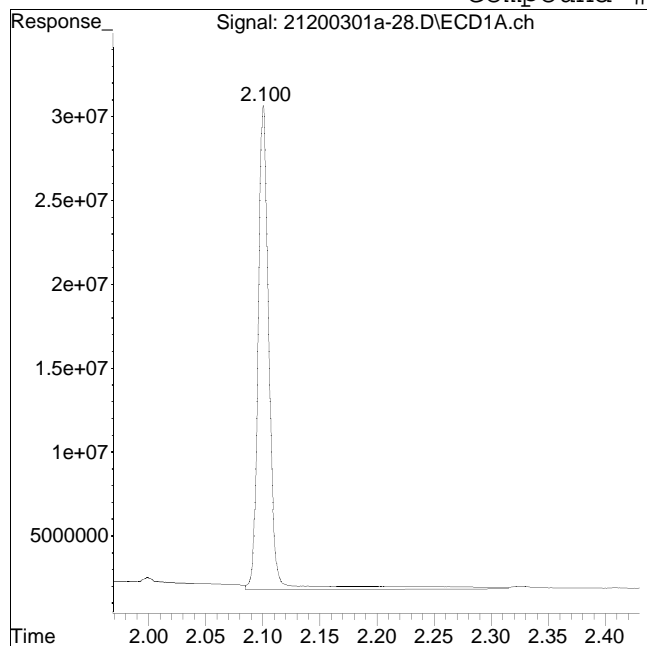
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-28.D Operator : pest21:ht
Date Inj'd : 3/1/2020 8:29 pm Instrument : Pest 21
Sample : 12008618-01d,42e,20, Quant Date : 3/2/2020 7:26 am

Compound #1: 1660_1br2nb



Original Peak Response = 203131364

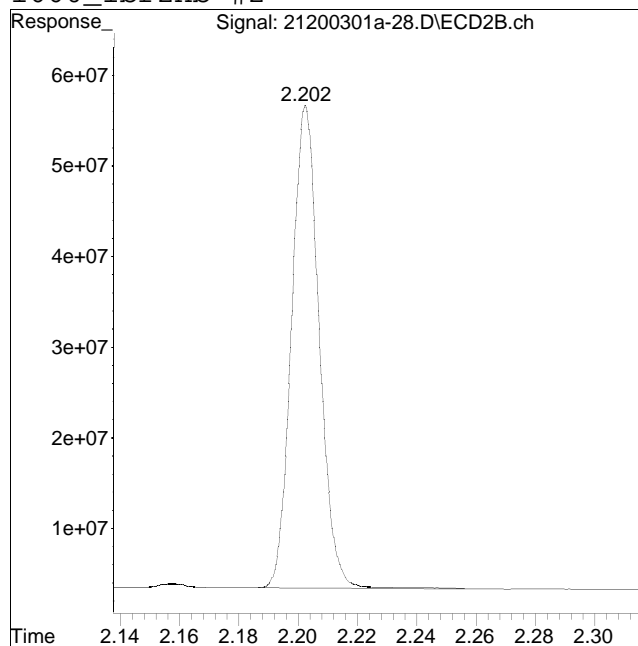
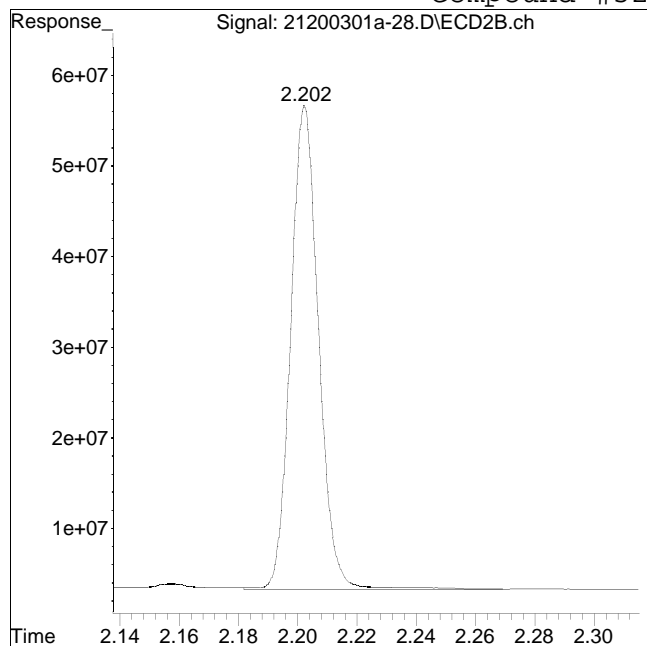
Manual Peak Response = 179325991 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-28.D Operator : pest21:ht
Date Inj'd : 3/1/2020 8:29 pm Instrument : Pest 21
Sample : 12008618-01d,42e,20, Quant Date : 3/2/2020 7:26 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 349770810

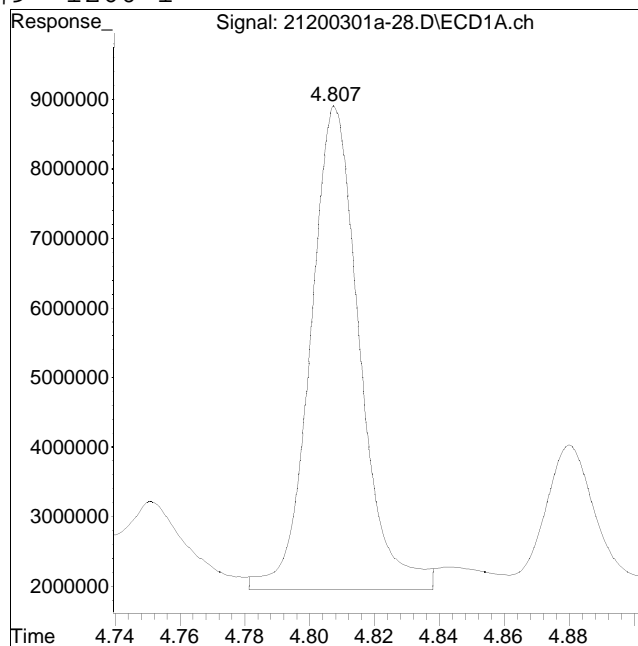
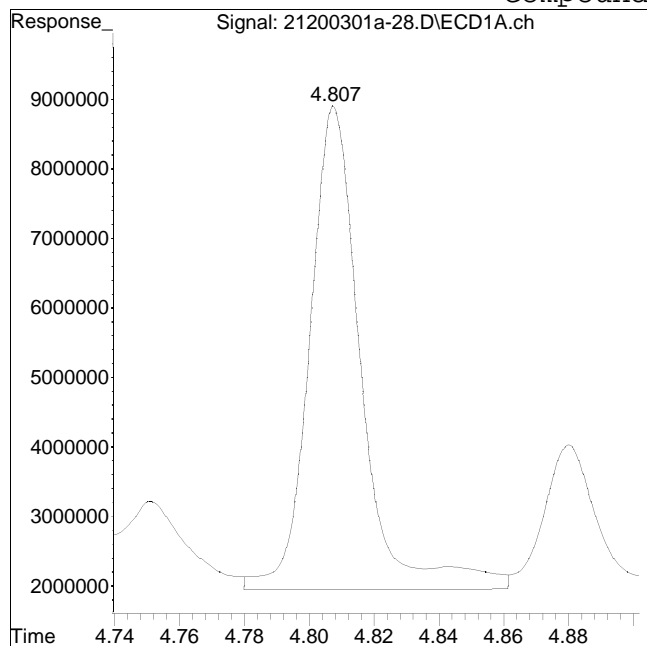
Manual Peak Response = 345112509 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-28.D Operator : pest21:ht
Date Inj'd : 3/1/2020 8:29 pm Instrument : Pest 21
Sample : 12008618-01d,42e,20, Quant Date : 3/2/2020 7:26 am

Compound #9: 1260-1



Original Peak Response = 76927213

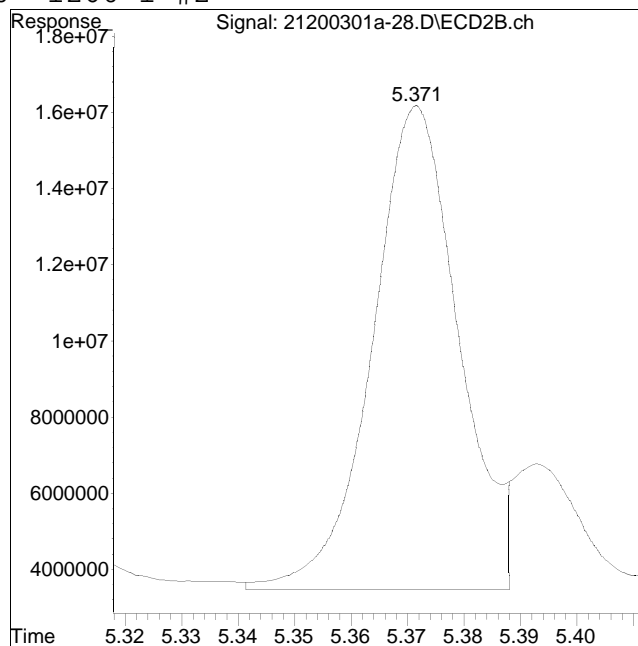
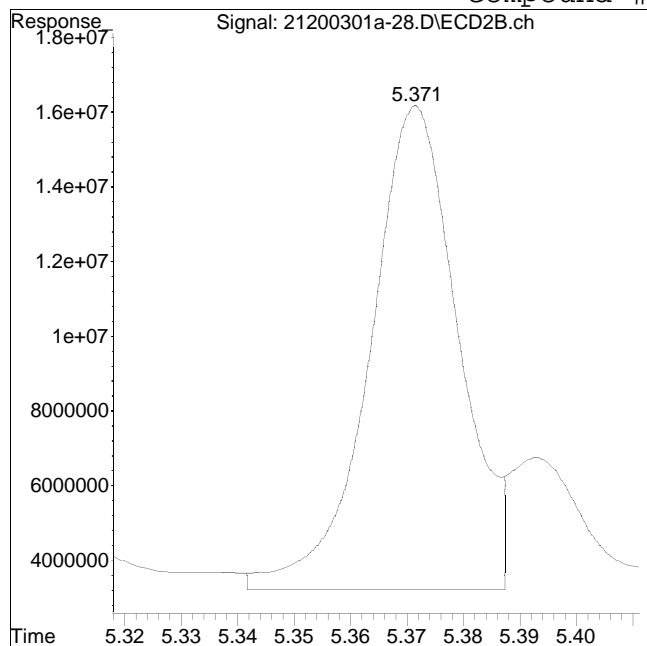
Manual Peak Response = 72964306 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-28.D Operator : pest21:ht
Date Inj'd : 3/1/2020 8:29 pm Instrument : Pest 21
Sample : 12008618-01d,42e,20, Quant Date : 3/2/2020 7:26 am

Compound #60: 1260-1 #2



Original Peak Response = 141025095

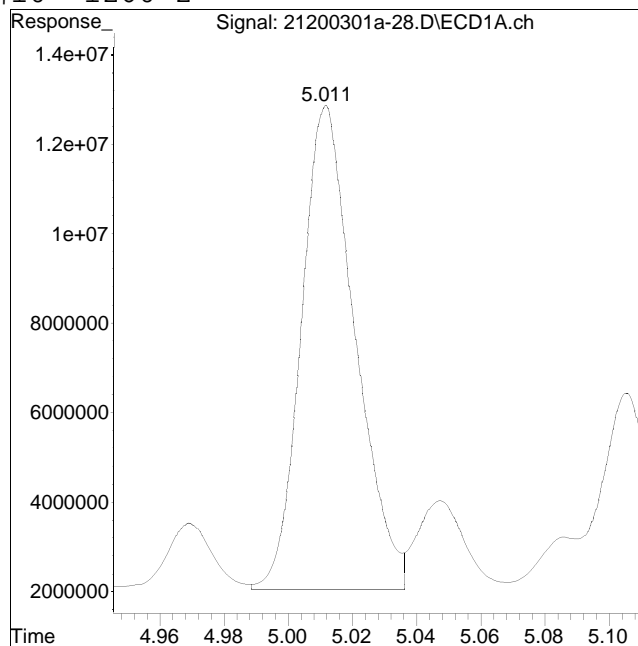
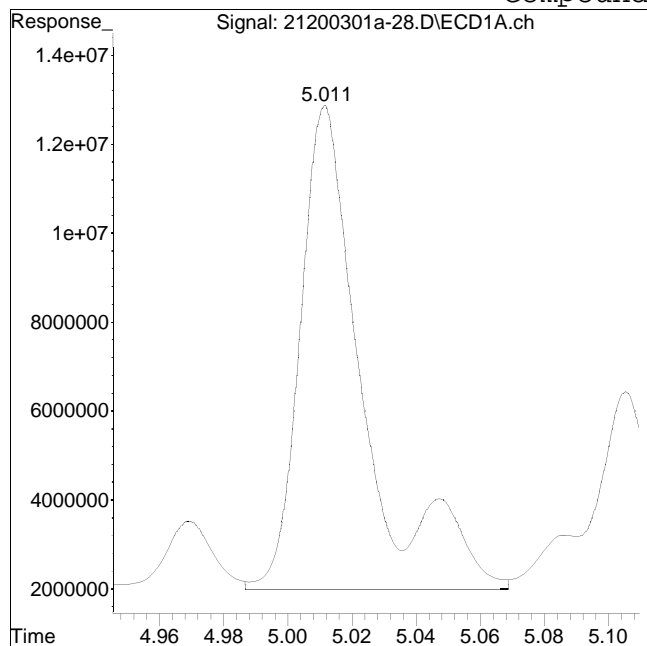
Manual Peak Response = 135352098 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-28.D Operator : pest21:ht
Date Inj'd : 3/1/2020 8:29 pm Instrument : Pest 21
Sample : 12008618-01d,42e,20, Quant Date : 3/2/2020 7:26 am

Compound #10: 1260-2



Original Peak Response = 149970882

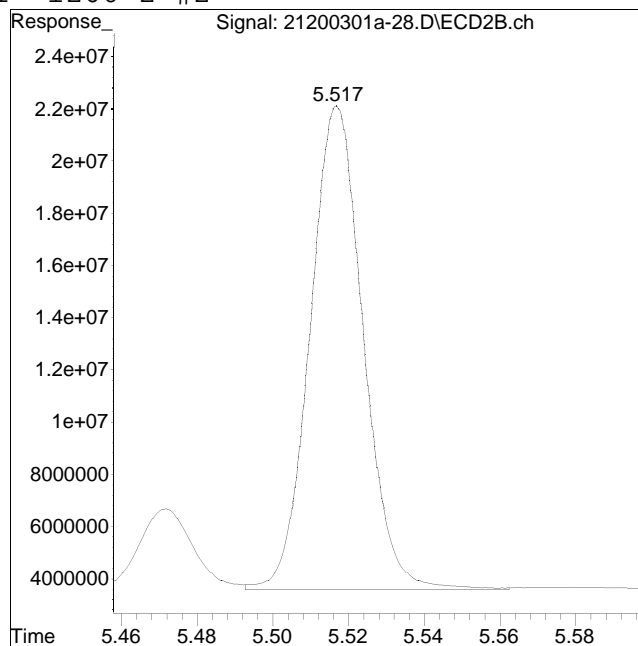
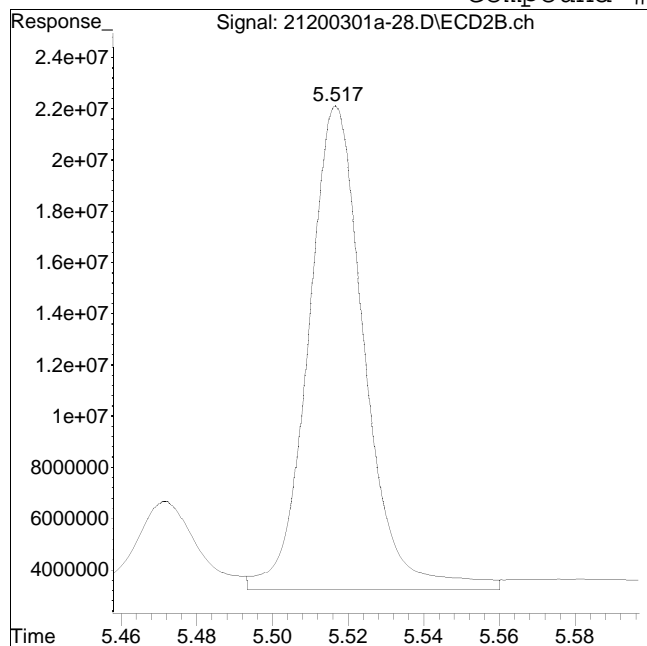
Manual Peak Response = 126583487 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-28.D Operator : pest21:ht
Date Inj'd : 3/1/2020 8:29 pm Instrument : Pest 21
Sample : 12008618-01d,42e,20, Quant Date : 3/2/2020 7:26 am

Compound #61: 1260-2 #2



Original Peak Response = 194845201

Manual Peak Response = 181237656 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 11:52 am
 Operator : pest21:ht
 Sample : l2008618-05,42e,,
 Misc : wgl1348385,wgl1348141,ical16334
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:24:41 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.088	2.198	149.7E6	292.7E6	250.000	250.000
Standard Area 1 : #1 = 147894389					Recovery =	101.25%
Standard Area 1 : #2 = 287723858					Recovery =	101.74%
14) i 2154_1br2nb	2.088	2.198	149.7E6	292.7E6	250.000	250.000
23) i 4268_1br2nb	2.088	2.198	149.7E6	292.7E6	250.000	250.000
34) i 1248_1br2nb	2.088	2.198	149.7E6	292.7E6	250.000	250.000
40) i 3262_1br2nb	2.088	2.198	149.7E6	292.7E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.575	2.833	145.5E6	288.8E6	233.793	237.098
Spiked Amount 500.000	Range 30 - 150				Recovery =	46.76%
3) s Decachlorobi	6.585	7.202	83535902	167.7E6	163.803	200.463M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	32.76%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.786	5.365	23604701	43780961	729.236	700.715
10) l2 1260-2	4.990	5.510	39452400	56579628	823.597	770.997
11) l2 1260-3	0.000	6.032	0	39608557	N.D. d	680.104
12) l2 1260-4	5.667	6.194	56855194	83827028	890.371	695.117
13) l2 1260-5	5.864	6.442	35756782	61928495	783.661	758.705
Sum 1260-1			155.7E6	285.7E6	3226.865	3605.638
Average 1260-1					806.716	721.128

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 11:52 am
 Operator : pest21:ht
 Sample : l2008618-05,42e,,
 Misc : wgl1348385,wgl1348141,ical16334
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:24:41 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 11:52 am
 Operator : pest21:ht
 Sample : l2008618-05,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:24:41 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-13.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 11:52 am
 Operator : pest21:ht
 Sample : l2008618-05,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:24:41 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

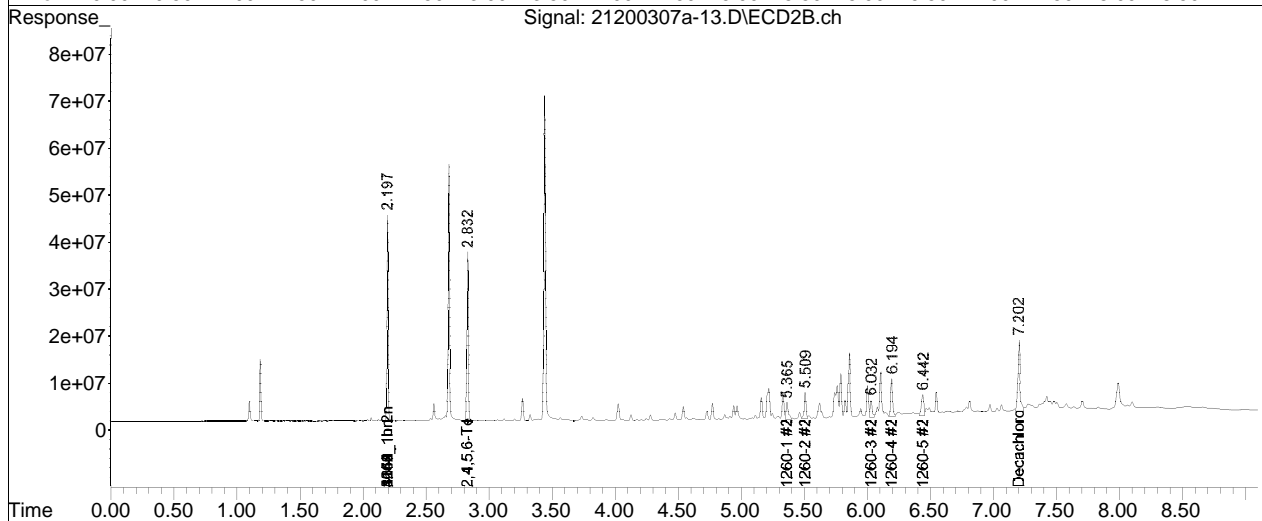
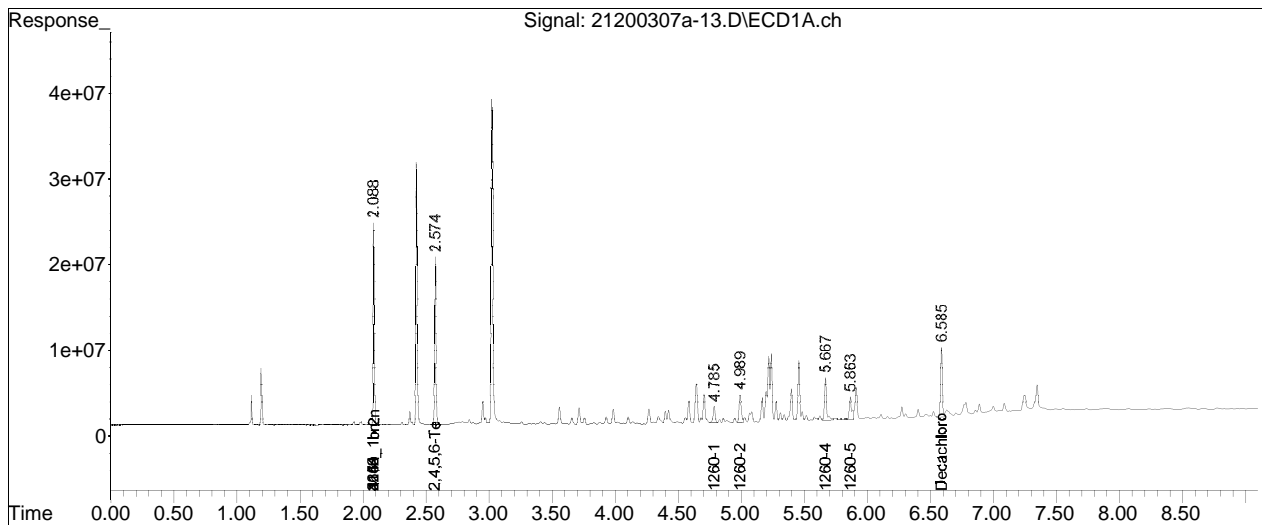
Sub List : Default - All compounds listed07a\21200307a-02.D**

Data Path : I:\Pest21\data\2020\21200307a\
Data File : 21200307a-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2020 11:52 am
Operator : pest21:ht
Sample : l2008618-05,42e,,
Misc : wg1348385,wg1348141,ical16334
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 20:24:41 2020
Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

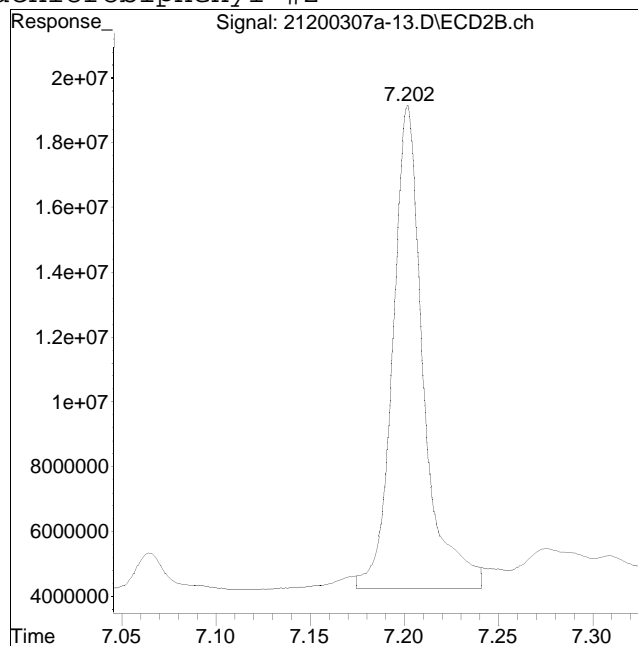
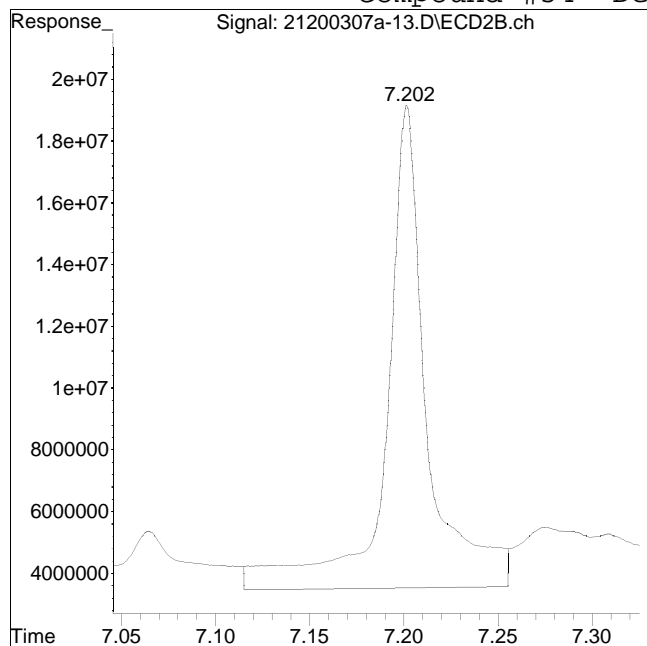
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-13.D Operator : pest21:ht
Date Inj'd : 3/7/2020 11:52 am Instrument : Pest 21
Sample : 12008618-05,42e,, Quant Date : 3/8/2020 6:39 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 237121894

Manual Peak Response = 167686246 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:04 pm
 Operator : pest21:ht
 Sample : l2008618-06,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:25:51 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.089	2.198	155.3E6	301.3E6	250.000	250.000
Standard Area 1 : #1 = 147894389					Recovery =	105.00%
Standard Area 1 : #2 = 287723858					Recovery =	104.73%
14) i 2154_1br2nb	2.089	2.198	155.3E6	301.3E6	250.000	250.000
23) i 4268_1br2nb	2.089	2.198	155.3E6	301.3E6	250.000	250.000
34) i 1248_1br2nb	2.089	2.198	155.3E6	301.3E6	250.000	250.000
40) i 3262_1br2nb	2.089	2.198	155.3E6	301.3E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.575	2.833	151.7E6	286.9E6	234.993	228.869
Spiked Amount 500.000	Range 30 - 150		Recovery =		47.00%	45.77%
3) s Decachlorobi	6.586	7.201	88127935	230.4E6	166.636	267.554M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		33.33%	53.51%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.786	5.365	91933505	160.2E6	2738.733	2490.715M4
10) l2 1260-2	4.990	5.510	159.3E6	243.1E6	3206.624	3217.535
11) l2 1260-3	0.000	6.032	0	155.3E6	N.D. d	2590.987
12) l2 1260-4	5.667	6.194	237.2E6	389.1E6	3581.835	3134.766
13) l2 1260-5	5.863	6.443	161.1E6	276.4E6	3405.371	3289.614
Sum 1260-1			649.6E6	1224.1E6	12932.563	14723.618
Average 1260-1					3233.141	2944.724

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:04 pm
 Operator : pest21:ht
 Sample : l2008618-06,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:25:51 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:04 pm
 Operator : pest21:ht
 Sample : l2008618-06,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:25:51 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-14.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:04 pm
 Operator : pest21:ht
 Sample : l2008618-06,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:25:51 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

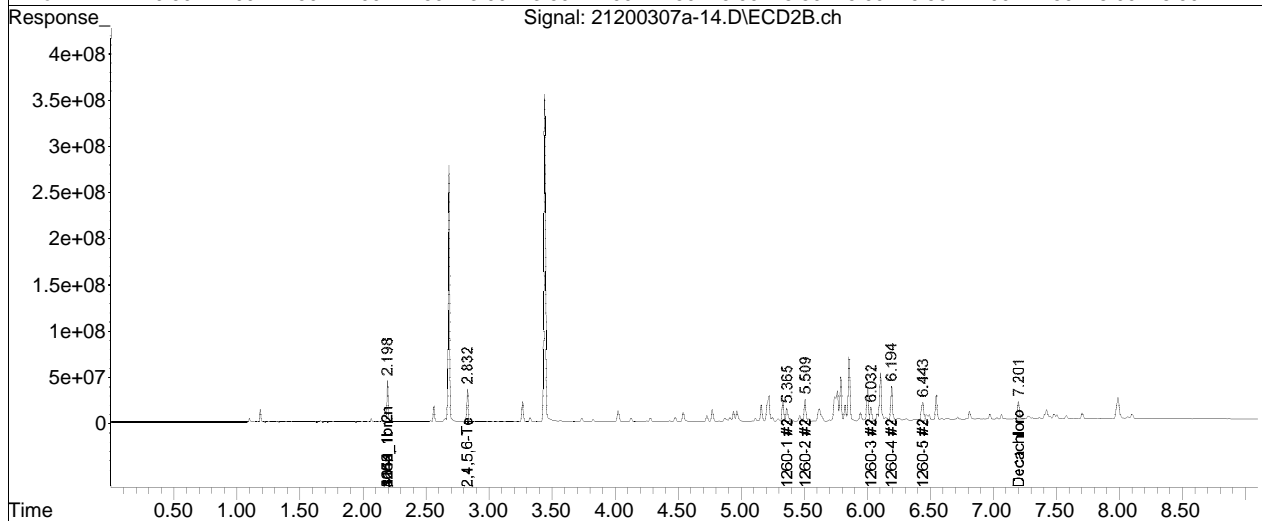
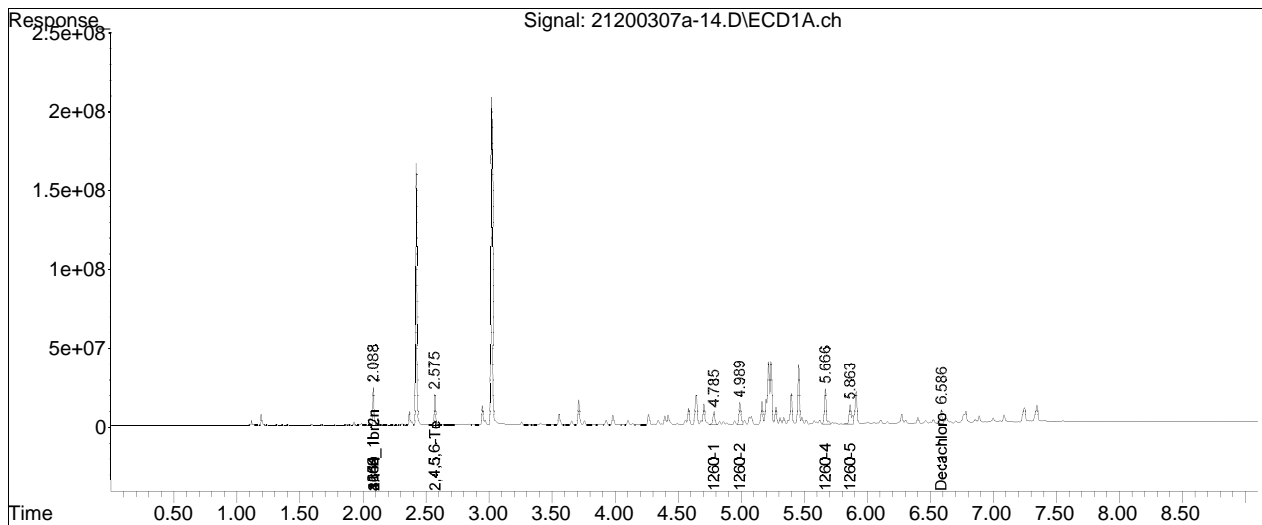
Sub List : Default - All compounds listed07a\21200307a-02.D**

Data Path : I:\Pest21\data\2020\21200307a\
Data File : 21200307a-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2020 12:04 pm
Operator : pest21:ht
Sample : l2008618-06,42e,,
Misc : wg1348385,wg1348141,ical16334
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 20:25:51 2020
Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

... .m
Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

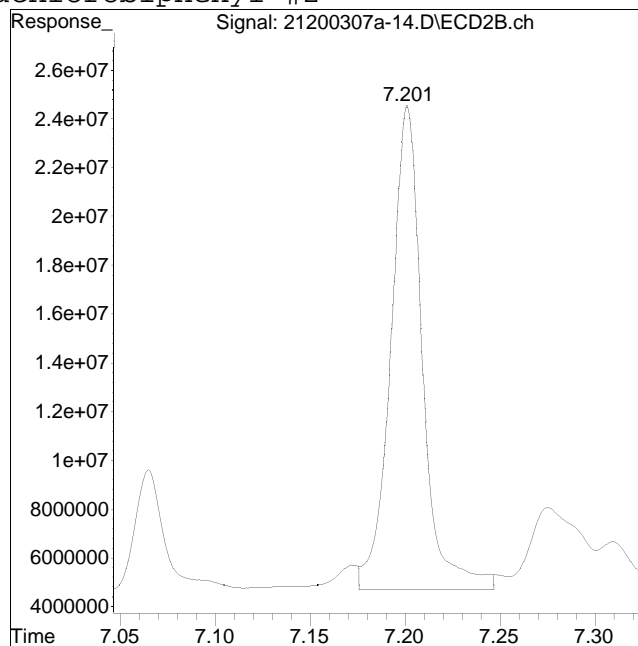
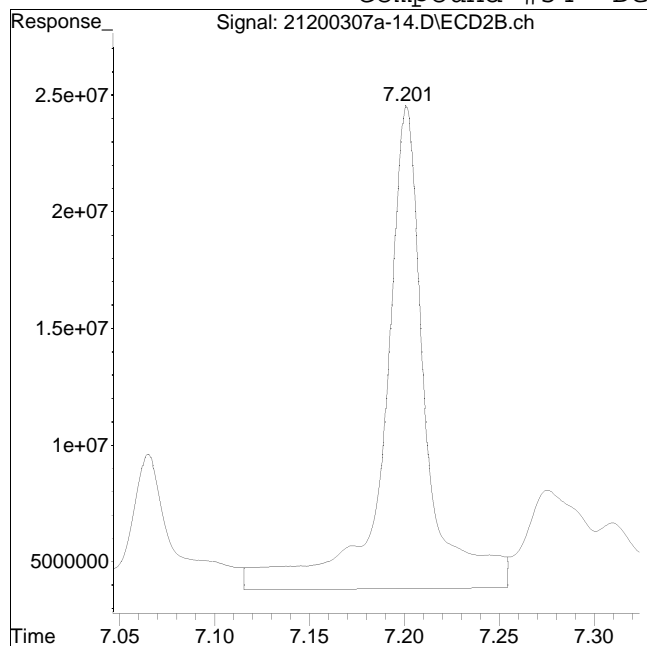
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-14.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:04 pm Instrument : Pest 21
Sample : 12008618-06,42e,, Quant Date : 3/8/2020 6:40 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 313735277

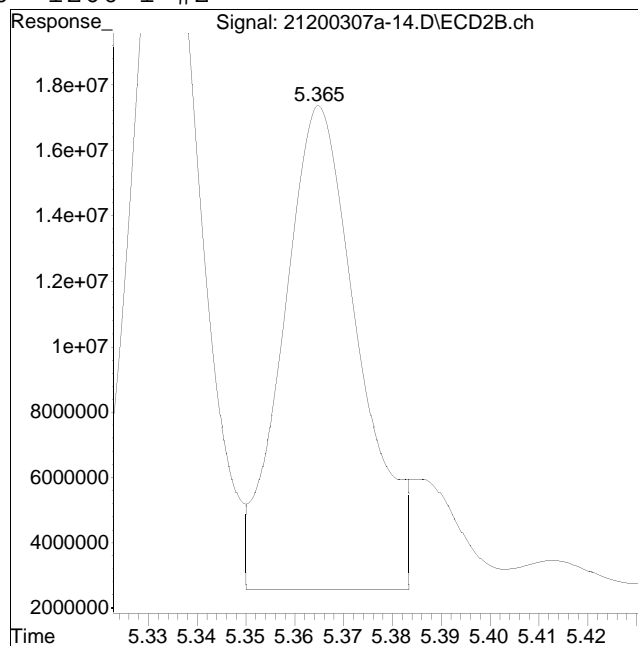
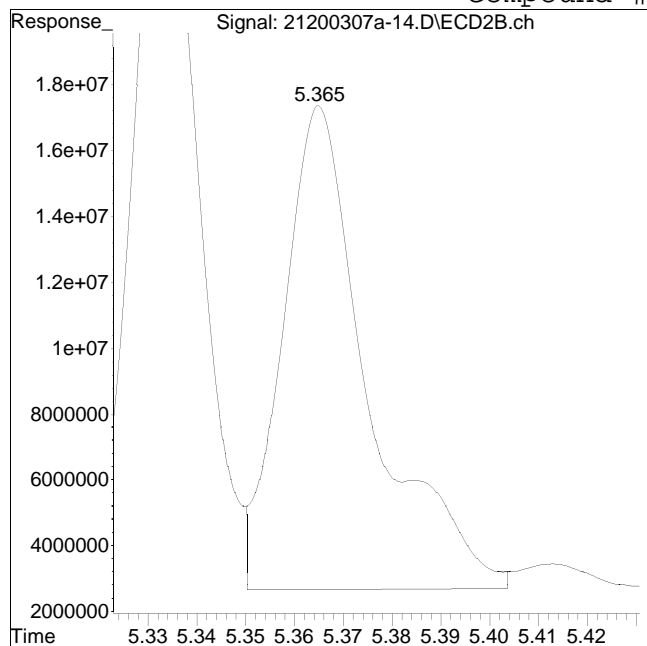
Manual Peak Response = 230382757 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-14.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:04 pm Instrument : Pest 21
Sample : 12008618-06,42e,, Quant Date : 3/8/2020 6:40 pm

Compound #60: 1260-1 #2



Original Peak Response = 180193023

Manual Peak Response = 160192623 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:15 pm
 Operator : pest21:ht
 Sample : l2008618-07,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:26:53 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.088	2.198	146.0E6	285.1E6	250.000	250.000
Standard Area 1 : #1 = 147894389					Recovery =	98.75%
Standard Area 1 : #2 = 287723858					Recovery =	99.08%
14) i 2154_1br2nb	2.088	2.198	146.0E6	285.1E6	250.000	250.000
23) i 4268_1br2nb	2.088	2.198	146.0E6	285.1E6	250.000	250.000
34) i 1248_1br2nb	2.088	2.198	146.0E6	285.1E6	250.000	250.000
40) i 3262_1br2nb	2.088	2.198	146.0E6	285.1E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.575	2.832	166.8E6	296.3E6	274.695	249.839M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		54.94%	49.97%
3) s Decachlorobi	6.584	7.199	93845070	165.9E6	188.679	203.679M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		37.74%	40.74%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.785	5.364	97403403	178.0E6	3085.376	2925.594
10) l2 1260-2	4.990	5.509	203.7E6	269.0E6	4360.734	3763.295
11) l2 1260-3	5.453	6.032	102.9E6	204.7E6	3504.516	3608.758
12) l2 1260-4	5.667	6.194	256.3E6	404.2E6	4115.803	3442.004
13) l2 1260-5	5.863	6.442	204.9E6	324.4E6	4605.489	4081.041
Sum 1260-1			865.3E6	1380.3E6	19671.918	17820.693
Average 1260-1					3934.384	3564.139

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:15 pm
 Operator : pest21:ht
 Sample : l2008618-07,42e,,
 Misc : wgl1348385,wgl1348141,ical16334
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:26:53 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:15 pm
 Operator : pest21:ht
 Sample : l2008618-07,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:26:53 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:15 pm
 Operator : pest21:ht
 Sample : l2008618-07,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:26:53 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

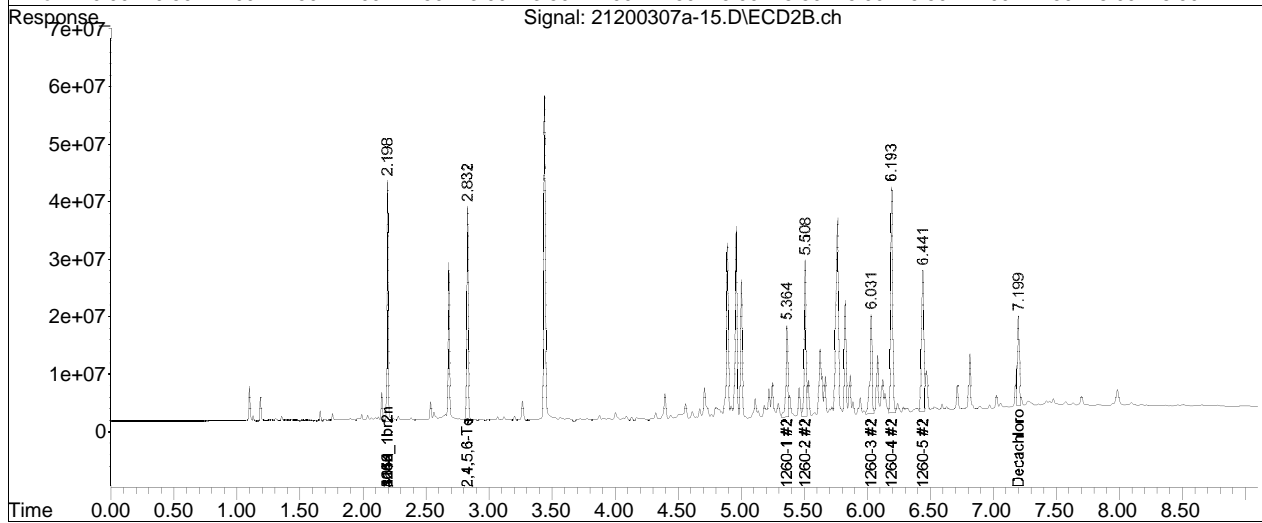
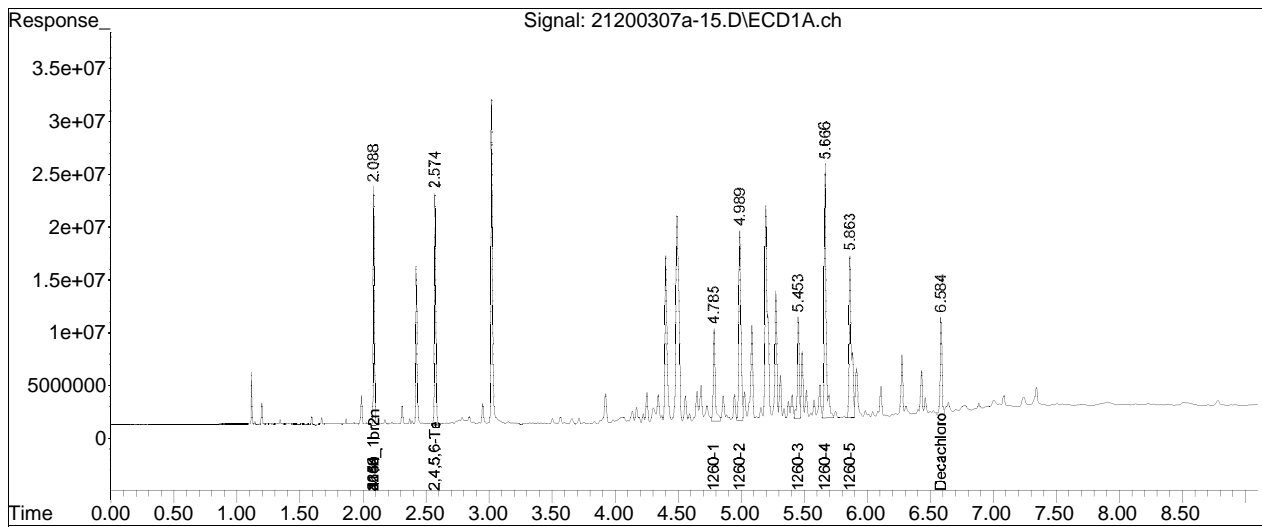
Sub List : Default - All compounds listed07a\21200307a-02.D**

Data Path : I:\Pest21\data\2020\21200307a\
Data File : 21200307a-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2020 12:15 pm
Operator : pest21:ht
Sample : l2008618-07,42e,,
Misc : wg1348385,wg1348141,ical16334
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 20:26:53 2020
Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

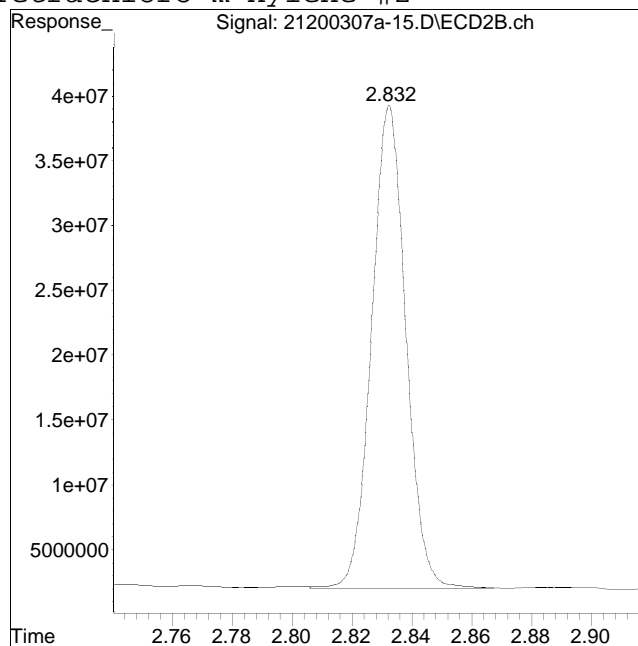
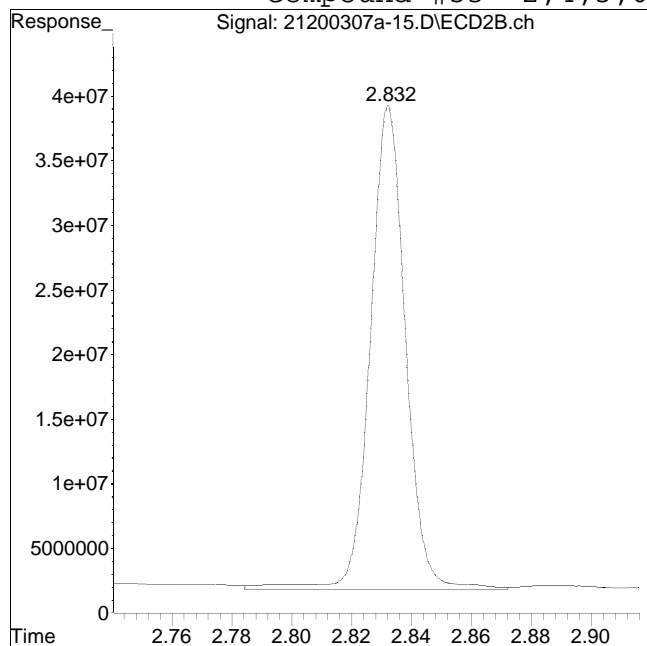
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-15.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:15 pm Instrument : Pest 21
Sample : 12008618-07,42e,, Quant Date : 3/8/2020 6:40 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 309398310

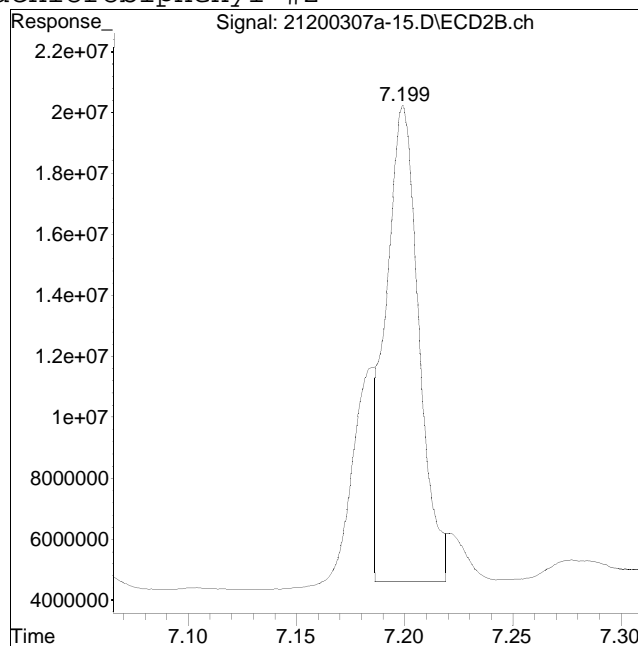
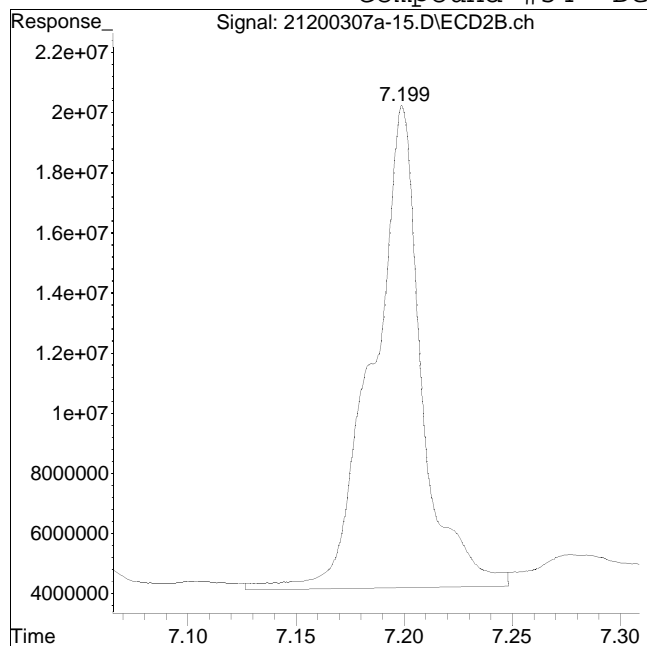
Manual Peak Response = 296322040 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-15.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:15 pm Instrument : Pest 21
Sample : 12008618-07,42e,, Quant Date : 3/8/2020 6:40 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 251309882

Manual Peak Response = 165924088 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:27 pm
 Operator : pest21:ht
 Sample : l2008618-08,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:27:35 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.089	2.198	142.6E6	279.3E6	250.000	250.000
Standard Area 1 : #1 = 147894389					Recovery =	96.44%
Standard Area 1 : #2 = 287723858					Recovery =	97.09%
14) i 2154_1br2nb	2.089	2.198	142.6E6	279.3E6	250.000	250.000
23) i 4268_1br2nb	2.089	2.198	142.6E6	279.3E6	250.000	250.000
34) i 1248_1br2nb	2.089	2.198	142.6E6	279.3E6	250.000	250.000
40) i 3262_1br2nb	2.089	2.198	142.6E6	279.3E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.575	2.832	174.8E6	345.8E6	294.791	297.539
Spiked Amount 500.000	Range 30 - 150				Recovery =	58.96%
3) s Decachlorobi	6.584	7.199	95795267	161.8E6	197.213	202.753M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	39.44%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.785	5.364	10071449	21174714	326.668	355.135
10) l2 1260-2	4.990	5.509	17550457	23019436	384.658	328.705
11) l2 1260-3	5.454	6.032	18803015	17844523	655.430	321.078
12) l2 1260-4	5.666	6.194	24507310	44714094	402.941	388.542
13) l2 1260-5	5.863	6.442	17678065	27339120	406.771	350.983
Sum 1260-1			88610295	134.1E6	2176.468	1744.444
Average 1260-1					435.294	348.889

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:27 pm
 Operator : pest21:ht
 Sample : l2008618-08,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:27:35 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:27 pm
 Operator : pest21:ht
 Sample : l2008618-08,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:27:35 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-16.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:27 pm
 Operator : pest21:ht
 Sample : 12008618-08,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:27:35 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

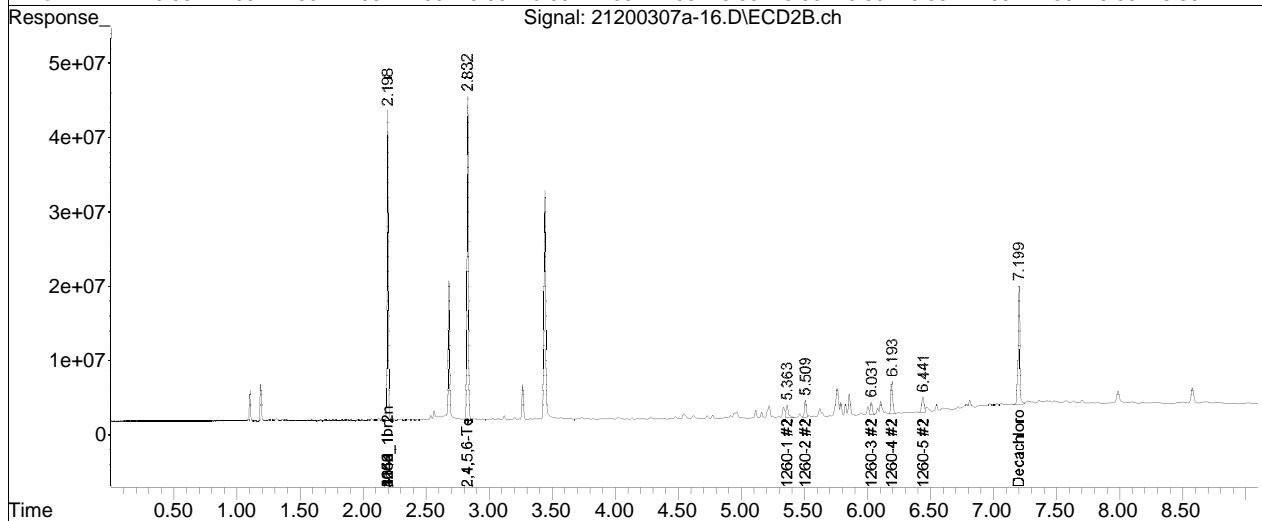
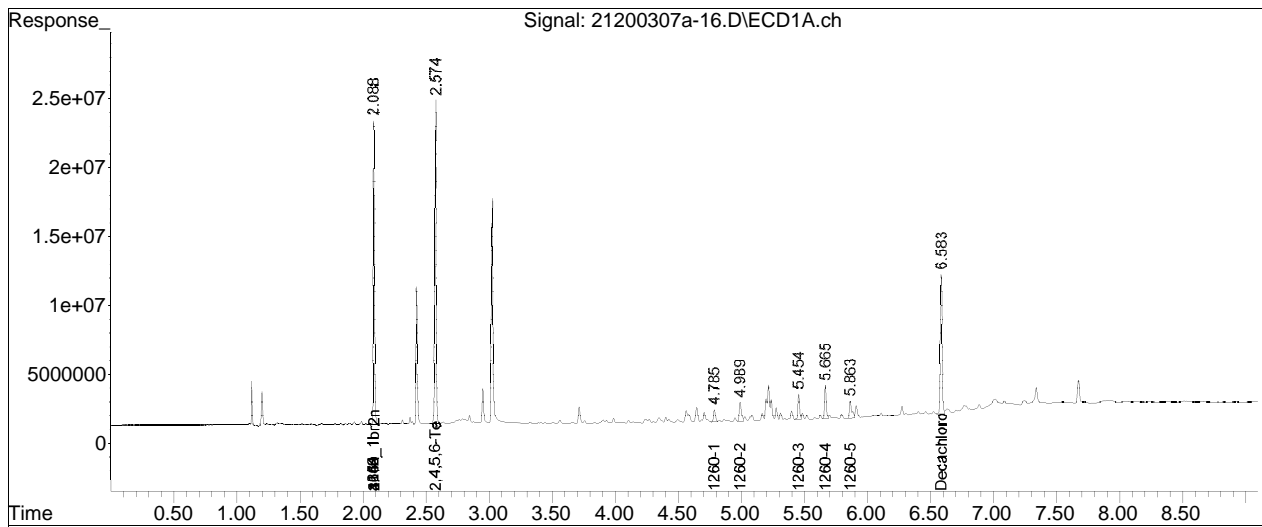
Sub List : Default - All compounds listed07a\21200307a-02.D**

Data Path : I:\Pest21\data\2020\21200307a\
Data File : 21200307a-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2020 12:27 pm
Operator : pest21:ht
Sample : l2008618-08,42e,,
Misc : wg1348385,wg1348141,ical16334
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 20:27:35 2020
Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

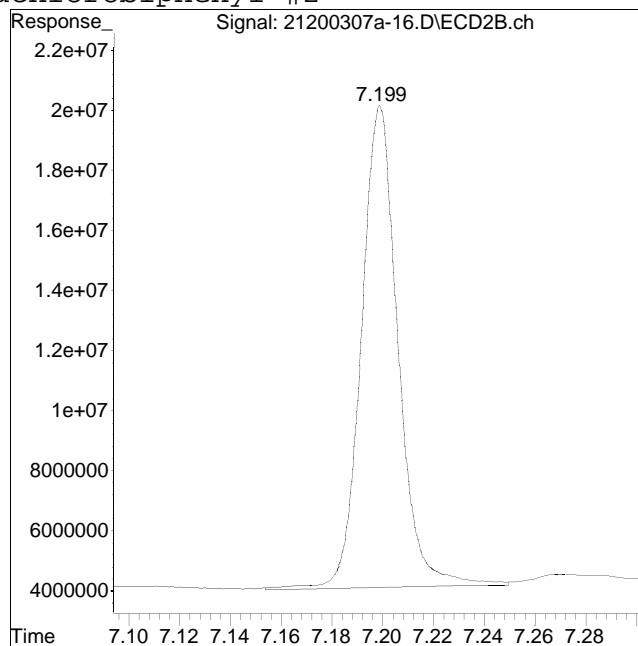
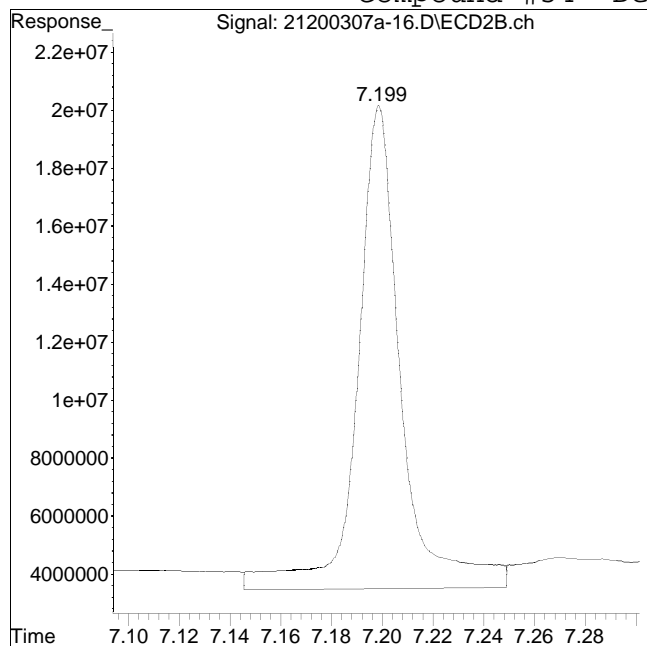
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-16.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:27 pm Instrument : Pest 21
Sample : 12008618-08,42e,, Quant Date : 3/8/2020 6:40 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 199659824

Manual Peak Response = 161849438 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:39 pm
 Operator : pest21:ht
 Sample : l2008618-09,42e,,
 Misc : wgl1348385,wgl1348141,ical16334
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:30:04 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.089	2.198	144.7E6	280.8E6	250.000	250.000
Standard Area 1 : #1 = 147894389					Recovery =	97.81%
Standard Area 1 : #2 = 287723858					Recovery =	97.58%
14) i 2154_1br2nb	2.089	2.198	144.7E6	280.8E6	250.000	250.000
23) i 4268_1br2nb	2.089	2.198	144.7E6	280.8E6	250.000	250.000
34) i 1248_1br2nb	2.089	2.198	144.7E6	280.8E6	250.000	250.000
40) i 3262_1br2nb	2.089	2.198	144.7E6	280.8E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.575	2.833	168.5E6	314.6E6	280.239	269.294
Spiked Amount 500.000	Range 30 - 150		Recovery =		56.05%	53.86%
3) s Decachlorobi	6.585	7.201	113.1E6	185.8E6	229.573	231.608M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		45.91%	46.32%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.786	5.365	60263963	122.4E6	1927.253M4	2042.710
10) l2 1260-2	4.989	5.510	102.1E6	156.2E6	2205.882M4	2219.897
11) l2 1260-3	5.454	6.032	58300926	121.3E6	2003.739	2170.733
12) l2 1260-4	5.668	6.195	171.7E6	275.2E6	2783.970	2379.556
13) l2 1260-5	5.864	6.442	120.2E6	197.4E6	2726.475	2521.222
Sum 1260-1			512.6E6	872.5E6	11647.320	11334.118
Average 1260-1					2329.464	2266.824

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:39 pm
 Operator : pest21:ht
 Sample : l2008618-09,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:30:04 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:39 pm
 Operator : pest21:ht
 Sample : l2008618-09,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:30:04 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-17.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:39 pm
 Operator : pest21:ht
 Sample : l2008618-09,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:30:04 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

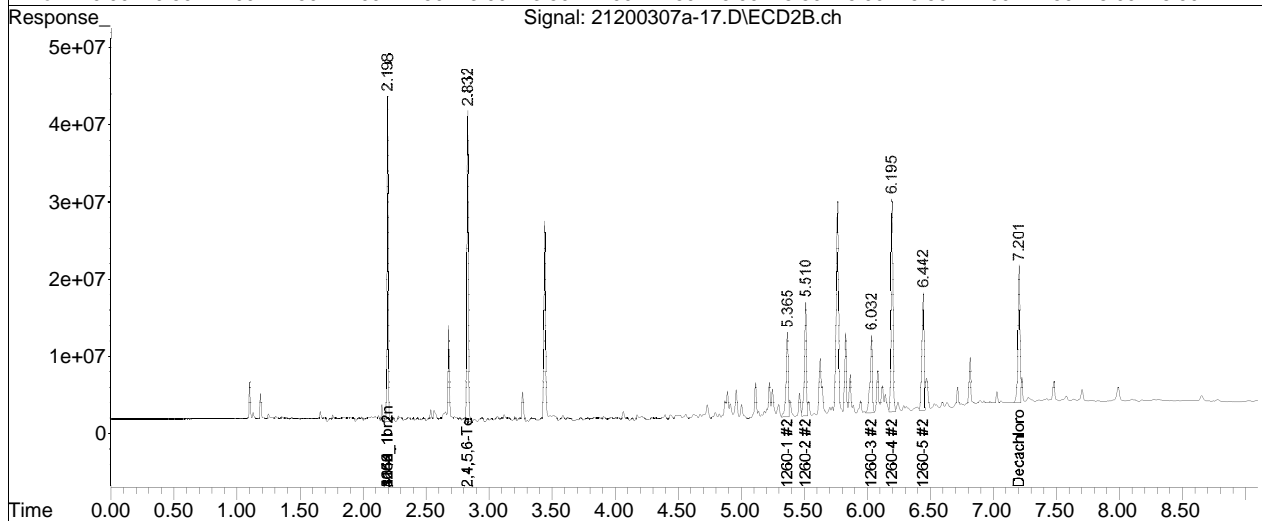
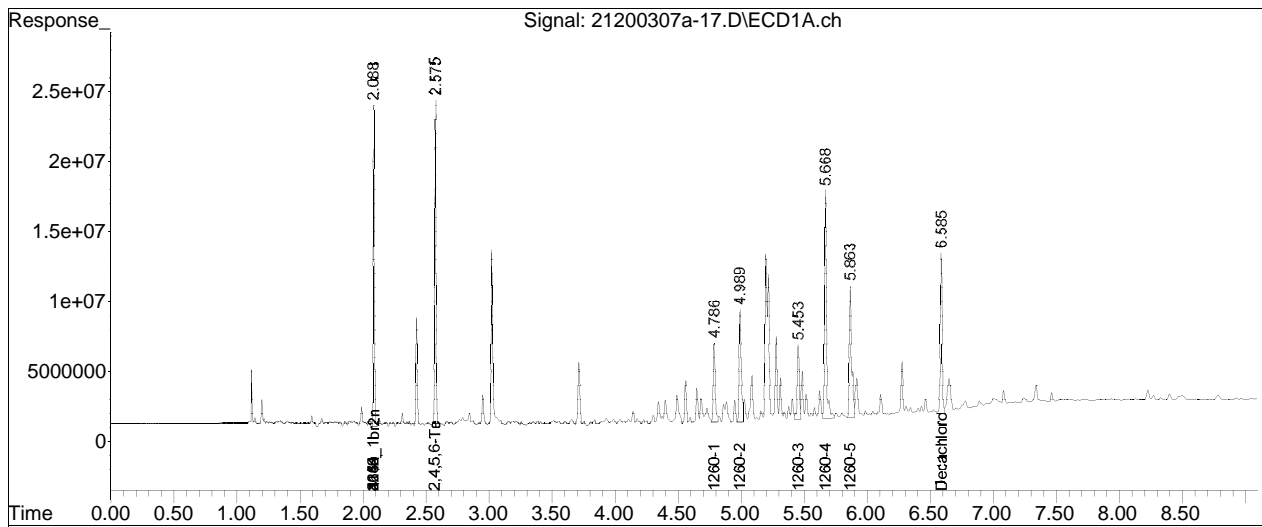
Sub List : Default - All compounds listed07a\21200307a-02.D**

Data Path : I:\Pest21\data\2020\21200307a\
Data File : 21200307a-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2020 12:39 pm
Operator : pest21:ht
Sample : 12008618-09,42e,,
Misc : wg1348385,wg1348141,ical16334
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 20:30:04 2020
Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334
... .m

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

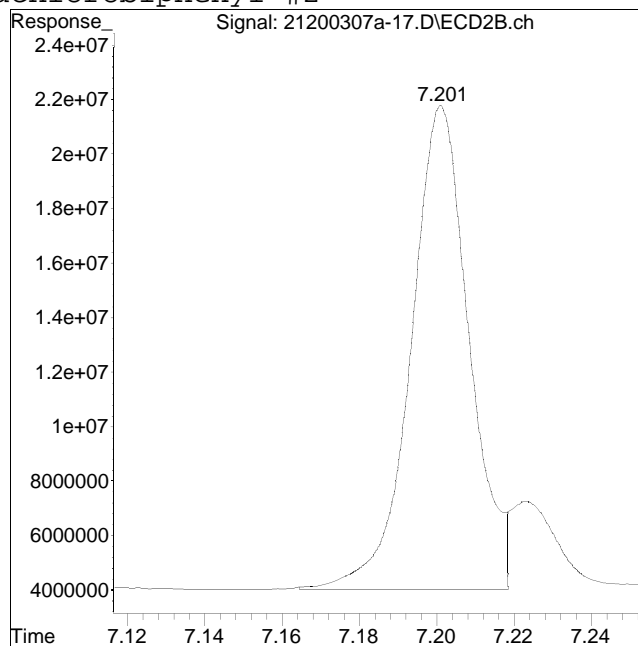
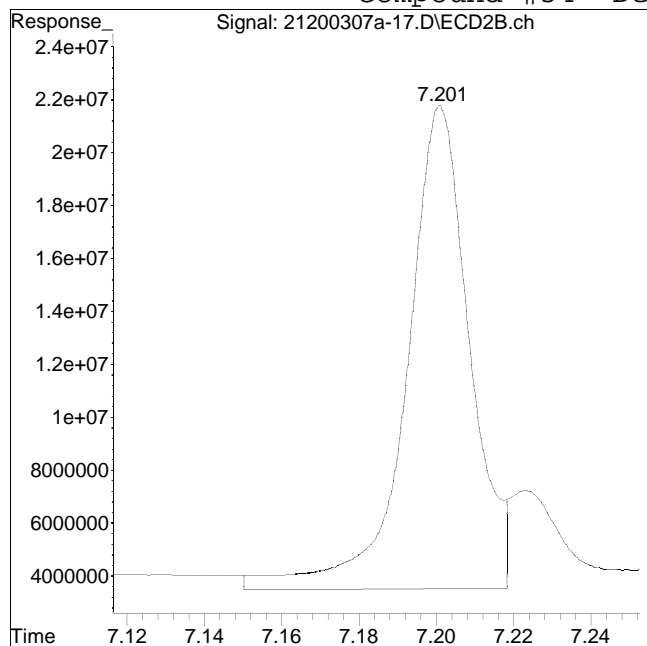
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-17.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:39 pm Instrument : Pest 21
Sample : 12008618-09,42e,, Quant Date : 3/8/2020 6:41 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 206231235

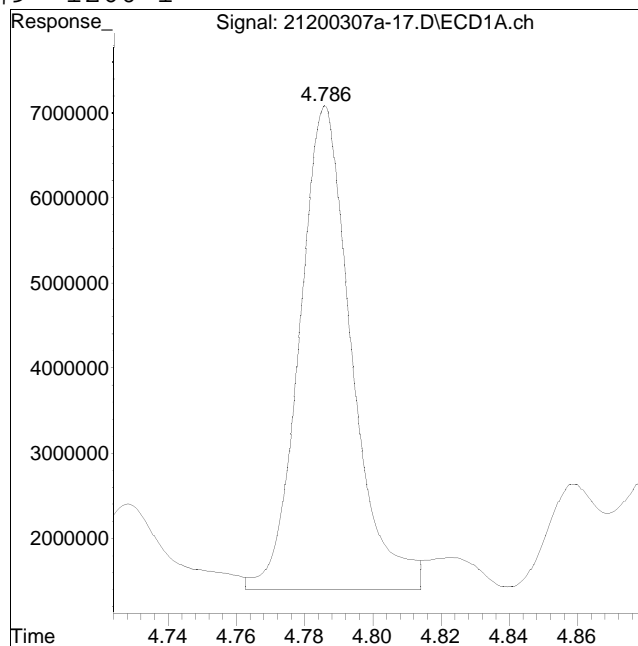
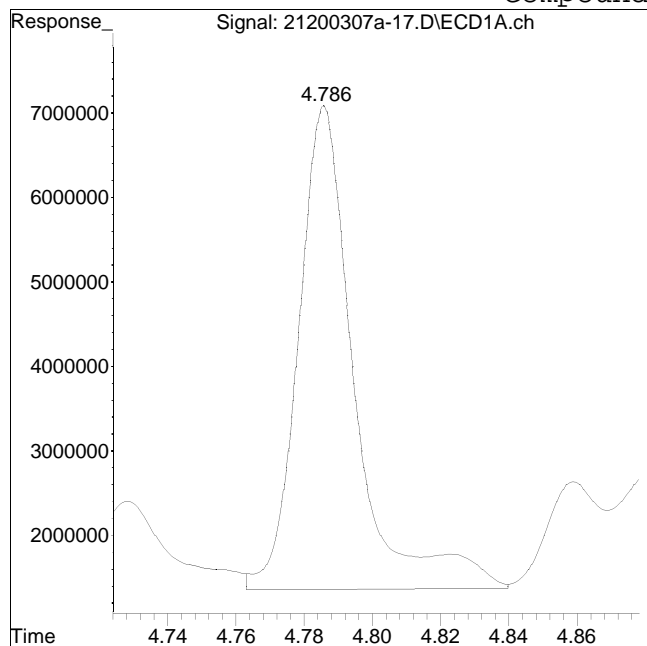
Manual Peak Response = 185821303 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-17.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:39 pm Instrument : Pest 21
Sample : 12008618-09,42e,, Quant Date : 3/8/2020 6:41 pm

Compound #9: 1260-1



Original Peak Response = 65859638

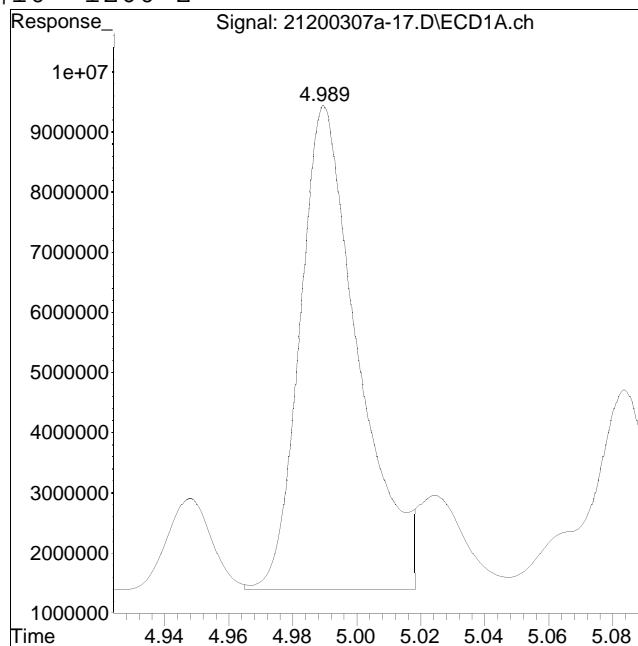
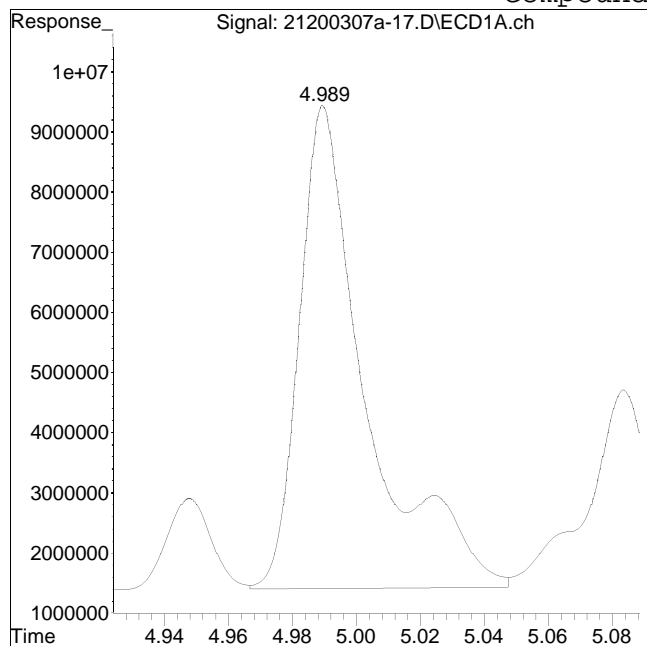
Manual Peak Response = 60263963 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-17.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:39 pm Instrument : Pest 21
Sample : 12008618-09,42e,, Quant Date : 3/8/2020 6:41 pm

Compound #10: 1260-2



Original Peak Response = 116592040

Manual Peak Response = 102077365 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:51 pm
 Operator : pest21:ht
 Sample : l2008618-10,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:35:57 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.089	2.198	143.3E6	278.8E6	250.000	250.000
Standard Area 1 : #1 = 147894389					Recovery =	96.92%
Standard Area 1 : #2 = 287723858					Recovery =	96.89%
14) i 2154_1br2nb	2.089	2.198	143.3E6	278.8E6	250.000	250.000
23) i 4268_1br2nb	2.089	2.198	143.3E6	278.8E6	250.000	250.000
34) i 1248_1br2nb	2.089	2.198	143.3E6	278.8E6	250.000	250.000
40) i 3262_1br2nb	2.089	2.198	143.3E6	278.8E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.576	2.833	120.7E6	233.3E6	202.564	201.114
Spiked Amount 500.000	Range 30 - 150		Recovery =		40.51%	40.22%
3) s Decachlorobi	6.586	7.202	97592593	172.4E6	199.927	216.384M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		39.99%	43.28%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	5.455	6.027	31716255	49780918	1100.126	897.529M4
12) l2 1260-4	5.670	6.197	88389181	154.2E6	1446.127	1342.245
13) l2 1260-5	5.865	6.444	64423586	113.6E6	1475.099	1461.708
Sum 1260-1			184.5E6	317.6E6	4021.352	3701.482
Average 1260-1					1340.451	1233.827

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:51 pm
 Operator : pest21:ht
 Sample : l2008618-10,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:35:57 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	4.345f	4.876	316.1E6	386.7E6	7910.569M4	6602.771
20) 14 1254-3	4.651f	5.226	294.1E6	571.1E6	6868.819M4	7232.979
21) 14 1254-4	4.993f	5.389	248.4E6	284.6E6	8134.832M4	5079.215
22) 14 1254-5	5.198f	5.766	402.4E6	739.3E6	9828.122M4	9626.596
Sum 1254-1			1261.0E6	1981.7E6	32742.342	28541.560
Average 1254-1					8185.585	7135.390
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:51 pm
 Operator : pest21:ht
 Sample : l2008618-10,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:35:57 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-18.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 12:51 pm
 Operator : pest21:ht
 Sample : l2008618-10,42e,,
 Misc : wgl348385,wgl348141,ical16334
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:35:57 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

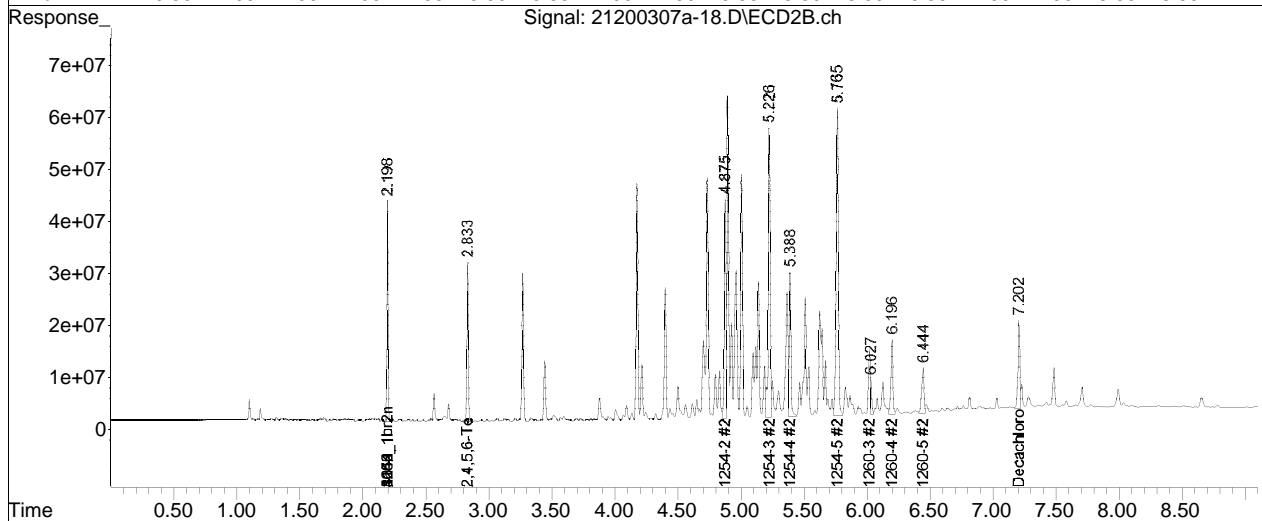
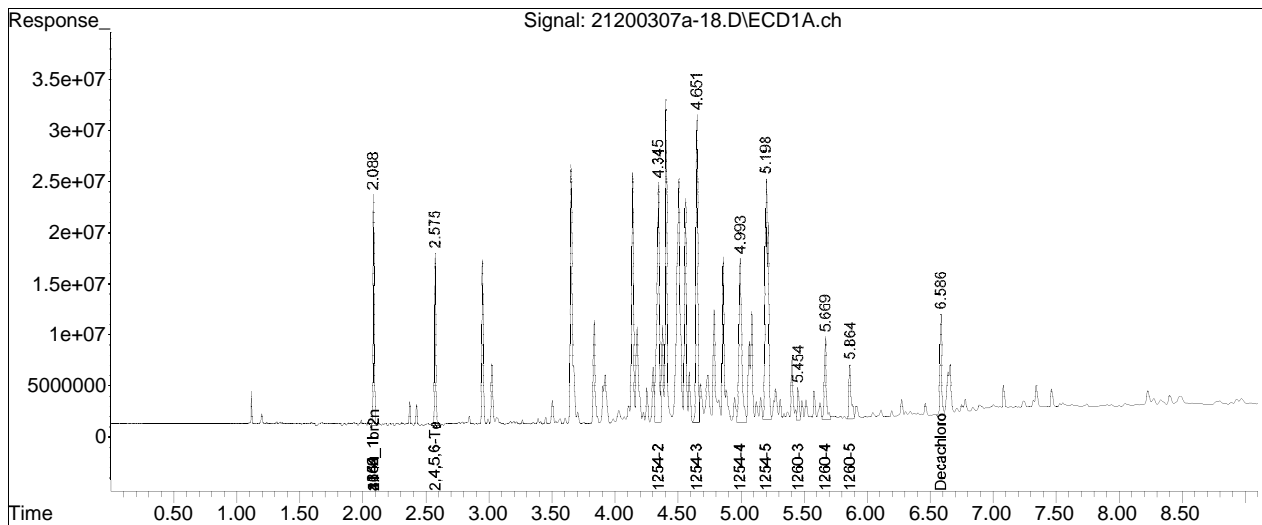
Sub List : Default - All compounds listed07a\21200307a-02.D**

Data Path : I:\Pest21\data\2020\21200307a\
Data File : 21200307a-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2020 12:51 pm
Operator : pest21:ht
Sample : l2008618-10,42e,,
Misc : wg1348385,wg1348141,ical16334
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 20:35:57 2020
Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

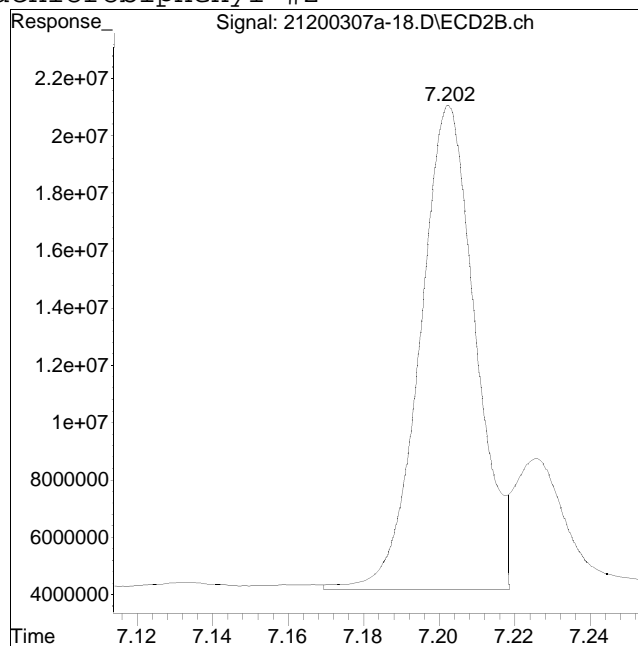
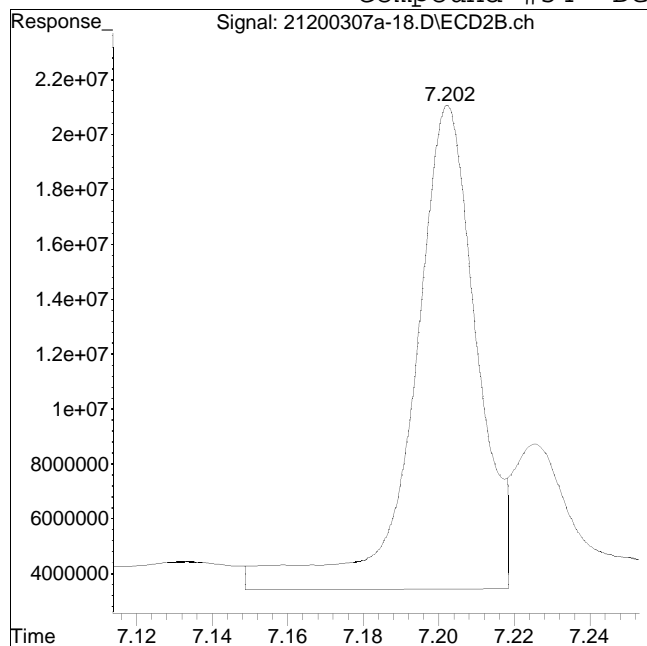
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-18.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:51 pm Instrument : Pest 21
Sample : 12008618-10,42e,, Quant Date : 3/8/2020 6:41 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 204114690

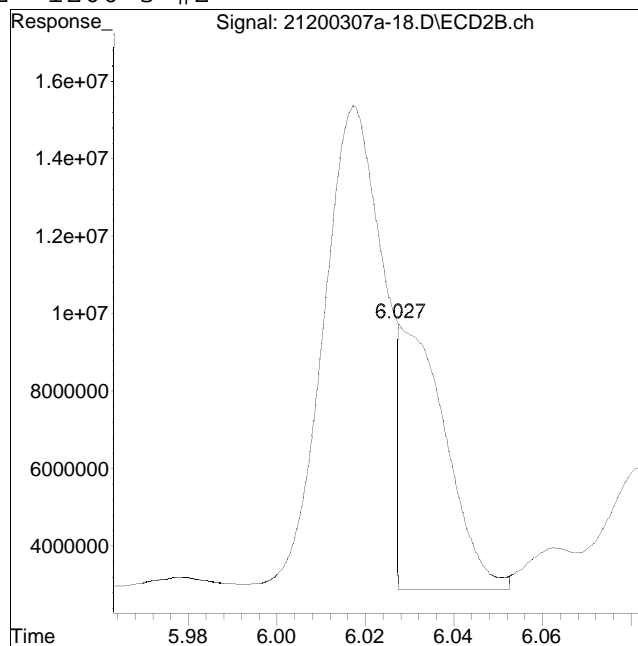
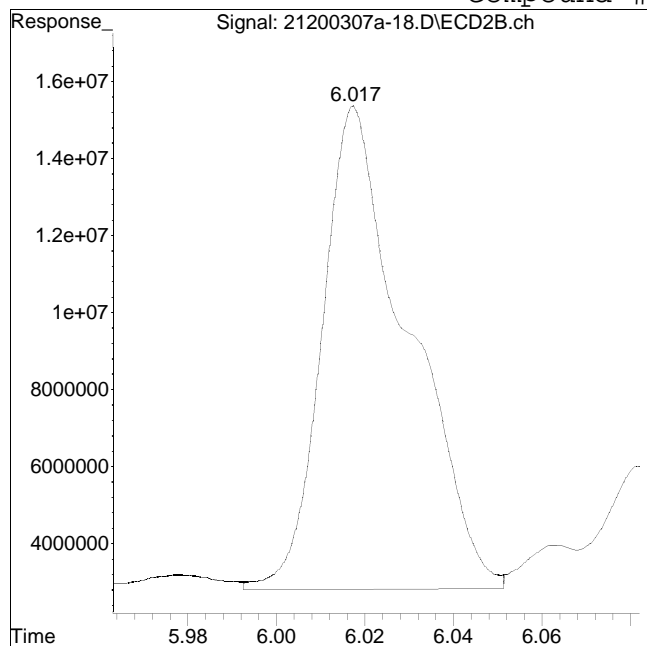
Manual Peak Response = 172381040 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-18.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:51 pm Instrument : Pest 21
Sample : 12008618-10,42e,, Quant Date : 3/8/2020 6:41 pm

Compound #62: 1260-3 #2



Original Peak Response = 169283596

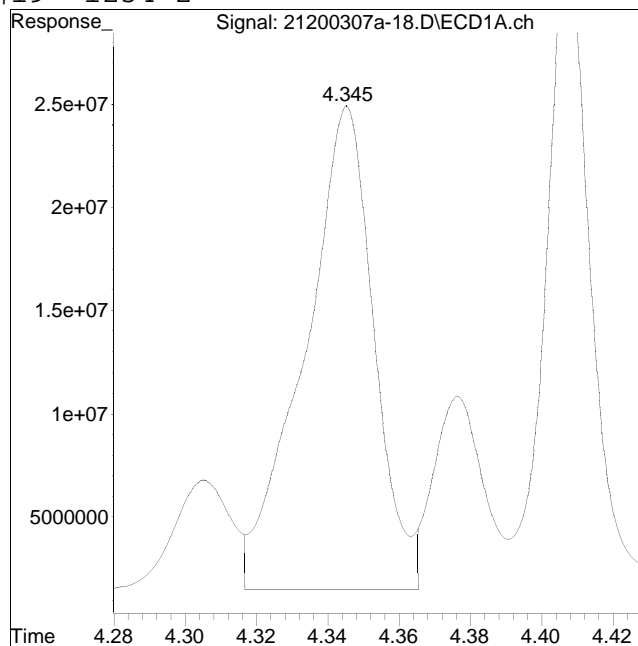
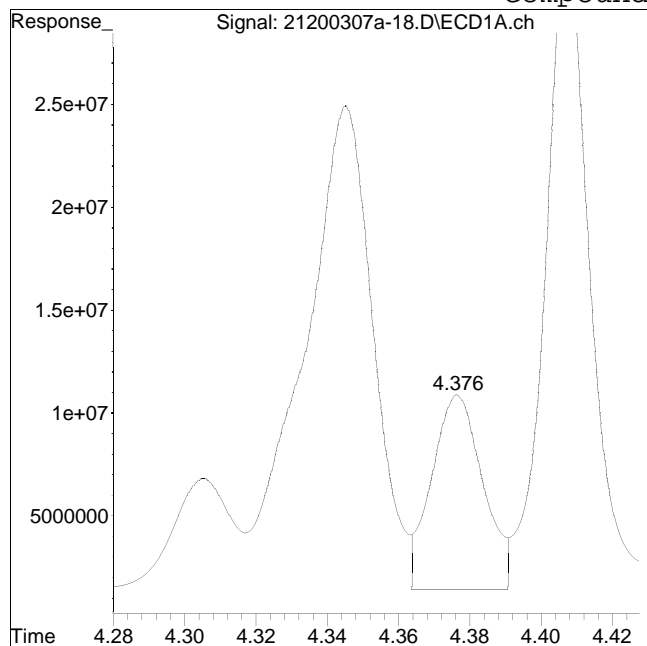
Manual Peak Response = 49780918 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-18.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:51 pm Instrument : Pest 21
Sample : 12008618-10,42e,, Quant Date : 3/8/2020 6:41 pm

Compound #19: 1254-2



Original Peak Response = 94556810

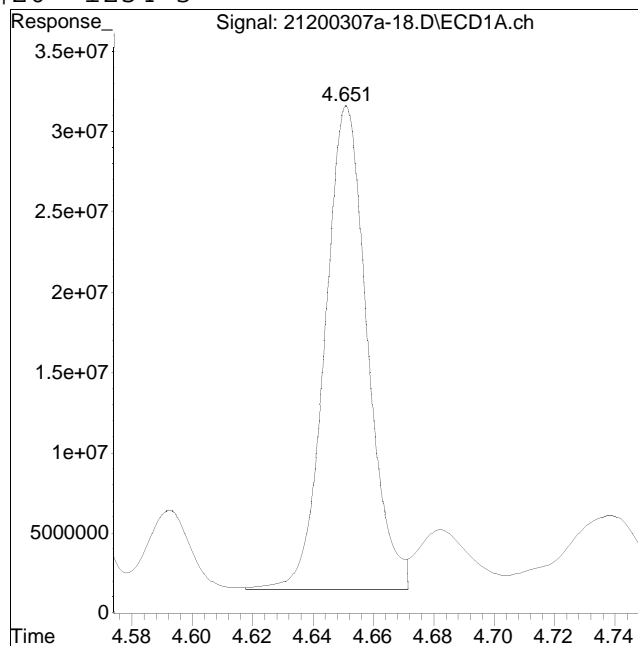
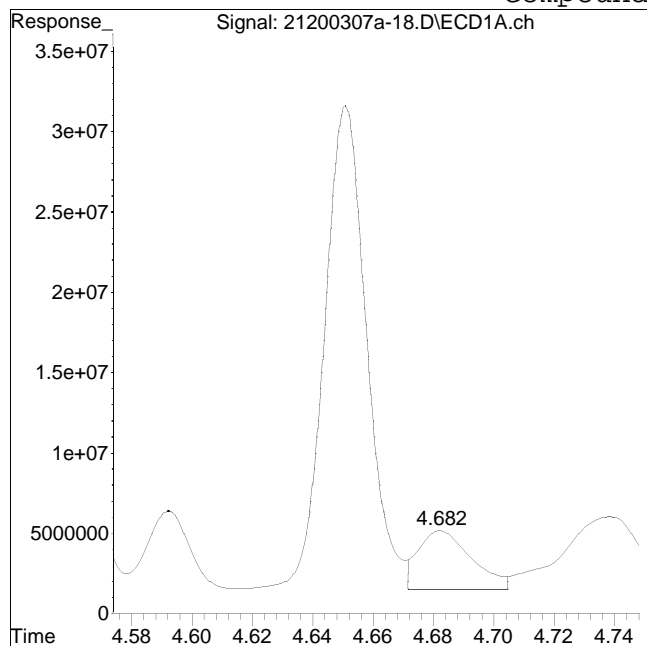
Manual Peak Response = 316126741 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-18.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:51 pm Instrument : Pest 21
Sample : 12008618-10,42e,, Quant Date : 3/8/2020 6:41 pm

Compound #20: 1254-3



Original Peak Response = 45867924

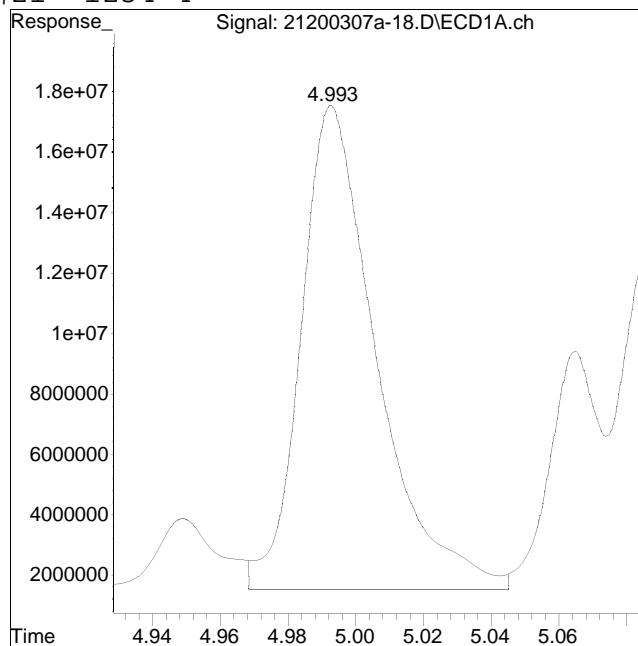
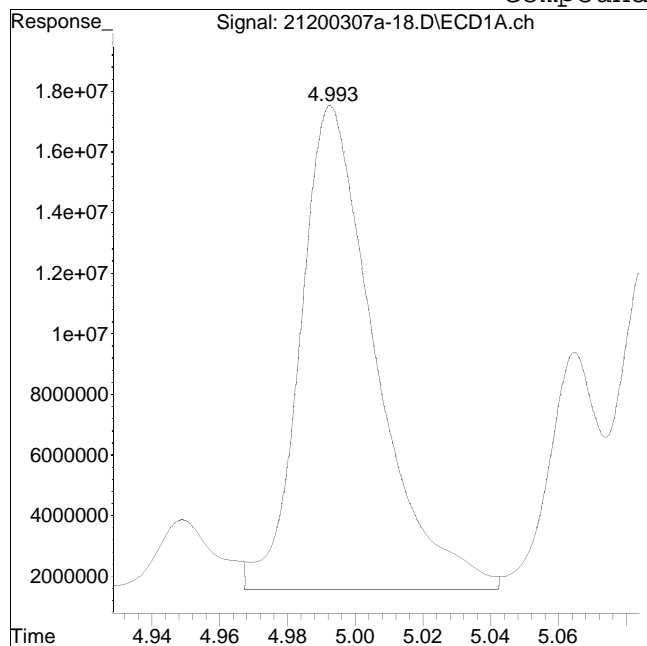
Manual Peak Response = 294114279 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-18.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:51 pm Instrument : Pest 21
Sample : 12008618-10,42e,, Quant Date : 3/8/2020 6:41 pm

Compound #21: 1254-4



Original Peak Response = 245339781

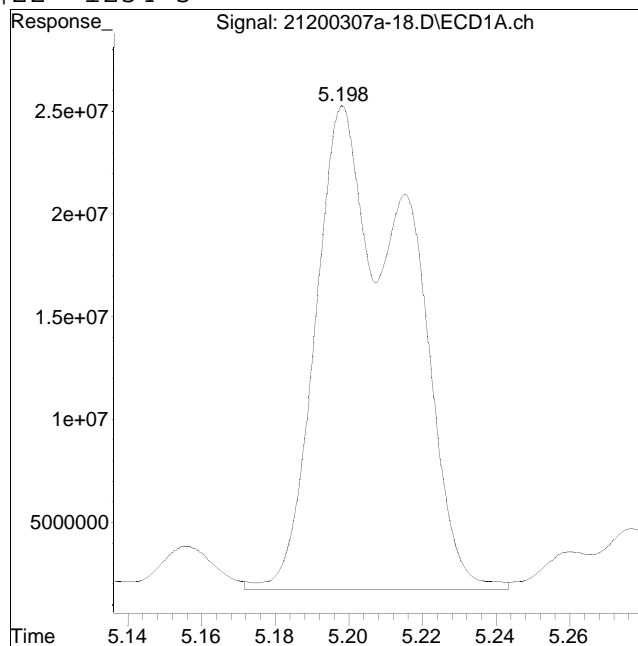
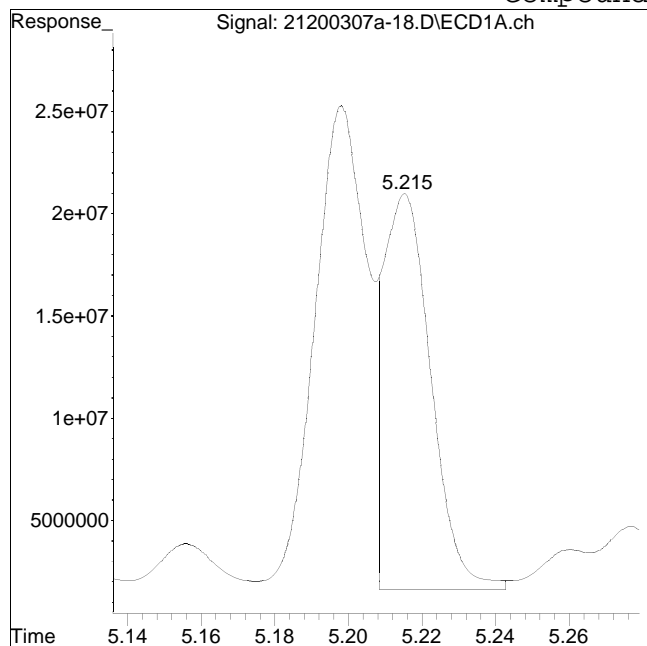
Manual Peak Response = 248420400 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-18.D Operator : pest21:ht
Date Inj'd : 3/7/2020 12:51 pm Instrument : Pest 21
Sample : 12008618-10,42e,, Quant Date : 3/8/2020 6:41 pm

Compound #22: 1254-5



Original Peak Response = 173460609

Manual Peak Response = 402380369 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200308a\
 Data File : 21200308a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Mar 2020 10:45 pm
 Operator : pest21:ht
 Sample : l2008618-04d,42e,5,
 Misc : wgl348590,wgl348141,ical16334
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 21:21:09 2020
 Quant Method : I:\Pest21\data\2020\21200308a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200308a\21200308a-03.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.089	2.199	195.7E6	363.7E6	250.000	250.000
Standard Area 1 : #1 = 151681948					Recovery =	129.00%
Standard Area 1 : #2 = 290826219					Recovery =	125.06%
14) i 2154_1br2nb	2.089	2.199	195.7E6	363.7E6	250.000	250.000
23) i 4268_1br2nb	2.089	2.199	195.7E6	363.7E6	250.000	250.000
34) i 1248_1br2nb	2.089	2.199	195.7E6	363.7E6	250.000	250.000
40) i 3262_1br2nb	2.089	2.199	195.7E6	363.7E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.576	2.834	30808405	58345692	37.880	38.558
Spiked Amount 500.000	Range 30 - 150				Recovery =	7.58%#
7.71%#						
3) s Decachlorobi	6.586	7.203	18046186	75645008	27.081	72.781M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	5.42%#
14.56%#						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.787	5.366	54937413	93557926	1298.902	1205.144
10) l2 1260-2	4.991	5.511	98100749	126.8E6	1567.300	1390.293
11) l2 1260-3	5.454	6.032	69288897	129.2E6	1760.582	1784.980
12) l2 1260-4	5.667	6.194	150.2E6	238.3E6	1800.385	1590.341
13) l2 1260-5	5.864	6.443	108.0E6	171.3E6	1810.914	1689.037
Sum 1260-1			480.5E6	759.1E6	8238.084	7659.796
Average 1260-1					1647.617	1531.959

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200308a\
 Data File : 21200308a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Mar 2020 10:45 pm
 Operator : pest21:ht
 Sample : l2008618-04d,42e,5,
 Misc : wgl348590,wgl348141,ical16334
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 21:21:09 2020
 Quant Method : I:\Pest21\data\2020\21200308a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200308a\21200308a-03.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200308a\
 Data File : 21200308a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Mar 2020 10:45 pm
 Operator : pest21:ht
 Sample : l2008618-04d,42e,5,
 Misc : wgl348590,wgl348141,ical16334
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 21:21:09 2020
 Quant Method : I:\Pest21\data\2020\21200308a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200308a\21200308a-03.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200308a\
 Data File : 21200308a-07.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Mar 2020 10:45 pm
 Operator : pest21:ht
 Sample : l2008618-04d,42e,5,
 Misc : wgl348590,wgl348141,ical16334
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 21:21:09 2020
 Quant Method : I:\Pest21\data\2020\21200308a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200308a\21200308a-03.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

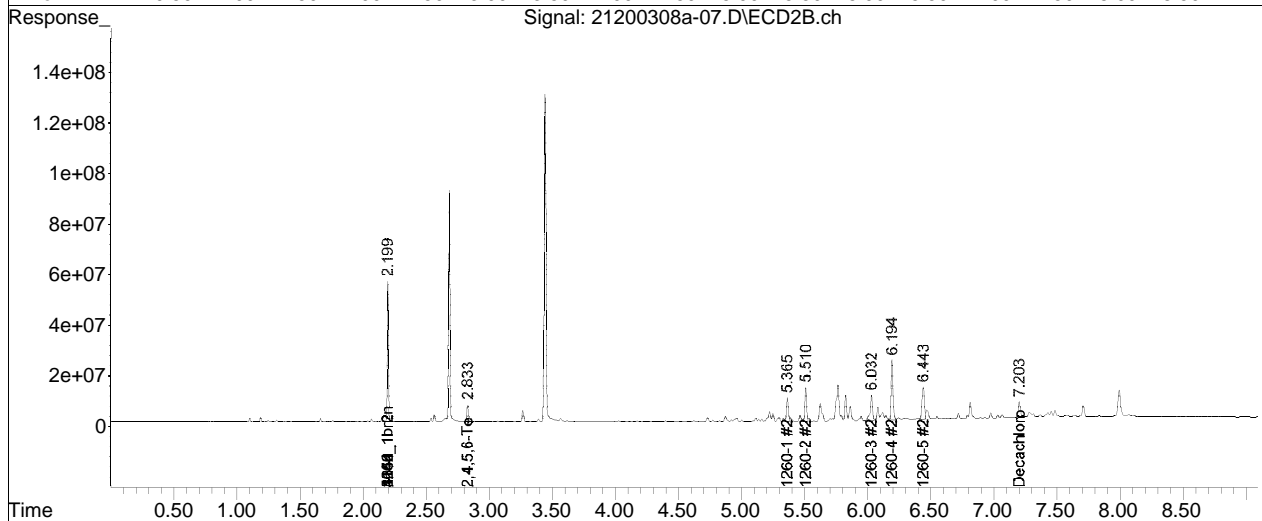
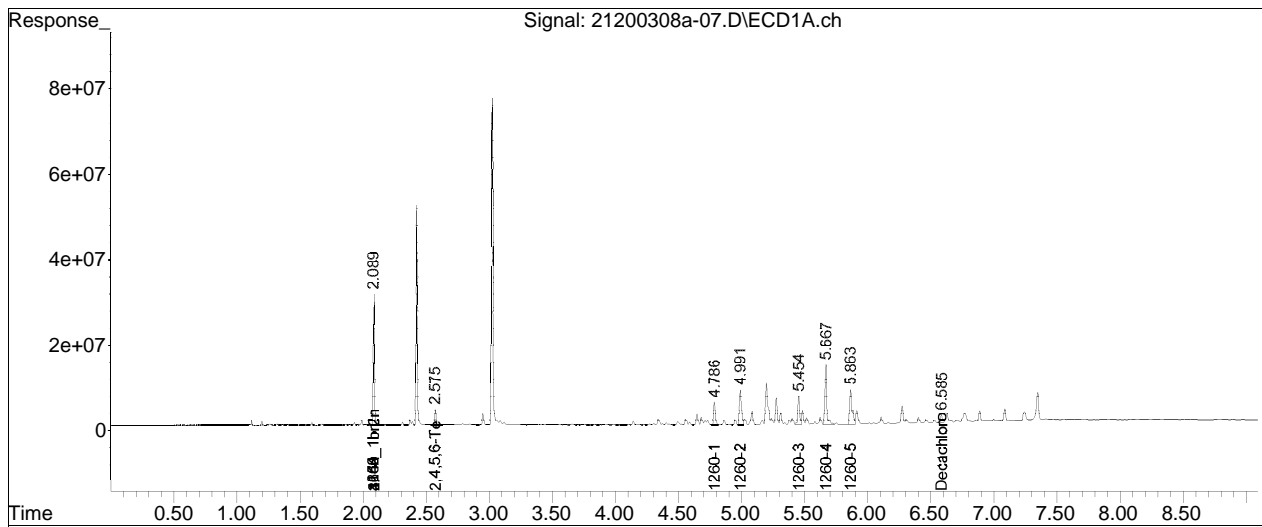
Sub List : Default - All compounds listed08a\21200308a-03.D**

Data Path : I:\Pest21\data\2020\21200308a\
Data File : 21200308a-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Mar 2020 10:45 pm
Operator : pest21:ht
Sample : l2008618-04d,42e,5,
Misc : wg1348590,wg1348141,ical16334
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 21:21:09 2020
Quant Method : I:\Pest21\data\2020\21200308a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

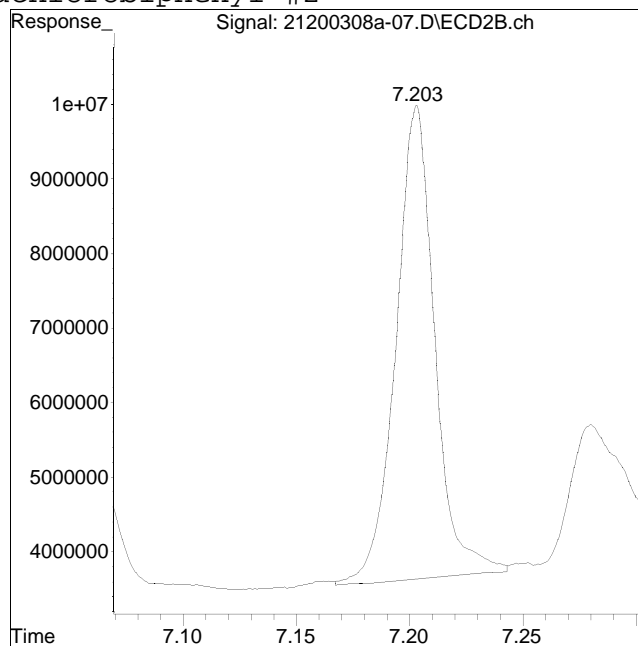
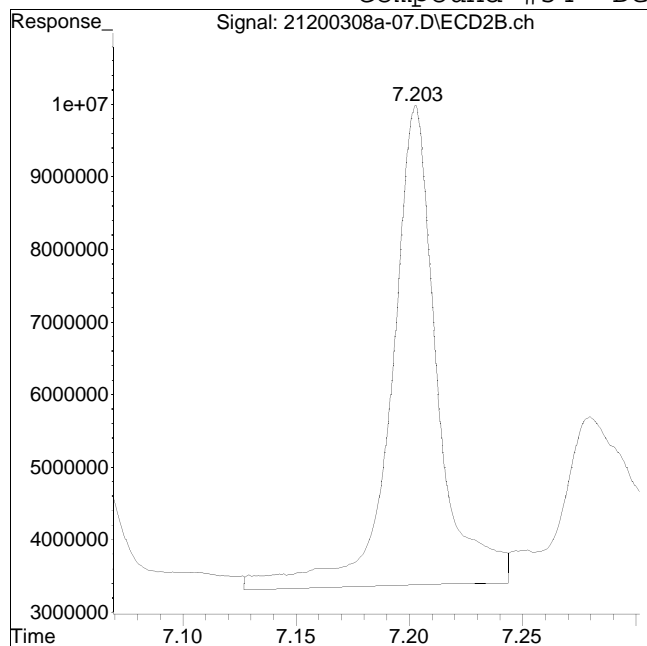
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200308a-07.D Operator : pest21:ht
Date Inj'd : 3/8/2020 10:45 pm Instrument : Pest 21
Sample : 12008618-04d,42e,5, Quant Date : 3/9/2020 4:11 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 92944030

Manual Peak Response = 75645008 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200309a\
 Data File : 21200309a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Mar 2020 06:02 pm
 Operator : pest21:ht
 Sample : l2008618-03d,42e,20,
 Misc : wgl348696,wgl348141,ical16334
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 22:11:13 2020
 Quant Method : I:\Pest21\data\2020\21200309a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200309a\21200309a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.100	2.203	170.2E6	337.7E6	250.000	250.000
Standard Area 1 : #1 = 147827523					Recovery =	115.15%
Standard Area 1 : #2 = 288738070					Recovery =	116.95%
14) i 2154_1br2nb	2.100	2.203	170.2E6	337.7E6	250.000	250.000
23) i 4268_1br2nb	2.100	2.203	170.2E6	337.7E6	250.000	250.000
34) i 1248_1br2nb	2.100	2.203	170.2E6	337.7E6	250.000	250.000
40) i 3262_1br2nb	2.100	2.203	170.2E6	337.7E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.806f	5.371	134.5E6	255.4E6	3656.064	3542.784M4
10) l2 1260-2	5.010f	5.517	252.2E6	401.4E6	4632.415	4741.705
11) l2 1260-3	5.472f	6.046	154.7E6	325.4E6	4518.488	4843.097
12) l2 1260-4	5.686f	6.214f	369.1E6	723.0E6	5084.614	5196.992
13) l2 1260-5	5.885f	6.469f	285.8E6	500.6E6	5510.649	5316.920
Sum 1260-1			1196.4E6	2205.8E6	23402.230	23641.499
Average 1260-1					4680.446	4728.300

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200309a\
 Data File : 21200309a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Mar 2020 06:02 pm
 Operator : pest21:ht
 Sample : l2008618-03d,42e,20,
 Misc : wgl348696,wgl348141,ical16334
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 22:11:13 2020
 Quant Method : I:\Pest21\data\2020\21200309a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200309a\21200309a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200309a\
 Data File : 21200309a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Mar 2020 06:02 pm
 Operator : pest21:ht
 Sample : l2008618-03d,42e,20,
 Misc : wgl1348696,wgl1348141,ical16334
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 22:11:13 2020
 Quant Method : I:\Pest21\data\2020\21200309a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200309a\21200309a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200309a\
 Data File : 21200309a-33.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Mar 2020 06:02 pm
 Operator : pest21:ht
 Sample : l2008618-03d,42e,20,
 Misc : wgl348696,wgl348141,ical16334
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 22:11:13 2020
 Quant Method : I:\Pest21\data\2020\21200309a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200309a\21200309a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

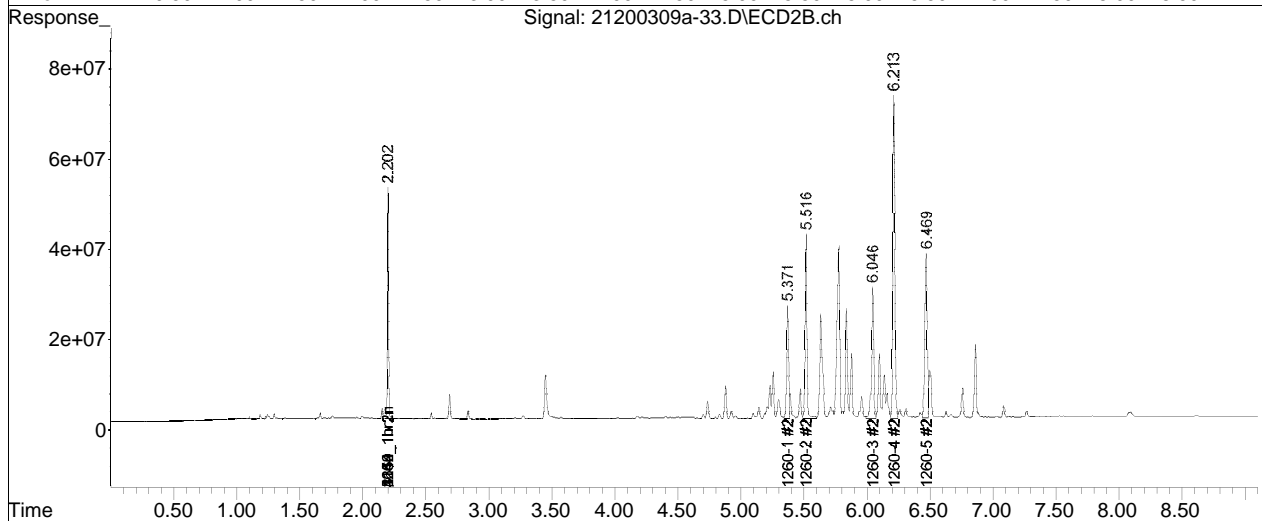
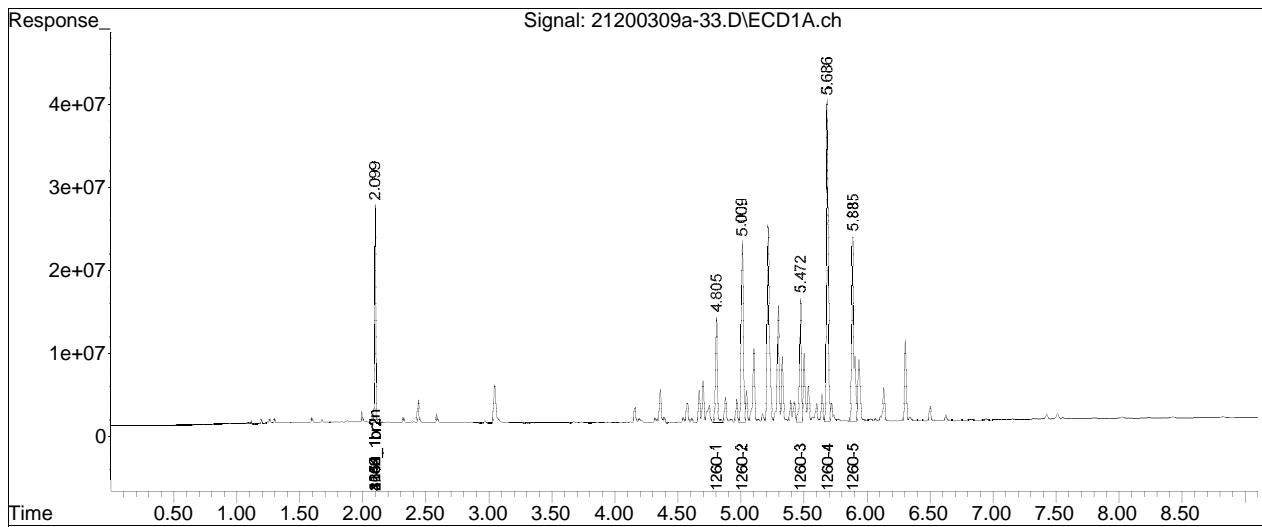
Sub List : Default - All compounds listed09a\21200309a-23.D**

Data Path : I:\Pest21\data\2020\21200309a\
Data File : 21200309a-33.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2020 06:02 pm
Operator : pest21:ht
Sample : l2008618-03d,42e,20,
Misc : wg1348696,wg1348141,ical16334
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 22:11:13 2020
Quant Method : I:\Pest21\data\2020\21200309a\P21_pcb_11_25_19_ugL_ICAL16334
... .m

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

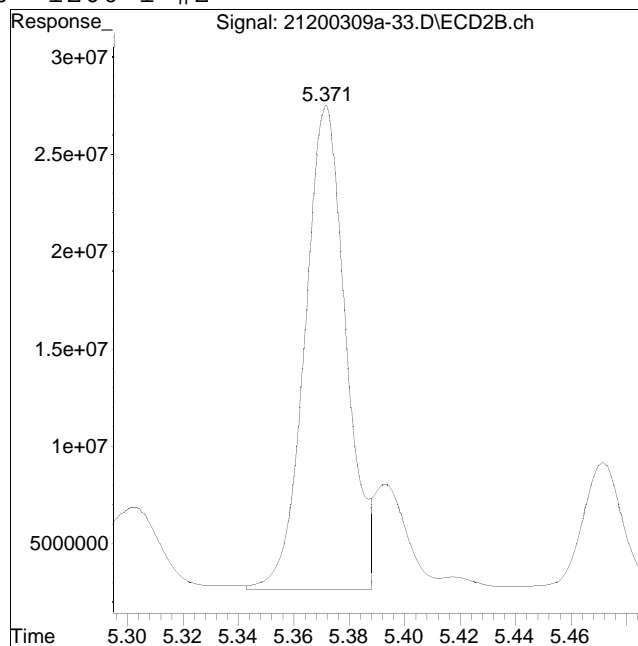
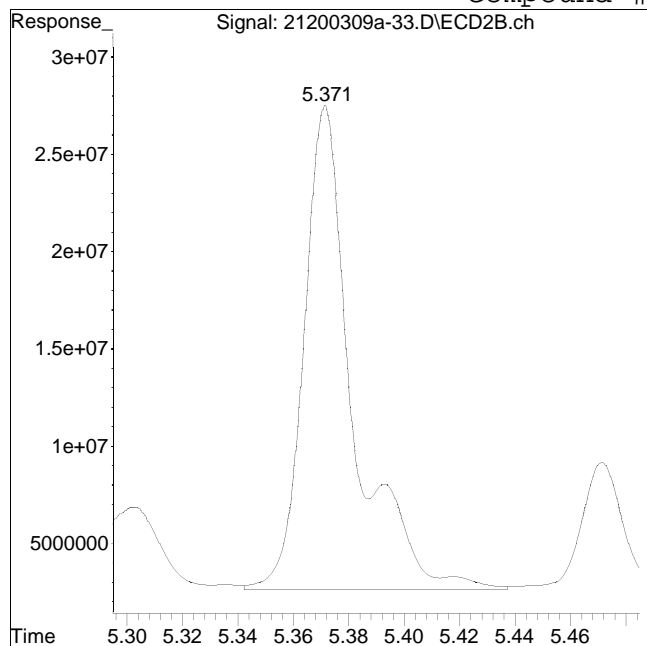
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200309a-33.D Operator : pest21:ht
Date Inj'd : 3/9/2020 6:02 pm Instrument : Pest 21
Sample : 12008618-03d,42e,20, Quant Date : 3/9/2020 7:46 pm

Compound #60: 1260-1 #2



Original Peak Response = 308127759

Manual Peak Response = 255354169 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200302a\
 Data File : 23200302a-05.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Mar 2020 01:54 pm
 Operator : pest23:ht
 Sample : l2008618-02d,42e,100,
 Misc : wgl1346106,wgl1345284,ical16474
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 01:39:49 2020
 Quant Method : I:\Pest23\data\2020\23200302a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:59:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200302a\23200302a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.020	20729365	25315759	250.000	250.000
Standard Area 1 : #1 = 23809752					Recovery =	87.06%
Standard Area 1 : #2 = 28274043					Recovery =	89.54%
14) i 2154_1br2nb	0.924	1.020	20729365	25315759	250.000	250.000
23) i 4268_1br2nb	0.924	1.020	20729365	25315759	250.000	250.000
34) i 1248_1br2nb	0.924	1.020	20729365	25315759	250.000	250.000
40) i 3262_1br2nb	0.924	1.020	20729365	25315759	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.272	2.718	21550813	26023991	3436.020	3350.802
10) l2 1260-2	2.389	2.817	40157148	39467693	4193.559	4305.599
11) l2 1260-3	2.682	3.193	24454860	34607928	4123.932	4441.309
12) l2 1260-4	2.827	3.323	59712408	74537069	4707.663	4649.433
13) l2 1260-5	2.966	3.518	34141925	53003638	5049.450	4666.752
Sum 1260-1			180.0E6	227.6E6	21510.623	21413.896
Average 1260-1					4302.125	4282.779

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200302a\
 Data File : 23200302a-05.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Mar 2020 01:54 pm
 Operator : pest23:ht
 Sample : l2008618-02d,42e,100,
 Misc : wgl1346106,wgl1345284,ical16474
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 01:39:49 2020
 Quant Method : I:\Pest23\data\2020\23200302a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:59:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200302a\23200302a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200302a\
 Data File : 23200302a-05.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Mar 2020 01:54 pm
 Operator : pest23:ht
 Sample : l2008618-02d,42e,100,
 Misc : wgl1346106,wgl1345284,ical16474
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 01:39:49 2020
 Quant Method : I:\Pest23\data\2020\23200302a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:59:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200302a\23200302a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200302a\
 Data File : 23200302a-05.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Mar 2020 01:54 pm
 Operator : pest23:ht
 Sample : l2008618-02d,42e,100,
 Misc : wgl346106,wgl345284,ical16474
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 01:39:49 2020
 Quant Method : I:\Pest23\data\2020\23200302a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:59:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200302a\23200302a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

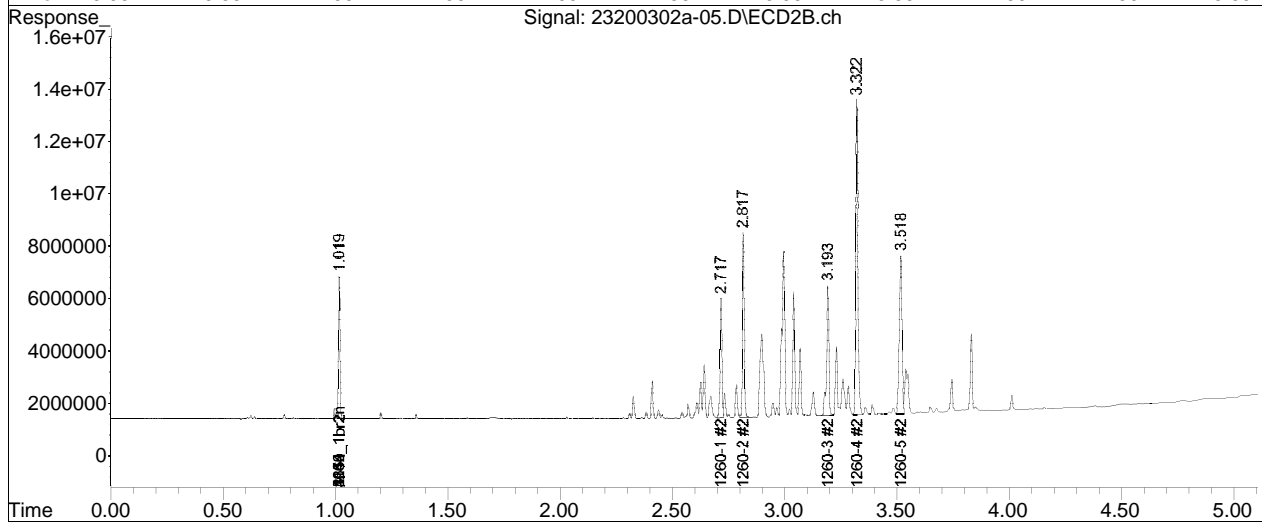
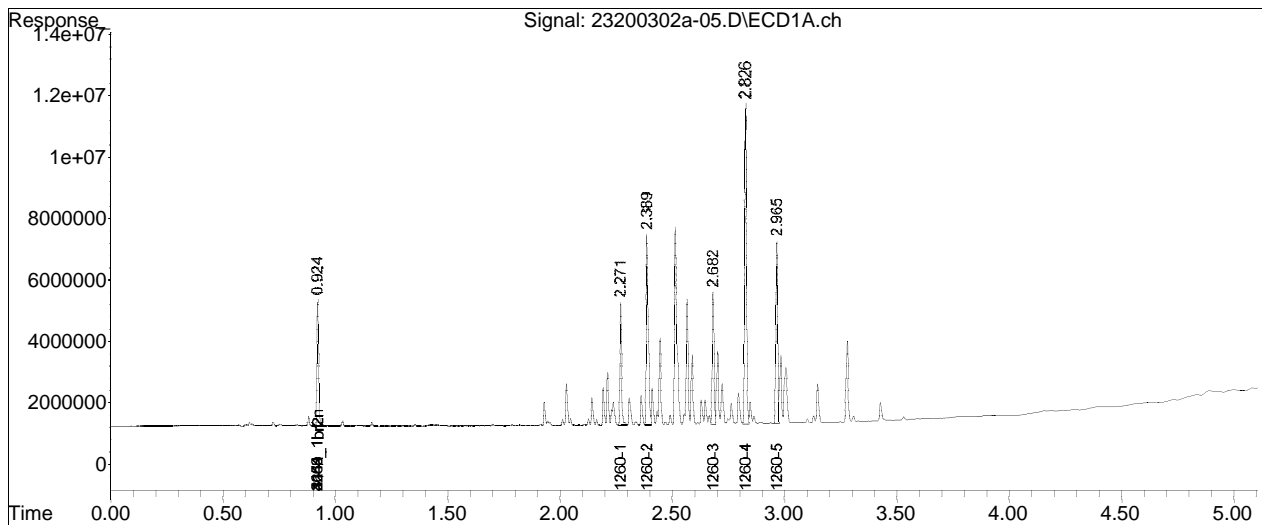
Sub List : Default - All compounds listed02a\23200302a-02.D**

Data Path : I:\Pest23\data\2020\23200302a\
Data File : 23200302a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Mar 2020 01:54 pm
Operator : pest23:ht
Sample : l2008618-02d,42e,100,
Misc : wg1346106,wg1345284,ical16474
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 01:39:49 2020
Quant Method : I:\Pest23\data\2020\23200302a\P23_pcb_01_29_20_ugL_ICAL16474

... .m
Quant Title : pcb
QLast Update : Sun Mar 01 19:59:20 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232003QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200302a-05.D Operator : pest23:ht
Date Inj'd : 3/2/2020 1:54 pm Instrument : Pest 23
Sample : 12008618-02d,42e,100, Quant Date : 3/3/2020 7:09 am

There are no manual integrations or false positives in this file.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200228A\
 Data File : P7200228a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 2:42 pm
 Operator : pest7:ht
 Sample : wgl1345284-1,42e,,
 Misc : wgl1345407,wgl1345284,ical15997
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 00:59:34 2020
 Quant Method : I:\Pest7\200228A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200228A\P7200228a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.891	1.941	467.5E6	362.8E6	250.000	250.000
Standard Area 1 : #1 = 485273357					Recovery =	96.33%
Standard Area 1 : #2 = 371297807					Recovery =	97.72%
14) i 2154_1br2nb	1.891	1.941	467.5E6	362.8E6	250.000	250.000
23) i 4268_1br2nb	1.891	1.941	467.5E6	362.8E6	250.000	250.000
34) i 1248_1br2nb	1.891	1.941	467.5E6	362.8E6	250.000	250.000
40) i 3262_1br2nb	1.891	1.941	467.5E6	362.8E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.319	2.459	849.3E6	676.3E6	369.279	385.275
Spiked Amount 500.000	Range 30 - 150		Recovery =		73.86%	77.05%
3) s Decachlorobi	6.220	6.633	597.4E6	423.6E6	391.298	401.490
Spiked Amount 500.000	Range 30 - 150		Recovery =		78.26%	80.30%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200228A\
 Data File : P7200228a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 2:42 pm
 Operator : pest7:ht
 Sample : wg1345284-1,42e,,
 Misc : wg1345407,wg1345284,ical15997
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 00:59:34 2020
 Quant Method : I:\Pest7\200228A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200228A\P7200228a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200228A\
 Data File : P7200228a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 2:42 pm
 Operator : pest7:ht
 Sample : wg1345284-1,42e,,
 Misc : wg1345407,wg1345284,ical15997
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 00:59:34 2020
 Quant Method : I:\Pest7\200228A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200228A\P7200228a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

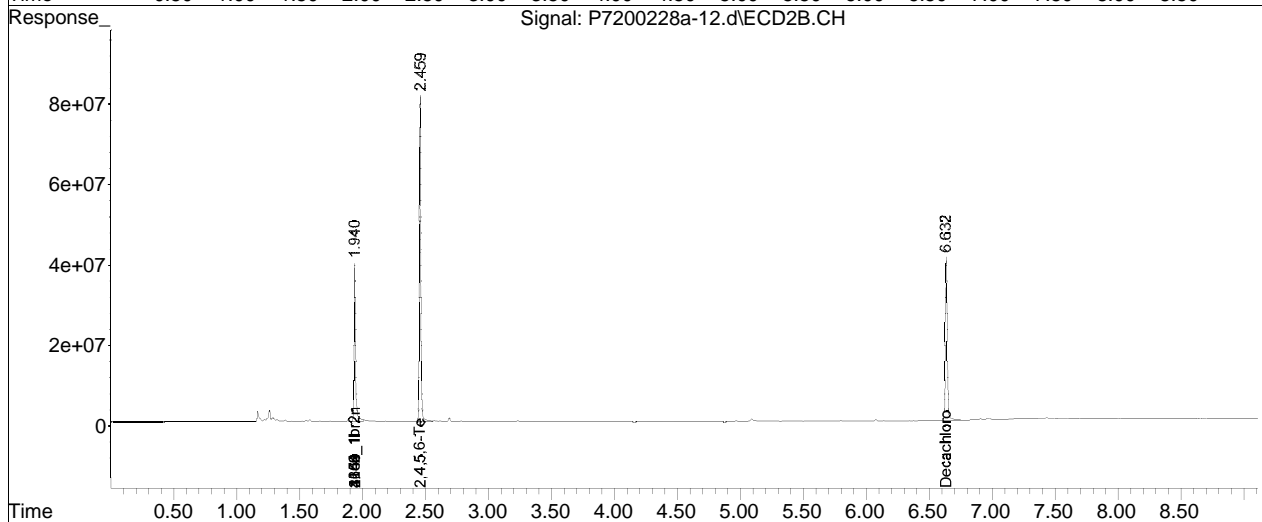
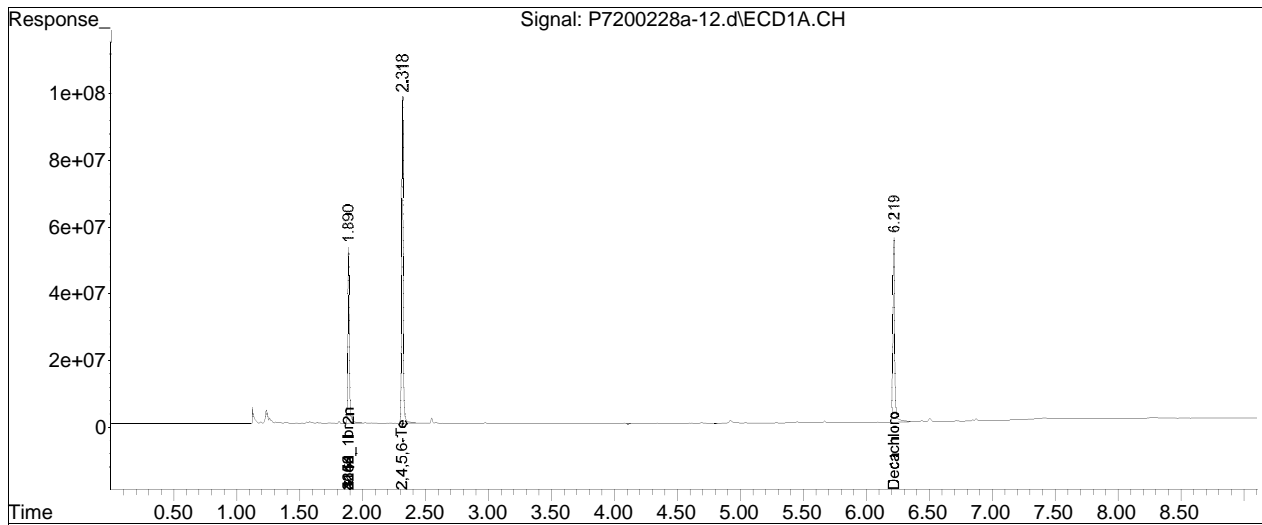
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest7\200228A\
Data File : P7200228a-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 2:42 pm
Operator : pest7:ht
Sample : wg1345284-1,42e,,
Misc : wg1345407,wg1345284,ical15997
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 00:59:34 2020
Quant Method : I:\Pest7\200228A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest7\200228A\ Data File	: P7200228a-12.d	QMethod	: P7_pcb_07_28_19_ugL_ICAL
Date Inj'd	: 2/28/2020 2:42 pm		Operator	: pest7:ht
Sample	: wg1345284-1,42e,,		Instrument	: Pest 7
			Quant Date	: 3/2/2020 0:59 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 01:03 pm
 Operator : pest21:ht
 Sample : wg1348141-1,42e,,
 Misc : wg1348385,wg1348141,ical16334
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:36:22 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.088	2.198	146.8E6	284.8E6	250.000	250.000
Standard Area 1 : #1 = 147894389					Recovery =	99.28%
Standard Area 1 : #2 = 287723858					Recovery =	99.00%
14) i 2154_1br2nb	2.088	2.198	146.8E6	284.8E6	250.000	250.000
23) i 4268_1br2nb	2.088	2.198	146.8E6	284.8E6	250.000	250.000
34) i 1248_1br2nb	2.088	2.198	146.8E6	284.8E6	250.000	250.000
40) i 3262_1br2nb	2.088	2.198	146.8E6	284.8E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.575	2.832	183.8E6	366.5E6	301.134	309.227
Spiked Amount 500.000	Range 30 - 150		Recovery =		60.23%	61.85%
3) s Decachlorobi	6.585	7.202	101.4E6	159.6E6	202.780	196.135M4
Spiked Amount 500.000	Range 30 - 150		Recovery =		40.56%	39.23%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 01:03 pm
 Operator : pest21:ht
 Sample : wg1348141-1,42e,,
 Misc : wg1348385,wg1348141,ical16334
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:36:22 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 01:03 pm
 Operator : pest21:ht
 Sample : wg1348141-1,42e,,
 Misc : wg1348385,wg1348141,ical16334
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:36:22 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D.	N.D.
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 01:03 pm
 Operator : pest21:ht
 Sample : wg1348141-1,42e,,
 Misc : wg1348385,wg1348141,ical16334
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:36:22 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

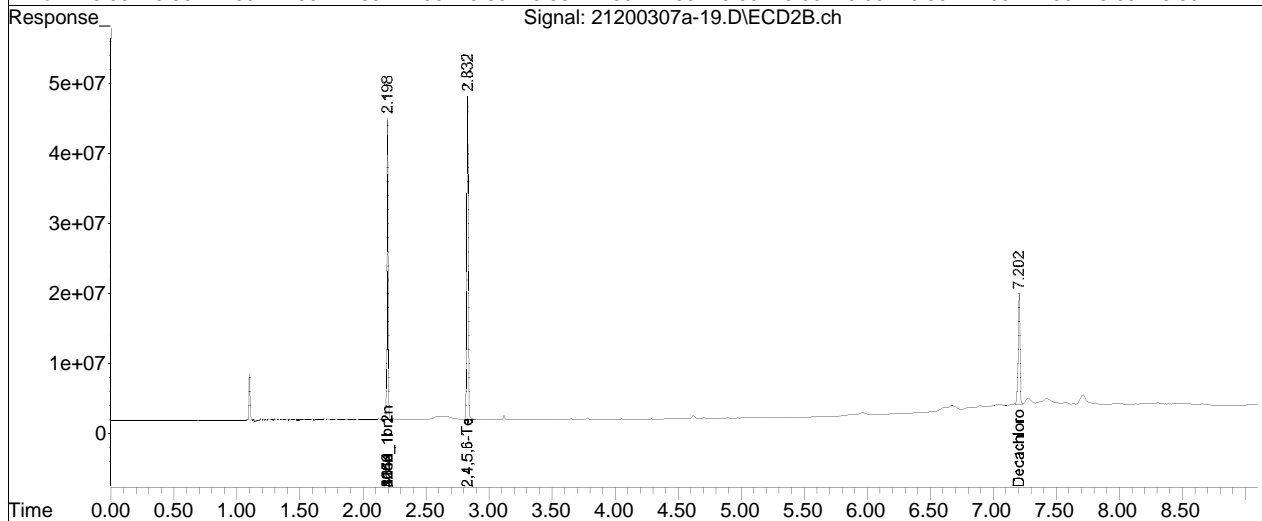
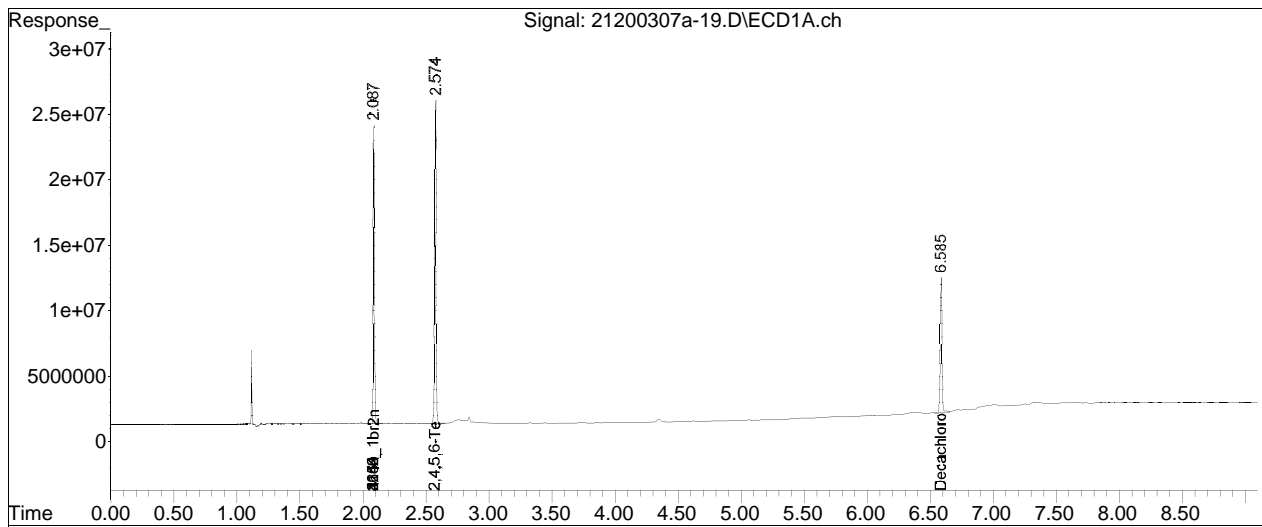
Sub List : Default - All compounds listed07a\21200307a-02.D••

Data Path : I:\Pest21\data\2020\21200307a\
Data File : 21200307a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2020 01:03 pm
Operator : pest21:ht
Sample : wg1348141-1,42e,,
Misc : wg1348385,wg1348141,ical16334
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 20:36:22 2020
Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334
... .m

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

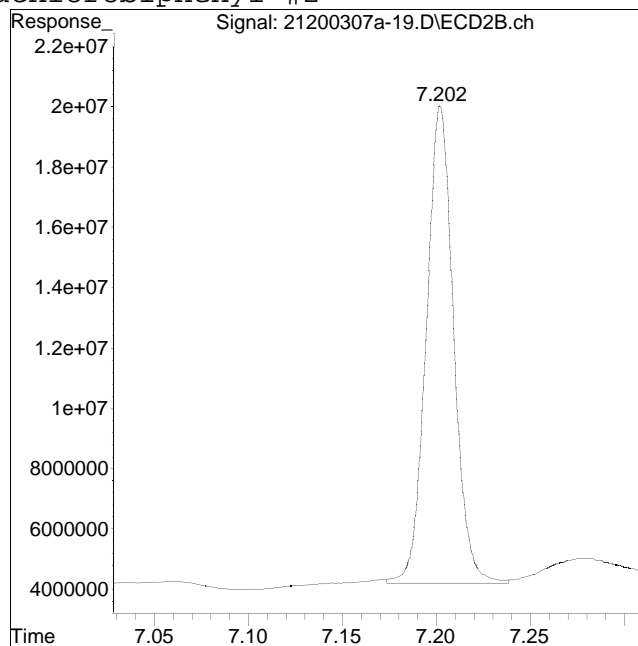
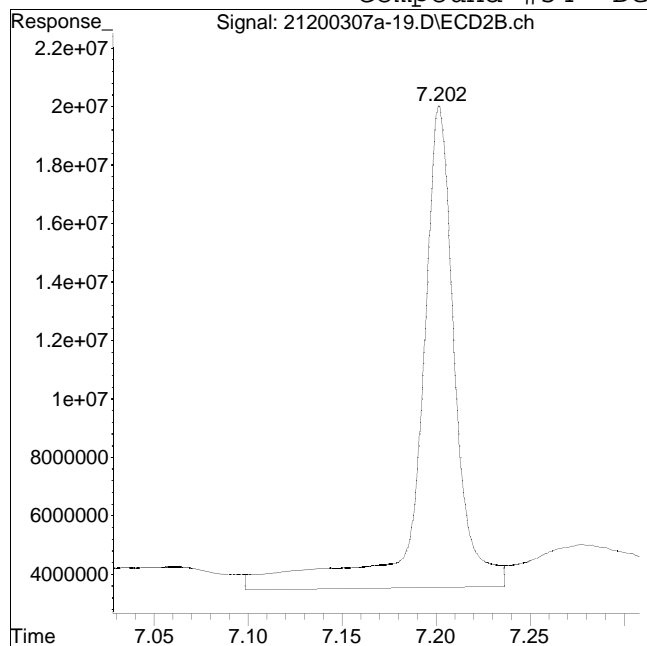
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-19.D Operator : pest21:ht
Date Inj'd : 3/7/2020 1:03 pm Instrument : Pest 21
Sample : wg1348141-1,42e,, Quant Date : 3/8/2020 6:42 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 213716958

Manual Peak Response = 159646703 M4

M4 = Poor automated baseline construction.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008618-01	Date Collected : 02/26/20 09:48
Client ID : E-98-0.5-1.0	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 09:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345353.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	84.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008618
Project Name : AMTRAK-NEW BARRACKS	Project Number : 277710568.0007.03
Lab ID : L2008618-02	Date Collected : 02/26/20 10:03
Client ID : E-98-3.0-3.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 09:20
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345353.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.4	0.100	NA	





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Lab Number: L2008619

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

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Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0008.06		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2008619		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/26/2020		Date of Last Sample Receipt: 02/26/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-203-0.5-1.0	L2008619-01	AMTRAK-EAST BARRACKS	02/26/2020 13:48
E-203-2.0-2.5	L2008619-02	AMTRAK-EAST BARRACKS	02/26/2020 14:03
E-134-0.5-1.0	L2008619-03	AMTRAK-EAST BARRACKS	02/26/2020 15:03
E-134-2.0-2.5	L2008619-04	AMTRAK-EAST BARRACKS	02/26/2020 15:09
E-134-3.0-3.5	L2008619-05	AMTRAK-EAST BARRACKS	02/26/2020 15:12
E-134-4.0-4.5	L2008619-06	AMTRAK-EAST BARRACKS	02/26/2020 15:19
E-135-0.5-1.0	L2008619-07	AMTRAK-EAST BARRACKS	02/26/2020 15:35
E-135-2.0-2.5	L2008619-08	AMTRAK-EAST BARRACKS	02/26/2020 15:52
EB-14-02262020	L2008619-09	AMTRAK-EAST BARRACKS	02/26/2020 16:14
X-12-02262020	L2008619-10	AMTRAK-EAST BARRACKS	02/26/2020 00:00

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.

Technical Director/Representative (Typed) Tiffani Morrissey

03/04/20

Technical Director/Representative (Signature) 

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EB-14-02262020 (L2008619-09) Analyzed: 03/02/20 11:54 Chan. A&B	90
E-203-0.5-1.0 (L2008619-01) Analyzed: 03/01/20 12:16 Chan. A&B	97
E-203-2.0-2.5 (L2008619-02) Analyzed: 03/01/20 12:28 Chan. A&B	103
E-134-0.5-1.0 (L2008619-03) Analyzed: 03/01/20 12:40 Chan. A&B	110
E-134-2.0-2.5 (L2008619-04) Analyzed: 03/01/20 12:52 Chan. A&B	116
X-12-02262020 (L2008619-10) Analyzed: 03/01/20 13:27 Chan. A&B	122
E-135-2.0-2.5 (L2008619-08D) Analyzed: 03/01/20 21:06 Chan. A&B	131
E-135-0.5-1.0 (L2008619-07D) Analyzed: 03/02/20 13:48 Chan. A&B	137
Method Blank Raw Data	143
Laboratory Method BI (WG1345284-1) Analyzed: 02/28/20 14:42 Chan. A&B	144
Laboratory Method BI (WG1345916-1) Analyzed: 03/02/20 10:33 Chan. A&B	149
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Chain of Custody





**NEW JERSEY
CHAIN OF
CUSTODY**

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9309
FAX: 508-822-3288

Service Centers

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1
of 1

Date Rec'd
in Lab 2/27/20

ALPHA Job #
L2008619

Client Information		Project Information		Deliverables		Billing Information	
Client: WOOD E&S		Project Name: AMTRAK - EAST BARRACKS		<input checked="" type="checkbox"/> NJ Full (Reduced)		<input type="checkbox"/> Same as Client Info	
Address: 285 DAVENPORT AVE #103 SOMERSET NJ 08873		Project Location: TRENTON NJ		<input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)		PO#	
Phone: 1-732-302-9500		Project # 277710568.0008.06		<input type="checkbox"/> Other			
Fax: 1-732-302-9504		(Use Project name as Project #) <input type="checkbox"/>		Regulatory Requirement		Site Information	
Email: marlene.lindhardt@alpha.com		Project Manager: MARLENE LINDHARDT		<input checked="" type="checkbox"/> SRS Residential/Non Residential		Is this site impacted by Petroleum? Yes <input type="checkbox"/>	
		ALPHAQuote #:		<input checked="" type="checkbox"/> SRS Impact to Groundwater		Petroleum Product:	
		Turn-Around Time		<input type="checkbox"/> NJ Ground Water Quality Standards			
		Standard <input checked="" type="checkbox"/> Due Date:		<input type="checkbox"/> NJ IGW SPLP Leachate Criteria			
		Rush (only if pre approved) <input type="checkbox"/> # of Days:		<input type="checkbox"/> Other			

These samples have been previously analyzed by Alpha <input type="checkbox"/>			ANALYSIS				Sample Filtration	
For EPH, selection is REQUIRED:	For VOC, selection is REQUIRED:	Other project specific requirements/comments:						<input type="checkbox"/> Done
<input type="checkbox"/> Category 1	<input type="checkbox"/> 1,4-Dioxane	H = HOLD ANALYSIS						<input type="checkbox"/> Lab to do
<input type="checkbox"/> Category 2	<input type="checkbox"/> 8011	Please specify Metals or TAL.						<input type="checkbox"/> Lab to do
								(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	PCB (500 B/L 8/22/14)							Sample Specific Comments	TOTAL BOTTLES
		Date	Time											
081619-01	E-203-0.5-1.0	2-26-20	1348	SOIL	NDF	X								1
08619-02	E-203-2.0-2.5	2-26-20	1403	SOIL	NDF	X								1
03	E-134-0.5-1.0	2-26-20	1503	SOIL	NDF	X								1
04	E-134-2.0-2.5	2-26-20	1509	SOIL	NDF	X								1
05	E-134-3.0-3.5	2-26-20	1512	SOIL	NDF	H								1
06	E-134-4.0-4.5	2-26-20	1519	SOIL	NDF	H								1
07	E-135-0.5-1.0	2-26-20	1535	SOIL	NDF	X								1
08	E-135-2.0-2.5	2-26-20	1552	SOIL	NDF	X								1
09	EB-14-02262020	2-26-20	1614	WATER	NDF	X								2
10	X-12-02262020	2-26-20	-	SOIL	NDF	X								1

Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₈ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type A								Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
						Preservative									
Relinquished By:				Date/Time		Received By:				Date/Time					
GJAC				2/26/20 0:18:15		GJAC (AAU)				2/26/20 18:04					
GJAC				2/26/20 20:25		GJAC				2/27/20 01:00					

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 05 2020, 12:13 pm

Login Number: L2008619

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0008.06

Received: 26FEB20 Due Date: 05MAR20

Sample #	Client ID	Mat PR Collected
L2008619-01	E-203-0.5-1.0	3 S0 26FEB20 13:48
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 03/05/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2008619-02	E-203-2.0-2.5	3 S0 26FEB20 14:03
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		
L2008619-03	E-134-0.5-1.0	3 S0 26FEB20 15:03
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		
L2008619-04	E-134-2.0-2.5	3 S0 26FEB20 15:09
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
NJ-8082,TS		
L2008619-05	E-134-3.0-3.5	3 S0 26FEB20 15:12
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		
HOLD-8082,HOLD-CONTINGENCY		
L2008619-06	E-134-4.0-4.5	3 S0 26FEB20 15:19
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 05 2020, 12:13 pm

Login Number: L2008619

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 26FEB20 Due Date: 05MAR20

Sample # Client ID Mat PR Collected

HOLD-8082,HOLD-CONTINGENCY

L2008619-07 E-135-0.5-1.0 3 S0 26FEB20 15:35

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20

NJ-8082,TS

L2008619-08 E-135-2.0-2.5 3 S0 26FEB20 15:52

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20

NJ-8082,TS

L2008619-09 EB-14-02262020 1 S0 26FEB20 16:14

Need to CC client PM on all invoices. LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Package Due Date: 03/05/20

NJ-8082-LVI

L2008619-10 X-12-02262020 3 S0 26FEB20 00:00

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/05/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008619-01A	Glass-A.06	INTACT	28-FEB-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W2-S3-B	CUSTODY	W2-S3-B CUSTODY Sam Bardsley
L2008619-01A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	ORGPREP	Armia Rashed	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Armia Rashed
L2008619-01A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008619-01A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	LOGIN	Kamerry Keo	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Kamerry Keo
L2008619-01A	Glass-A.06	INTACT	28-FEB-20		W2-S3-D	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008619-01A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W2-S3-D	CUSTODY	W2-S3-D CUSTODY Sam Bardsley
L2008619-01A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008619-02A	Glass-A.06	INTACT	28-FEB-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W2-S3-B	CUSTODY	W2-S3-B CUSTODY Sam Bardsley
L2008619-02A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	ORGPREP	Armia Rashed	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Armia Rashed
L2008619-02A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008619-02A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	LOGIN	Kamerry Keo	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Kamerry Keo
L2008619-02A	Glass-A.06	INTACT	28-FEB-20		W2-S3-D	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008619-02A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W2-S3-D	CUSTODY	W2-S3-D CUSTODY Sam Bardsley
L2008619-02A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008619-03A	Glass-A.06	INTACT	28-FEB-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W2-S3-B	CUSTODY	W2-S3-B CUSTODY Sam Bardsley
L2008619-03A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	ORGPREP	Armia Rashed	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Armia Rashed
L2008619-03A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008619-03A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	LOGIN	Kamerry Keo	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Kamerry Keo
L2008619-03A	Glass-A.06	INTACT	28-FEB-20		W2-S3-D	CUSTODY Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008619-03A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W2-S3-D	CUSTODY	W2-S3-D CUSTODY Sam Bardsley
L2008619-03A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008619-04A	Glass-A.06	INTACT	28-FEB-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W2-S3-B	CUSTODY	W2-S3-B CUSTODY Sam Bardsley
L2008619-04A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	ORGPREP	Armia Rashed	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Armia Rashed
L2008619-04A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008619-04A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	LOGIN	Kamerry Keo	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Kamerry Keo

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008619-04A	Glass-A.06	INTACT	28-FEB-20		W2-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008619-04A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W2-S3-D CUSTODY	W2-S3-D CUSTODY	Sam Bardsley
L2008619-04A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008619-05A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W2-S3-D CUSTODY	W2-S3-D CUSTODY	Sam Bardsley
L2008619-05A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008619-06A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W2-S3-D CUSTODY	W2-S3-D CUSTODY	Sam Bardsley
L2008619-06A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008619-07A	Glass-A.06	INTACT	28-FEB-20		RETURN WALK-IN CUSTODY	Sam Bardsley	W2-S3-B CUSTODY	W2-S3-B CUSTODY	Sam Bardsley
L2008619-07A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	ORGPREP	Armia Rashed	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Armia Rashed
L2008619-07A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008619-07A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	LOGIN	Kamerry Keo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Kamerry Keo
L2008619-07A	Glass-A.06	INTACT	28-FEB-20		W2-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008619-07A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W2-S3-D CUSTODY	W2-S3-D CUSTODY	Sam Bardsley
L2008619-07A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008619-08A	Glass-A.06	INTACT	28-FEB-20		RETURN WALK-IN CUSTODY	Sam Bardsley	W2-S3-B CUSTODY	W2-S3-B CUSTODY	Sam Bardsley
L2008619-08A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	ORGPREP	Armia Rashed	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Armia Rashed
L2008619-08A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008619-08A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	LOGIN	Kamerry Keo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Kamerry Keo
L2008619-08A	Glass-A.06	INTACT	28-FEB-20		W2-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008619-08A	Glass-A.06	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W2-S3-D CUSTODY	W2-S3-D CUSTODY	Sam Bardsley
L2008619-08A	Glass-A.06	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008619-09A	Amber-A.120	EMPTY	01-MAR-20		ORGPREP	Franc. Castellanos	CUSTODY	CUSTODY	Franc. Castellanos
L2008619-09A	Amber-A.120	INTACT	01-MAR-20		W26-S2-A CUSTODY	William Fleckenstein	ORGPREP	ORGPREP	William Fleckenstein
L2008619-09A	Amber-A.120	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W26-S2-A CUSTODY	W26-S2-A CUSTODY	Sam Bardsley
L2008619-09A	Amber-A.120	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008619-09B Amber-A.120	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W26-S2-A CUSTODY	W26-S2-A CUSTODY	Sam Bardsley
L2008619-09B Amber-A.120	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi
L2008619-10A Plastic-A-TS	INTACT	28-FEB-20		RETURN WALK-IN	CUSTODY Sam Bardsley	W2-S3-B CUSTODY	W2-S3-B CUSTODY	Sam Bardsley
L2008619-10A Plastic-A-TS	INTACT	28-FEB-20	CUSTODY	ORGPREP	Armia Rashed	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Armia Rashed
L2008619-10A Plastic-A-TS	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Shrenuj Patel	ORGPREP	ORGPREP	Shrenuj Patel
L2008619-10A Plastic-A-TS	INTACT	28-FEB-20	CUSTODY	LOGIN	Kamerry Keo	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Kamerry Keo
L2008619-10A Plastic-A-TS	INTACT	28-FEB-20		W2-S3-D CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008619-10A Plastic-A-TS	INTACT	27-FEB-20	CUSTODY	CUSTODY	Sam Bardsley	W2-S3-D CUSTODY	W2-S3-D CUSTODY	Sam Bardsley
L2008619-10A Plastic-A-TS	INTACT	27-FEB-20	LOGIN	LOGIN	Daniel Omondi	CUSTODY	CUSTODY	Daniel Omondi

Methodology Review

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008619
Report Date: 03/04/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2008619

Report Date: 03/04/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2008619-01A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008619-02A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008619-03A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008619-04A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008619-05A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		HOLD-CONTINGENCY(14),HOLD-8082(14)
L2008619-06A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		HOLD-CONTINGENCY(14),HOLD-8082(14)
L2008619-07A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008619-08A	Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)
L2008619-09A	Amber 120ml unpreserved	A	7	7	4.9	Y	Absent		NJ-8082-LVI(7)
L2008619-09B	Amber 120ml unpreserved	A	7	7	4.9	Y	Absent		NJ-8082-LVI(7)
L2008619-10A	Plastic 2oz unpreserved for TS	A	NA		4.9	Y	Absent		NJ-8082(14),TS(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008619
Report Date: 03/04/20

**NJ DEP Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^\circ \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	NO

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008619
Report Date: 03/04/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008619
Report Date: 03/04/20

Case Narrative (continued)

Report Submission

March 04, 2020: This final report includes the results of all requested analyses.

March 04, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

L2008619-07 and -08: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

L2008619-07 and -08: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Siffani Morrissey*

Report Date: 03/04/20

Title: Technical Director/Representative



Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008619
Report Date: 03/04/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008619
Report Date: 03/04/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Organics



**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-01	Date Collected : 02/26/20 13:48
Client ID : E-203-0.5-1.0	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 12:16
Sample Matrix : SOIL	Date Extracted : 02/28/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200301a-09	Analyst : HT
Sample Amount : 15.16 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 86
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0383	0.00340	U
11104-28-2	Aroclor 1221	ND	0.0383	0.00383	U
11141-16-5	Aroclor 1232	ND	0.0383	0.00811	U
53469-21-9	Aroclor 1242	ND	0.0383	0.00516	U
12672-29-6	Aroclor 1248	ND	0.0383	0.00574	U
11097-69-1	Aroclor 1254	ND	0.0383	0.00418	U
11096-82-5	Aroclor 1260	0.495	0.0383	0.00707	
37324-23-5	Aroclor 1262	ND	0.0383	0.00486	U
11100-14-4	Aroclor 1268	ND	0.0383	0.00396	U
1336-36-3	PCBs, Total	0.495	0.0383	0.00340	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-02	Date Collected : 02/26/20 14:03
Client ID : E-203-2.0-2.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 12:28
Sample Matrix : SOIL	Date Extracted : 02/28/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200301a-10	Analyst : HT
Sample Amount : 15.44 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0398	0.00353	U
11104-28-2	Aroclor 1221	ND	0.0398	0.00399	U
11141-16-5	Aroclor 1232	ND	0.0398	0.00843	U
53469-21-9	Aroclor 1242	ND	0.0398	0.00536	U
12672-29-6	Aroclor 1248	ND	0.0398	0.00597	U
11097-69-1	Aroclor 1254	ND	0.0398	0.00435	U
11096-82-5	Aroclor 1260	0.565	0.0398	0.00735	
37324-23-5	Aroclor 1262	ND	0.0398	0.00505	U
11100-14-4	Aroclor 1268	ND	0.0398	0.00412	U
1336-36-3	PCBs, Total	0.565	0.0398	0.00353	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-03	Date Collected : 02/26/20 15:03
Client ID : E-134-0.5-1.0	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 12:40
Sample Matrix : SOIL	Date Extracted : 02/28/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200301a-11	Analyst : HT
Sample Amount : 15.89 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 92
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0341	0.00303	U
11104-28-2	Aroclor 1221	ND	0.0341	0.00342	U
11141-16-5	Aroclor 1232	ND	0.0341	0.00723	U
53469-21-9	Aroclor 1242	ND	0.0341	0.00460	U
12672-29-6	Aroclor 1248	ND	0.0341	0.00511	U
11097-69-1	Aroclor 1254	ND	0.0341	0.00373	U
37324-23-5	Aroclor 1262	ND	0.0341	0.00433	U
11100-14-4	Aroclor 1268	ND	0.0341	0.00353	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008619
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2008619-03	Date Collected	: 02/26/20 15:03
Client ID	: E-134-0.5-1.0	Date Received	: 02/26/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 03/01/20 12:40
Sample Matrix	: SOIL	Date Extracted	: 02/28/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 21200301a-11	Analyst	: HT
Sample Amount	: 15.89 g	Instrument ID	: PEST21
Extraction Method	: EPA 3546	GC Column	: CLP-PesticideII
Extract Volume	: 1000 uL	%Solids	: 92
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0668	0.0341	0.00630	
1336-36-3	PCBs, Total	0.0668	0.0341	0.00303	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-04	Date Collected : 02/26/20 15:09
Client ID : E-134-2.0-2.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 12:52
Sample Matrix : SOIL	Date Extracted : 02/28/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200301a-12	Analyst : HT
Sample Amount : 15.49 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 91
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0355	0.00315	U
11104-28-2	Aroclor 1221	ND	0.0355	0.00356	U
11141-16-5	Aroclor 1232	ND	0.0355	0.00753	U
53469-21-9	Aroclor 1242	ND	0.0355	0.00479	U
12672-29-6	Aroclor 1248	ND	0.0355	0.00533	U
11097-69-1	Aroclor 1254	ND	0.0355	0.00388	U
11096-82-5	Aroclor 1260	ND	0.0355	0.00656	U
37324-23-5	Aroclor 1262	ND	0.0355	0.00451	U
11100-14-4	Aroclor 1268	ND	0.0355	0.00368	U
1336-36-3	PCBs, Total	ND	0.0355	0.00315	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008619
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2008619-07D	Date Collected	: 02/26/20 15:35
Client ID	: E-135-0.5-1.0	Date Received	: 02/26/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 03/02/20 13:48
Sample Matrix	: SOIL	Date Extracted	: 02/28/20
Analytical Method	: 1,8082A	Dilution Factor	: 20
Lab File ID	: 23200302a-04	Analyst	: HT
Sample Amount	: 15.06 g	Instrument ID	: PEST23
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.792	0.0704	U
11104-28-2	Aroclor 1221	ND	0.792	0.0794	U
11141-16-5	Aroclor 1232	ND	0.792	0.168	U
53469-21-9	Aroclor 1242	ND	0.792	0.107	U
12672-29-6	Aroclor 1248	ND	0.792	0.119	U
11097-69-1	Aroclor 1254	ND	0.792	0.0867	U
11096-82-5	Aroclor 1260	6.34	0.792	0.146	
37324-23-5	Aroclor 1262	ND	0.792	0.101	U
11100-14-4	Aroclor 1268	ND	0.792	0.0821	U
1336-36-3	PCBs, Total	6.34	0.792	0.0704	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-08D	Date Collected : 02/26/20 15:52
Client ID : E-135-2.0-2.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 21:06
Sample Matrix : SOIL	Date Extracted : 02/28/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : 21200301a-31	Analyst : HT
Sample Amount : 15.23 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 84
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.784	0.0696	U
11104-28-2	Aroclor 1221	ND	0.784	0.0785	U
11141-16-5	Aroclor 1232	ND	0.784	0.166	U
53469-21-9	Aroclor 1242	ND	0.784	0.106	U
12672-29-6	Aroclor 1248	ND	0.784	0.118	U
11097-69-1	Aroclor 1254	ND	0.784	0.0857	U
11096-82-5	Aroclor 1260	2.06	0.784	0.145	
37324-23-5	Aroclor 1262	ND	0.784	0.0995	U
11100-14-4	Aroclor 1268	ND	0.784	0.0812	U
1336-36-3	PCBs, Total	2.06	0.784	0.0696	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-09	Date Collected : 02/26/20 16:14
Client ID : EB-14-02262020	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/02/20 11:54
Sample Matrix : WATER	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200302a-12	Analyst : HT
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-10	Date Collected : 02/26/20 00:00
Client ID : X-12-02262020	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 13:27
Sample Matrix : SOIL	Date Extracted : 02/28/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 21200301a-15	Analyst : HT
Sample Amount : 15.72 g	Instrument ID : PEST21
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0376	0.00334	U
11104-28-2	Aroclor 1221	ND	0.0376	0.00377	U
11141-16-5	Aroclor 1232	ND	0.0376	0.00798	U
53469-21-9	Aroclor 1242	ND	0.0376	0.00507	U
12672-29-6	Aroclor 1248	ND	0.0376	0.00565	U
11097-69-1	Aroclor 1254	ND	0.0376	0.00412	U
37324-23-5	Aroclor 1262	ND	0.0376	0.00478	U
11100-14-4	Aroclor 1268	ND	0.0376	0.00390	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008619-10 Client ID : X-12-02262020 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 21200301a-15 Sample Amount : 15.72 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008619 Project Number : 277710568.0008.06 Date Collected : 02/26/20 00:00 Date Received : 02/26/20 Date Analyzed : 03/01/20 13:27 Date Extracted : 02/28/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST21 GC Column : CLP-PesticideII %Solids : 85 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.231	0.0376	0.00696	
1336-36-3	PCBs, Total	0.231	0.0376	0.00334	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1345284-1	Date Collected : NA
Client ID : WG1345284-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 02/28/20 14:42
Sample Matrix : SOIL	Date Extracted : 02/28/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200228a-12	Analyst : HT
Sample Amount : 15.34 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0326	0.00289	U
11104-28-2	Aroclor 1221	ND	0.0326	0.00326	U
11141-16-5	Aroclor 1232	ND	0.0326	0.00691	U
53469-21-9	Aroclor 1242	ND	0.0326	0.00439	U
12672-29-6	Aroclor 1248	ND	0.0326	0.00489	U
11097-69-1	Aroclor 1254	ND	0.0326	0.00356	U
11096-82-5	Aroclor 1260	ND	0.0326	0.00602	U
37324-23-5	Aroclor 1262	ND	0.0326	0.00414	U
11100-14-4	Aroclor 1268	ND	0.0326	0.00338	U
1336-36-3	PCBs, Total	ND	0.0326	0.00289	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1345916-1	Date Collected : NA
Client ID : WG1345916-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 03/02/20 10:33
Sample Matrix : WATER	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200302a-06	Analyst : HT
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1345284-1	Lab File ID : P7200228a-12
Matrix : SOIL	Extraction Date : 02/28/20
Sulfur Cleanup : Y	
Analysis Date (1) : 02/28/20 14:42	Analysis Date (2) : 02/28/20 14:42
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1345284-2LCS	WG1345284-2	02/28/20 14:54	02/28/20 14:54
WG1345284-3LCSD	WG1345284-3	02/28/20 15:06	02/28/20 15:06
E-203-0.5-1.0	L2008619-01	03/01/20 12:16	03/01/20 12:16
E-203-2.0-2.5	L2008619-02	03/01/20 12:28	03/01/20 12:28
E-134-0.5-1.0	L2008619-03	03/01/20 12:40	03/01/20 12:40
E-134-2.0-2.5	L2008619-04	03/01/20 12:52	03/01/20 12:52
X-12-02262020	L2008619-10	03/01/20 13:27	03/01/20 13:27
E-135-2.0-2.5	L2008619-08D	03/01/20 21:06	03/01/20 21:06
E-135-0.5-1.0	L2008619-07D	03/02/20 13:48	03/02/20 13:48



**Method Blank Summary
Form 4
PCBs**

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008619
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: WG1345916-1	Lab File ID	: P2200302a-06
Matrix	: WATER	Extraction Date	: 03/01/20
Sulfur Cleanup	: Y		
Analysis Date (1)	: 03/02/20 10:33	Analysis Date (2)	: 03/02/20 10:33
Instrument ID (1)	: PEST2	Instrument ID (2)	: PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1345916-2LCS	WG1345916-2	03/02/20 10:46	03/02/20 10:46
WG1345916-3LCSD	WG1345916-3	03/02/20 11:00	03/02/20 11:00
EB-14-02262020	L2008619-09	03/02/20 11:54	03/02/20 11:54



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.473	1.290	1.250	1.210	1.137	1.021	1.230	12.37
3) s Decachlorobiphenyl	1.026	0.864	0.827	0.777	0.743	0.662	0.817	15.21
4) 11 1016-1	0.029	0.025	0.023	0.021	0.019	0.017	0.022	18.43
5) 11 1016-2	0.063	0.053	0.049	0.045	0.041	0.036	0.048	19.80
6) 11 1016-3	0.124	0.108	0.104	0.099	0.093	0.083	0.102	13.64
7) 11 1016-4	0.053	0.048	0.043	0.040	0.038	0.034	0.043	15.82
8) 11 1016-5	0.056	0.049	0.046	0.043	0.041	0.037	0.045	14.66
9) 12 1260-1	0.075	0.064	0.060	0.057	0.054	0.049	0.060	14.99
10) 12 1260-2	0.111	0.096	0.091	0.086	0.082	0.073	0.090	14.56
11) 12 1260-3	0.062	0.059	0.056	0.053	0.052	0.047	0.055	9.75
12) 12 1260-4	0.146	0.130	0.125	0.120	0.114	0.098	0.122	13.22
13) 12 1260-5	0.100	0.088	0.085	0.080	0.079	0.072	0.084	11.45
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.014	0.013	0.012	0.011	0.010	0.012	14.08
16) 13 1221-3	0.010	0.009	0.008	0.007	0.007	0.006	0.008	16.46
17) 13 1221-4	0.037	0.031	0.029	0.026	0.024	0.022	0.028	19.89
18) 14 1254-1	0.055	0.046	0.044	0.041	0.039	0.036	0.043	15.13
19) 14 1254-2	0.097	0.081	0.077	0.072	0.068	0.063	0.076	15.79
20) 14 1254-3	0.090	0.077	0.074	0.070	0.066	0.061	0.073	13.58
21) 14 1254-4	0.068	0.062	0.058	0.056	0.053	0.049	0.058	11.79
22) 14 1254-5	0.094	0.080	0.077	0.074	0.070	0.066	0.077	12.65
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.018	0.016	0.015	0.014	0.012	0.016	16.30
25) 16 1242-2	0.043	0.037	0.035	0.031	0.029	0.027	0.034	17.65
26) 16 1242-3	0.085	0.077	0.074	0.069	0.068	0.062	0.073	11.36
27) 16 1242-4	0.039	0.037	0.034	0.032	0.030	0.028	0.034	11.86
28) 16 1242-5	0.028	0.026	0.025	0.024	0.023	0.021	0.024	9.69
29) 19 1268-1	0.164	0.145	0.141	0.131	0.121	0.105	0.135	15.17
30) 19 1268-2	0.162	0.148	0.141	0.132	0.123	0.110	0.136	13.59
31) 19 1268-3	0.108	0.098	0.094	0.088	0.083	0.076	0.091	12.44
32) 19 1268-4	0.053	0.048	0.047	0.044	0.043	0.040	0.046	9.66
33) 19 1268-5	0.292	0.267	0.255	0.234	0.212	0.179	0.240	16.83
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.027	0.027	0.025	0.024	0.022	0.026	12.33
36) 17 1248-2	0.044	0.036	0.036	0.033	0.032	0.027	0.035	16.84



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008619
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.064	0.061	0.054	0.051	0.049	0.044	0.054	13.95
38) 17 1248-4	0.057	0.051	0.048	0.045	0.044	0.040	0.047	12.58
39) 17 1248-5	0.047	0.043	0.041	0.039	0.038	0.035	0.040	11.04
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.025	0.023	0.020	0.019	0.017	0.022	20.00
42) 15 1232-2	0.028	0.024	0.022	0.019	0.019	0.017	0.021	19.01
43) 15 1232-3	0.053	0.048	0.045	0.042	0.041	0.038	0.044	12.42
44) 15 1232-4	0.022	0.021	0.020	0.017	0.018	0.017	0.019	11.95
45) 15 1232-5	0.017	0.015	0.014	0.013	0.013	0.012	0.014	14.33
46) 18 1262-1	0.074	0.063	0.058	0.053	0.052	0.048	0.058	16.15
47) 18 1262-2	0.086	0.075	0.070	0.066	0.063	0.057	0.070	14.64
48) 18 1262-3	0.074	0.066	0.062	0.059	0.056	0.052	0.062	12.83
49) 18 1262-4	0.147	0.133	0.125	0.117	0.111	0.099	0.122	13.81
50) 18 1262-5	0.046	0.043	0.040	0.038	0.036	0.034	0.040	10.81



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008619
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.381	1.232	1.206	1.198	1.168	1.071	1.209	8.34
3) s Decachlorobip	0.882	0.739	0.722	0.700	0.682	0.636	0.727	11.55
4) 11 1016-1	0.027	0.024	0.022	0.020	0.019	0.018	0.022	15.75
5) 11 1016-2	0.059	0.051	0.047	0.044	0.042	0.039	0.047	15.56
6) 11 1016-3	0.113	0.099	0.094	0.091	0.091	0.084	0.095	10.57
7) 11 1016-4	0.044	0.038	0.036	0.034	0.033	0.031	0.036	12.33
8) 11 1016-5	0.036	0.031	0.029	0.028	0.027	0.025	0.029	13.42
9) 12 1260-1	0.069	0.058	0.053	0.051	0.050	0.047	0.054	14.48
10) 12 1260-2	0.078	0.066	0.061	0.059	0.058	0.054	0.063	13.09
11) 12 1260-3	0.061	0.053	0.050	0.049	0.048	0.045	0.051	10.80
12) 12 1260-4	0.122	0.108	0.104	0.103	0.101	0.093	0.105	9.18
13) 12 1260-5	0.088	0.075	0.072	0.070	0.070	0.066	0.074	10.50
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.016	0.013	0.012	0.011	0.010	0.010	0.012	16.89
16) 13 1221-3	0.009	0.008	0.008	0.007	0.007	0.006	0.008	14.40
17) 13 1221-4	0.035	0.030	0.028	0.026	0.024	0.022	0.027	15.95
18) 14 1254-1	0.053	0.044	0.041	0.039	0.038	0.036	0.042	13.97
19) 14 1254-2	0.063	0.050	0.047	0.045	0.043	0.041	0.048	16.16
20) 14 1254-3	0.090	0.077	0.072	0.070	0.067	0.064	0.073	12.70
21) 14 1254-4	0.060	0.050	0.048	0.046	0.045	0.043	0.049	12.53
22) 14 1254-5	0.081	0.069	0.065	0.063	0.061	0.059	0.066	11.77
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.017	0.016	0.014	0.013	0.012	0.015	16.00
25) 16 1242-2	0.042	0.037	0.034	0.031	0.030	0.028	0.034	15.54
26) 16 1242-3	0.078	0.070	0.068	0.066	0.063	0.060	0.067	9.13
27) 16 1242-4	0.025	0.023	0.022	0.020	0.020	0.019	0.021	11.23
28) 16 1242-5	0.025	0.023	0.021	0.020	0.019	0.018	0.021	10.92
29) 19 1268-1	0.142	0.125	0.121	0.117	0.113	0.103	0.120	10.81
30) 19 1268-2	0.142	0.126	0.121	0.118	0.115	0.106	0.121	9.84
31) 19 1268-3	0.096	0.083	0.080	0.078	0.076	0.072	0.081	10.46
32) 19 1268-4	0.048	0.044	0.041	0.039	0.038	0.037	0.041	10.31
33) 19 1268-5	0.248	0.239	0.228	0.219	0.206	0.181	0.220	11.03
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.026	0.024	0.023	0.023	0.021	0.024	10.31
36) 17 1248-2	0.036	0.032	0.029	0.027	0.026	0.025	0.029	14.43



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.044	0.039	0.036	0.034	0.033	0.031	0.036	12.89
38) 17 1248-4	0.048	0.042	0.040	0.038	0.037	0.035	0.040	11.61
39) 17 1248-5	0.053	0.047	0.044	0.042	0.041	0.039	0.045	11.42
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.027	0.024	0.022	0.019	0.019	0.017	0.021	17.41
42) 15 1232-2	0.027	0.025	0.022	0.020	0.019	0.017	0.022	17.37
43) 15 1232-3	0.049	0.045	0.041	0.038	0.038	0.036	0.041	11.60
44) 15 1232-4	0.015	0.014	0.012	0.011	0.011	0.010	0.012	14.64
45) 15 1232-5	0.014	0.013	0.012	0.011	0.011	0.010	0.012	14.30
46) 18 1262-1	0.057	0.046	0.042	0.040	0.039	0.037	0.044	16.49
47) 18 1262-2	0.074	0.062	0.057	0.053	0.055	0.050	0.059	14.39
48) 18 1262-3	0.066	0.057	0.053	0.052	0.051	0.048	0.055	11.60
49) 18 1262-4	0.123	0.107	0.101	0.098	0.097	0.089	0.102	11.26
50) 18 1262-5	0.044	0.038	0.036	0.034	0.034	0.033	0.036	11.21



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008619
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST21 **Ical Ref** : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38

Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.035	1.042	1.067	1.034	0.969	1.089	1.039	3.89
3) s Decachlorobiphenyl	0.939	0.851	0.852	0.848	0.769	0.850	0.851	6.34
4) 11 1016-1	0.024	0.020	0.021	0.018	0.016	0.017	0.019	14.55
5) 11 1016-2	0.050	0.047	0.045	0.041	0.036	0.039	0.043	12.39
6) 11 1016-3	0.086	0.082	0.082	0.078	0.072	0.079	0.080	5.87
7) 11 1016-4	0.038	0.036	0.036	0.033	0.030	0.032	0.034	8.88
8) 11 1016-5	0.038	0.039	0.039	0.036	0.032	0.035	0.036	7.19
9) 12 1260-1	0.062	0.056	0.056	0.052	0.047	0.051	0.054	9.15
10) 12 1260-2	0.089	0.082	0.082	0.079	0.071	0.077	0.080	7.62
11) 12 1260-3	0.054	0.052	0.052	0.048	0.046	0.050	0.050	6.05
12) 12 1260-4	0.110	0.105	0.107	0.107	0.100	0.111	0.107	3.85
13) 12 1260-5	0.079	0.076	0.078	0.076	0.070	0.078	0.076	4.20
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.011	0.011	0.011	0.011	0.010	0.010	0.011	6.66
16) 13 1221-2	0.006	0.007	0.007	0.007	0.006	0.006	0.006	8.85
17) 13 1221-3	0.032	0.028	0.026	0.027	0.023	0.023	0.026	13.08
18) 14 1254-1	0.050	0.043	0.039	0.040	0.036	0.035	0.041	13.23
19) 14 1254-2	0.085	0.073	0.067	0.070	0.063	0.062	0.070	12.27
20) 14 1254-3	0.086	0.075	0.071	0.076	0.070	0.069	0.075	8.28
21) 14 1254-4	0.062	0.055	0.052	0.054	0.049	0.048	0.053	9.62
22) 14 1254-5	0.080	0.072	0.069	0.073	0.068	0.067	0.071	6.64
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.017	0.017	0.016	0.014	0.013	0.013	0.015	12.12
25) 16 1242-2	0.044	0.041	0.037	0.032	0.031	0.029	0.036	16.90
26) 16 1242-3	0.074	0.067	0.065	0.060	0.059	0.058	0.064	9.62
27) 16 1242-4	0.027	0.024	0.024	0.021	0.021	0.020	0.023	11.96
28) 16 1242-5	0.025	0.023	0.023	0.020	0.020	0.019	0.022	10.85
29) 19 1268-1	0.166	0.147	0.150	0.141	0.145	0.142	0.148	6.27
30) 19 1268-2	0.180	0.156	0.158	0.148	0.151	0.148	0.157	7.63
31) 19 1268-3	0.110	0.100	0.101	0.094	0.097	0.096	0.100	5.71
32) 19 1268-4	0.044	0.046	0.049	0.046	0.047	0.046	0.046	3.26
33) 19 1268-5	0.333	0.281	0.297	0.283	0.294	0.286	0.296	6.49
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.054	0.055	0.051	0.049	0.047	0.048	0.051	6.37
36) 17 1248-2	0.043	0.042	0.039	0.036	0.034	0.034	0.038	10.22



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.065	0.060	0.058	0.053	0.051	0.051	0.056	9.53
38) 17 1248-4	0.052	0.049	0.048	0.044	0.044	0.045	0.047	6.35
39) 17 1248-5	0.043	0.041	0.040	0.038	0.038	0.038	0.040	5.65
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.026	0.022	0.020	0.018	0.018	0.017	0.020	16.89
42) 15 1232-2	0.024	0.021	0.022	0.019	0.017	0.017	0.020	13.78
43) 15 1232-3	0.039	0.038	0.037	0.035	0.033	0.035	0.036	6.49
44) 15 1232-4	0.017	0.018	0.017	0.015	0.015	0.015	0.016	9.16
45) 15 1232-5	0.012	0.012	0.012	0.011	0.010	0.010	0.011	8.20
46) 18 1262-1	0.058	0.055	0.053	0.049	0.047	0.049	0.052	7.75
47) 18 1262-2	0.073	0.070	0.067	0.063	0.061	0.064	0.066	6.94
48) 18 1262-3	0.056	0.061	0.059	0.056	0.055	0.058	0.058	4.16
49) 18 1262-4	0.119	0.125	0.123	0.119	0.120	0.126	0.122	2.45
50) 18 1262-5	0.037	0.037	0.038	0.036	0.035	0.037	0.037	2.44



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Signal #2 Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.022	1.030	1.076	1.057	0.976	1.079	1.040	3.75
3) s Decachlorobip	0.816	0.706	0.715	0.704	0.639	0.706	0.714	7.98
4) 11 1016-1	0.024	0.021	0.021	0.019	0.017	0.018	0.020	13.31
5) 11 1016-2	0.050	0.047	0.047	0.043	0.038	0.040	0.044	10.89
6) 11 1016-3	0.051	0.048	0.049	0.046	0.042	0.046	0.047	6.43
7) 11 1016-4	0.036	0.035	0.035	0.032	0.029	0.031	0.033	8.48
8) 11 1016-5	0.031	0.029	0.029	0.027	0.024	0.025	0.027	9.63
9) 12 1260-1	0.060	0.055	0.055	0.052	0.047	0.051	0.053	8.60
10) 12 1260-2	0.069	0.065	0.065	0.061	0.055	0.060	0.063	7.63
11) 12 1260-3	0.052	0.051	0.052	0.050	0.045	0.049	0.050	5.39
12) 12 1260-4	0.103	0.104	0.106	0.105	0.095	0.105	0.103	3.79
13) 12 1260-5	0.072	0.071	0.072	0.069	0.064	0.071	0.070	4.47
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.015	0.013	0.012	0.012	0.011	0.010	0.012	12.85
16) 13 1221-2	0.010	0.008	0.008	0.008	0.007	0.006	0.008	15.13
17) 13 1221-3	0.034	0.030	0.028	0.028	0.025	0.023	0.028	13.75
18) 14 1254-1	0.053	0.046	0.043	0.044	0.040	0.038	0.044	11.82
19) 14 1254-2	0.067	0.056	0.050	0.051	0.046	0.044	0.053	15.45
20) 14 1254-3	0.081	0.073	0.068	0.072	0.066	0.064	0.071	8.60
21) 14 1254-4	0.056	0.052	0.049	0.052	0.047	0.046	0.050	7.62
22) 14 1254-5	0.076	0.071	0.067	0.071	0.065	0.063	0.069	7.08
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.017	0.017	0.015	0.014	0.013	0.016	16.33
25) 16 1242-2	0.043	0.039	0.037	0.033	0.032	0.030	0.036	14.11
26) 16 1242-3	0.044	0.039	0.038	0.035	0.034	0.034	0.038	10.72
27) 16 1242-4	0.029	0.024	0.024	0.021	0.021	0.020	0.023	14.38
28) 16 1242-5	0.027	0.023	0.023	0.021	0.020	0.019	0.022	12.64
29) 19 1268-1	0.152	0.132	0.135	0.124	0.128	0.124	0.133	7.91
30) 19 1268-2	0.149	0.130	0.133	0.123	0.127	0.124	0.131	7.29
31) 19 1268-3	0.101	0.086	0.088	0.081	0.084	0.082	0.087	8.29
32) 19 1268-4	0.043	0.041	0.043	0.039	0.040	0.039	0.041	4.12
33) 19 1268-5	0.263	0.238	0.249	0.236	0.244	0.238	0.245	4.08
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.029	0.028	0.027	0.026	0.025	0.028	8.32
36) 17 1248-2	0.041	0.039	0.036	0.034	0.032	0.031	0.035	11.39



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Signal #2 Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.049	0.046	0.044	0.041	0.039	0.039	0.043	9.35
38) 17 1248-4	0.052	0.051	0.048	0.047	0.044	0.044	0.048	7.21
39) 17 1248-5	0.057	0.055	0.053	0.051	0.048	0.048	0.052	6.91
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.023	0.023	0.022	0.020	0.018	0.018	0.021	11.22
42) 15 1232-2	0.023	0.023	0.022	0.020	0.019	0.018	0.021	10.09
43) 15 1232-3	0.024	0.022	0.022	0.020	0.020	0.020	0.021	7.24
44) 15 1232-4	0.014	0.013	0.013	0.011	0.011	0.011	0.012	10.05
45) 15 1232-5	0.013	0.012	0.012	0.011	0.011	0.011	0.012	9.15
46) 18 1262-1	0.049	0.047	0.046	0.042	0.040	0.041	0.044	8.47
47) 18 1262-2	0.069	0.063	0.062	0.057	0.056	0.057	0.061	8.50
48) 18 1262-3	0.057	0.058	0.056	0.052	0.052	0.053	0.055	4.85
49) 18 1262-4	0.103	0.106	0.104	0.100	0.099	0.101	0.102	2.64
50) 18 1262-5	0.035	0.035	0.036	0.034	0.033	0.034	0.035	2.44



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.840	1.624	1.528	1.377	1.453	1.347	1.528	11.98
3) s Decachlorobiphenyl	1.781	1.325	1.193	1.042	1.073	0.983	*L	0.9974
4) 11 1016-1	0.036	0.031	0.030	0.026	0.026	0.023	0.029	16.24
5) 11 1016-2	0.082	0.069	0.065	0.055	0.055	0.049	0.062	19.00
6) 11 1016-3	0.149	0.129	0.121	0.107	0.110	0.100	0.119	15.01
7) 11 1016-4	0.061	0.057	0.054	0.046	0.048	0.043	0.052	13.27
8) 11 1016-5	0.068	0.058	0.056	0.049	0.050	0.044	0.054	15.63
9) 12 1260-1	0.102	0.082	0.076	0.066	0.067	0.061	0.076	19.85
10) 12 1260-2	0.154	0.126	0.116	0.101	0.103	0.093	0.115	19.31
11) 12 1260-3	0.090	0.078	0.073	0.064	0.065	0.059	0.072	15.91
12) 12 1260-4	0.200	0.162	0.150	0.135	0.141	0.131	0.153	16.62
13) 12 1260-5	0.104	0.088	0.082	0.072	0.074	0.068	0.082	16.17
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.023	0.018	0.017	0.015		0.019	15.21
16) 13 1221-2	0.010	0.014	0.011	0.010	0.010		0.011	17.65
17) 13 1221-3	0.047	0.053	0.043	0.037	0.034		0.043	18.02
18) 14 1254-1	0.074	0.078	0.060	0.051	0.048	0.041	*Q	0.9949
19) 14 1254-2	0.137	0.134	0.103	0.088	0.083	0.071	*Q	0.9953
20) 14 1254-3	0.121	0.125	0.097	0.085	0.081	0.070	*Q	0.9960
21) 14 1254-4	0.096	0.101	0.079	0.069	0.065	0.056	*Q	0.9960
22) 14 1254-5	0.140	0.139	0.109	0.095	0.090	0.078	*Q	0.9963
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.030	0.025	0.025	0.023	0.020	0.018	0.024	17.63
25) 16 1242-2	0.133	0.107	0.105	0.094	0.084	0.079	0.100	19.34
26) 16 1242-3	0.042	0.046	0.046	0.043	0.037	0.035	0.042	11.40
27) 16 1242-4	0.063	0.050	0.050	0.046	0.040	0.037	0.048	19.65
28) 16 1242-5	0.042	0.035	0.035	0.032	0.028	0.026	0.033	17.07
29) 19 1268-1	0.321	0.224	0.215	0.197	0.180	0.172	*L	0.9970
30) 19 1268-2	0.313	0.225	0.216	0.198	0.180	0.172	*L	0.9969
31) 19 1268-3	0.215	0.156	0.149	0.136	0.123	0.117	*L	0.9964
32) 19 1268-4	0.108	0.082	0.079	0.071	0.064	0.060	*L	0.9950
33) 19 1268-5	0.618	0.415	0.402	0.377	0.347	0.333	*L	0.9980
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.041	0.039	0.036	0.029	0.033	0.027	0.034	16.16
36) 17 1248-2	0.057	0.056	0.049	0.041	0.044	0.038	0.048	16.77



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.088	0.082	0.072	0.062	0.066	0.058	0.071	16.56
38) 17 1248-4	0.068	0.069	0.060	0.051	0.055	0.049	0.059	14.86
39) 17 1248-5	0.061	0.066	0.057	0.047	0.051	0.045	0.055	14.70
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.040	0.036	0.036	0.030	0.027	0.025	0.032	18.07
42) 15 1232-2	0.041	0.035	0.035	0.030	0.027	0.024	0.032	19.55
43) 15 1232-3	0.077	0.067	0.066	0.056	0.052	0.048	0.061	17.45
44) 15 1232-4	0.034	0.029	0.029	0.026	0.023	0.021	0.027	16.56
45) 15 1232-5	0.024	0.020	0.020	0.018	0.016	0.015	0.019	17.06
46) 18 1262-1	0.112	0.096	0.090	0.076	0.070		*L	0.9920
47) 18 1262-2	0.173	0.126	0.113	0.093	0.087		*L	0.9923
48) 18 1262-3	0.127	0.104	0.098	0.082	0.077		*L	0.9932
49) 18 1262-4	0.241	0.191	0.180	0.156	0.150		*L	0.9966
50) 18 1262-5	0.086	0.073	0.069	0.059	0.055		*L	0.9931



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008619
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST23	Ical Ref	: ICAL16474
Calibration dates	: 01/29/20 18:49 01/30/20 22:53		

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.593	1.421	1.332	1.261	1.378	1.307	1.382	8.51
3) s Decachlorobip	1.681	1.312	1.188	1.080	1.145	1.076	1.247	18.42
4) 11 1016-1	0.031	0.028	0.027	0.024	0.025	0.022	0.026	11.60
5) 11 1016-2	0.072	0.064	0.059	0.053	0.055	0.050	0.059	13.55
6) 11 1016-3	0.138	0.118	0.114	0.104	0.111	0.103	0.115	11.12
7) 11 1016-4	0.055	0.047	0.045	0.041	0.043	0.039	0.045	12.58
8) 11 1016-5	0.045	0.038	0.038	0.035	0.036	0.033	0.038	11.16
9) 12 1260-1	0.099	0.079	0.076	0.068	0.071	0.066	0.077	15.38
10) 12 1260-2	0.117	0.095	0.088	0.080	0.084	0.079	0.091	15.45
11) 12 1260-3	0.096	0.080	0.076	0.069	0.073	0.068	0.077	13.68
12) 12 1260-4	0.193	0.162	0.153	0.142	0.154	0.147	0.158	11.41
13) 12 1260-5	0.137	0.116	0.111	0.101	0.107	0.101	0.112	12.25
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.020	0.021	0.016	0.015	0.014		0.017	16.92
16) 13 1221-2	0.013	0.013	0.011	0.010	0.009		0.011	15.13
17) 13 1221-3	0.047	0.048	0.039	0.035	0.033		0.040	17.44
18) 14 1254-1	0.074	0.079	0.063	0.056	0.054	0.050	*L	0.9924
19) 14 1254-2	0.092	0.094	0.072	0.064	0.062	0.057	*L	0.9920
20) 14 1254-3	0.114	0.120	0.096	0.085	0.084	0.079	*L	0.9945
21) 14 1254-4	0.087	0.092	0.072	0.065	0.064	0.060	*L	0.9940
22) 14 1254-5	0.124	0.132	0.105	0.094	0.092	0.086	*L	0.9940
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.027	0.022	0.023	0.021	0.019	0.017	0.022	16.41
25) 16 1242-2	0.063	0.051	0.051	0.048	0.042	0.039	0.049	17.68
26) 16 1242-3	0.123	0.095	0.096	0.090	0.082	0.079	0.094	16.48
27) 16 1242-4	0.042	0.033	0.033	0.033	0.028	0.026	0.033	16.88
28) 16 1242-5	0.039	0.032	0.033	0.031	0.028	0.026	0.031	13.91
29) 19 1268-1	0.301	0.217	0.218	0.205	0.193	0.190	*L	0.9992
30) 19 1268-2	0.287	0.215	0.217	0.203	0.190	0.187	*L	0.9989
31) 19 1268-3	0.200	0.149	0.147	0.138	0.129	0.127	*L	0.9989
32) 19 1268-4	0.110	0.077	0.077	0.073	0.066	0.064	*L	0.9978
33) 19 1268-5	0.589	0.413	0.413	0.403	0.382	0.382	*L	0.9997
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.040	0.036	0.032	0.029	0.031	0.028	0.033	13.55
36) 17 1248-2	0.050	0.048	0.043	0.037	0.040	0.035	0.042	13.89



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Ical Ref : ICAL16474
Calibration dates : 01/29/20 18:49 01/30/20 22:53	

Signal #2 Calibration Files

1 =23200129ical-22.D 2 =23200129ical-05.D 3 =23200129ical-06.D 4 =23200129ical-07.D
 5 =23200129ical-08.D 6 =23200129ical-27.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.061	0.059	0.053	0.045	0.049	0.044	0.052	13.69
38) 17 1248-4	0.065	0.064	0.058	0.050	0.056	0.050	0.057	11.36
39) 17 1248-5	0.072	0.072	0.064	0.056	0.061	0.056	0.063	11.30
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.039	0.033	0.032	0.028	0.026	0.024	0.030	18.61
42) 15 1232-2	0.039	0.034	0.034	0.029	0.027	0.025	0.031	17.27
43) 15 1232-3	0.071	0.059	0.060	0.053	0.050	0.047	0.057	15.18
44) 15 1232-4	0.023	0.020	0.019	0.017	0.016	0.015	0.018	15.25
45) 15 1232-5	0.021	0.019	0.018	0.017	0.016	0.015	0.017	13.01
46) 18 1262-1	0.090	0.077	0.074	0.064	0.060		0.073	16.26
47) 18 1262-2	0.127	0.106	0.102	0.088	0.085		0.102	16.62
48) 18 1262-3	0.121	0.101	0.097	0.085	0.081		0.097	16.30
49) 18 1262-4	0.219	0.185	0.178	0.159	0.156		0.179	14.09
50) 18 1262-5	0.079	0.068	0.068	0.058	0.056		0.066	14.02



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Calibration Date : 02/28/20 08:56
Lab File ID : P7200228a-02	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1345407-1	Init. Calib. Times : 02:30 13:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	110	0
2,4,5,6-Tetrachloro-m-xylene	160	155.494	-	2.8	20	109	0
Decachlorobiphenyl	320	288.603	-	9.8	20	104	0
1016-1	2500	2234.747	-	10.6	20	105	0
1016-2	2500	2222.593	-	11.1	20	105	0
1016-3	2500	2071.168	-	17.2	20	93	0
1016-4	2500	2126.52	-	14.9	20	99	0
1016-5	2500	2155.091	-	13.8	20	100	0
1260-1	2500	2301.251	-	7.9	20	107	0
1260-2	2500	2103.431	-	15.9	20	97	0
1260-3	2500	2147.848	-	14.1	20	97	0
1260-4	2500	2057.713	-	17.7	20	92	0
1260-5	2500	2156.702	-	13.7	20	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Calibration Date : 02/28/20 08:56
Lab File ID : P7200228a-02	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1345407-1	Init. Calib. Times : 02:30 13:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	104	0
2,4,5,6-Tetrachloro-m-xylene	160	150.192	-	6.1	20	99	0
Decachlorobiphenyl #2	320	301.74	-	5.7	20	102	0
1016-1 #2	2500	2257.372	-	9.7	20	99	0
1016-2 #2	2500	2246.579	-	10.1	20	100	0
1016-3 #2	2500	2160.028	-	13.6	20	94	-.01
1016-4 #2	2500	2587.153	-	-3.5	20	114	0
1016-5 #2	2500	2378.455	-	4.9	20	105	-.01
1260-1 #2	2500	2507.317	-	-0.3	20	112	-.01
1260-2 #2	2500	2578.11	-	-3.1	20	114	-.01
1260-3 #2	2500	2521.39	-	-0.9	20	110	0
1260-4 #2	2500	2405.53	-	3.8	20	103	0
1260-5 #2	2500	2126.844	-	14.9	20	93	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Calibration Date : 03/01/20 09:10
Lab File ID : 21200301a-02	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1345881-1	Init. Calib. Times : 18:54 00:38
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	105	0
2,4,5,6-Tetrachloro-m-xylene	160	159.093	-	0.6	15	105	0
Decachlorobiphenyl	320	265.943	-	16.9*	15	87	0
1016-1	2500	2483.419	-	0.7	15	110	0
1016-2	2500	2352.091	-	5.9	15	104	0
1016-3	2500	2525.282	-	-1	15	108	0
1016-4	2500	2481.885	-	0.7	15	107	0
1016-5	2500	2487.635	-	0.5	15	106	0
1260-1	2500	2340.39	-	6.4	15	101	0
1260-2	2500	2387.854	-	4.5	15	101	0
1260-3	2500	2379.158	-	4.8	15	104	0
1260-4	2500	2433.581	-	2.7	15	102	0
1260-5	2500	2396.155	-	4.2	15	101	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Calibration Date : 03/01/20 09:10
Lab File ID : 21200301a-02	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1345881-1	Init. Calib. Times : 18:54 00:38
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	106	0
2,4,5,6-Tetrachloro-m-xylene	160	157.712	-	1.4	15	103	0
Decachlorobiphenyl #2	320	256.102	-	20*	15	86	.01
1016-1 #2	2500	2389.607	-	4.4	15	105	0
1016-2 #2	2500	2423.709	-	3.1	15	106	0
1016-3 #2	2500	2480.205	-	0.8	15	107	0
1016-4 #2	2500	2443.459	-	2.3	15	106	0
1016-5 #2	2500	2432.93	-	2.7	15	106	0
1260-1 #2	2500	2402.105	-	3.9	15	104	0
1260-2 #2	2500	2437.736	-	2.5	15	106	0
1260-3 #2	2500	2396.789	-	4.1	15	102	0
1260-4 #2	2500	2420.853	-	3.2	15	100	0
1260-5 #2	2500	2333.583	-	6.7	15	99	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Calibration Date : 03/01/20 15:02
Lab File ID : 21200301a-23	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1345881-2	Init. Calib. Times : 18:54 00:38
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	112	0
2,4,5,6-Tetrachloro-m-xylene	160	158.547	-	0.9	15	112	0
Decachlorobiphenyl	320	253.426	-	20.8*	15	89	0
1016-1	2500	2418.259	-	3.3	15	114	0
1016-2	2500	2309.915	-	7.6	15	110	0
1016-3	2500	2497.535	-	0.1	15	114	0
1016-4	2500	2444.865	-	2.2	15	113	0
1016-5	2500	2452.227	-	1.9	15	112	0
1260-1	2500	2277.99	-	8.9	15	105	0
1260-2	2500	2311.306	-	7.5	15	105	0
1260-3	2500	2279.838	-	8.8	15	107	0
1260-4	2500	2319.486	-	7.2	15	104	0
1260-5	2500	2267.057	-	9.3	15	103	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Calibration Date : 03/01/20 15:02
Lab File ID : 21200301a-23	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1345881-2	Init. Calib. Times : 18:54 00:38
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	114	0
2,4,5,6-Tetrachloro-m-xylene	160	156.977	-	1.9	15	110	0
Decachlorobiphenyl #2	320	245.012	-	23.4*	15	89	0
1016-1 #2	2500	2297.388	-	8.1	15	109	0
1016-2 #2	2500	2370.919	-	5.2	15	112	0
1016-3 #2	2500	2444.482	-	2.2	15	114	0
1016-4 #2	2500	2399.191	-	4	15	112	0
1016-5 #2	2500	2384.439	-	4.6	15	112	0
1260-1 #2	2500	2322.555	-	7.1	15	109	0
1260-2 #2	2500	2304.806	-	7.8	15	107	0
1260-3 #2	2500	2249.241	-	10	15	103	0
1260-4 #2	2500	2243.847	-	10.2	15	100	0
1260-5 #2	2500	2176.677	-	12.9	15	100	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 03/02/20 08:17
Lab File ID : P2200302a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1346069-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	147	0
2,4,5,6-Tetrachloro-m-xylene	16	15.425	-	3.6	20	143	0
Decachlorobiphenyl	32	29.915	-	6.5	20	145	-.01
1016-1	250	245.636	-	1.7	20	150	0
1016-2	250	216.79	-	13.3	20	128	0
1016-3	250	228.985	-	8.4	20	144	0
1016-4	250	251.652	-	-0.7	20	150	-.01
1016-5	250	267.504	-	-7	20	158	-.01
1260-1	250	242.374	-	3.1	20	149	0
1260-2	250	253.663	-	-1.5	20	153	0
1260-3	250	238.228	-	4.7	20	146	0
1260-4	250	247.418	-	1	20	151	0
1260-5	250	217.607	-	13	20	142	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 03/02/20 08:17
Lab File ID : P2200302a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1346069-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	113	0
2,4,5,6-Tetrachloro-m-xylene	16	16.043	-	-0.3	20	119	0
Decachlorobiphenyl #2	32	32.351	-	-1.1	20	125	-0.3
1016-1 #2	250	252.327	-	-0.9	20	122	-0.1
1016-2 #2	250	256.383	-	-2.6	20	122	-0.1
1016-3 #2	250	249.877	-	0	20	119	-0.1
1016-4 #2	250	252.462	-	-1	20	116	-0.1
1016-5 #2	250	241.876	-	3.2	20	116	-0.1
1260-1 #2	250	263.94	-	-5.6	20	134	-0.1
1260-2 #2	250	263.951	-	-5.6	20	132	-0.1
1260-3 #2	250	257.574	-	-3	20	127	-0.1
1260-4 #2	250	257.146	-	-2.9	20	125	-0.1
1260-5 #2	250	237.153	-	5.1	20	122	-0.1

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 03/02/20 08:20
Lab File ID : 23200302a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1346106-1	Init. Calib. Times : 18:49 22:53
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	92	0
2,4,5,6-Tetrachloro-m-xylene	160	141.816	-	11.4	15	90	0
Decachlorobiphenyl	320	298.36	-	6.8	15	86	0
1016-1	2500	2333.604	-	6.7	15	94	0
1016-2	2500	2241.923	-	10.3	15	93	0
1016-3	2500	2258.54	-	9.7	15	93	0
1016-4	2500	2257.732	-	9.7	15	93	0
1016-5	2500	2347.961	-	6.1	15	95	0
1260-1	2500	2194.408	-	12.2	15	92	0
1260-2	2500	2187.908	-	12.5	15	92	0
1260-3	2500	2198.424	-	12.1	15	91	0
1260-4	2500	2186.818	-	12.5	15	91	0
1260-5	2500	2144.421	-	14.2	15	89	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST23	Calibration Date : 03/02/20 08:20
Lab File ID : 23200302a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1346106-1	Init. Calib. Times : 18:49 22:53
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	115	0
2,4,5,6-Tetrachloro-m-xylene	160	149.224	-	6.7	15	117	0
Decachlorobiphenyl #2	320	221.422	-	30.8*	15	92	0
1016-1 #2	2500	2472.216	-	1.1	15	123	0
1016-2 #2	2500	2372.519	-	5.1	15	120	0
1016-3 #2	2500	2353.034	-	5.9	15	119	0
1016-4 #2	2500	2401.763	-	3.9	15	121	0
1016-5 #2	2500	2369.001	-	5.2	15	118	0
1260-1 #2	2500	2232.561	-	10.7	15	115	0
1260-2 #2	2500	2194.085	-	12.2	15	114	0
1260-3 #2	2500	2127.058	-	14.9	15	109	0
1260-4 #2	2500	2075.478	-	17*	15	106	0
1260-5 #2	2500	2023.035	-	19.1*	15	103	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008619
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST7 **Initial Calib. Date(s)** : 07/28/19 07/28/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1214573-1	07/28/19 02:30
1242/1268 L2	R1214573-2	07/28/19 02:43
1242/1268 L3	R1214573-6	07/28/19 02:56
1242/1268 L4	R1214573-3	07/28/19 03:09
1242/1268 L5	R1214573-4	07/28/19 03:22
1242/1268 L6	R1214573-5	07/28/19 03:35
1232/1262 L1	R1214573-7	07/28/19 03:48
1232/1262 L2	R1214573-8	07/28/19 04:01
1232/1262 L3	R1214573-12	07/28/19 04:14
1232/1262 L4	R1214573-13	07/28/19 09:12
1232/1262 L5	R1214573-14	07/28/19 09:24
1232/1262 L6	R1214573-15	07/28/19 09:37
1248 L1	R1214573-9	07/28/19 09:50
1248 L2	R1214573-10	07/28/19 10:03
1248 L3	R1214573-11	07/28/19 10:16
1248 L4	R1214573-16	07/28/19 10:29
1248 L5	R1214573-17	07/28/19 10:42
1248 L6	R1214573-18	07/28/19 10:55
1221/1254 L1	R1214573-20	07/28/19 11:08
1221/1254 L2	R1214573-19	07/28/19 11:21
1221/1254 L3	R1214573-21	07/28/19 11:34
1221/1254 L4	R1214573-22	07/28/19 11:47
1221/1254 L5	R1214573-24	07/28/19 12:00
1221/1254 L6	R1214573-23	07/28/19 12:13
1016/1260 L1	R1214573-25	07/28/19 12:26
1016/1260 L2	R1214573-26	07/28/19 12:39
1016/1260 L3	R1214573-27	07/28/19 12:52
1016/1260 L4	R1214573-28	07/28/19 13:05
1016/1260 L5	R1214573-29	07/28/19 13:18
1016/1260 L6	R1214573-30	07/28/19 13:31
R1214573-31 ICV	R1214573-31	07/28/19 13:44
R1214573-32 ICV	R1214573-32	07/28/19 13:57
R1214573-33 ICV	R1214573-33	07/28/19 14:10
R1214573-34 ICV	R1214573-34	07/28/19 14:23
R1214573-35 ICV	R1214573-35	07/28/19 14:36
WG1345407-1 CCAL	WG1345407-1	02/28/20 08:56
WG1345284-1 BLANK	WG1345284-1	02/28/20 14:42
WG1345284-2 LCS	WG1345284-2	02/28/20 14:54
WG1345284-3 LCSD	WG1345284-3	02/28/20 15:06



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008619
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST23 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279800-1	01/29/20 18:49
1242/1268 L2	R1279800-2	01/29/20 18:56
1242/1268 L3	R1279800-4	01/29/20 19:02
1242/1268 L4	R1279800-3	01/29/20 19:09
1242/1268 L5	R1279800-6	01/29/20 19:16
1242/1268 L6	R1279800-5	01/29/20 19:23
1232/1262 L1	R1279800-7	01/29/20 19:30
1232/1262 L2	R1279800-8	01/29/20 19:37
1232/1262 L3	R1279800-9	01/29/20 19:43
1232/1262 L4	R1279800-10	01/29/20 19:50
1232/1262 L5	R1279800-12	01/29/20 19:57
1232 L6	R1279800-11	01/29/20 20:04
1248 L1	R1279800-14	01/29/20 20:10
1248 L2	R1279800-13	01/29/20 20:17
1248 L3	R1279800-16	01/29/20 20:24
1248 L4	R1279800-15	01/29/20 20:31
1248 L5	R1279800-18	01/29/20 20:37
1248 L6	R1279800-17	01/29/20 20:44
1221/1254 L1	R1279800-19	01/29/20 20:51
1221/1254 L2	R1279800-20	01/29/20 20:58
1221/1254 L4	R1279800-22	01/29/20 21:11
1221/1254 L5	R1279800-23	01/29/20 21:18
1254 L6	R1279800-21	01/29/20 21:25
1016/1260 L1	R1279800-24	01/29/20 21:32
1016/1260 L2	R1279800-25	01/29/20 21:38
1016/1260 L3	R1279800-27	01/29/20 21:45
1016/1260 L4	R1279800-26	01/29/20 21:52
1016/1260 L5	R1279800-28	01/29/20 21:58
1016/1260 L6	R1279800-29	01/29/20 22:05
R1279800-30 ICV	R1279800-30	01/29/20 22:12
R1279800-31 ICV	R1279800-31	01/29/20 22:19
R1279800-33 ICV	R1279800-33	01/29/20 22:25
R1279800-32 ICV	R1279800-32	01/29/20 22:39
1221/1254 L3	R1279800-35	01/30/20 22:53
R1279800-34 ICV	R1279800-34	01/30/20 23:00
WG1346106-1 CCAL	WG1346106-1	03/02/20 08:20
E-135-0.5-1.0	L2008619-07 D	03/02/20 13:48



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008619
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST21 **Initial Calib. Date(s)** : 11/25/19 11/26/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1261677-1	11/25/19 18:54
1242/1268 L2	R1261677-2	11/25/19 19:06
1242/1268 L3	R1261677-3	11/25/19 19:17
1242/1268 L4	R1261677-4	11/25/19 19:29
1242/1268 L5	R1261677-6	11/25/19 19:41
1242/1268 L6	R1261677-5	11/25/19 19:53
1232/1262 L1	R1261677-8	11/25/19 20:05
1232/1262 L2	R1261677-7	11/25/19 20:17
1232/1262 L3	R1261677-14	11/25/19 20:29
1232/1262 L4	R1261677-9	11/25/19 20:40
1232/1262 L5	R1261677-10	11/25/19 20:52
1232/1262 L6	R1261677-12	11/25/19 21:04
1248 L1	R1261677-11	11/25/19 21:16
1248 L2	R1261677-17	11/25/19 21:28
1248 L3	R1261677-19	11/25/19 21:40
1248 L4	R1261677-21	11/25/19 21:52
1248 L5	R1261677-20	11/25/19 22:03
1248 L6	R1261677-13	11/25/19 22:15
1221/1254 L1	R1261677-15	11/25/19 22:27
1221/1254 L2	R1261677-16	11/25/19 22:39
1221/1254 L3	R1261677-18	11/25/19 22:51
1221/1254 L4	R1261677-23	11/25/19 23:03
1221/1254 L5	R1261677-22	11/25/19 23:15
1221/1254 L6	R1261677-25	11/25/19 23:26
1016/1260 L1	R1261677-26	11/25/19 23:38
1016/1260 L2	R1261677-24	11/25/19 23:50
1016/1260 L3	R1261677-29	11/26/19 00:02
1016/1260 L4	R1261677-27	11/26/19 00:14
1016/1260 L5	R1261677-28	11/26/19 00:26
1016/1260 L6	R1261677-30	11/26/19 00:38
R1261677-31 ICV	R1261677-31	11/26/19 00:49
R1261677-32 ICV	R1261677-32	11/26/19 01:01
R1261677-34 ICV	R1261677-34	11/26/19 01:13
R1261677-33 ICV	R1261677-33	11/26/19 01:25
R1261677-35 ICV	R1261677-35	11/26/19 01:37
WG1345881-1 CCAL	WG1345881-1	03/01/20 09:10
E-203-0.5-1.0	L2008619-01	03/01/20 12:16
E-203-2.0-2.5	L2008619-02	03/01/20 12:28
E-134-0.5-1.0	L2008619-03	03/01/20 12:40
E-134-2.0-2.5	L2008619-04	03/01/20 12:52
X-12-02262020	L2008619-10	03/01/20 13:27
WG1345881-2 CCAL	WG1345881-2	03/01/20 15:02



**Analytical Sequence
Form 8b
PCBs**

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008619
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST21	Initial Calib. Date(s)	: 11/25/19 11/26/19

Client ID	Lab ID	Date/Time Analyzed
E-135-2.0-2.5	L2008619-08 D	03/01/20 21:06



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2008619
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1346069-1 CCAL	WG1346069-1	03/02/20 08:17
WG1345916-1 BLANK	WG1345916-1	03/02/20 10:33
WG1345916-2 LCS	WG1345916-2	03/02/20 10:46
WG1345916-3 LCSD	WG1345916-3	03/02/20 11:00
EB-14-02262020	L2008619-09	03/02/20 11:54



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2008619
 Project Number: 277710568.0008.06
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-14-02262020 (L2008619-09)	102	96	102	111			0
WG1345916-1BLANK	81	77	89	96			0
WG1345916-2LCS	65	57	46	73			0
WG1345916-3LCSD	78	73	80	84			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2008619
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-203-0.5-1.0 (L2008619-01)	68	68	53	64			0
E-203-2.0-2.5 (L2008619-02)	59	59	47	46			0
E-134-0.5-1.0 (L2008619-03)	78	79	64	63			0
E-134-2.0-2.5 (L2008619-04)	83	85	67	64			0
E-135-0.5-1.0 (L2008619-07D)	0*	0*	0*	0*			4
E-135-2.0-2.5 (L2008619-08D)	0*	0*	0*	0*			4
X-12-02262020 (L2008619-10)	67	67	64	67			0
WG1345284-1BLANK	74	77	78	80			0
WG1345284-2LCS	72	70	75	78			0
WG1345284-3LCSD	73	72	75	79			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008619
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1345284-2 Analysis Date : 02/28/20 14:54 File ID : P7200228a-13
 LCSD Sample ID : WG1345284-3 Analysis Date : 02/28/20 15:06 File ID : P7200228a-14

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.198	0.165	83	0.202	0.171	84	1	40-140	30
Aroclor 1260	0.198	0.172	87	0.202	0.176	87	0	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008619
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : WATER
 LCS Sample ID : WG1345916-2 Analysis Date : 03/02/20 10:46 File ID : P2200302a-07
 LCSD Sample ID : WG1345916-3 Analysis Date : 03/02/20 11:00 File ID : P2200302a-08

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	1.27	71	1.78	1.54	86	19	40-140	20
Aroclor 1260	1.78	1.12	63	1.78	1.33	75	17	40-140	20



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008619-01	
Client ID : E-203-0.5-1.0	
Date Analyzed (1) : 03/01/20 12:16	Date Analyzed (2) : 03/01/20 12:16
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.79	4.74	4.84	0.362		
	2	4.99	4.94	5.04	0.485		
COLUMN 1	3	5.45	5.41	5.51	0.472		
	4	5.67	5.62	5.72	0.58		
	5	5.86	5.82	5.92	0.578	0.495	
COLUMN 2	1	5.36	5.32	5.42	0.382		
	2	5.51	5.46	5.56	0.476		
	3	6.03	5.98	6.08	0.497		
	4	6.19	6.14	6.24	0.507		
	5	6.44	6.39	6.49	0.525	0.478	4



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008619-02	
Client ID : E-203-2.0-2.5	
Date Analyzed (1) : 03/01/20 12:28	Date Analyzed (2) : 03/01/20 12:28
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.79	4.74	4.84	0.411		
	2	4.99	4.94	5.04	0.572		
COLUMN 1	3	5.45	5.41	5.51	0.523		
	4	5.67	5.62	5.72	0.659		
	5	5.86	5.82	5.92	0.66	0.565	
COLUMN 2	1	5.36	5.32	5.42	0.422		
	2	5.51	5.46	5.56	0.59		
	3	6.03	5.98	6.08	0.561		
	4	6.19	6.14	6.24	0.598		
	5	6.44	6.39	6.49	0.635	0.561	1



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008619
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2008619-03		
Client ID	: E-134-0.5-1.0		
Date Analyzed (1)	: 03/01/20 12:40	Date Analyzed (2)	: 03/01/20 12:40
Instrument ID (1)	: PEST21	Instrument ID (2)	: PEST21
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.79	4.74	4.84	0.0576		
	2	4.99	4.94	5.04	0.0693		
COLUMN 1	3	5.45	5.41	5.51	0.0627		
	4	5.67	5.62	5.72	0.071		
	5	5.86	5.82	5.92	0.0714	0.0664	
COLUMN 2	1	5.36	5.32	5.42	0.0628		
	2	5.51	5.46	5.56	0.0679		
	3	6.03	5.98	6.08	0.0661		
	4	6.19	6.14	6.24	0.0686		
	5	6.44	6.39	6.49	0.0684	0.0668	1



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008619-07D	
Client ID : E-135-0.5-1.0	
Date Analyzed (1) : 03/02/20 13:48	Date Analyzed (2) : 03/02/20 13:48
Instrument ID (1) : PEST23	Instrument ID (2) : PEST23
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	2.27	2.22	2.32	4.92		
	2	2.39	2.34	2.44	6.37		
COLUMN 1	3	2.68	2.63	2.73	6.08		
	4	2.83	2.78	2.88	6.77		
	5	2.97	2.92	3.02	7.56	6.34	
COLUMN 2	1	2.72	2.67	2.77	4.9		
	2	2.82	2.77	2.87	6.56		
	3	3.19	3.14	3.24	6.61		
	4	3.32	3.27	3.37	6.63		
	5	3.52	3.47	3.57	6.85	6.31	0



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008619-08D	
Client ID : E-135-2.0-2.5	
Date Analyzed (1) : 03/01/20 21:06	Date Analyzed (2) : 03/01/20 21:06
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.79	4.74	4.84	1.76		
	2	5.00	4.94	5.04	2.21		
COLUMN 1	3	5.46	5.40	5.50	1.96		
	4	5.67	5.62	5.72	2.15		
	5	5.87	5.81	5.91	2.21	2.06	
COLUMN 2	1	5.37	5.31	5.41	1.83		
	2	5.51	5.46	5.56	2.17		
	3	6.03	5.98	6.08	2.08		
	4	6.20	6.14	6.24	1.95		
	5	6.45	6.39	6.49	2.05	2.02	2



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008619-10	
Client ID : X-12-02262020	
Date Analyzed (1) : 03/01/20 13:27	Date Analyzed (2) : 03/01/20 13:27
Instrument ID (1) : PEST21	Instrument ID (2) : PEST21
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.79	4.74	4.84	0.169		
	2	4.99	4.94	5.04	0.193		
COLUMN 1	3	5.45	5.41	5.51	0.183		
	4	5.67	5.62	5.72	0.256		
	5	5.86	5.82	5.92	0.259	0.212	
COLUMN 2	1	5.36	5.32	5.42	0.191		
	2	5.51	5.46	5.56	0.209		
	3	6.03	5.98	6.08	0.232		
	4	6.19	6.14	6.24	0.248		
	5	6.44	6.39	6.49	0.276	0.231	9



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
 Data File : P2200302a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 11:54 am
 Operator : pest2:ht
 Sample : l2008619-09,42e,,
 Misc : wgl1346069,wgl1345916,ical16010
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 23:09:45 2020
 Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.092	2.281	84557528	56887050	25.000	25.000
Standard Area 1 : #1 = 115461021					Recovery =	73.23%
Standard Area 1 : #2 = 74707747					Recovery =	76.15%
14) i 2154_1br2nb	2.092	2.281	84557528	56887050	25.000	25.000
23) i 4268_1br2nb	2.092	2.281	84557528	56887050	25.000	25.000
34) i 1248_1br2nb	2.092	2.281	84557528	56887050	25.000	25.000
40) i 3262_1br2nb	2.092	2.281	84557528	56887050	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.571	2.921	70813280	45832077	20.411	19.121
Spiked Amount 20.000	Range 30 - 150				Recovery =	102.06% 95.60%
3) s Decachlorobi	6.569	7.273	67678769	41633091	20.321M4	22.219M4
Spiked Amount 20.000	Range 30 - 150				Recovery =	101.61% 111.10%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
 Data File : P2200302a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 11:54 am
 Operator : pest2:ht
 Sample : l2008619-09,42e,,
 Misc : wgl1346069,wgl1345916,ical16010
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 23:09:45 2020
 Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
 Data File : P2200302a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 11:54 am
 Operator : pest2:ht
 Sample : l2008619-09,42e,,
 Misc : wgl1346069,wgl1345916,ical16010
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 23:09:45 2020
 Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48)	18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49)	18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
Data File : P2200302a-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 Mar 2020 11:54 am
Operator : pest2:ht
Sample : l2008619-09,42e,,
Misc : wgl346069,wgl345916,ical16010
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 03 23:09:45 2020
Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-02.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

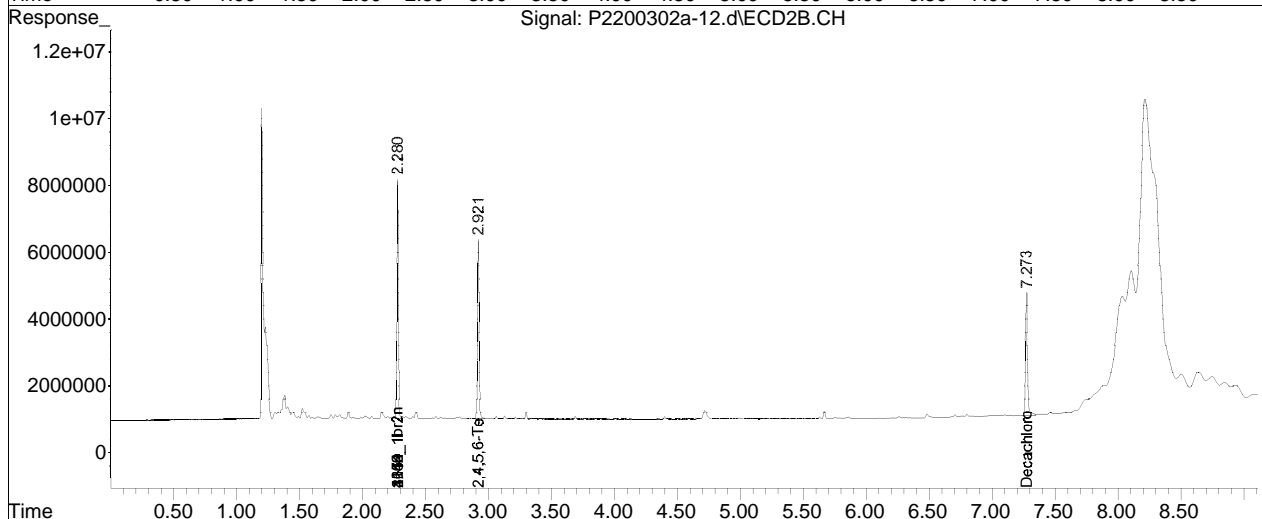
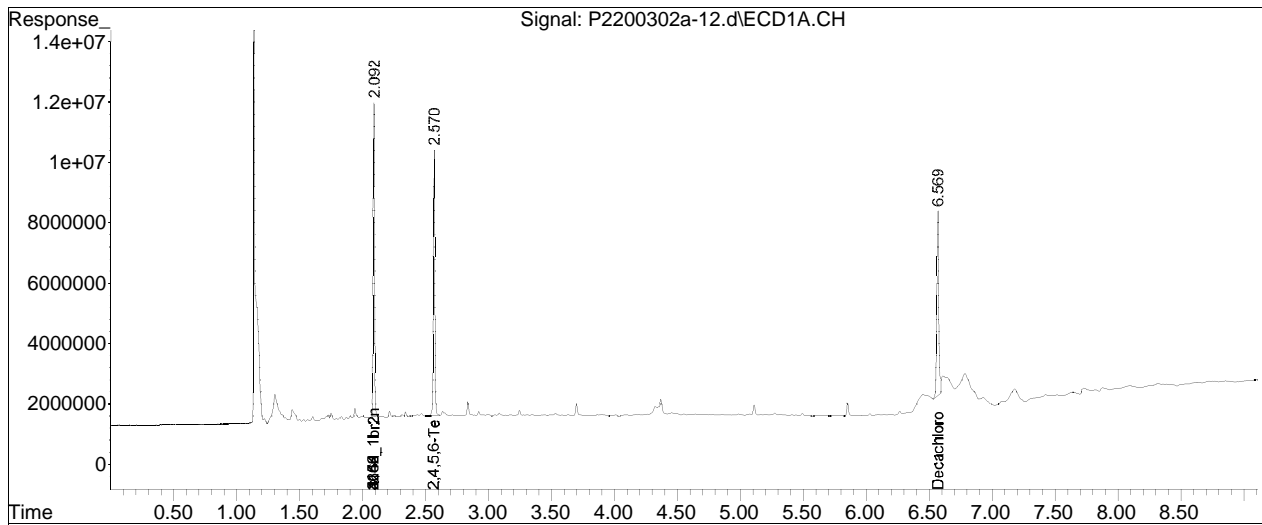
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200302A\
Data File : P2200302a-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 Mar 2020 11:54 am
Operator : pest2:ht
Sample : l2008619-09,42e,,
Misc : wg1346069,wg1345916,ical16010
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 03 23:09:45 2020
Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

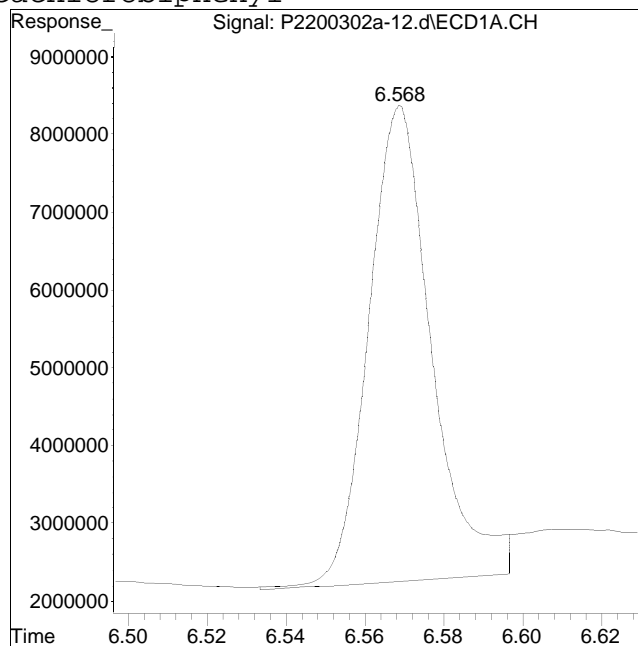
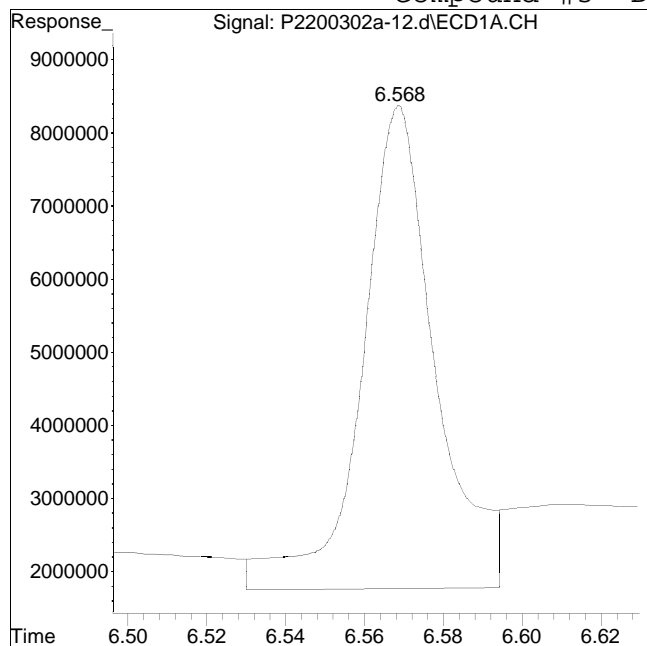


Manual Integration Report

Data Path : I:\Pest2\200302A\
Data File : P2200302a-12.d
Date Inj'd : 3/2/2020 11:54 am
Sample : 12008619-09,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ht
Instrument : PEST 2
Quant Date : 3/3/2020 11:17 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 84977527

Manual Peak Response = 67678769 M4

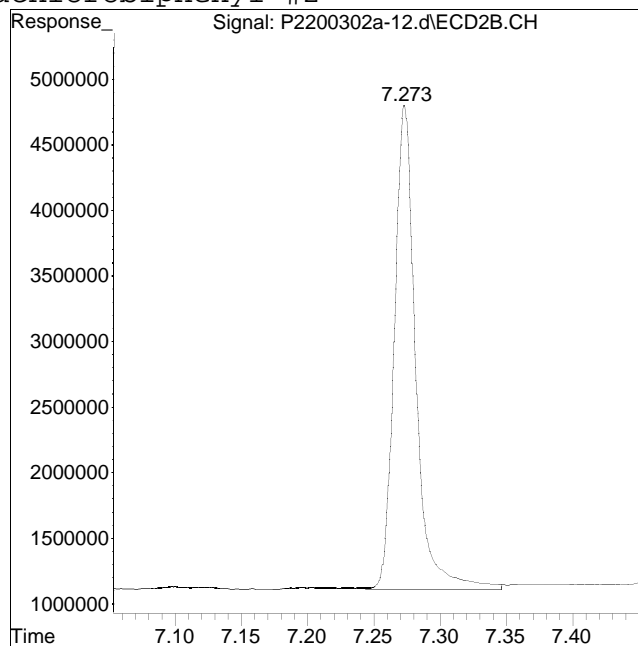
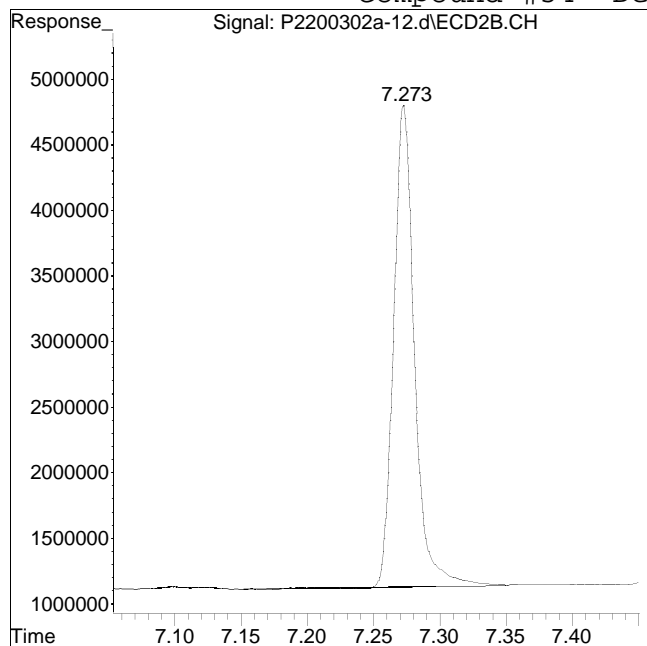
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest2\200302A\
Data File : P2200302a-12.d
Date Inj'd : 3/2/2020 11:54 am
Sample : 12008619-09,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ht
Instrument : PEST 2
Quant Date : 3/3/2020 11:17 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 40102271

Manual Peak Response = 41633091 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-09.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:16 pm
 Operator : pest21:ht
 Sample : l2008619-01,42e,,
 Misc : wgl345881,wgl345284,ical16334
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 22:52:01 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.090	2.199	157.5E6	295.7E6	250.000	250.000
Standard Area 1 : #1 = 159257831					Recovery =	98.93%
Standard Area 1 : #2 = 295608523					Recovery =	100.02%
14) i 2154_1br2nb	2.090	2.199	157.5E6	295.7E6	250.000	250.000
23) i 4268_1br2nb	2.090	2.199	157.5E6	295.7E6	250.000	250.000
34) i 1248_1br2nb	2.090	2.199	157.5E6	295.7E6	250.000	250.000
40) i 3262_1br2nb	2.090	2.199	157.5E6	295.7E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.576	2.832	221.5E6	415.3E6	338.253	337.656
Spiked Amount 500.000 Range 30 - 150					Recovery =	67.65%
3) s Decachlorobi	6.585	7.197	141.9E6	268.7E6	264.408	318.008M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	52.88%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.787	5.364	161.3E6	315.3E6	4736.785	4996.042
10) l2 1260-2	4.990	5.508	319.2E6	461.6E6	6333.624	6227.319
11) l2 1260-3	5.454	6.030	195.4E6	382.2E6	6167.004	6497.541
12) l2 1260-4	5.667	6.192	508.9E6	807.0E6	7575.115	6625.435
13) l2 1260-5	5.863	6.440	362.8E6	565.3E6	7557.218	6856.878
Sum 1260-1			1547.7E6	2531.4E6	32369.746	31203.216
Average 1260-1					6473.949	6240.643

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-09.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:16 pm
 Operator : pest21:ht
 Sample : l2008619-01,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 22:52:01 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-09.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:16 pm
 Operator : pest21:ht
 Sample : l2008619-01,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 22:52:01 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-09.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:16 pm
 Operator : pest21:ht
 Sample : l2008619-01,42e,,
 Misc : wg1345881,wg1345284,ical16334
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 22:52:01 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

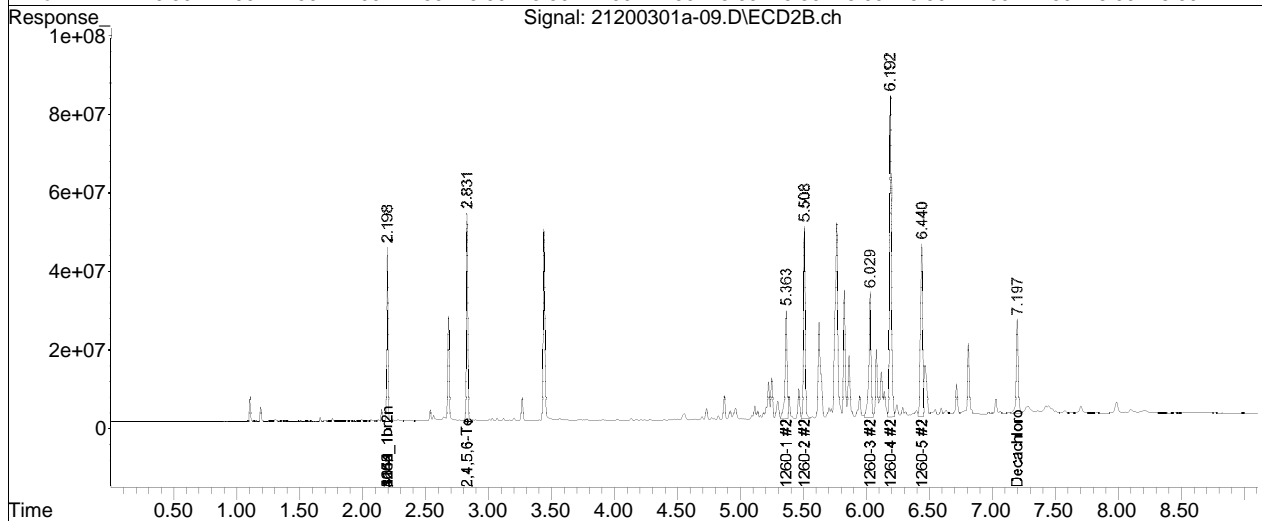
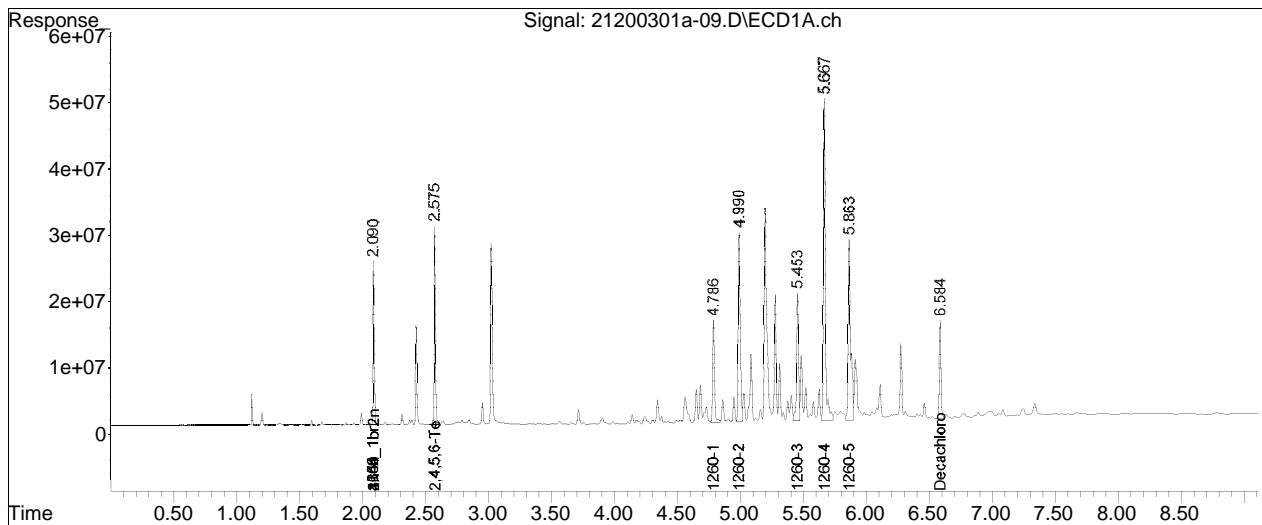
Sub List : Default - All compounds listed01a\21200301a-02.D**

Data Path : I:\Pest21\data\2020\21200301a\
Data File : 21200301a-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Mar 2020 12:16 pm
Operator : pest21:ht
Sample : 12008619-01,42e,,
Misc : wg1345881,wg1345284,ical16334
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 03 22:52:01 2020
Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

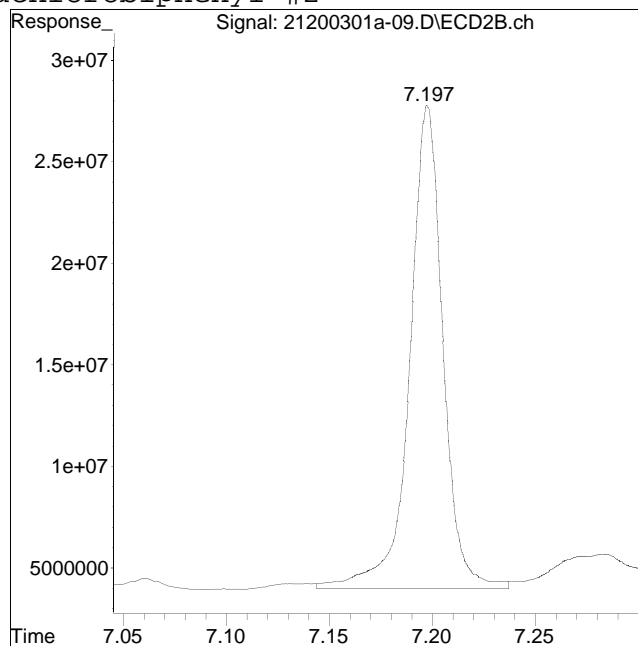
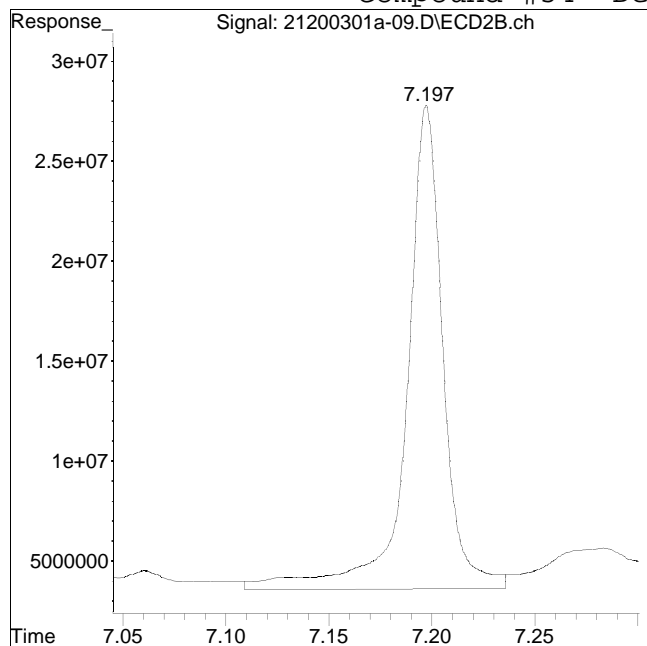
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-09.D Operator : pest21:ht
Date Inj'd : 3/1/2020 12:16 pm Instrument : Pest 21
Sample : 12008619-01,42e,, Quant Date : 3/1/2020 5:29 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 300559290

Manual Peak Response = 268681977 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-10.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:28 pm
 Operator : pest21:ht
 Sample : l2008619-02,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 22:52:34 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.090	2.198	162.1E6	300.4E6	250.000	250.000
Standard Area 1 : #1 = 159257831					Recovery =	101.79%
Standard Area 1 : #2 = 295608523					Recovery =	101.61%
14) i 2154_1br2nb	2.090	2.198	162.1E6	300.4E6	250.000	250.000
23) i 4268_1br2nb	2.090	2.198	162.1E6	300.4E6	250.000	250.000
34) i 1248_1br2nb	2.090	2.198	162.1E6	300.4E6	250.000	250.000
40) i 3262_1br2nb	2.090	2.198	162.1E6	300.4E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.575	2.831	199.7E6	370.4E6	296.441	296.359M2
Spiked Amount 500.000	Range 30 - 150		Recovery =		59.29%	59.27%
3) s Decachlorobi	6.585	7.197	129.4E6	198.6E6	234.387	231.320M2
Spiked Amount 500.000	Range 30 - 150		Recovery =		46.88%	46.26%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.787	5.364	180.9E6	339.7E6	5162.307	5298.620
10) l2 1260-2	4.991	5.508	372.8E6	558.8E6	7188.715	7420.244
11) l2 1260-3	5.454	6.030	214.4E6	421.1E6	6576.491	7045.997
12) l2 1260-4	5.667	6.192	572.8E6	930.7E6	8286.300	7520.892
13) l2 1260-5	5.863	6.440	409.5E6	668.5E6	8290.677	7980.699
Sum 1260-1			1750.4E6	2918.7E6	35504.490	35266.452
Average 1260-1					7100.898	7053.290

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-10.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:28 pm
 Operator : pest21:ht
 Sample : l2008619-02,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 22:52:34 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-10.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:28 pm
 Operator : pest21:ht
 Sample : l2008619-02,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 22:52:34 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-10.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:28 pm
 Operator : pest21:ht
 Sample : l2008619-02,42e,,
 Misc : wg1345881,wg1345284,ical16334
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 22:52:34 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

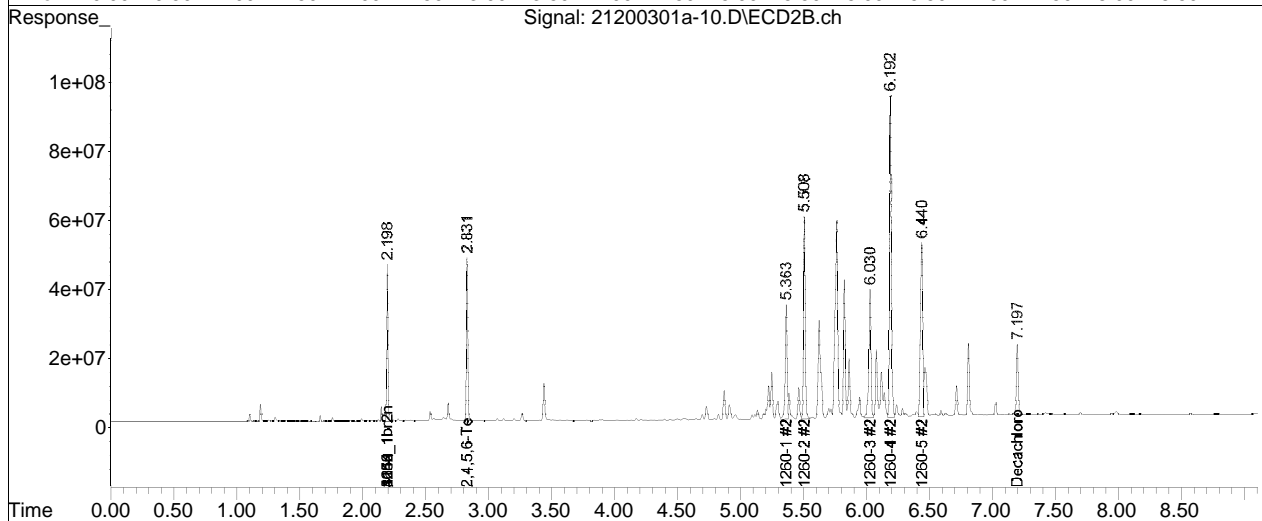
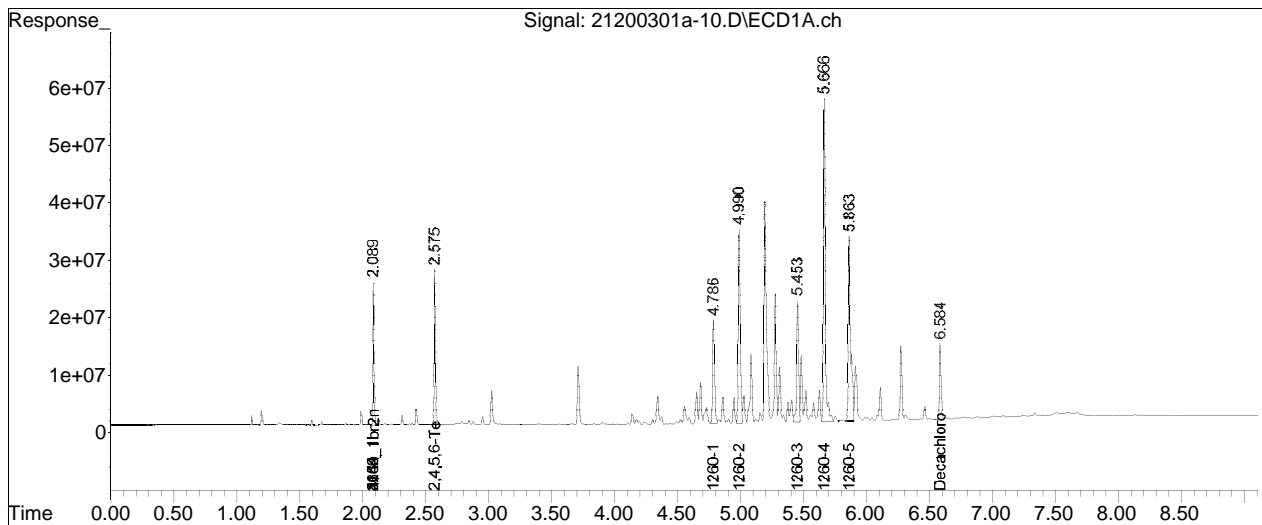
Sub List : Default - All compounds listed01a\21200301a-02.D••

Data Path : I:\Pest21\data\2020\21200301a\
Data File : 21200301a-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Mar 2020 12:28 pm
Operator : pest21:ht
Sample : l2008619-02,42e,,
Misc : wg1345881,wg1345284,ical16334
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 03 22:52:34 2020
Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

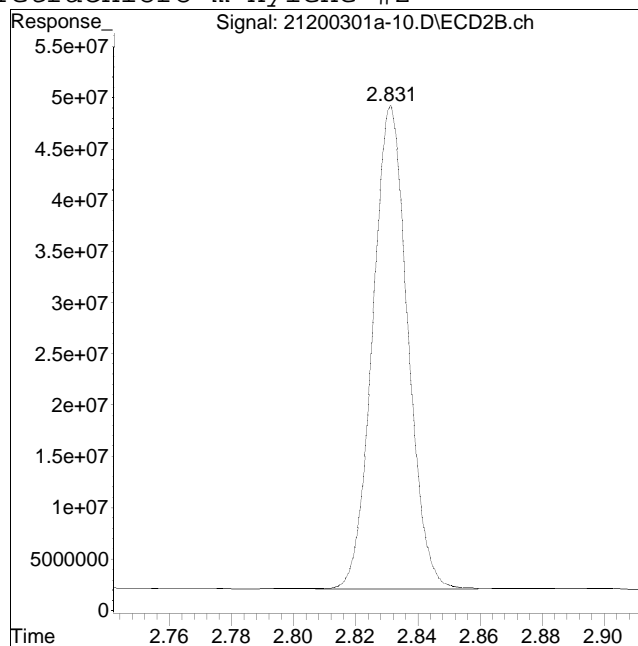
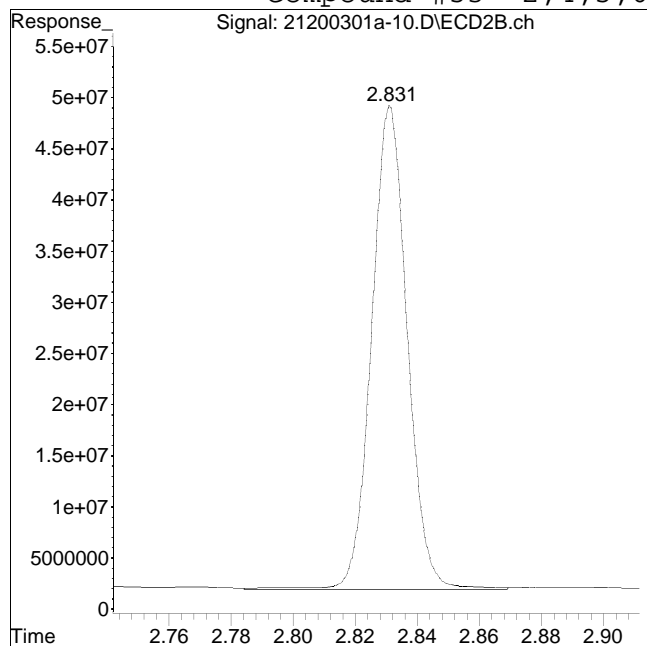
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-10.D Operator : pest21:ht
Date Inj'd : 3/1/2020 12:28 pm Instrument : Pest 21
Sample : 12008619-02,42e,, Quant Date : 3/1/2020 5:30 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 379916989

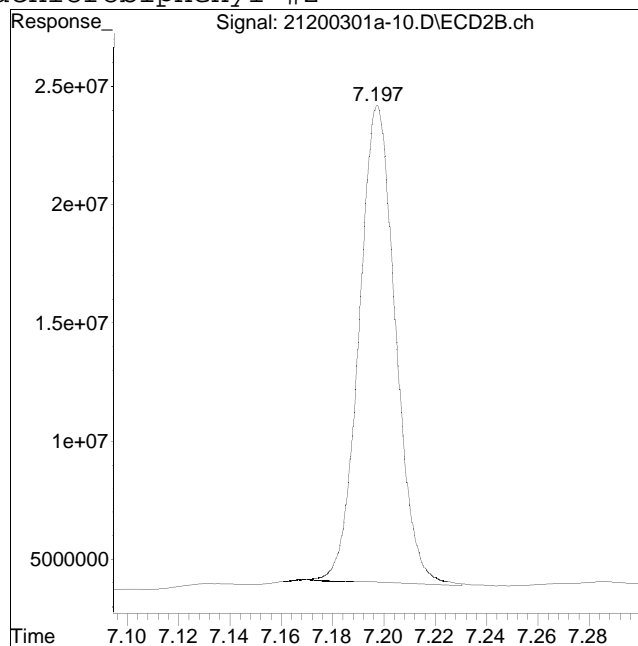
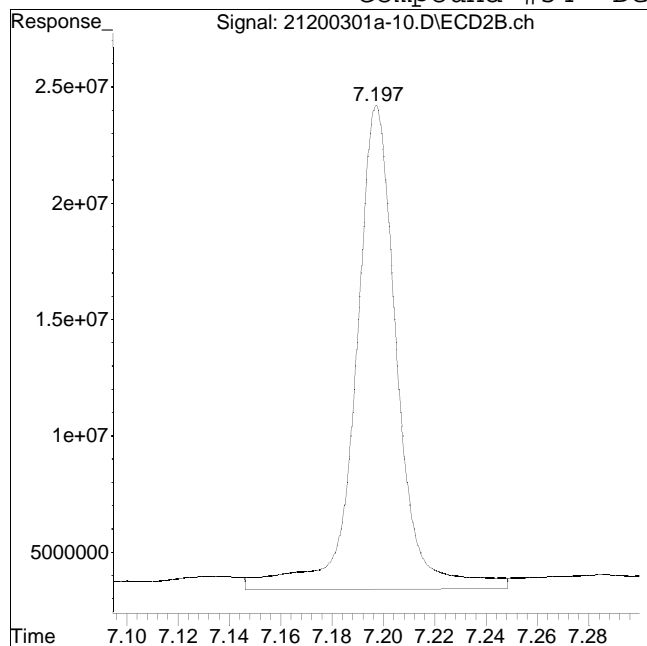
Manual Peak Response = 370366582 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-10.D Operator : pest21:ht
Date Inj'd : 3/1/2020 12:28 pm Instrument : Pest 21
Sample : 12008619-02,42e,, Quant Date : 3/1/2020 5:30 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 234533726

Manual Peak Response = 198558092 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:40 pm
 Operator : pest21:ht
 Sample : l2008619-03,42e,,
 Misc : wgl345881,wgl345284,ical16334
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:04:08 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.090	2.199	169.3E6	317.7E6	250.000	250.000
Standard Area 1 : #1 = 159257831					Recovery =	106.30%
Standard Area 1 : #2 = 295608523					Recovery =	107.48%
14) i 2154_1br2nb	2.090	2.199	169.3E6	317.7E6	250.000	250.000
23) i 4268_1br2nb	2.090	2.199	169.3E6	317.7E6	250.000	250.000
34) i 1248_1br2nb	2.090	2.199	169.3E6	317.7E6	250.000	250.000
40) i 3262_1br2nb	2.090	2.199	169.3E6	317.7E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.576	2.832	275.3E6	519.0E6	391.236	392.653
Spiked Amount 500.000	Range 30 - 150		Recovery =		78.25%	78.53%
3) s Decachlorobi	6.587	7.202	184.4E6	288.0E6	319.903	317.192
Spiked Amount 500.000	Range 30 - 150		Recovery =		63.98%	63.44%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.787	5.364	30928771	62489511	845.190	921.455
10) l2 1260-2	4.991	5.508	55026298	79290957	1016.093	995.467
11) l2 1260-3	5.454	6.031	31309098	61273629	919.489	969.328
12) l2 1260-4	5.668	6.193	75229858	131.6E6	1042.110	1005.679
13) l2 1260-5	5.864	6.442	53988355	88940096	1046.627	1003.901
Sum 1260-1			246.5E6	423.6E6	4869.509	4895.831
Average 1260-1					973.902	979.166

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:40 pm
 Operator : pest21:ht
 Sample : l2008619-03,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:04:08 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:40 pm
 Operator : pest21:ht
 Sample : l2008619-03,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:04:08 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-11.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:40 pm
 Operator : pest21:ht
 Sample : l2008619-03,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:04:08 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

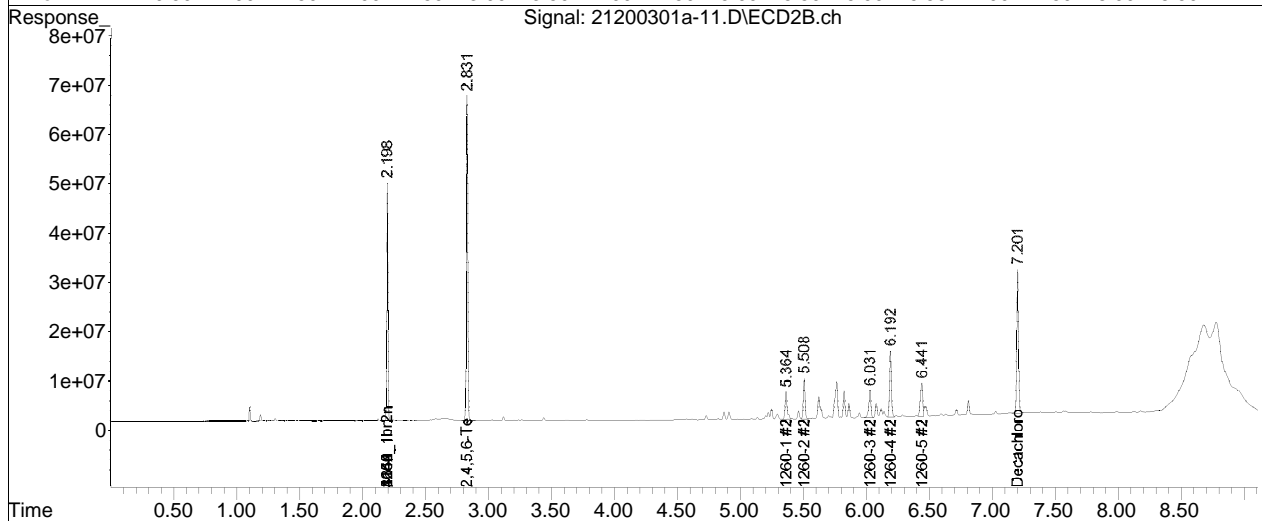
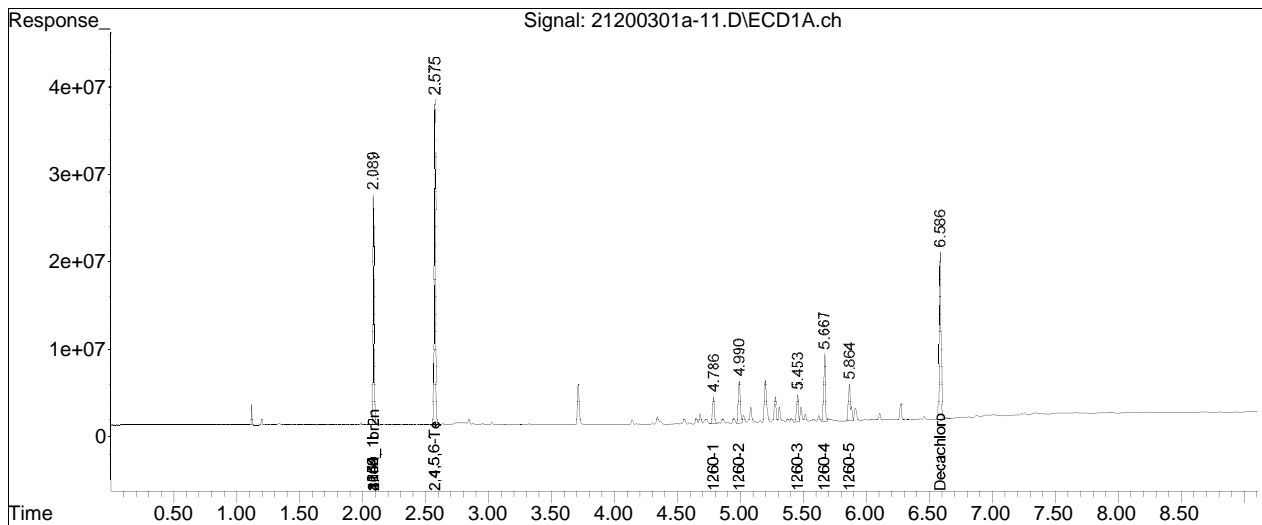
Sub List : Default - All compounds listed01a\21200301a-02.D**

Data Path : I:\Pest21\data\2020\21200301a\
Data File : 21200301a-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Mar 2020 12:40 pm
Operator : pest21:ht
Sample : l2008619-03,42e,,
Misc : wg1345881,wg1345284,ical16334
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 03 20:04:08 2020
Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-11.D Operator : pest21:ht
Date Inj'd : 3/1/2020 12:40 pm Instrument : Pest 21
Sample : 12008619-03,42e,, Quant Date : 3/1/2020 5:32 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:52 pm
 Operator : pest21:ht
 Sample : l2008619-04,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:06:42 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.090	2.198	150.4E6	280.8E6	250.000	250.000
Standard Area 1 : #1 = 159257831					Recovery =	94.41%
Standard Area 1 : #2 = 295608523					Recovery =	94.99%
14) i 2154_1br2nb	2.090	2.198	150.4E6	280.8E6	250.000	250.000
23) i 4268_1br2nb	2.090	2.198	150.4E6	280.8E6	250.000	250.000
34) i 1248_1br2nb	2.090	2.198	150.4E6	280.8E6	250.000	250.000
40) i 3262_1br2nb	2.090	2.198	150.4E6	280.8E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.575	2.831	260.2E6	494.9E6	416.382	423.585
Spiked Amount 500.000	Range 30 - 150		Recovery =		83.28%	84.72%
3) s Decachlorobi	6.585	7.199	170.8E6	256.2E6	333.614	319.286
Spiked Amount 500.000	Range 30 - 150		Recovery =		66.72%	63.86%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.786	5.364	2446938	3792066	75.284	63.270
10) l2 1260-2	4.991	5.508	3712410	4925112	77.180	69.964
11) l2 1260-3	5.454	6.029	1798847	4214835	59.478	75.446M4
12) l2 1260-4	5.667	6.192	5143554	7977855	80.219	68.965
13) l2 1260-5	5.863	6.440	4474879	5601027	97.670	71.535
Sum 1260-1			17576628	26510895	389.831	349.179
Average 1260-1					77.966	69.836

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:52 pm
 Operator : pest21:ht
 Sample : 12008619-04,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:06:42 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:52 pm
 Operator : pest21:ht
 Sample : l2008619-04,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:06:42 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-12.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 12:52 pm
 Operator : pest21:ht
 Sample : 12008619-04,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:06:42 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

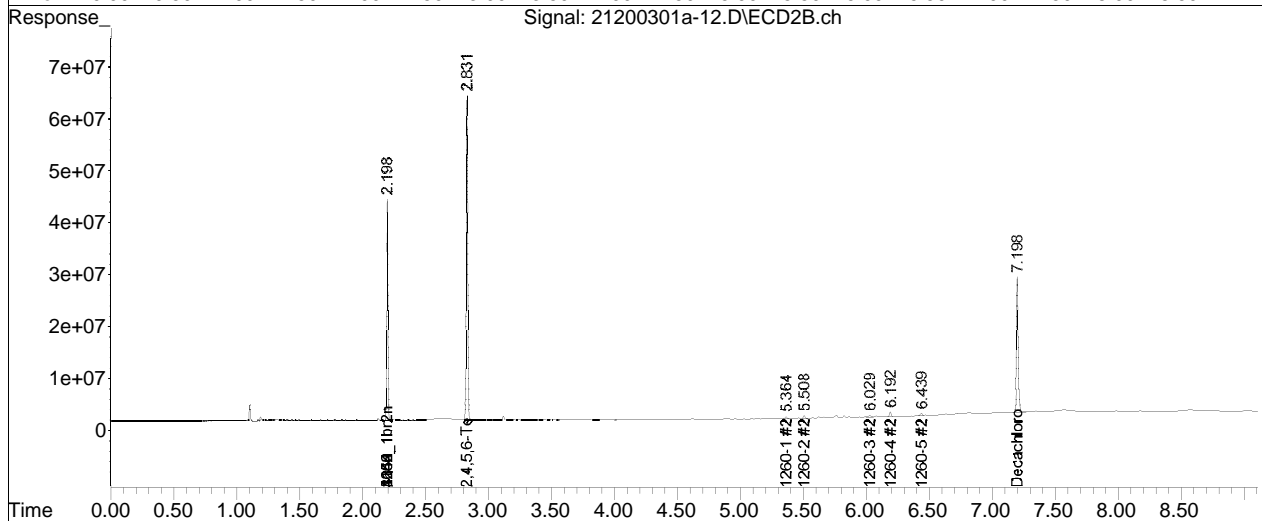
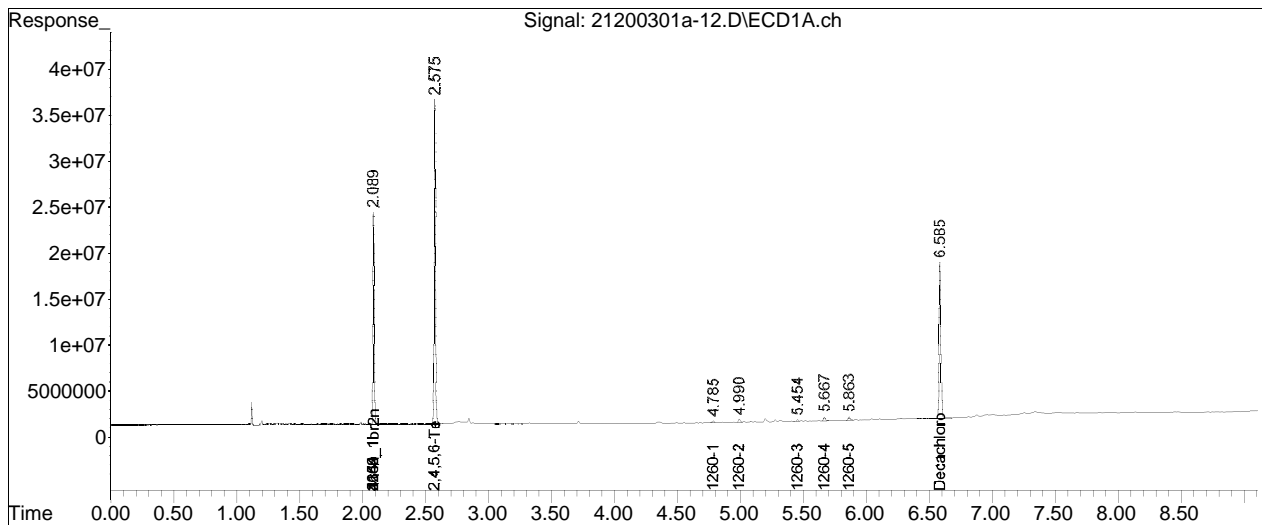
Sub List : Default - All compounds listed01a\21200301a-02.D**

Data Path : I:\Pest21\data\2020\21200301a\
Data File : 21200301a-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Mar 2020 12:52 pm
Operator : pest21:ht
Sample : 12008619-04,42e,,
Misc : wg1345881,wg1345284,ical16334
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 03 20:06:42 2020
Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

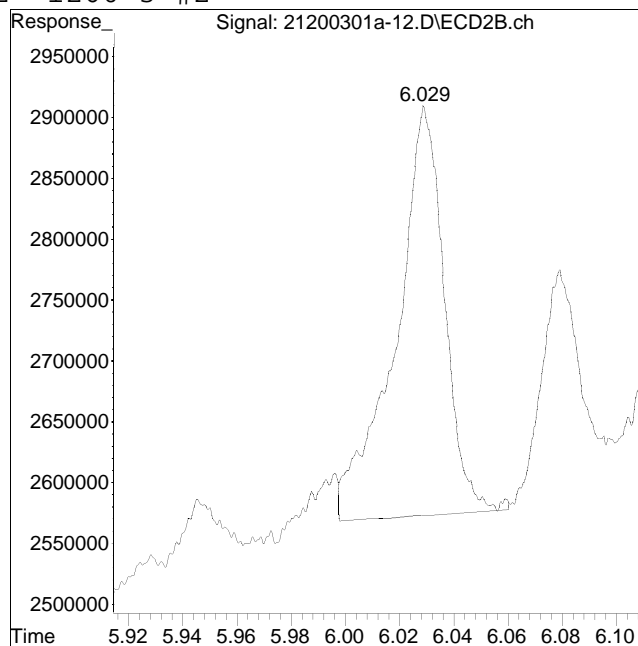
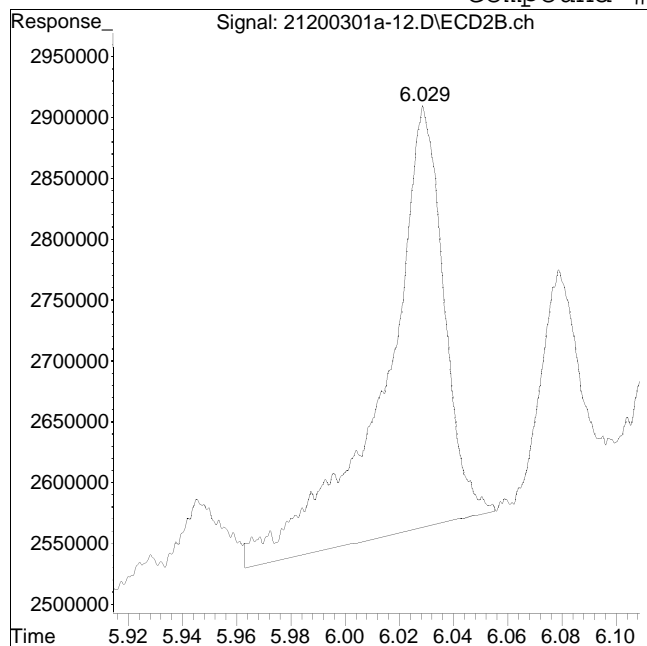
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-12.D Operator : pest21:ht
Date Inj'd : 3/1/2020 12:52 pm Instrument : Pest 21
Sample : 12008619-04,42e,, Quant Date : 3/1/2020 5:32 pm

Compound #62: 1260-3 #2



Original Peak Response = 5264665

Manual Peak Response = 4214835 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 01:27 pm
 Operator : pest21:ht
 Sample : l2008619-10,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:07:43 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.090	2.198	147.3E6	267.7E6	250.000	250.000M4
Standard Area 1 : #1 = 159257831					Recovery =	92.51%
Standard Area 1 : #2 = 295608523					Recovery =	90.57%
14) i 2154_1br2nb	2.090	2.198	147.3E6	267.7E6	250.000	250.000M4
23) i 4268_1br2nb	2.090	2.198	147.3E6	267.7E6	250.000	250.000M4
34) i 1248_1br2nb	2.090	2.198	147.3E6	267.7E6	250.000	250.000M4
40) i 3262_1br2nb	2.090	2.198	147.3E6	267.7E6	250.000	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.576	2.832	205.8E6	375.9E6	336.088	337.461
Spiked Amount 500.000 Range 30 - 150					Recovery =	67.22% 67.49%
3) s Decachlorobi	6.586	7.200	160.5E6	256.6E6	319.900	335.389M3
Spiked Amount 500.000 Range 30 - 150					Recovery =	63.98% 67.08%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.787	5.365	71430273	145.2E6	2242.952M4	2540.496
10) l2 1260-2	4.991	5.509	120.7E6	186.7E6	2561.756M4	2782.137
11) l2 1260-3	5.455	6.031	72185540	164.3E6	2435.973	3083.476
12) l2 1260-4	5.669	6.194	213.3E6	363.0E6	3394.979	3290.552
13) l2 1260-5	5.865	6.441	154.7E6	273.3E6	3445.161	3660.095
Sum 1260-1			632.3E6	1132.4E6	14080.821	15356.756
Average 1260-1					2816.164	3071.351

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 01:27 pm
 Operator : pest21:ht
 Sample : l2008619-10,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:07:43 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 01:27 pm
 Operator : pest21:ht
 Sample : l2008619-10,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:07:43 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-15.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 01:27 pm
 Operator : pest21:ht
 Sample : l2008619-10,42e,,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:07:43 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

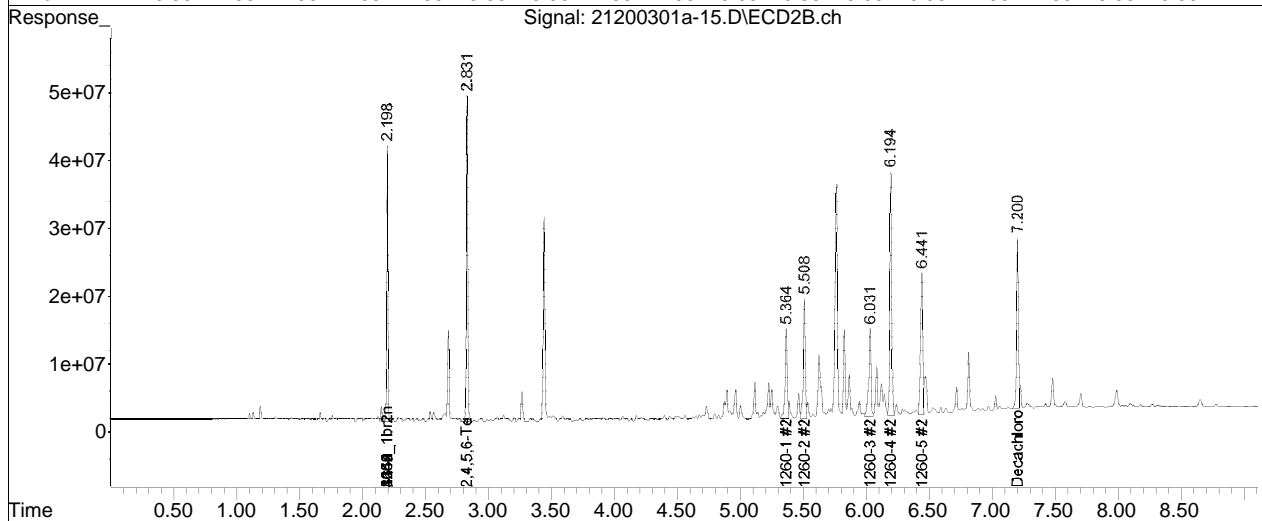
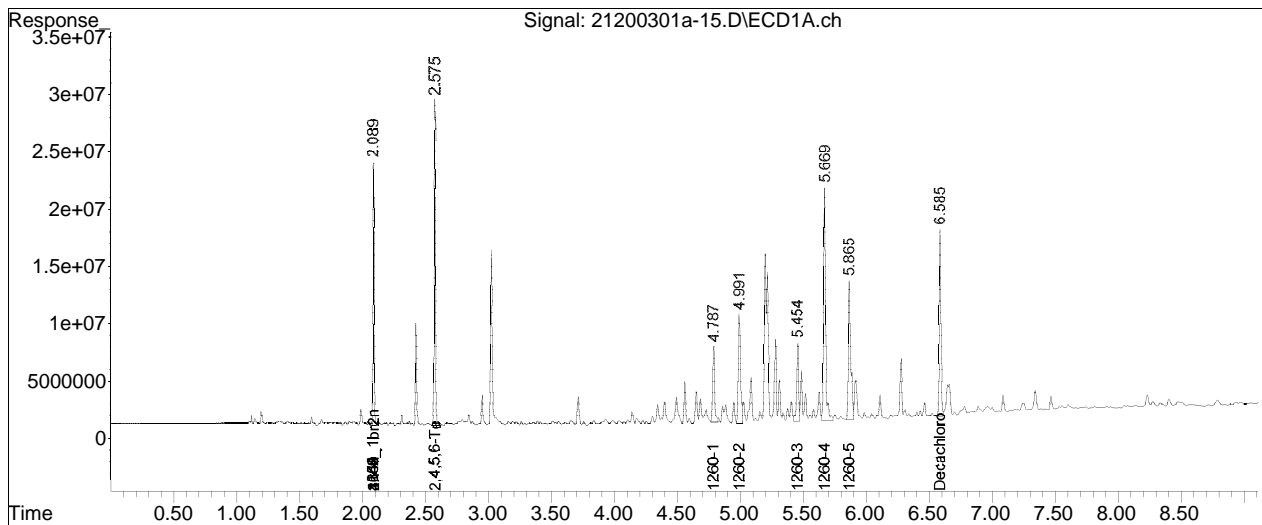
Sub List : Default - All compounds listed01a\21200301a-02.D**

Data Path : I:\Pest21\data\2020\21200301a\
Data File : 21200301a-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Mar 2020 01:27 pm
Operator : pest21:ht
Sample : l2008619-10,42e,,
Misc : wg1345881,wg1345284,ical16334
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 03 20:07:43 2020
Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

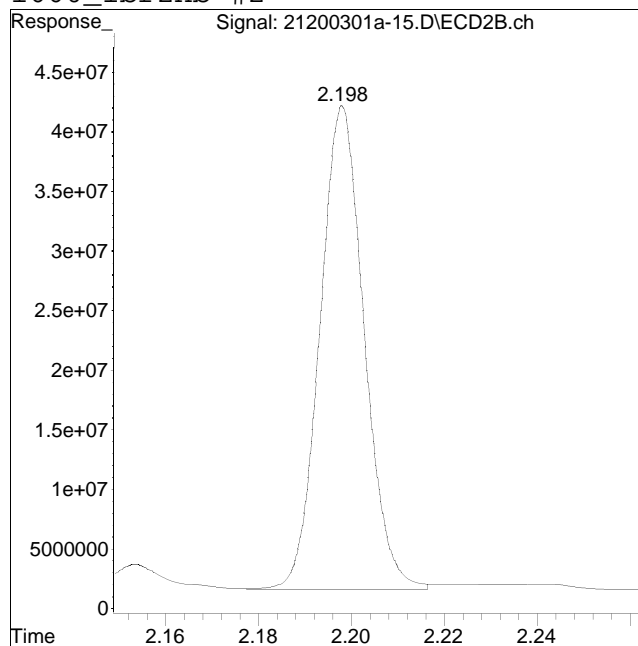
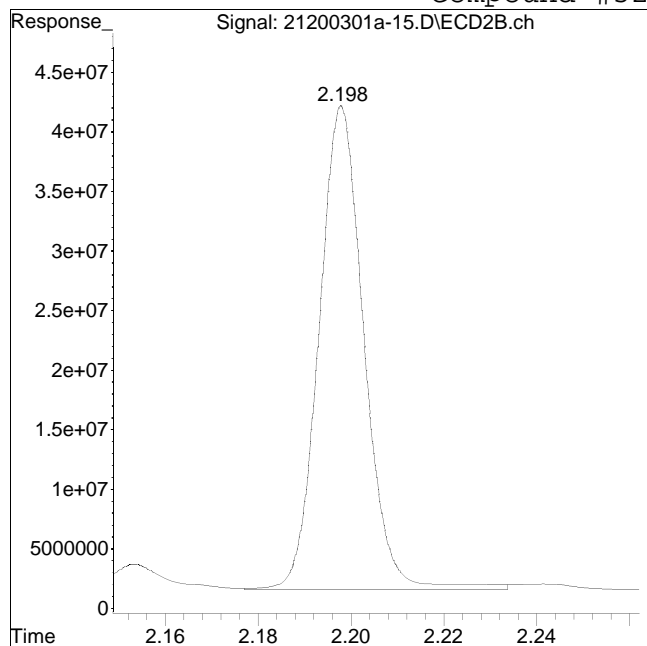
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-15.D Operator : pest21:ht
Date Inj'd : 3/1/2020 1:27 pm Instrument : Pest 21
Sample : 12008619-10,42e,, Quant Date : 3/1/2020 5:38 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 273542444

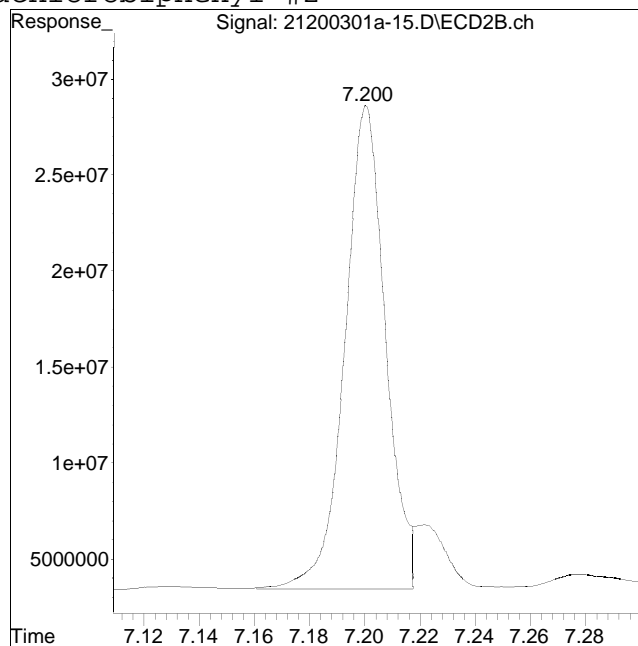
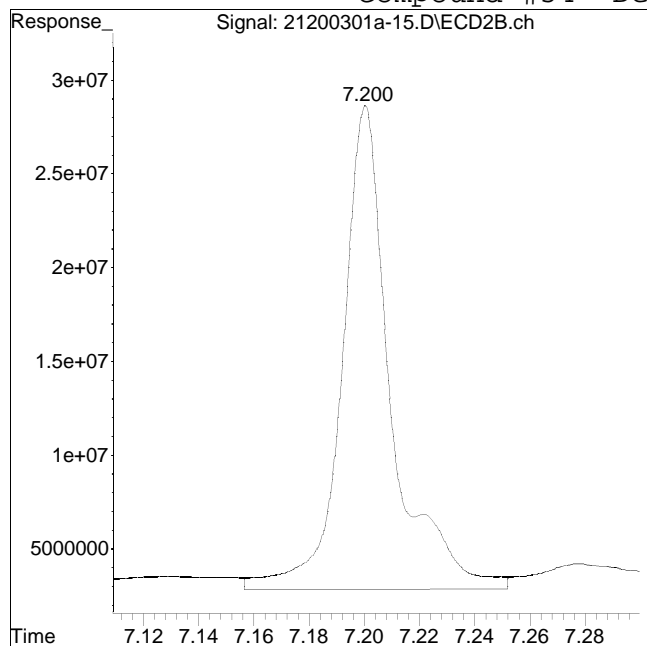
Manual Peak Response = 267736917 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-15.D Operator : pest21:ht
Date Inj'd : 3/1/2020 1:27 pm Instrument : Pest 21
Sample : 12008619-10,42e,, Quant Date : 3/1/2020 5:38 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 318546126

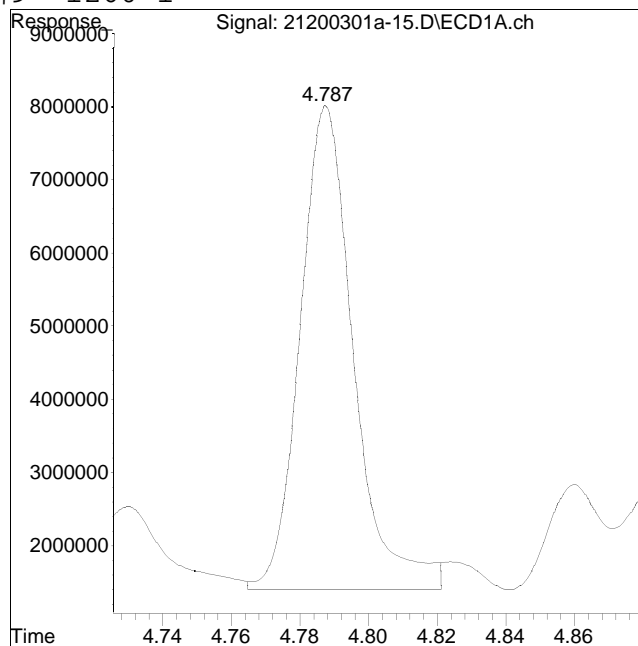
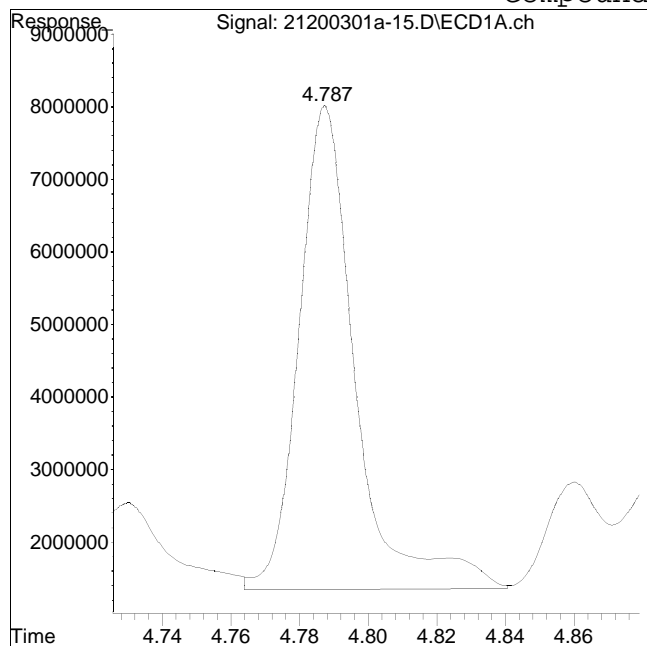
Manual Peak Response = 256605798 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-15.D Operator : pest21:ht
Date Inj'd : 3/1/2020 1:27 pm Instrument : Pest 21
Sample : 12008619-10,42e,, Quant Date : 3/1/2020 5:38 pm

Compound #9: 1260-1



Original Peak Response = 76801477

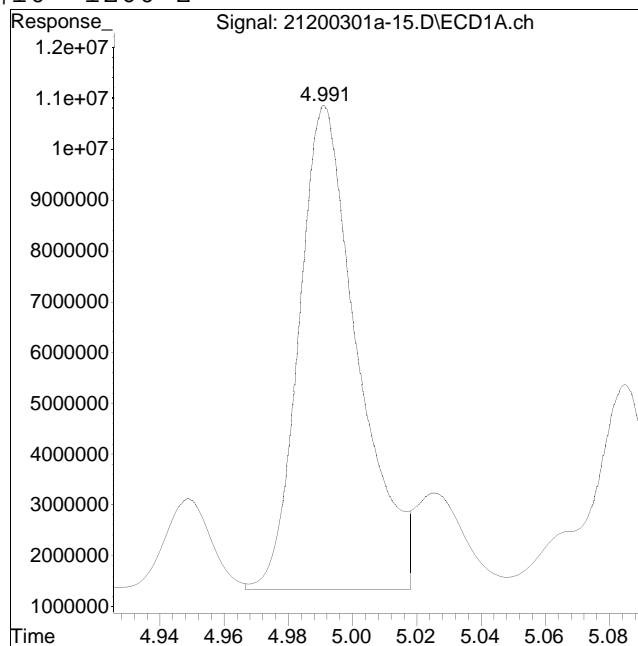
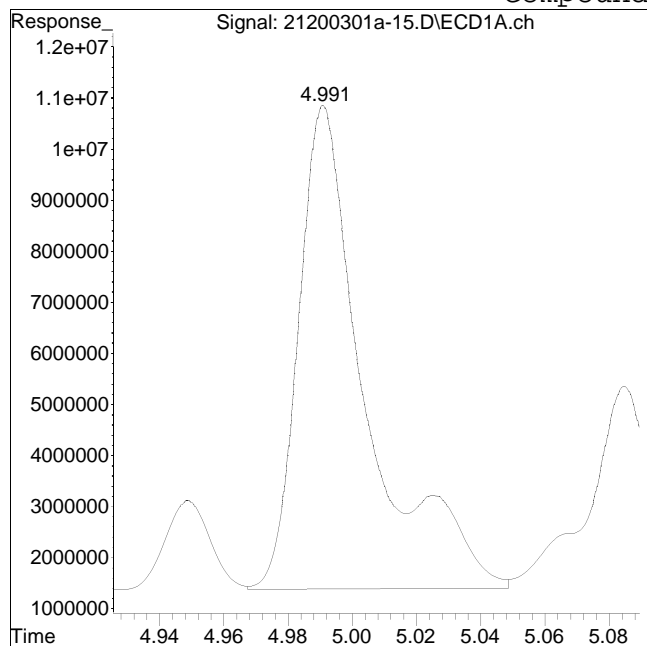
Manual Peak Response = 71430273 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-15.D Operator : pest21:ht
Date Inj'd : 3/1/2020 1:27 pm Instrument : Pest 21
Sample : 12008619-10,42e,, Quant Date : 3/1/2020 5:38 pm

Compound #10: 1260-2



Original Peak Response = 138194576

Manual Peak Response = 120733593 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 09:06 pm
 Operator : pest21:ht
 Sample : l2008619-08d,42e,20,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:15:15 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.091	2.198	172.6E6	323.6E6	250.000	250.000
Standard Area 1 : #1 = 170726179					Recovery =	101.11%
Standard Area 1 : #2 = 318155725					Recovery =	101.73%
14) i 2154_1br2nb	2.091	2.198	172.6E6	323.6E6	250.000	250.000
23) i 4268_1br2nb	2.091	2.198	172.6E6	323.6E6	250.000	250.000
34) i 1248_1br2nb	2.091	2.198	172.6E6	323.6E6	250.000	250.000
40) i 3262_1br2nb	2.091	2.198	172.6E6	323.6E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.791	5.366	41967454	80731196	1124.679	1168.646
10) l2 1260-2	4.995	5.510	77983940	112.4E6	1412.190	1385.295
11) l2 1260-3	5.459	6.033	43383962	85385849	1249.482	1326.044
12) l2 1260-4	5.672	6.196	101.1E6	165.9E6	1373.633	1244.501
13) l2 1260-5	5.869	6.445	74083477	118.2E6	1408.439	1309.994
Sum 1260-1			338.5E6	562.7E6	6568.422	6434.480
Average 1260-1					1313.684	1286.896

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 09:06 pm
 Operator : pest21:ht
 Sample : l2008619-08d,42e,20,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:15:15 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 09:06 pm
 Operator : pest21:ht
 Sample : l2008619-08d,42e,20,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:15:15 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200301a\
 Data File : 21200301a-31.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Mar 2020 09:06 pm
 Operator : pest21:ht
 Sample : 12008619-08d,42e,20,
 Misc : wgl1345881,wgl1345284,ical16334
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 20:15:15 2020
 Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200301a\21200301a-23.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

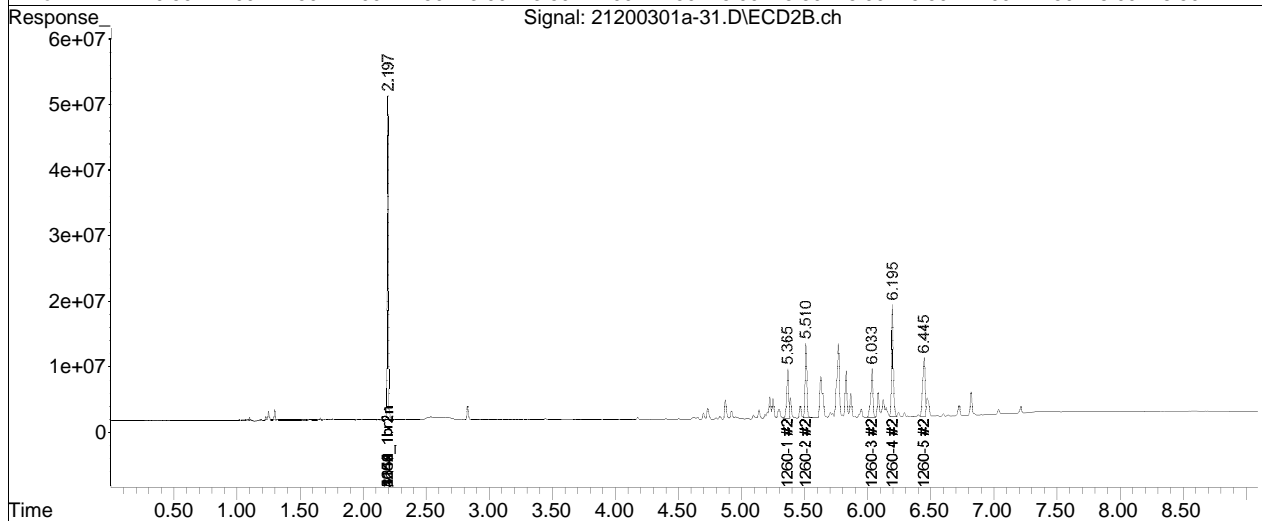
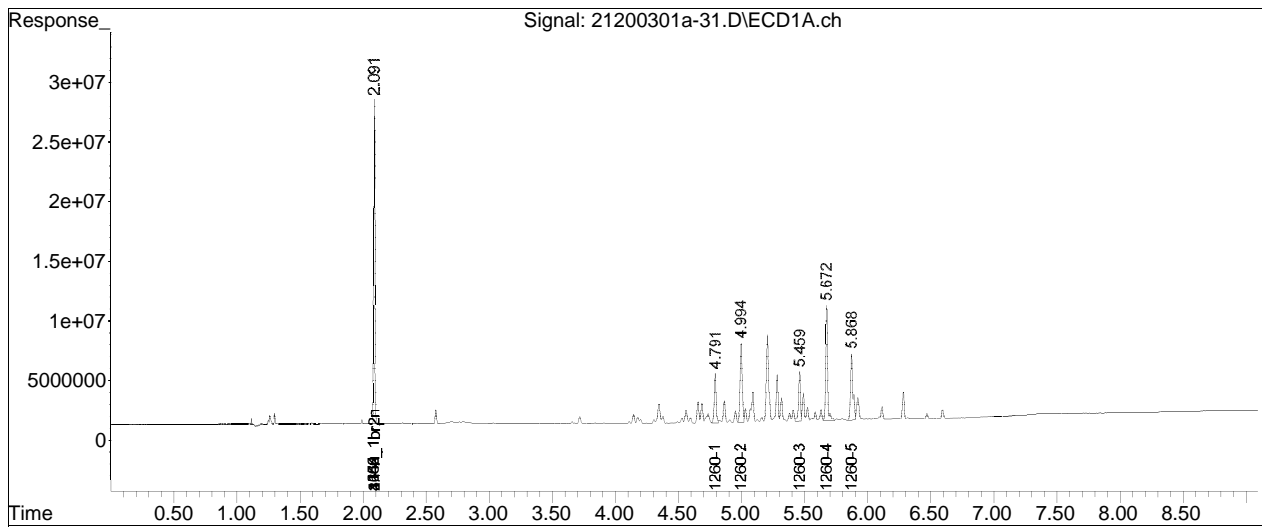
Sub List : Default - All compounds listed01a\21200301a-23.D**

Data Path : I:\Pest21\data\2020\21200301a\
Data File : 21200301a-31.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Mar 2020 09:06 pm
Operator : pest21:ht
Sample : l2008619-08d,42e,20,
Misc : wg1345881,wg1345284,ical16334
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 03 20:15:15 2020
Quant Method : I:\Pest21\data\2020\21200301a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200301a-31.D Operator : pest21:ht
Date Inj'd : 3/1/2020 9:06 pm Instrument : Pest 21
Sample : 12008619-08d,42e,20, Quant Date : 3/2/2020 7:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200302a\
 Data File : 23200302a-04.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Mar 2020 01:48 pm
 Operator : pest23:ht
 Sample : l2008619-07d,42e,20,
 Misc : wgl1346106,wgl1345284,ical16474
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 01:39:19 2020
 Quant Method : I:\Pest23\data\2020\23200302a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
 QLast Update : Sun Mar 01 19:59:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200302a\23200302a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	0.924	1.019	21122044	25874325	250.000	250.000
Standard Area 1 : #1 = 23809752					Recovery =	88.71%
Standard Area 1 : #2 = 28274043					Recovery =	91.51%
14) i 2154_1br2nb	0.924	1.019	21122044	25874325	250.000	250.000
23) i 4268_1br2nb	0.924	1.019	21122044	25874325	250.000	250.000
34) i 1248_1br2nb	0.924	1.019	21122044	25874325	250.000	250.000
40) i 3262_1br2nb	0.924	1.019	21122044	25874325	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.274	2.718	19852617	24562231	3106.417	3094.316
10) l2 1260-2	2.391	2.818	39233178	38790877	4020.902	4140.410
11) l2 1260-3	2.684	3.194	23177210	33220101	3835.814	4171.173
12) l2 1260-4	2.829	3.324	55227565	68521991	4273.136	4181.958
13) l2 1260-5	2.968	3.520	32851279	50154354	4768.243	4320.556
Sum 1260-1			170.3E6	215.2E6	20004.512	19908.413
Average 1260-1					4000.902	3981.683

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200302a\
 Data File : 23200302a-04.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Mar 2020 01:48 pm
 Operator : pest23:ht
 Sample : l2008619-07d,42e,20,
 Misc : wgl1346106,wgl1345284,ical16474
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 01:39:19 2020
 Quant Method : I:\Pest23\data\2020\23200302a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:59:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200302a\23200302a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200302a\
 Data File : 23200302a-04.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Mar 2020 01:48 pm
 Operator : pest23:ht
 Sample : l2008619-07d,42e,20,
 Misc : wgl1346106,wgl1345284,ical16474
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 01:39:19 2020
 Quant Method : I:\Pest23\data\2020\23200302a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:59:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200302a\23200302a-02.D
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest23\data\2020\23200302a\
 Data File : 23200302a-04.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Mar 2020 01:48 pm
 Operator : pest23:ht
 Sample : l2008619-07d,42e,20,
 Misc : wgl346106,wgl345284,ical16474
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 01:39:19 2020
 Quant Method : I:\Pest23\data\2020\23200302a\P23_pcb_01_29_20_ugL_ICAL16474

.. .m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:59:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest23\data\2020\23200302a\23200302a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

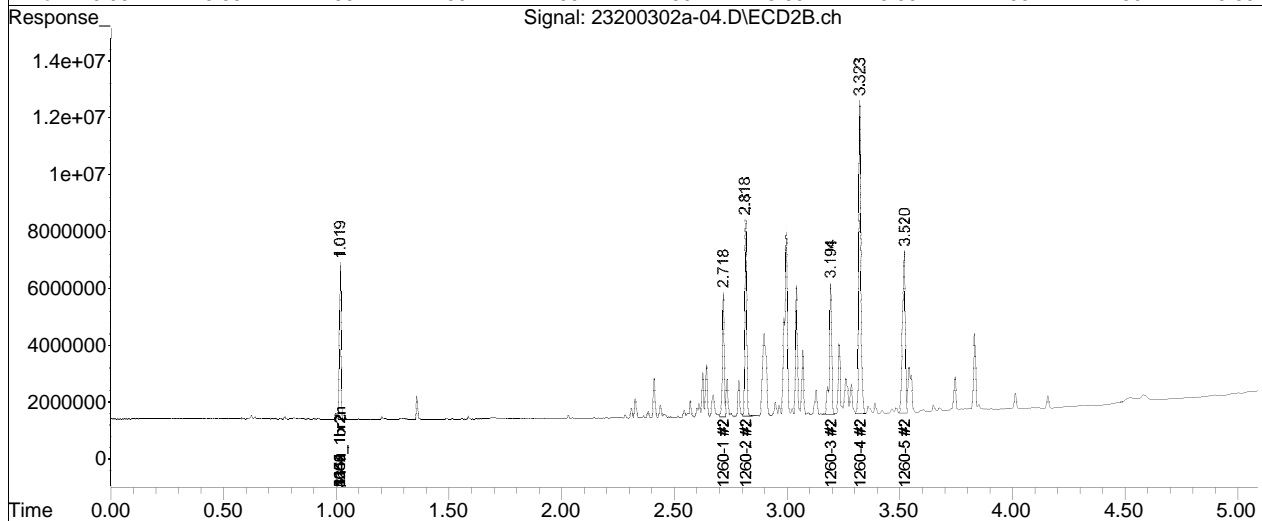
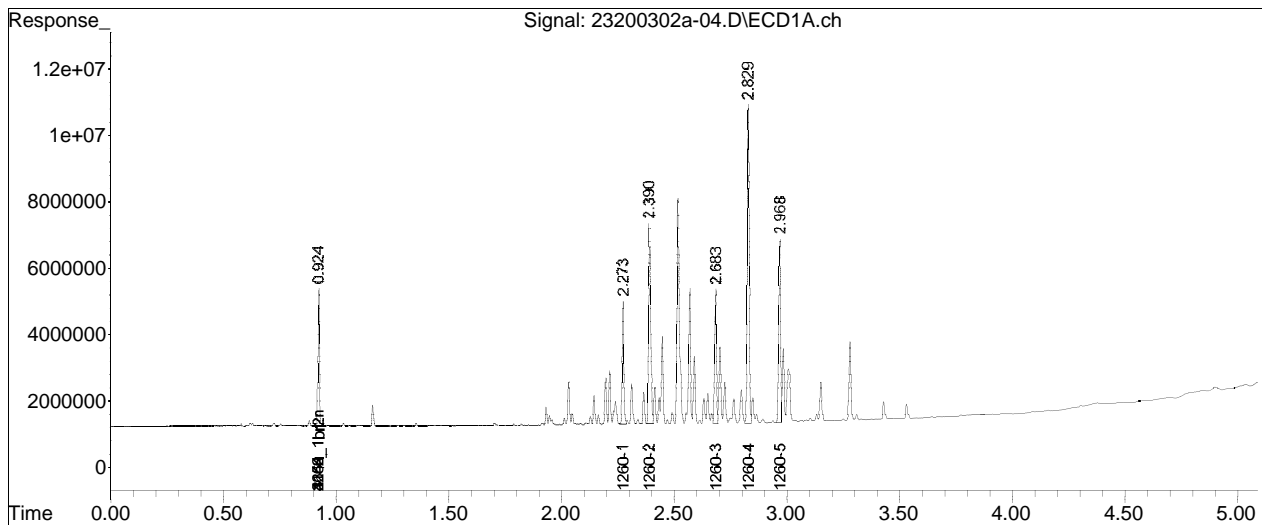
Sub List : Default - All compounds listed02a\23200302a-02.D••

Data Path : I:\Pest23\data\2020\23200302a\
Data File : 23200302a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Mar 2020 01:48 pm
Operator : pest23:ht
Sample : l2008619-07d,42e,20,
Misc : wg1346106,wg1345284,ical16474
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 01:39:19 2020
Quant Method : I:\Pest23\data\2020\23200302a\P23_pcb_01_29_20_ugL_ICAL16474

Quant Title : pcb
QLast Update : Sun Mar 01 19:59:20 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest23\data\2020\232003QMethod : P23_pcb_01_29_20_ugL_ICA
Data File : 23200302a-04.D Operator : pest23:ht
Date Inj'd : 3/2/2020 1:48 pm Instrument : Pest 23
Sample : 12008619-07d,42e,20, Quant Date : 3/3/2020 7:09 am

There are no manual integrations or false positives in this file.

Method Blank Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200228A\
 Data File : P7200228a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 2:42 pm
 Operator : pest7:ht
 Sample : wgl1345284-1,42e,,
 Misc : wgl1345407,wgl1345284,ical15997
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 00:59:34 2020
 Quant Method : I:\Pest7\200228A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200228A\P7200228a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.891	1.941	467.5E6	362.8E6	250.000	250.000
Standard Area 1 : #1 = 485273357					Recovery =	96.33%
Standard Area 1 : #2 = 371297807					Recovery =	97.72%
14) i 2154_1br2nb	1.891	1.941	467.5E6	362.8E6	250.000	250.000
23) i 4268_1br2nb	1.891	1.941	467.5E6	362.8E6	250.000	250.000
34) i 1248_1br2nb	1.891	1.941	467.5E6	362.8E6	250.000	250.000
40) i 3262_1br2nb	1.891	1.941	467.5E6	362.8E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.319	2.459	849.3E6	676.3E6	369.279	385.275
Spiked Amount 500.000	Range 30 - 150		Recovery =		73.86%	77.05%
3) s Decachlorobi	6.220	6.633	597.4E6	423.6E6	391.298	401.490
Spiked Amount 500.000	Range 30 - 150		Recovery =		78.26%	80.30%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200228A\
 Data File : P7200228a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 2:42 pm
 Operator : pest7:ht
 Sample : wg1345284-1,42e,,
 Misc : wg1345407,wg1345284,ical15997
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 00:59:34 2020
 Quant Method : I:\Pest7\200228A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200228A\P7200228a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200228A\
 Data File : P7200228a-12.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 28 Feb 2020 2:42 pm
 Operator : pest7:ht
 Sample : wg1345284-1,42e,,
 Misc : wg1345407,wg1345284,ical15997
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 02 00:59:34 2020
 Quant Method : I:\Pest7\200228A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200228A\P7200228a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

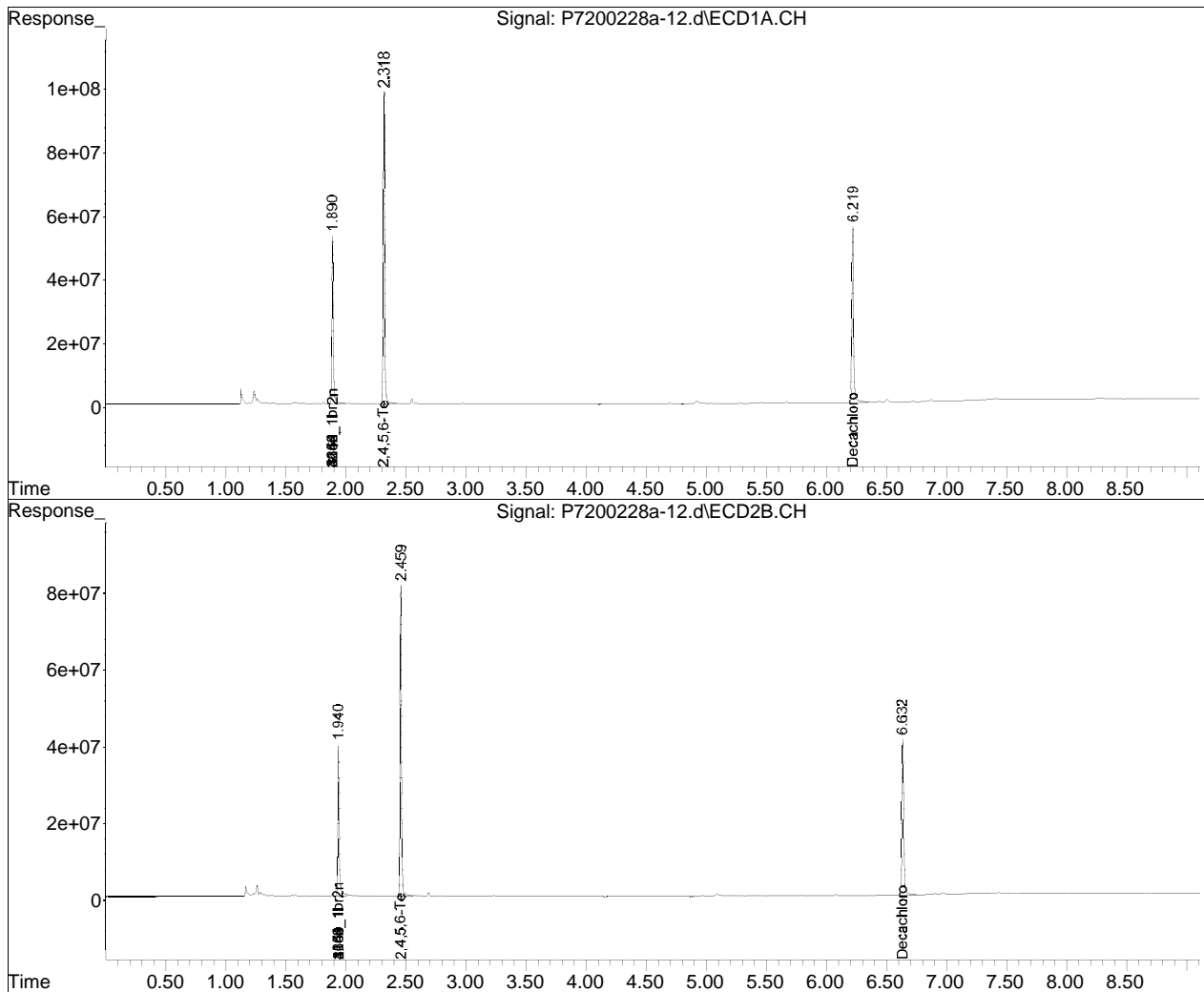
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest7\200228A\
Data File : P7200228a-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 28 Feb 2020 2:42 pm
Operator : pest7:ht
Sample : wg1345284-1,42e,,
Misc : wg1345407,wg1345284,ical15997
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 02 00:59:34 2020
Quant Method : I:\Pest7\200228A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest7\200228A\	QMethod	: P7_pcb_07_28_19_ugL_ICAL
Data File	: P7200228a-12.d	Operator	: pest7:ht
Date Inj'd	: 2/28/2020 2:42 pm	Instrument	: Pest 7
Sample	: wg1345284-1,42e,,	Quant Date	: 3/2/2020 0:59 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
 Data File : P2200302a-06.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 10:33 am
 Operator : pest2:ht
 Sample : wg1345916-1,42e,,915 914ct
 Misc : wg1346069,wg1345916,ical16010
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 23:05:46 2020
 Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.099	2.281	66708240	44394544	25.000	25.000
Standard Area 1 : #1 = 115461021					Recovery =	57.78%
Standard Area 1 : #2 = 74707747					Recovery =	59.42%
14) i 2154_1br2nb	2.099	2.281	66708240	44394544	25.000	25.000
23) i 4268_1br2nb	2.099	2.281	66708240	44394544	25.000	25.000
34) i 1248_1br2nb	2.099	2.281	66708240	44394544	25.000	25.000
40) i 3262_1br2nb	2.099	2.281	66708240	44394544	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.582	2.923	44594481	28750951	16.293	15.370
Spiked Amount 20.000	Range 30 - 150				Recovery =	81.47% 76.85%
3) s Decachlorobi	6.603	7.327f	46743696	27965940	17.790	19.125
Spiked Amount 20.000	Range 30 - 150				Recovery =	88.95% 95.63%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
 Data File : P2200302a-06.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 10:33 am
 Operator : pest2:ht
 Sample : wg1345916-1,42e,,915 914ct
 Misc : wg1346069,wg1345916,ical16010
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 23:05:46 2020
 Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
 Data File : P2200302a-06.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 10:33 am
 Operator : pest2:ht
 Sample : wg1345916-1,42e,,915 914ct
 Misc : wg1346069,wg1345916,ical16010
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 23:05:46 2020
 Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

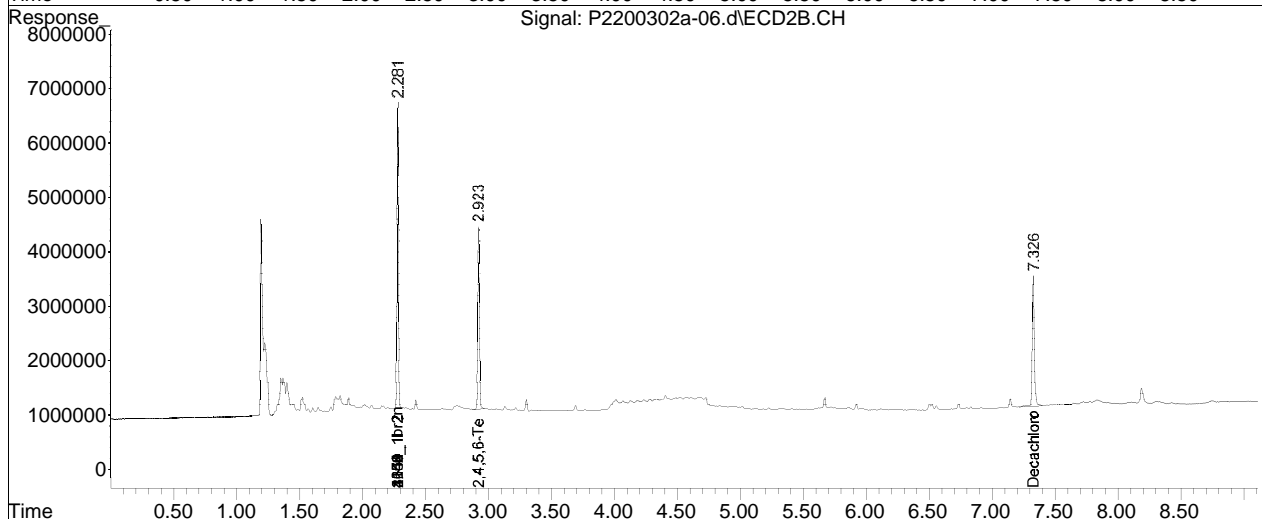
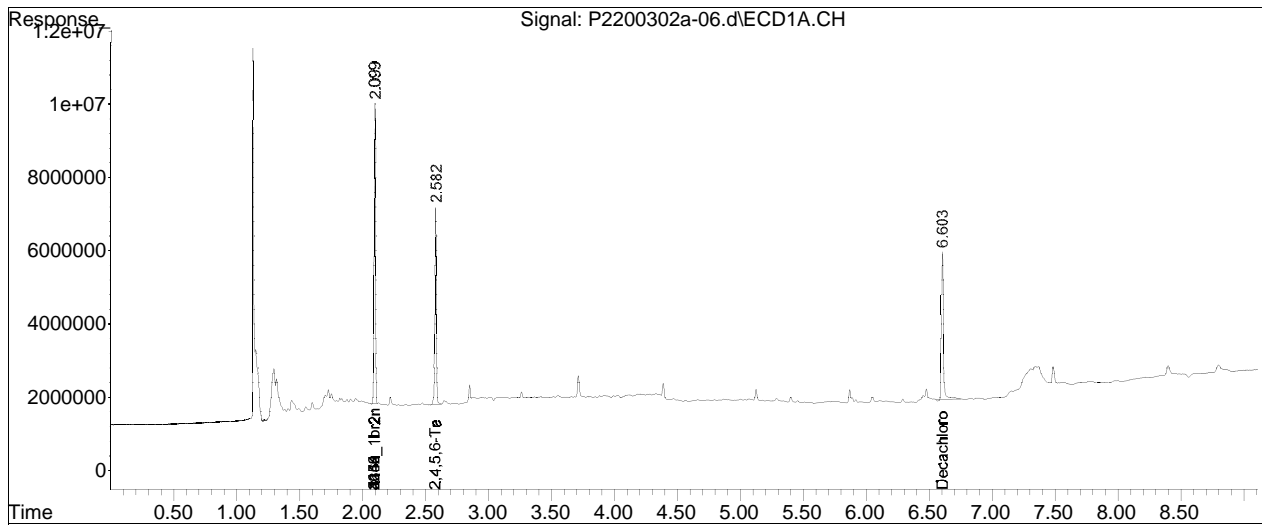
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200302A\
Data File : P2200302a-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 Mar 2020 10:33 am
Operator : pest2:ht
Sample : wg1345916-1,42e,,915 914ct
Misc : wg1346069,wg1345916,ical16010
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 03 23:05:46 2020
Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest2\200302A\ QMethod : P2_pcb_08_06_19_LVI_ugL_
Data File : P2200302a-06.d Operator : pest2:ht
Date Inj'd : 3/2/2020 10:33 am Instrument : PEST 2
Sample : wg1345916-1,42e,,915 914ctQuant Date : 3/3/2020 11:09 am

There are no manual integrations or false positives in this file.

Wet Chemistry



Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-01	Date Collected : 02/26/20 13:48
Client ID : E-203-0.5-1.0	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 09:09
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345349.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-02	Date Collected : 02/26/20 14:03
Client ID : E-203-2.0-2.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 09:09
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345349.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-03	Date Collected : 02/26/20 15:03
Client ID : E-134-0.5-1.0	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 09:09
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345349.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 92
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	92.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-04	Date Collected : 02/26/20 15:09
Client ID : E-134-2.0-2.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 09:09
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345349.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 91
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.9	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-07	Date Collected : 02/26/20 15:35
Client ID : E-135-0.5-1.0	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 09:09
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345349.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-08	Date Collected : 02/26/20 15:52
Client ID : E-135-2.0-2.5	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 09:09
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345349.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008619-10	Date Collected : 02/26/20 00:00
Client ID : X-12-02262020	Date Received : 02/26/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 09:09
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345349.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	84.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008619
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1345349-1	Date Collected : 02/26/20 13:48
Client ID : E-203-0.5-1.0DUP	Date Received : 02/26/20
Sample Location :	Date Analyzed : 02/28/20 09:09
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345349.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.0	0.100	NA	



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008619
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-203-0.5-1.0	Matrix	: SLUDGE
Lab Sample ID	: L2008619-01	Analysis Date	: 02/28/20 09:09
Dup Sample ID	: WG1345349-1	DUP Analysis Date	: 02/28/20 09:09

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	86.2	86.0	0	20





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Lab Number: L2008805

Client: Wood Env & Infrastructure Solut:

ATTN: Marlene Lindhardt

Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

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**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: 277710568.0008.06		Contract No:	
Laboratory: Alpha Analytical		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2008805		NJDEP Certification #: MA935	
Date of First Sample Receipt: 02/27/2020		Date of Last Sample Receipt: 02/27/2020	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
E-174-0.5-1.0	L2008805-01	AMTRAK-EAST BARRACKS	02/27/2020 08:32
E-174-2.0-2.5	L2008805-02	AMTRAK-EAST BARRACKS	02/27/2020 08:44
E-174-3.5-4.0	L2008805-03	AMTRAK-EAST BARRACKS	02/27/2020 08:54
E-164-0.5-1.0	L2008805-04	AMTRAK-EAST BARRACKS	02/27/2020 09:33
E-164-2.0-2.5	L2008805-05	AMTRAK-EAST BARRACKS	02/27/2020 09:38
E-205-0.5-1.0	L2008805-06	AMTRAK-EAST BARRACKS	02/27/2020 10:15
E-205-2.0-2.5	L2008805-07	AMTRAK-EAST BARRACKS	02/27/2020 10:20
E-205-3.0-3.5	L2008805-08	AMTRAK-EAST BARRACKS	02/27/2020 10:40
E-206-0.5-1.0	L2008805-09	AMTRAK-EAST BARRACKS	02/27/2020 10:55
E-206-2.0-2.5	L2008805-10	AMTRAK-EAST BARRACKS	02/27/2020 11:00
E-141-0.5-1.0	L2008805-11	AMTRAK-EAST BARRACKS	02/27/2020 11:30
E-141-2.0-2.5	L2008805-12	AMTRAK-EAST BARRACKS	02/27/2020 11:35
E-154-0.5-1.0	L2008805-13	AMTRAK-EAST BARRACKS	02/27/2020 12:40
E-154-2.0-2.5	L2008805-14	AMTRAK-EAST BARRACKS	02/27/2020 12:45
E-156-0.5-1.0	L2008805-15	AMTRAK-EAST BARRACKS	02/27/2020 13:05
E-157-0.5-1.0	L2008805-16	AMTRAK-EAST BARRACKS	02/27/2020 13:47
E-202-0.5-1.0	L2008805-17	AMTRAK-EAST BARRACKS	02/27/2020 14:25
EB-15-02272020	L2008805-18	AMTRAK-EAST BARRACKS	02/27/2020 14:53
X-13-02272020	L2008805-19	AMTRAK-EAST BARRACKS	02/27/2020 00:00

Title Page - NJDEP

**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:	Bureau/Office:
Project No: 277710568.0008.06	Contract No:
Laboratory: Alpha Analytical	Laboratory Location: Westborough, Ma.
	Laboratory Phone Number: (508) 898-9220
SDG No: L2008805	NJDEP Certification #: MA935
Date of First Sample Receipt: 02/27/2020	Date of Last Sample Receipt: 02/27/2020

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.

Technical Director/Representative (Typed) Tiffani Morrissey	03/12/20
Technical Director/Representative (Signature) <i>Tiffani Morrissey</i>	

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EB-15-02272020 (L2008805-18) Analyzed: 03/03/20 02:21 Chan. A&B	222
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E-154-2.0-2.5 (L2008805-14) Analyzed: 03/01/20 21:45 Chan. A&B	243
E-154-0.5-1.0 (L2008805-13) Analyzed: 03/01/20 21:58 Chan. A&B	258
E-174-2.0-2.5 (L2008805-02D) Analyzed: 03/01/20 22:47 Chan. A&B	274
E-164-0.5-1.0 (L2008805-04D) Analyzed: 03/01/20 22:59 Chan. A&B	291
E-205-0.5-1.0 (L2008805-06D) Analyzed: 03/01/20 23:11 Chan. A&B	297
E-156-0.5-1.0 (L2008805-15D) Analyzed: 03/01/20 23:23 Chan. A&B	306
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Chain of Custody





**NEW JERSEY
CHAIN OF
CUSTODY**

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3268

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2
of 2

Date Rec'd
in Lab 2/28/20

ALPHA Job #
12008805

Client Information		Project Information		Deliverables		Billing Information	
Client: <u>WOOD ETIS</u>		Project Name: <u>AMTRAK - EAST BARRACKS</u>		<input checked="" type="checkbox"/> NJ Full / <u>Reduced</u>		<input type="checkbox"/> Same as Client Info	
Address: <u>SEE PAGE 1</u>		Project Location: <u>SEE PAGE 1</u>		<input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)		PO #	
Phone: <u>SEE PAGE 1</u>		Project #		<input type="checkbox"/> Other			
Fax:		(Use Project name as Project #) <input type="checkbox"/>		Regulatory Requirement		Site Information	
Email:		Project Manager: <u>SEE PAGE 1</u>		<input checked="" type="checkbox"/> SRS Residential/Non Residential		Is this site impacted by Petroleum? Yes <input type="checkbox"/>	
		ALPHAQuote #:		<input checked="" type="checkbox"/> SRS Impact to Groundwater		Petroleum Product:	
		Turn-Around Time		<input type="checkbox"/> NJ Ground Water Quality Standards			
		Standard <input checked="" type="checkbox"/>		<input type="checkbox"/> NJ IGW SPLP Leachate Criteria			
		Rush (only if pre approved) <input type="checkbox"/>		<input type="checkbox"/> Other			
		Due Date:					
		# of Days:					

These samples have been previously analyzed by Alpha

For EPH, selection is REQUIRED:	For VOC, selection is REQUIRED:	Other project specific requirements/comments:	ANALYSIS	Sample Filtration
<input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2	<input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011	Please specify Metals or TAL.		<input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Pres (see 846 8052A)											Sample Specific Comments	
		Date	Time															
<u>08805</u>	<u>E-141-0.5-1.0</u>	<u>2-27-20</u>	<u>1130</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-12</u>	<u>E-141-2.0-2.5</u>	<u>2-27-20</u>	<u>1135</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-13</u>	<u>E-154-0.5-1.0</u>	<u>2-27-20</u>	<u>1240</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-14</u>	<u>E-154-2.0-2.5</u>	<u>2-27-20</u>	<u>1245</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-15</u>	<u>E-156-0.5-1.0</u>	<u>2-27-20</u>	<u>1305</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-16</u>	<u>E-157-0.5-1.0</u>	<u>2-27-20</u>	<u>1347</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-17</u>	<u>E-202-0.5-1.0</u>	<u>2-27-20</u>	<u>1425</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												
<u>-18</u>	<u>EB-15-02272020</u>	<u>2-27-20</u>	<u>1453</u>	<u>WATER</u>	<u>NDF</u>	<u>X</u>												
<u>-19</u>	<u>X-13-02273020</u>	<u>2-27-20</u>	<u>-</u>	<u>SOIL</u>	<u>NDF</u>	<u>X</u>												

Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other	Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle	Westboro: Certification No: MA935 Mansfield: Certification No: MA015	Container Type <u>A</u>	Preservative														
Relinquished By:			Date/Time	Received By:		Date/Time		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)										
<u>W B WOOD</u>			<u>2-27-20 01545</u>	<u>W W</u>		<u>2-27-20 1545</u>												
<u>W B WOOD</u>			<u>2-27-20 1105</u>	<u>W W</u>		<u>2-27-20 1545</u>												
<u>W B WOOD</u>			<u>2/28/20 0005</u>	<u>W W</u>		<u>2/28/20 0005</u>												

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 12 2020, 02:32 pm

Login Number: L2008805

Account: AMEC-NJ Wood Env & Infrastructure Solutions, IncProject: 277710568.0008.06

Received: 27FEB20 Due Date: 12MAR20

Sample #	Client ID	Mat PR Collected
L2008805-01	E-174-0.5-1.0	3 S0 27FEB20 08:32
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. NJ-RED Package Due Date: 03/12/20		
NJ-8082,NJ-RED,NJDEP,TS		
L2008805-02	E-174-2.0-2.5	3 S0 27FEB20 08:44
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20		
NJ-8082,TS		
L2008805-03	E-174-3.5-4.0	3 S0 27FEB20 08:54
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20		
NJ-8082,TS		
L2008805-04	E-164-0.5-1.0	3 S0 27FEB20 09:33
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20		
NJ-8082,TS		
L2008805-05	E-164-2.0-2.5	3 S0 27FEB20 09:38
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20		
NJ-8082,TS		
L2008805-06	E-205-0.5-1.0	3 S0 27FEB20 10:15
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 12 2020, 02:32 pm

Login Number: L2008805

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 27FEB20 Due Date: 12MAR20

Sample # Client ID Mat PR Collected

NJ-8082,TS

L2008805-07 E-205-2.0-2.5 3 S0 27FEB20 10:20

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/12/20

NJ-8082,TS

L2008805-08 E-205-3.0-3.5 3 S0 27FEB20 10:40

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/12/20

NJ-8082,TS

L2008805-09 E-206-0.5-1.0 3 S0 27FEB20 10:55

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/12/20

NJ-8082,TS

L2008805-10 E-206-2.0-2.5 3 S0 27FEB20 11:00

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/12/20

NJ-8082,TS

L2008805-11 E-141-0.5-1.0 3 S0 27FEB20 11:30

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC
client PM on all invoices. Package Due Date: 03/12/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 12 2020, 02:32 pm

Login Number: L2008805

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 27FEB20 Due Date: 12MAR20

Sample #	Client ID	Mat PR Collected
L2008805-12	E-141-2.0-2.5	3 S0 27FEB20 11:35
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20		
NJ-8082,TS		
L2008805-13	E-154-0.5-1.0	3 S0 27FEB20 12:40
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20		
NJ-8082,TS		
L2008805-14	E-154-2.0-2.5	3 S0 27FEB20 12:45
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20		
NJ-8082,TS		
L2008805-15	E-156-0.5-1.0	3 S0 27FEB20 13:05
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20		
NJ-8082,TS		
L2008805-16	E-157-0.5-1.0	3 S0 27FEB20 13:47
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20		
NJ-8082,TS		
L2008805-17	E-202-0.5-1.0	3 S0 27FEB20 14:25
LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 12 2020, 02:32 pm

Login Number: L2008805

Account: AMEC-NJ Wood Env & Infrastructure Solutions, Inc Project: 277710568.0008.06

Received: 27FEB20 Due Date: 12MAR20

Sample #	Client ID	Mat PR Collected
----------	-----------	------------------

NJ-8082,TS

L2008805-18 EB-15-02272020 1 S0 27FEB20 14:53

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20

NJ-8082-LVI

L2008805-19 X-13-02272020 3 S0 27FEB20 00:00

LOGIN: If included on COC, "For Lab Use" section is to be completed (lower-right side) Need to CC client PM on all invoices. Package Due Date: 03/12/20

NJ-8082,TS

ALPHA ANALYTICAL LABORATORIES
Container Tracking Report

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008805-01A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley
L2008805-01A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-01A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-01A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-01A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-01A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-02A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley
L2008805-02A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-02A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-02A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-02A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-02A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-03A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-03A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-03A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-03A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-03A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-04A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley
L2008805-04A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-04A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-04A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-04A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-04A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-05A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley
L2008805-05A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008805-05A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-05A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W3-S3-B	CUSTODY W3-S3-B	CUSTODY Geoffry Grace
L2008805-05A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2008805-05A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-06A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W4-S3-B	CUSTODY W4-S3-B	CUSTODY Brittney Kelley
L2008805-06A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Emmanuel Toro
L2008805-06A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-D	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-06A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W3-S3-D	CUSTODY W3-S3-D	CUSTODY Geoffry Grace
L2008805-06A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2008805-06A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-07A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W4-S3-B	CUSTODY W4-S3-B	CUSTODY Brittney Kelley
L2008805-07A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Emmanuel Toro
L2008805-07A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-07A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W3-S3-B	CUSTODY W3-S3-B	CUSTODY Geoffry Grace
L2008805-07A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2008805-07A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-08A	Glass-A.06	INTACT	01-MAR-20		LAMP-CUSTODY	Brittney Kelley	W4-S3-B	CUSTODY W4-S3-B	CUSTODY Brittney Kelley
L2008805-08A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	LAMP-CUSTODY	LAMP-CUSTODY	Brittney Kelley
L2008805-08A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Emmanuel Toro
L2008805-08A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B	CUSTODY Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-08A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN	CUSTODY Geoffry Grace	W3-S3-B	CUSTODY W3-S3-B	CUSTODY Geoffry Grace
L2008805-08A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Romany Ibrahim
L2008805-08A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-09A	Glass-A.25	INTACT	09-MAR-20	CUSTODY	RETURN WALK-IN	CUSTODY Phillip Renaud	W9-S3-A	CUSTODY W9-S3-A	CUSTODY Phillip Renaud
L2008805-09A	Glass-A.25	INTACT	07-MAR-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN	CUSTODY RETURN WALK-IN	CUSTODY Tian-long Chheou

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008805-09A	Glass-A.25	INTACT	07-MAR-20		W7-S3-D CUSTODY	Michael Lamb	ORGPREP	ORGPREP	Michael Lamb
L2008805-09A	Glass-A.25	INTACT	06-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W7-S3-D CUSTODY	W7-S3-D CUSTODY	Geoffry Grace
L2008805-09A	Glass-A.25	INTACT	06-MAR-20		LOGIN	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-09A	Glass-A.25	INTACT	06-MAR-20		W4-S3-B CUSTODY	Romany Ibrahim	LOGIN	LOGIN	Romany Ibrahim
L2008805-09A	Glass-A.25	INTACT	01-MAR-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley
L2008805-09A	Glass-A.25	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-09A	Glass-A.25	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-09A	Glass-A.25	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-09A	Glass-A.25	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-09A	Glass-A.25	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-10A	Glass-A.25	INTACT	09-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Phillip Renaud	W9-S3-A CUSTODY	W9-S3-A CUSTODY	Phillip Renaud
L2008805-10A	Glass-A.25	INTACT	07-MAR-20		ORGPREP	Tian-long Chheou	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Tian-long Chheou
L2008805-10A	Glass-A.25	INTACT	07-MAR-20		W4-S3-B CUSTODY	Michael Lamb	ORGPREP	ORGPREP	Michael Lamb
L2008805-10A	Glass-A.25	INTACT	01-MAR-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley
L2008805-10A	Glass-A.25	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-10A	Glass-A.25	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-10A	Glass-A.25	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-10A	Glass-A.25	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-10A	Glass-A.25	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-11A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN CUSTODY	Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley
L2008805-11A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-11A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-11A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-11A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-11A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008805-12A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley
L2008805-12A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-12A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-D CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-12A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W3-S3-D CUSTODY	W3-S3-D CUSTODY	Geoffry Grace
L2008805-12A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-12A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-13A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley
L2008805-13A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-13A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-13A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-13A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-13A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-14A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	LAMP-CUSTODY	LAMP-CUSTODY	Brittney Kelley
L2008805-14A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-14A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-14A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-14A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-14A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-15A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley
L2008805-15A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-15A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-15A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-15A	Glass-A.06	INTACT	28-FEB-20		CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-15A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-16A	Glass-A.06	INTACT	01-MAR-20		RETURN WALK-IN	CUSTODY Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2008805-16A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN	CUSTODY	RETURN WALK-IN CUSTODY Emmanuel Toro
L2008805-16A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-16A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-16A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-16A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-17A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley
L2008805-17A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-17A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-17A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-17A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-17A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-18A	Amber-A.120	INTACT	28-FEB-20	CUSTODY	CUSTODY	Brittney Kelley	R66-08 CUSTODY	R66-08 CUSTODY	Brittney Kelley
L2008805-18A	Amber-A.120	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-18B	Amber-A.120	INTACT	02-MAR-20	CUSTODY	ORGPREP	Vincent Phan	CUSTODY	CUSTODY	Vincent Phan
L2008805-18B	Amber-A.120	INTACT	02-MAR-20	CUSTODY	R66-08 CUSTODY	Vincent Phan	ORGPREP	ORGPREP	Vincent Phan
L2008805-18B	Amber-A.120	INTACT	28-FEB-20	CUSTODY	CUSTODY	Brittney Kelley	R66-08 CUSTODY	R66-08 CUSTODY	Brittney Kelley
L2008805-18B	Amber-A.120	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams
L2008805-19A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	RETURN WALK-IN CUSTODY	Brittney Kelley	W4-S3-B CUSTODY	W4-S3-B CUSTODY	Brittney Kelley
L2008805-19A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	ORGPREP	Emmanuel Toro	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Emmanuel Toro
L2008805-19A	Glass-A.06	INTACT	01-MAR-20	CUSTODY	W3-S3-B CUSTODY	Henry Otoo	ORGPREP	ORGPREP	Henry Otoo
L2008805-19A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	RETURN WALK-IN CUSTODY	Geoffry Grace	W3-S3-B CUSTODY	W3-S3-B CUSTODY	Geoffry Grace
L2008805-19A	Glass-A.06	INTACT	28-FEB-20	CUSTODY	CUSTODY	Romany Ibrahim	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Romany Ibrahim
L2008805-19A	Glass-A.06	INTACT	28-FEB-20	LOGIN	LOGIN	Brennan Williams	CUSTODY	CUSTODY	Brennan Williams

Methodology Review

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008805
Report Date: 03/12/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle



Project Name: AMTRAK-EAST BARRACKS

Project Number: 277710568.0008.06

Lab Number: L2008805

Report Date: 03/12/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2008805-01A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-02A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-03A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-04A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-05A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-06A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-07A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-08A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-09A	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-10A	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-11A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-12A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-13A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-14A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-15A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-16A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-17A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)
L2008805-18A	Amber 120ml unpreserved	A	7	7	2.3	Y	Absent		NJ-8082-LVI(7)
L2008805-18B	Amber 120ml unpreserved	A	7	7	2.3	Y	Absent		NJ-8082-LVI(7)
L2008805-19A	Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		NJ-8082(14),TS(7)

*Values in parentheses indicate holding time in days



NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire



**NJ DEP Data of Known Quality Protocols
 Conformance/Non-Conformance
 Summary Questionnaire**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature ($4 \pm 2^\circ \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".



Conformance/Non-Conformance Summary

Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008805
Report Date: 03/12/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008805
Report Date: 03/12/20

Case Narrative (continued)

Report Submission

March 12, 2020: This final report includes the results of the PCBs analysis performed on L2008805-09 and -10.

March 05, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

PCBs

In reference to question 5b:

L2008805-04, -06, -09, -11, -12, and -19: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

L2008805-09, -11, -12, and -19: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample.

Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Siffani Morrissey*

Report Date: 03/12/20

Title: Technical Director/Representative



Glossary

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008805
Report Date: 03/12/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: AMTRAK-EAST BARRACKS
Project Number: 277710568.0008.06

Lab Number: L2008805
Report Date: 03/12/20

Data Qualifiers

- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Organics



**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Sample Results Summary

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-01	Date Collected : 02/27/20 08:32
Client ID : E-174-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 13:02
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200301a-03	Analyst : CW
Sample Amount : 15.78 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0360	0.00320	U
11104-28-2	Aroclor 1221	ND	0.0360	0.00361	U
11141-16-5	Aroclor 1232	ND	0.0360	0.00763	U
53469-21-9	Aroclor 1242	ND	0.0360	0.00485	U
12672-29-6	Aroclor 1248	ND	0.0360	0.00540	U
11097-69-1	Aroclor 1254	0.0730	0.0360	0.00394	
11096-82-5	Aroclor 1260	0.0315	0.0360	0.00665	J
37324-23-5	Aroclor 1262	ND	0.0360	0.00457	U
11100-14-4	Aroclor 1268	ND	0.0360	0.00373	U
1336-36-3	PCBs, Total	0.104	0.0360	0.00320	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2008805-02D	Date Collected	: 02/27/20 08:44
Client ID	: E-174-2.0-2.5	Date Received	: 02/27/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 03/01/20 22:47
Sample Matrix	: SOIL	Date Extracted	: 03/01/20
Analytical Method	: 1,8082A	Dilution Factor	: 5
Lab File ID	: P7200301a-30	Analyst	: CW
Sample Amount	: 15.63 g	Instrument ID	: PEST7
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.186	0.0165	U
11104-28-2	Aroclor 1221	ND	0.186	0.0186	U
11141-16-5	Aroclor 1232	ND	0.186	0.0394	U
53469-21-9	Aroclor 1242	ND	0.186	0.0250	U
12672-29-6	Aroclor 1248	ND	0.186	0.0279	U
37324-23-5	Aroclor 1262	ND	0.186	0.0236	U
11100-14-4	Aroclor 1268	ND	0.186	0.0192	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-02D Client ID : E-174-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-30 Sample Amount : 15.63 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 08:44 Date Received : 02/27/20 Date Analyzed : 03/01/20 22:47 Date Extracted : 03/01/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 86 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	1.22	0.186	0.0203	
11096-82-5	Aroclor 1260	0.263	0.186	0.0343	
1336-36-3	PCBs, Total	1.48	0.186	0.0165	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-03	Date Collected : 02/27/20 08:54
Client ID : E-174-3.5-4.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 13:49
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200301a-07	Analyst : CW
Sample Amount : 15.03 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 85
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0390	0.00346	U
11104-28-2	Aroclor 1221	ND	0.0390	0.00391	U
11141-16-5	Aroclor 1232	ND	0.0390	0.00827	U
53469-21-9	Aroclor 1242	ND	0.0390	0.00526	U
12672-29-6	Aroclor 1248	ND	0.0390	0.00585	U
11097-69-1	Aroclor 1254	0.273	0.0390	0.00427	
11096-82-5	Aroclor 1260	ND	0.0390	0.00721	U
37324-23-5	Aroclor 1262	ND	0.0390	0.00495	U
11100-14-4	Aroclor 1268	ND	0.0390	0.00404	U
1336-36-3	PCBs, Total	0.273	0.0390	0.00346	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-04D	Date Collected : 02/27/20 09:33
Client ID : E-164-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 22:59
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : P7200301a-31	Analyst : CW
Sample Amount : 15.13 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 69
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.240	0.0214	U
11104-28-2	Aroclor 1221	ND	0.240	0.0241	U
11141-16-5	Aroclor 1232	ND	0.240	0.0510	U
53469-21-9	Aroclor 1242	ND	0.240	0.0324	U
12672-29-6	Aroclor 1248	ND	0.240	0.0361	U
11097-69-1	Aroclor 1254	ND	0.240	0.0263	U
37324-23-5	Aroclor 1262	ND	0.240	0.0305	U
11100-14-4	Aroclor 1268	ND	0.240	0.0249	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-04D Client ID : E-164-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-31 Sample Amount : 15.13 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 09:33 Date Received : 02/27/20 Date Analyzed : 03/01/20 22:59 Date Extracted : 03/01/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 69 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	2.13	0.240	0.0444	
1336-36-3	PCBs, Total	2.13	0.240	0.0214	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-05	Date Collected : 02/27/20 09:38
Client ID : E-164-2.0-2.5	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 14:13
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200301a-09	Analyst : CW
Sample Amount : 15.15 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 84
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0393	0.00349	U
11104-28-2	Aroclor 1221	ND	0.0393	0.00394	U
11141-16-5	Aroclor 1232	ND	0.0393	0.00833	U
53469-21-9	Aroclor 1242	ND	0.0393	0.00530	U
12672-29-6	Aroclor 1248	ND	0.0393	0.00589	U
11097-69-1	Aroclor 1254	ND	0.0393	0.00430	U
11096-82-5	Aroclor 1260	0.169	0.0393	0.00726	
37324-23-5	Aroclor 1262	ND	0.0393	0.00499	U
11100-14-4	Aroclor 1268	ND	0.0393	0.00407	U
1336-36-3	PCBs, Total	0.169	0.0393	0.00349	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-06D Client ID : E-205-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-32 Sample Amount : 15.31 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 10:15 Date Received : 02/27/20 Date Analyzed : 03/01/20 23:11 Date Extracted : 03/01/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 80 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.205	0.0182	U
11104-28-2	Aroclor 1221	ND	0.205	0.0206	U
11141-16-5	Aroclor 1232	ND	0.205	0.0435	U
53469-21-9	Aroclor 1242	ND	0.205	0.0276	U
12672-29-6	Aroclor 1248	ND	0.205	0.0308	U
11097-69-1	Aroclor 1254	ND	0.205	0.0224	U
37324-23-5	Aroclor 1262	ND	0.205	0.0260	U
11100-14-4	Aroclor 1268	ND	0.205	0.0212	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-06D Client ID : E-205-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-32 Sample Amount : 15.31 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 10:15 Date Received : 02/27/20 Date Analyzed : 03/01/20 23:11 Date Extracted : 03/01/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 80 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	1.72	0.205	0.0379	
1336-36-3	PCBs, Total	1.72	0.205	0.0182	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-07	Date Collected : 02/27/20 10:20
Client ID : E-205-2.0-2.5	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 14:36
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200301a-11	Analyst : CW
Sample Amount : 15.66 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 84
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0379	0.00336	U
11104-28-2	Aroclor 1221	ND	0.0379	0.00380	U
11141-16-5	Aroclor 1232	ND	0.0379	0.00803	U
53469-21-9	Aroclor 1242	ND	0.0379	0.00510	U
12672-29-6	Aroclor 1248	ND	0.0379	0.00568	U
11097-69-1	Aroclor 1254	ND	0.0379	0.00414	U
11096-82-5	Aroclor 1260	0.591	0.0379	0.00700	
37324-23-5	Aroclor 1262	ND	0.0379	0.00481	U
11100-14-4	Aroclor 1268	ND	0.0379	0.00392	U
1336-36-3	PCBs, Total	0.591	0.0379	0.00336	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-08 Client ID : E-205-3.0-3.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 16200301a-12 Sample Amount : 15.55 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 10:40 Date Received : 02/27/20 Date Analyzed : 03/01/20 14:48 Date Extracted : 03/01/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST16 GC Column : CLP-Pesticide %Solids : 88 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0366	0.00325	U
11104-28-2	Aroclor 1221	ND	0.0366	0.00367	U
11141-16-5	Aroclor 1232	ND	0.0366	0.00776	U
53469-21-9	Aroclor 1242	ND	0.0366	0.00494	U
12672-29-6	Aroclor 1248	ND	0.0366	0.00549	U
11097-69-1	Aroclor 1254	ND	0.0366	0.00401	U
11096-82-5	Aroclor 1260	0.478	0.0366	0.00677	
37324-23-5	Aroclor 1262	ND	0.0366	0.00465	U
11100-14-4	Aroclor 1268	ND	0.0366	0.00379	U
1336-36-3	PCBs, Total	0.478	0.0366	0.00325	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-09D	Date Collected : 02/27/20 10:55
Client ID : E-206-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/09/20 20:28
Sample Matrix : SOIL	Date Extracted : 03/07/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : P7200309a-48	Analyst : CW
Sample Amount : 15.51 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 80
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.807	0.0716	U
11104-28-2	Aroclor 1221	ND	0.807	0.0808	U
11141-16-5	Aroclor 1232	ND	0.807	0.171	U
53469-21-9	Aroclor 1242	ND	0.807	0.109	U
12672-29-6	Aroclor 1248	ND	0.807	0.121	U
11097-69-1	Aroclor 1254	ND	0.807	0.0883	U
37324-23-5	Aroclor 1262	ND	0.807	0.102	U
11100-14-4	Aroclor 1268	ND	0.807	0.0836	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-09D Client ID : E-206-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200309a-48 Sample Amount : 15.51 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 10:55 Date Received : 02/27/20 Date Analyzed : 03/09/20 20:28 Date Extracted : 03/07/20 Dilution Factor : 20 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 80 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	6.38	0.807	0.149	
1336-36-3	PCBs, Total	6.38	0.807	0.0716	



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

<p>Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-10 Client ID : E-206-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 13200309a-23 Sample Amount : 15.42 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y</p>	<p>Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 11:00 Date Received : 02/27/20 Date Analyzed : 03/09/20 13:33 Date Extracted : 03/07/20 Dilution Factor : 1 Analyst : JAW Instrument ID : PEST13 GC Column : CLP-Pesticide %Solids : 86 Injection Volume : 1 uL</p>
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0377	0.00335	U
11104-28-2	Aroclor 1221	ND	0.0377	0.00378	U
11141-16-5	Aroclor 1232	ND	0.0377	0.00799	U
53469-21-9	Aroclor 1242	ND	0.0377	0.00508	U
12672-29-6	Aroclor 1248	ND	0.0377	0.00566	U
11097-69-1	Aroclor 1254	ND	0.0377	0.00412	U
37324-23-5	Aroclor 1262	ND	0.0377	0.00479	U
11100-14-4	Aroclor 1268	ND	0.0377	0.00391	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2008805-10	Date Collected	: 02/27/20 11:00
Client ID	: E-206-2.0-2.5	Date Received	: 02/27/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 03/09/20 13:33
Sample Matrix	: SOIL	Date Extracted	: 03/07/20
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 13200309a-23	Analyst	: JAW
Sample Amount	: 15.42 g	Instrument ID	: PEST13
Extraction Method	: EPA 3546	GC Column	: CLP-PesticideII
Extract Volume	: 1000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.0647	0.0377	0.00697	
1336-36-3	PCBs, Total	0.0647	0.0377	0.00335	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-11D Client ID : E-141-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-35 Sample Amount : 15.45 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 11:30 Date Received : 02/27/20 Date Analyzed : 03/01/20 23:48 Date Extracted : 03/01/20 Dilution Factor : 500 Analyst : CW Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 83 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	19.4	1.72	U
11104-28-2	Aroclor 1221	ND	19.4	1.95	U
11141-16-5	Aroclor 1232	ND	19.4	4.12	U
53469-21-9	Aroclor 1242	ND	19.4	2.62	U
12672-29-6	Aroclor 1248	ND	19.4	2.91	U
37324-23-5	Aroclor 1262	ND	19.4	2.47	U
11100-14-4	Aroclor 1268	ND	19.4	2.01	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-11D Client ID : E-141-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-35 Sample Amount : 15.45 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 11:30 Date Received : 02/27/20 Date Analyzed : 03/01/20 23:48 Date Extracted : 03/01/20 Dilution Factor : 500 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 83 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	135.	19.4	2.12	
11096-82-5	Aroclor 1260	182.	19.4	3.59	
1336-36-3	PCBs, Total	317.	19.4	1.72	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2008805-12D	Date Collected	: 02/27/20 11:35
Client ID	: E-141-2.0-2.5	Date Received	: 02/27/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 03/02/20 00:00
Sample Matrix	: SOIL	Date Extracted	: 03/01/20
Analytical Method	: 1,8082A	Dilution Factor	: 500
Lab File ID	: P7200301a-36	Analyst	: CW
Sample Amount	: 15.67 g	Instrument ID	: PEST7
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	19.1	1.70	U
11104-28-2	Aroclor 1221	ND	19.1	1.91	U
11141-16-5	Aroclor 1232	ND	19.1	4.05	U
53469-21-9	Aroclor 1242	ND	19.1	2.58	U
12672-29-6	Aroclor 1248	ND	19.1	2.86	U
37324-23-5	Aroclor 1262	ND	19.1	2.43	U
11100-14-4	Aroclor 1268	ND	19.1	1.98	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-12D Client ID : E-141-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-36 Sample Amount : 15.67 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 11:35 Date Received : 02/27/20 Date Analyzed : 03/02/20 00:00 Date Extracted : 03/01/20 Dilution Factor : 500 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 84 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	75.4	19.1	2.09	
11096-82-5	Aroclor 1260	114.	19.1	3.53	
1336-36-3	PCBs, Total	189.	19.1	1.70	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-13	Date Collected : 02/27/20 12:40
Client ID : E-154-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 21:58
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200301a-26	Analyst : CW
Sample Amount : 15.23 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 90
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0363	0.00322	U
11104-28-2	Aroclor 1221	ND	0.0363	0.00364	U
11141-16-5	Aroclor 1232	ND	0.0363	0.00770	U
53469-21-9	Aroclor 1242	ND	0.0363	0.00490	U
12672-29-6	Aroclor 1248	ND	0.0363	0.00545	U
37324-23-5	Aroclor 1262	ND	0.0363	0.00461	U
11100-14-4	Aroclor 1268	ND	0.0363	0.00376	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-13 Client ID : E-154-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-26 Sample Amount : 15.23 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 12:40 Date Received : 02/27/20 Date Analyzed : 03/01/20 21:58 Date Extracted : 03/01/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 90 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11097-69-1	Aroclor 1254	0.0191	0.0363	0.00397	J
11096-82-5	Aroclor 1260	0.0360	0.0363	0.00671	J
1336-36-3	PCBs, Total	0.0551	0.0363	0.00322	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-14	Date Collected : 02/27/20 12:45
Client ID : E-154-2.0-2.5	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 21:45
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200301a-25	Analyst : CW
Sample Amount : 15.95 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 81
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0388	0.00344	U
11104-28-2	Aroclor 1221	ND	0.0388	0.00389	U
11141-16-5	Aroclor 1232	ND	0.0388	0.00822	U
53469-21-9	Aroclor 1242	ND	0.0388	0.00523	U
12672-29-6	Aroclor 1248	ND	0.0388	0.00582	U
11097-69-1	Aroclor 1254	ND	0.0388	0.00424	U
37324-23-5	Aroclor 1262	ND	0.0388	0.00493	U
11100-14-4	Aroclor 1268	ND	0.0388	0.00402	U



**Results Summary
Form 1
Polychlorinated Biphenyls by GC**

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-14 Client ID : E-154-2.0-2.5 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-25 Sample Amount : 15.95 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 12:45 Date Received : 02/27/20 Date Analyzed : 03/01/20 21:45 Date Extracted : 03/01/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 81 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	ND	0.0388	0.00717	U
1336-36-3	PCBs, Total	ND	0.0388	0.00344	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-15D	Date Collected : 02/27/20 13:05
Client ID : E-156-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/01/20 23:23
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 5
Lab File ID : P7200301a-33	Analyst : CW
Sample Amount : 15.7 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 94
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.169	0.0150	U
11104-28-2	Aroclor 1221	ND	0.169	0.0169	U
11141-16-5	Aroclor 1232	ND	0.169	0.0358	U
53469-21-9	Aroclor 1242	ND	0.169	0.0228	U
12672-29-6	Aroclor 1248	ND	0.169	0.0254	U
11097-69-1	Aroclor 1254	ND	0.169	0.0185	U
37324-23-5	Aroclor 1262	ND	0.169	0.0215	U
11100-14-4	Aroclor 1268	ND	0.169	0.0175	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-15D Client ID : E-156-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-33 Sample Amount : 15.7 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 13:05 Date Received : 02/27/20 Date Analyzed : 03/01/20 23:23 Date Extracted : 03/01/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 94 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	1.26	0.169	0.0312	
1336-36-3	PCBs, Total	1.26	0.169	0.0150	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab ID	: L2008805-16D	Date Collected	: 02/27/20 13:47
Client ID	: E-157-0.5-1.0	Date Received	: 02/27/20
Sample Location	: TRENTON, NJ	Date Analyzed	: 03/01/20 23:36
Sample Matrix	: SOIL	Date Extracted	: 03/01/20
Analytical Method	: 1,8082A	Dilution Factor	: 5
Lab File ID	: P7200301a-34	Analyst	: CW
Sample Amount	: 15.23 g	Instrument ID	: PEST7
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 95
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.174	0.0154	U
11104-28-2	Aroclor 1221	ND	0.174	0.0174	U
11141-16-5	Aroclor 1232	ND	0.174	0.0368	U
53469-21-9	Aroclor 1242	ND	0.174	0.0234	U
12672-29-6	Aroclor 1248	ND	0.174	0.0260	U
11097-69-1	Aroclor 1254	ND	0.174	0.0190	U
37324-23-5	Aroclor 1262	ND	0.174	0.0220	U
11100-14-4	Aroclor 1268	ND	0.174	0.0180	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-16D Client ID : E-157-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-34 Sample Amount : 15.23 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 13:47 Date Received : 02/27/20 Date Analyzed : 03/01/20 23:36 Date Extracted : 03/01/20 Dilution Factor : 5 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 95 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.996	0.174	0.0321	
1336-36-3	PCBs, Total	0.996	0.174	0.0154	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-17 Client ID : E-202-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-24 Sample Amount : 15.1 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 14:25 Date Received : 02/27/20 Date Analyzed : 03/01/20 21:33 Date Extracted : 03/01/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-Pesticide %Solids : 96 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0343	0.00305	U
11104-28-2	Aroclor 1221	ND	0.0343	0.00344	U
11141-16-5	Aroclor 1232	ND	0.0343	0.00728	U
53469-21-9	Aroclor 1242	ND	0.0343	0.00463	U
12672-29-6	Aroclor 1248	ND	0.0343	0.00515	U
11097-69-1	Aroclor 1254	ND	0.0343	0.00376	U
37324-23-5	Aroclor 1262	ND	0.0343	0.00436	U
11100-14-4	Aroclor 1268	ND	0.0343	0.00356	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-17 Client ID : E-202-0.5-1.0 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-24 Sample Amount : 15.1 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 14:25 Date Received : 02/27/20 Date Analyzed : 03/01/20 21:33 Date Extracted : 03/01/20 Dilution Factor : 1 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 96 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	0.145	0.0343	0.00635	
1336-36-3	PCBs, Total	0.145	0.0343	0.00305	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-18	Date Collected : 02/27/20 14:53
Client ID : EB-15-02272020	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/03/20 02:21
Sample Matrix : WATER	Date Extracted : 03/02/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200302a-36	Analyst : AD
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-19D	Date Collected : 02/27/20 00:00
Client ID : X-13-02272020	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 03/02/20 02:10
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 20
Lab File ID : P7200301a-37	Analyst : CW
Sample Amount : 15.81 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 70
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.906	0.0805	U
11104-28-2	Aroclor 1221	ND	0.906	0.0908	U
11141-16-5	Aroclor 1232	ND	0.906	0.192	U
53469-21-9	Aroclor 1242	ND	0.906	0.122	U
12672-29-6	Aroclor 1248	ND	0.906	0.136	U
11097-69-1	Aroclor 1254	ND	0.906	0.0991	U
37324-23-5	Aroclor 1262	ND	0.906	0.115	U
11100-14-4	Aroclor 1268	ND	0.906	0.0939	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : L2008805-19D Client ID : X-13-02272020 Sample Location : TRENTON, NJ Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : P7200301a-37 Sample Amount : 15.81 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : 02/27/20 00:00 Date Received : 02/27/20 Date Analyzed : 03/02/20 02:10 Date Extracted : 03/01/20 Dilution Factor : 20 Analyst : CW Instrument ID : PEST7 GC Column : CLP-PesticideII %Solids : 70 Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	3.53	0.906	0.167	
1336-36-3	PCBs, Total	3.53	0.906	0.0805	



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1345844-1	Date Collected : NA
Client ID : WG1345844-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 03/01/20 22:10
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P7200301a-27	Analyst : CW
Sample Amount : 15.65 g	Instrument ID : PEST7
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0319	0.00284	U
11104-28-2	Aroclor 1221	ND	0.0319	0.00320	U
11141-16-5	Aroclor 1232	ND	0.0319	0.00677	U
53469-21-9	Aroclor 1242	ND	0.0319	0.00431	U
12672-29-6	Aroclor 1248	ND	0.0319	0.00479	U
11097-69-1	Aroclor 1254	ND	0.0319	0.00350	U
11096-82-5	Aroclor 1260	ND	0.0319	0.00590	U
37324-23-5	Aroclor 1262	ND	0.0319	0.00406	U
11100-14-4	Aroclor 1268	ND	0.0319	0.00331	U
1336-36-3	PCBs, Total	ND	0.0319	0.00284	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1345844-5	Date Collected : 02/27/20 08:32
Client ID : E-174-0.5-1.0DUP	Date Received : 02/27/20
Sample Location :	Date Analyzed : 03/01/20 13:26
Sample Matrix : SOIL	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 16200301a-05	Analyst : CW
Sample Amount : 15.3 g	Instrument ID : PEST16
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 88
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0371	0.003	U
11104-28-2	Aroclor 1221	ND	0.0371	0.004	U
11141-16-5	Aroclor 1232	ND	0.0371	0.008	U
53469-21-9	Aroclor 1242	ND	0.0371	0.005	U
12672-29-6	Aroclor 1248	ND	0.0371	0.006	U
11097-69-1	Aroclor 1254	0.0750	0.0371	0.004	
11096-82-5	Aroclor 1260	0.0314	0.0371	0.007	J
37324-23-5	Aroclor 1262	ND	0.0371	0.005	U
11100-14-4	Aroclor 1268	ND	0.0371	0.004	U
1336-36-3	PCBs, Total	0.106	0.0371	0.003	J



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1345916-1	Date Collected : NA
Client ID : WG1345916-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 03/02/20 10:33
Sample Matrix : WATER	Date Extracted : 03/01/20
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : P2200302a-06	Analyst : HT
Sample Amount : 140 ml	Instrument ID : PEST2
Extraction Method : EPA 3510C	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.250	0.034	U
11104-28-2	Aroclor 1221	ND	0.250	0.067	U
11141-16-5	Aroclor 1232	ND	0.250	0.046	U
53469-21-9	Aroclor 1242	ND	0.250	0.039	U
12672-29-6	Aroclor 1248	ND	0.250	0.049	U
11097-69-1	Aroclor 1254	ND	0.250	0.039	U
11096-82-5	Aroclor 1260	ND	0.250	0.032	U
37324-23-5	Aroclor 1262	ND	0.250	0.035	U
11100-14-4	Aroclor 1268	ND	0.250	0.034	U
1336-36-3	PCBs, Total	ND	0.250	0.032	U



Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client : Wood Env & Infrastructure Solutions Project Name : AMTRAK-EAST BARRACKS Lab ID : WG1348141-1 Client ID : WG1348141-1BLANK Sample Location : Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 21200307a-19 Sample Amount : 15.44 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2008805 Project Number : 277710568.0008.06 Date Collected : NA Date Received : NA Date Analyzed : 03/07/20 13:03 Date Extracted : 03/06/20 Dilution Factor : 1 Analyst : HT Instrument ID : PEST21 GC Column : CLP-Pesticide %Solids : NA Injection Volume : 1 uL
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CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	0.0324	0.00288	U
11104-28-2	Aroclor 1221	ND	0.0324	0.00324	U
11141-16-5	Aroclor 1232	ND	0.0324	0.00686	U
53469-21-9	Aroclor 1242	ND	0.0324	0.00436	U
12672-29-6	Aroclor 1248	ND	0.0324	0.00486	U
11097-69-1	Aroclor 1254	ND	0.0324	0.00354	U
11096-82-5	Aroclor 1260	ND	0.0324	0.00598	U
37324-23-5	Aroclor 1262	ND	0.0324	0.00411	U
11100-14-4	Aroclor 1268	ND	0.0324	0.00335	U
1336-36-3	PCBs, Total	ND	0.0324	0.00288	U



Blank Results Summary

Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1345844-1	Lab File ID : P7200301a-27
Matrix : SOIL	Extraction Date : 03/01/20
Sulfur Cleanup : Y	
Analysis Date (1) : 03/01/20 22:10	Analysis Date (2) : 03/01/20 22:10
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
E-174-0.5-1.0	L2008805-01	03/01/20 13:02	03/01/20 13:02
E-174-0.5-1.0MS	WG1345844-4	03/01/20 13:14	03/01/20 13:14
E-174-0.5-1.0DUP	WG1345844-5	03/01/20 13:26	03/01/20 13:26
E-174-3.5-4.0	L2008805-03	03/01/20 13:49	03/01/20 13:49
E-164-2.0-2.5	L2008805-05	03/01/20 14:13	03/01/20 14:13
E-205-2.0-2.5	L2008805-07	03/01/20 14:36	03/01/20 14:36
E-205-3.0-3.5	L2008805-08	03/01/20 14:48	03/01/20 14:48
E-202-0.5-1.0	L2008805-17	03/01/20 21:33	03/01/20 21:33
E-154-2.0-2.5	L2008805-14	03/01/20 21:45	03/01/20 21:45
E-154-0.5-1.0	L2008805-13	03/01/20 21:58	03/01/20 21:58
WG1345844-2LCS	WG1345844-2	03/01/20 22:22	03/01/20 22:22
WG1345844-3LCSD	WG1345844-3	03/01/20 22:34	03/01/20 22:34
E-174-2.0-2.5	L2008805-02D	03/01/20 22:47	03/01/20 22:47
E-164-0.5-1.0	L2008805-04D	03/01/20 22:59	03/01/20 22:59
E-205-0.5-1.0	L2008805-06D	03/01/20 23:11	03/01/20 23:11
E-156-0.5-1.0	L2008805-15D	03/01/20 23:23	03/01/20 23:23
E-157-0.5-1.0	L2008805-16D	03/01/20 23:36	03/01/20 23:36
E-141-0.5-1.0	L2008805-11D	03/01/20 23:48	03/01/20 23:48
E-141-2.0-2.5	L2008805-12D	03/02/20 00:00	03/02/20 00:00
X-13-02272020	L2008805-19D	03/02/20 02:10	03/02/20 02:10



Method Blank Summary

Form 4

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : WG1345916-1	Lab File ID : P2200302a-06
Matrix : WATER	Extraction Date : 03/01/20
Sulfur Cleanup : Y	
Analysis Date (1) : 03/02/20 10:33	Analysis Date (2) : 03/02/20 10:33
Instrument ID (1) : PEST2	Instrument ID (2) : PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1345916-2LCS	WG1345916-2	03/02/20 10:46	03/02/20 10:46
WG1345916-3LCSD	WG1345916-3	03/02/20 11:00	03/02/20 11:00
EB-15-02272020	L2008805-18	03/03/20 02:21	03/03/20 02:21



**Method Blank Summary
Form 4
PCBs**

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: WG1348141-1	Lab File ID	: 21200307a-19
Matrix	: SOIL	Extraction Date	: 03/06/20
Sulfur Cleanup	: Y		
Analysis Date (1)	: 03/07/20 13:03	Analysis Date (2)	: 03/07/20 13:03
Instrument ID (1)	: PEST21	Instrument ID (2)	: PEST21

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1348141-2LCS	WG1348141-2	03/07/20 13:15	03/07/20 13:15
WG1348141-3LCSD	WG1348141-3	03/07/20 13:27	03/07/20 13:27
E-206-2.0-2.5	L2008805-10	03/09/20 13:33	03/09/20 13:33
E-206-0.5-1.0	L2008805-09D	03/09/20 20:28	03/09/20 20:28



Standards Data Summary



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Ical Ref : ICAL15997
Calibration dates : 07/28/19 02:30 07/28/19 13:31	

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.473	1.290	1.250	1.210	1.137	1.021	1.230	12.37
3) s Decachlorobiphenyl	1.026	0.864	0.827	0.777	0.743	0.662	0.817	15.21
4) 11 1016-1	0.029	0.025	0.023	0.021	0.019	0.017	0.022	18.43
5) 11 1016-2	0.063	0.053	0.049	0.045	0.041	0.036	0.048	19.80
6) 11 1016-3	0.124	0.108	0.104	0.099	0.093	0.083	0.102	13.64
7) 11 1016-4	0.053	0.048	0.043	0.040	0.038	0.034	0.043	15.82
8) 11 1016-5	0.056	0.049	0.046	0.043	0.041	0.037	0.045	14.66
9) 12 1260-1	0.075	0.064	0.060	0.057	0.054	0.049	0.060	14.99
10) 12 1260-2	0.111	0.096	0.091	0.086	0.082	0.073	0.090	14.56
11) 12 1260-3	0.062	0.059	0.056	0.053	0.052	0.047	0.055	9.75
12) 12 1260-4	0.146	0.130	0.125	0.120	0.114	0.098	0.122	13.22
13) 12 1260-5	0.100	0.088	0.085	0.080	0.079	0.072	0.084	11.45
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.015	0.014	0.013	0.012	0.011	0.010	0.012	14.08
16) 13 1221-3	0.010	0.009	0.008	0.007	0.007	0.006	0.008	16.46
17) 13 1221-4	0.037	0.031	0.029	0.026	0.024	0.022	0.028	19.89
18) 14 1254-1	0.055	0.046	0.044	0.041	0.039	0.036	0.043	15.13
19) 14 1254-2	0.097	0.081	0.077	0.072	0.068	0.063	0.076	15.79
20) 14 1254-3	0.090	0.077	0.074	0.070	0.066	0.061	0.073	13.58
21) 14 1254-4	0.068	0.062	0.058	0.056	0.053	0.049	0.058	11.79
22) 14 1254-5	0.094	0.080	0.077	0.074	0.070	0.066	0.077	12.65
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.018	0.016	0.015	0.014	0.012	0.016	16.30
25) 16 1242-2	0.043	0.037	0.035	0.031	0.029	0.027	0.034	17.65
26) 16 1242-3	0.085	0.077	0.074	0.069	0.068	0.062	0.073	11.36
27) 16 1242-4	0.039	0.037	0.034	0.032	0.030	0.028	0.034	11.86
28) 16 1242-5	0.028	0.026	0.025	0.024	0.023	0.021	0.024	9.69
29) 19 1268-1	0.164	0.145	0.141	0.131	0.121	0.105	0.135	15.17
30) 19 1268-2	0.162	0.148	0.141	0.132	0.123	0.110	0.136	13.59
31) 19 1268-3	0.108	0.098	0.094	0.088	0.083	0.076	0.091	12.44
32) 19 1268-4	0.053	0.048	0.047	0.044	0.043	0.040	0.046	9.66
33) 19 1268-5	0.292	0.267	0.255	0.234	0.212	0.179	0.240	16.83
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.027	0.027	0.025	0.024	0.022	0.026	12.33
36) 17 1248-2	0.044	0.036	0.036	0.033	0.032	0.027	0.035	16.84



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.064	0.061	0.054	0.051	0.049	0.044	0.054	13.95
38) 17 1248-4	0.057	0.051	0.048	0.045	0.044	0.040	0.047	12.58
39) 17 1248-5	0.047	0.043	0.041	0.039	0.038	0.035	0.040	11.04
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1	0.029	0.025	0.023	0.020	0.019	0.017	0.022	20.00
42) 15 1232-2	0.028	0.024	0.022	0.019	0.019	0.017	0.021	19.01
43) 15 1232-3	0.053	0.048	0.045	0.042	0.041	0.038	0.044	12.42
44) 15 1232-4	0.022	0.021	0.020	0.017	0.018	0.017	0.019	11.95
45) 15 1232-5	0.017	0.015	0.014	0.013	0.013	0.012	0.014	14.33
46) 18 1262-1	0.074	0.063	0.058	0.053	0.052	0.048	0.058	16.15
47) 18 1262-2	0.086	0.075	0.070	0.066	0.063	0.057	0.070	14.64
48) 18 1262-3	0.074	0.066	0.062	0.059	0.056	0.052	0.062	12.83
49) 18 1262-4	0.147	0.133	0.125	0.117	0.111	0.099	0.122	13.81
50) 18 1262-5	0.046	0.043	0.040	0.038	0.036	0.034	0.040	10.81



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.381	1.232	1.206	1.198	1.168	1.071	1.209	8.34
3) s Decachlorobip	0.882	0.739	0.722	0.700	0.682	0.636	0.727	11.55
4) 11 1016-1	0.027	0.024	0.022	0.020	0.019	0.018	0.022	15.75
5) 11 1016-2	0.059	0.051	0.047	0.044	0.042	0.039	0.047	15.56
6) 11 1016-3	0.113	0.099	0.094	0.091	0.091	0.084	0.095	10.57
7) 11 1016-4	0.044	0.038	0.036	0.034	0.033	0.031	0.036	12.33
8) 11 1016-5	0.036	0.031	0.029	0.028	0.027	0.025	0.029	13.42
9) 12 1260-1	0.069	0.058	0.053	0.051	0.050	0.047	0.054	14.48
10) 12 1260-2	0.078	0.066	0.061	0.059	0.058	0.054	0.063	13.09
11) 12 1260-3	0.061	0.053	0.050	0.049	0.048	0.045	0.051	10.80
12) 12 1260-4	0.122	0.108	0.104	0.103	0.101	0.093	0.105	9.18
13) 12 1260-5	0.088	0.075	0.072	0.070	0.070	0.066	0.074	10.50
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.016	0.013	0.012	0.011	0.010	0.010	0.012	16.89
16) 13 1221-3	0.009	0.008	0.008	0.007	0.007	0.006	0.008	14.40
17) 13 1221-4	0.035	0.030	0.028	0.026	0.024	0.022	0.027	15.95
18) 14 1254-1	0.053	0.044	0.041	0.039	0.038	0.036	0.042	13.97
19) 14 1254-2	0.063	0.050	0.047	0.045	0.043	0.041	0.048	16.16
20) 14 1254-3	0.090	0.077	0.072	0.070	0.067	0.064	0.073	12.70
21) 14 1254-4	0.060	0.050	0.048	0.046	0.045	0.043	0.049	12.53
22) 14 1254-5	0.081	0.069	0.065	0.063	0.061	0.059	0.066	11.77
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.019	0.017	0.016	0.014	0.013	0.012	0.015	16.00
25) 16 1242-2	0.042	0.037	0.034	0.031	0.030	0.028	0.034	15.54
26) 16 1242-3	0.078	0.070	0.068	0.066	0.063	0.060	0.067	9.13
27) 16 1242-4	0.025	0.023	0.022	0.020	0.020	0.019	0.021	11.23
28) 16 1242-5	0.025	0.023	0.021	0.020	0.019	0.018	0.021	10.92
29) 19 1268-1	0.142	0.125	0.121	0.117	0.113	0.103	0.120	10.81
30) 19 1268-2	0.142	0.126	0.121	0.118	0.115	0.106	0.121	9.84
31) 19 1268-3	0.096	0.083	0.080	0.078	0.076	0.072	0.081	10.46
32) 19 1268-4	0.048	0.044	0.041	0.039	0.038	0.037	0.041	10.31
33) 19 1268-5	0.248	0.239	0.228	0.219	0.206	0.181	0.220	11.03
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.026	0.024	0.023	0.023	0.021	0.024	10.31
36) 17 1248-2	0.036	0.032	0.029	0.027	0.026	0.025	0.029	14.43



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST7	Ical Ref	: ICAL15997
Calibration dates	: 07/28/19 02:30 07/28/19 13:31		

Signal #2 Calibration Files

1 =P7190728i-05.d 2 =P7190728i-06.d 3 =P7190728i-07.d 4 =P7190728i-08.d 5 =P7190728i-09.d
 6 =P7190728i-10.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.044	0.039	0.036	0.034	0.033	0.031	0.036	12.89
38) 17 1248-4	0.048	0.042	0.040	0.038	0.037	0.035	0.040	11.61
39) 17 1248-5	0.053	0.047	0.044	0.042	0.041	0.039	0.045	11.42
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.027	0.024	0.022	0.019	0.019	0.017	0.021	17.41
42) 15 1232-2	0.027	0.025	0.022	0.020	0.019	0.017	0.022	17.37
43) 15 1232-3	0.049	0.045	0.041	0.038	0.038	0.036	0.041	11.60
44) 15 1232-4	0.015	0.014	0.012	0.011	0.011	0.010	0.012	14.64
45) 15 1232-5	0.014	0.013	0.012	0.011	0.011	0.010	0.012	14.30
46) 18 1262-1	0.057	0.046	0.042	0.040	0.039	0.037	0.044	16.49
47) 18 1262-2	0.074	0.062	0.057	0.053	0.055	0.050	0.059	14.39
48) 18 1262-3	0.066	0.057	0.053	0.052	0.051	0.048	0.055	11.60
49) 18 1262-4	0.123	0.107	0.101	0.098	0.097	0.089	0.102	11.26
50) 18 1262-5	0.044	0.038	0.036	0.034	0.034	0.033	0.036	11.21



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	0.947	1.018	1.083	1.016	1.088	1.002	1.026	5.14
3) s Decachlorobip	1.024	0.984	1.091	0.932	1.007	0.870	0.985	7.79
4) 11 1016-1	0.021	0.020	0.021	0.018	0.019	0.016	0.019	9.46
5) 11 1016-2	0.043	0.042	0.044	0.041	0.041	0.036	0.041	6.98
6) 11 1016-3	0.062	0.050	0.052	0.048	0.051	0.045	0.051	11.54
7) 11 1016-4	0.033	0.035	0.038	0.034	0.035	0.031	0.034	6.86
8) 11 1016-5	0.024	0.027	0.029	0.026	0.027	0.024	0.026	7.23
9) 12 1260-1	0.056	0.059	0.065	0.055	0.057	0.051	0.057	8.25
10) 12 1260-2	0.072	0.091	0.096	0.082	0.087	0.077	0.084	10.65
11) 12 1260-3	0.045	0.064	0.063	0.053	0.058	0.052	0.056	13.09
12) 12 1260-4	0.107	0.114	0.124	0.111	0.125	0.113	0.116	6.11
13) 12 1260-5	0.114	0.091	0.097	0.083	0.090	0.078	0.092	13.70
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.010			0.010	0.00
16) 13 1221-3				0.006			0.006	0.00
17) 13 1221-4				0.025			0.025	0.00
18) 14 1254-1				0.037			0.037	0.00
19) 14 1254-2				0.068			0.068	0.00
20) 14 1254-3				0.065			0.065	0.00
21) 14 1254-4				0.050			0.050	0.00
22) 14 1254-5				0.074			0.074	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.014			0.014	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.027			0.027	0.00
27) 16 1242-4				0.021			0.021	0.00
28) 16 1242-5				0.020			0.020	0.00
29) 19 1268-1				0.162			0.162	0.00
30) 19 1268-2				0.177			0.177	0.00
31) 19 1268-3				0.113			0.113	0.00
32) 19 1268-4				0.052			0.052	0.00
33) 19 1268-5				0.333			0.333	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.020			0.020	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Calibration Files

1 =P2190806LVIIi-17.d 2 =P2190806LVIIi-03.d 3 =P2190806LVIIi-04.d 4 =P2190806LVIIi-08.d
 5 =P2190806LVIIi-06.d 6 =P2190806LVIIi-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.035			0.035	0.00
38) 17 1248-4				0.037			0.037	0.00
39) 17 1248-5				0.034			0.034	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.020			0.020	0.00
42) 15 1232-2				0.019			0.019	0.00
43) 15 1232-3				0.022			0.022	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.010			0.010	0.00
46) 18 1262-1				0.057			0.057	0.00
47) 18 1262-2				0.075			0.075	0.00
48) 18 1262-3				0.067			0.067	0.00
49) 18 1262-4				0.129			0.129	0.00
50) 18 1262-5				0.042			0.042	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.101	1.103	1.110	1.003	1.065	0.939	1.053	6.52
3) s Decachlorobip	0.985	0.870	0.891	0.748	0.778	0.669	0.823	13.76
4) 11 1016-1	0.024	0.022	0.022	0.019	0.019	0.016	0.020	13.34
5) 11 1016-2	0.049	0.049	0.048	0.042	0.042	0.036	0.044	11.92
6) 11 1016-3	0.054	0.054	0.054	0.047	0.049	0.042	0.050	9.51
7) 11 1016-4	0.035	0.034	0.033	0.032	0.033	0.028	0.032	7.85
8) 11 1016-5	0.031	0.029	0.031	0.026	0.027	0.023	0.028	11.45
9) 12 1260-1	0.072	0.061	0.061	0.050	0.050	0.045	0.057	17.50
10) 12 1260-2	0.075	0.068	0.068	0.058	0.062	0.055	0.064	11.47
11) 12 1260-3	0.063	0.057	0.058	0.049	0.052	0.046	0.054	11.23
12) 12 1260-4	0.124	0.115	0.118	0.102	0.109	0.095	0.110	9.52
13) 12 1260-5	0.110	0.086	0.088	0.072	0.075	0.066	0.083	19.03
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2				0.011			0.011	0.00
16) 13 1221-3				0.007			0.007	0.00
17) 13 1221-4				0.026			0.026	0.00
18) 14 1254-1				0.041			0.041	0.00
19) 14 1254-2				0.047			0.047	0.00
20) 14 1254-3				0.071			0.071	0.00
21) 14 1254-4				0.046			0.046	0.00
22) 14 1254-5				0.070			0.070	0.00
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1				0.015			0.015	0.00
25) 16 1242-2				0.037			0.037	0.00
26) 16 1242-3				0.025			0.025	0.00
27) 16 1242-4				0.022			0.022	0.00
28) 16 1242-5				0.021			0.021	0.00
29) 19 1268-1				0.135			0.135	0.00
30) 19 1268-2				0.143			0.143	0.00
31) 19 1268-3				0.091			0.091	0.00
32) 19 1268-4				0.049			0.049	0.00
33) 19 1268-5				0.259			0.259	0.00
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1				0.022			0.022	0.00
36) 17 1248-2				0.028			0.028	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Ical Ref : ICAL16010
Calibration dates : 08/06/19 03:29 08/06/19 07:39	

Signal #2 Calibration Files

1 =P2190806LVii-17.d 2 =P2190806LVii-03.d 3 =P2190806LVii-04.d 4 =P2190806LVii-08.d
 5 =P2190806LVii-06.d 6 =P2190806LVii-07.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3				0.034			0.034	0.00
38) 17 1248-4				0.038			0.038	0.00
39) 17 1248-5				0.044			0.044	0.00
40) i 3262_1br2nb	-----ISTD-----							
41) 15 1232-1				0.021			0.021	0.00
42) 15 1232-2				0.021			0.021	0.00
43) 15 1232-3				0.023			0.023	0.00
44) 15 1232-4				0.012			0.012	0.00
45) 15 1232-5				0.011			0.011	0.00
46) 18 1262-1				0.042			0.042	0.00
47) 18 1262-2				0.062			0.062	0.00
48) 18 1262-3				0.059			0.059	0.00
49) 18 1262-4				0.111			0.111	0.00
50) 18 1262-5				0.049			0.049	0.00



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.035	1.042	1.067	1.034	0.969	1.089	1.039	3.89
3) s Decachlorobiphenyl	0.939	0.851	0.852	0.848	0.769	0.850	0.851	6.34
4) 11 1016-1	0.024	0.020	0.021	0.018	0.016	0.017	0.019	14.55
5) 11 1016-2	0.050	0.047	0.045	0.041	0.036	0.039	0.043	12.39
6) 11 1016-3	0.086	0.082	0.082	0.078	0.072	0.079	0.080	5.87
7) 11 1016-4	0.038	0.036	0.036	0.033	0.030	0.032	0.034	8.88
8) 11 1016-5	0.038	0.039	0.039	0.036	0.032	0.035	0.036	7.19
9) 12 1260-1	0.062	0.056	0.056	0.052	0.047	0.051	0.054	9.15
10) 12 1260-2	0.089	0.082	0.082	0.079	0.071	0.077	0.080	7.62
11) 12 1260-3	0.054	0.052	0.052	0.048	0.046	0.050	0.050	6.05
12) 12 1260-4	0.110	0.105	0.107	0.107	0.100	0.111	0.107	3.85
13) 12 1260-5	0.079	0.076	0.078	0.076	0.070	0.078	0.076	4.20
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.011	0.011	0.011	0.011	0.010	0.010	0.011	6.66
16) 13 1221-2	0.006	0.007	0.007	0.007	0.006	0.006	0.006	8.85
17) 13 1221-3	0.032	0.028	0.026	0.027	0.023	0.023	0.026	13.08
18) 14 1254-1	0.050	0.043	0.039	0.040	0.036	0.035	0.041	13.23
19) 14 1254-2	0.085	0.073	0.067	0.070	0.063	0.062	0.070	12.27
20) 14 1254-3	0.086	0.075	0.071	0.076	0.070	0.069	0.075	8.28
21) 14 1254-4	0.062	0.055	0.052	0.054	0.049	0.048	0.053	9.62
22) 14 1254-5	0.080	0.072	0.069	0.073	0.068	0.067	0.071	6.64
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.017	0.017	0.016	0.014	0.013	0.013	0.015	12.12
25) 16 1242-2	0.044	0.041	0.037	0.032	0.031	0.029	0.036	16.90
26) 16 1242-3	0.074	0.067	0.065	0.060	0.059	0.058	0.064	9.62
27) 16 1242-4	0.027	0.024	0.024	0.021	0.021	0.020	0.023	11.96
28) 16 1242-5	0.025	0.023	0.023	0.020	0.020	0.019	0.022	10.85
29) 19 1268-1	0.166	0.147	0.150	0.141	0.145	0.142	0.148	6.27
30) 19 1268-2	0.180	0.156	0.158	0.148	0.151	0.148	0.157	7.63
31) 19 1268-3	0.110	0.100	0.101	0.094	0.097	0.096	0.100	5.71
32) 19 1268-4	0.044	0.046	0.049	0.046	0.047	0.046	0.046	3.26
33) 19 1268-5	0.333	0.281	0.297	0.283	0.294	0.286	0.296	6.49
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.054	0.055	0.051	0.049	0.047	0.048	0.051	6.37
36) 17 1248-2	0.043	0.042	0.039	0.036	0.034	0.034	0.038	10.22



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.065	0.060	0.058	0.053	0.051	0.051	0.056	9.53
38) 17 1248-4	0.052	0.049	0.048	0.044	0.044	0.045	0.047	6.35
39) 17 1248-5	0.043	0.041	0.040	0.038	0.038	0.038	0.040	5.65
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.026	0.022	0.020	0.018	0.018	0.017	0.020	16.89
42) 15 1232-2	0.024	0.021	0.022	0.019	0.017	0.017	0.020	13.78
43) 15 1232-3	0.039	0.038	0.037	0.035	0.033	0.035	0.036	6.49
44) 15 1232-4	0.017	0.018	0.017	0.015	0.015	0.015	0.016	9.16
45) 15 1232-5	0.012	0.012	0.012	0.011	0.010	0.010	0.011	8.20
46) 18 1262-1	0.058	0.055	0.053	0.049	0.047	0.049	0.052	7.75
47) 18 1262-2	0.073	0.070	0.067	0.063	0.061	0.064	0.066	6.94
48) 18 1262-3	0.056	0.061	0.059	0.056	0.055	0.058	0.058	4.16
49) 18 1262-4	0.119	0.125	0.123	0.119	0.120	0.126	0.122	2.45
50) 18 1262-5	0.037	0.037	0.038	0.036	0.035	0.037	0.037	2.44



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Signal #2 Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.022	1.030	1.076	1.057	0.976	1.079	1.040	3.75
3) s Decachlorobip	0.816	0.706	0.715	0.704	0.639	0.706	0.714	7.98
4) 11 1016-1	0.024	0.021	0.021	0.019	0.017	0.018	0.020	13.31
5) 11 1016-2	0.050	0.047	0.047	0.043	0.038	0.040	0.044	10.89
6) 11 1016-3	0.051	0.048	0.049	0.046	0.042	0.046	0.047	6.43
7) 11 1016-4	0.036	0.035	0.035	0.032	0.029	0.031	0.033	8.48
8) 11 1016-5	0.031	0.029	0.029	0.027	0.024	0.025	0.027	9.63
9) 12 1260-1	0.060	0.055	0.055	0.052	0.047	0.051	0.053	8.60
10) 12 1260-2	0.069	0.065	0.065	0.061	0.055	0.060	0.063	7.63
11) 12 1260-3	0.052	0.051	0.052	0.050	0.045	0.049	0.050	5.39
12) 12 1260-4	0.103	0.104	0.106	0.105	0.095	0.105	0.103	3.79
13) 12 1260-5	0.072	0.071	0.072	0.069	0.064	0.071	0.070	4.47
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-1	0.015	0.013	0.012	0.012	0.011	0.010	0.012	12.85
16) 13 1221-2	0.010	0.008	0.008	0.008	0.007	0.006	0.008	15.13
17) 13 1221-3	0.034	0.030	0.028	0.028	0.025	0.023	0.028	13.75
18) 14 1254-1	0.053	0.046	0.043	0.044	0.040	0.038	0.044	11.82
19) 14 1254-2	0.067	0.056	0.050	0.051	0.046	0.044	0.053	15.45
20) 14 1254-3	0.081	0.073	0.068	0.072	0.066	0.064	0.071	8.60
21) 14 1254-4	0.056	0.052	0.049	0.052	0.047	0.046	0.050	7.62
22) 14 1254-5	0.076	0.071	0.067	0.071	0.065	0.063	0.069	7.08
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.020	0.017	0.017	0.015	0.014	0.013	0.016	16.33
25) 16 1242-2	0.043	0.039	0.037	0.033	0.032	0.030	0.036	14.11
26) 16 1242-3	0.044	0.039	0.038	0.035	0.034	0.034	0.038	10.72
27) 16 1242-4	0.029	0.024	0.024	0.021	0.021	0.020	0.023	14.38
28) 16 1242-5	0.027	0.023	0.023	0.021	0.020	0.019	0.022	12.64
29) 19 1268-1	0.152	0.132	0.135	0.124	0.128	0.124	0.133	7.91
30) 19 1268-2	0.149	0.130	0.133	0.123	0.127	0.124	0.131	7.29
31) 19 1268-3	0.101	0.086	0.088	0.081	0.084	0.082	0.087	8.29
32) 19 1268-4	0.043	0.041	0.043	0.039	0.040	0.039	0.041	4.12
33) 19 1268-5	0.263	0.238	0.249	0.236	0.244	0.238	0.245	4.08
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.031	0.029	0.028	0.027	0.026	0.025	0.028	8.32
36) 17 1248-2	0.041	0.039	0.036	0.034	0.032	0.031	0.035	11.39



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Ical Ref : ICAL16334
Calibration dates : 11/25/19 18:54 11/26/19 00:38	

Signal #2 Calibration Files

1 =21191125ical-05.D 2 =21191125ical-06.D 3 =21191125ical-07.D 4 =21191125ical-08.D
 5 =21191125ical-09.D 6 =21191125ical-10.D

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.049	0.046	0.044	0.041	0.039	0.039	0.043	9.35
38) 17 1248-4	0.052	0.051	0.048	0.047	0.044	0.044	0.048	7.21
39) 17 1248-5	0.057	0.055	0.053	0.051	0.048	0.048	0.052	6.91
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.023	0.023	0.022	0.020	0.018	0.018	0.021	11.22
42) 15 1232-2	0.023	0.023	0.022	0.020	0.019	0.018	0.021	10.09
43) 15 1232-3	0.024	0.022	0.022	0.020	0.020	0.020	0.021	7.24
44) 15 1232-4	0.014	0.013	0.013	0.011	0.011	0.011	0.012	10.05
45) 15 1232-5	0.013	0.012	0.012	0.011	0.011	0.011	0.012	9.15
46) 18 1262-1	0.049	0.047	0.046	0.042	0.040	0.041	0.044	8.47
47) 18 1262-2	0.069	0.063	0.062	0.057	0.056	0.057	0.061	8.50
48) 18 1262-3	0.057	0.058	0.056	0.052	0.052	0.053	0.055	4.85
49) 18 1262-4	0.103	0.106	0.104	0.100	0.099	0.101	0.102	2.64
50) 18 1262-5	0.035	0.035	0.036	0.034	0.033	0.034	0.035	2.44



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST16	Ical Ref	: ICAL16473
Calibration dates	: 01/29/20 19:58 01/30/20 22:51		

Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.194	1.129	1.148	1.145	1.181	1.188	1.164	2.31
3) s Decachlorobiphenyl	0.914	0.819	0.823	0.765	0.781	0.805	0.818	6.36
4) 11 1016-1	0.024	0.020	0.019	0.017	0.017	0.016	0.019	14.72
5) 11 1016-2	0.050	0.041	0.040	0.038	0.037	0.036	0.040	12.94
6) 11 1016-3	0.101	0.091	0.089	0.087	0.086	0.086	0.090	6.59
7) 11 1016-4	0.043	0.037	0.036	0.034	0.034	0.033	0.036	10.09
8) 11 1016-5	0.045	0.039	0.038	0.035	0.036	0.037	0.039	9.31
9) 12 1260-1	0.067	0.056	0.055	0.052	0.053	0.053	0.056	9.86
10) 12 1260-2	0.100	0.087	0.086	0.080	0.081	0.083	0.086	8.44
11) 12 1260-3	0.061	0.054	0.054	0.050	0.052	0.053	0.054	6.62
12) 12 1260-4	0.137	0.125	0.128	0.120	0.121	0.123	0.126	4.89
13) 12 1260-5	0.091	0.081	0.082	0.077	0.079	0.083	0.082	5.60
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.013	0.013	0.010	0.010	0.011		0.011	11.66
16) 13 1221-3	0.008	0.008	0.006	0.006	0.006		0.007	14.26
17) 13 1221-4	0.030	0.030	0.024	0.023	0.024		0.026	13.18
18) 14 1254-1	0.046	0.045	0.037	0.037	0.041	0.038	0.041	9.87
19) 14 1254-2	0.081	0.080	0.065	0.066	0.073	0.066	0.072	9.87
20) 14 1254-3	0.077	0.080	0.066	0.069	0.076	0.068	0.073	7.87
21) 14 1254-4	0.060	0.062	0.050	0.053	0.059	0.054	0.056	7.89
22) 14 1254-5	0.080	0.083	0.067	0.072	0.080	0.073	0.076	8.18
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.013	0.015	13.62
25) 16 1242-2	0.039	0.033	0.032	0.030	0.029	0.029	0.032	12.23
26) 16 1242-3	0.075	0.069	0.070	0.069	0.069	0.067	0.070	4.10
27) 16 1242-4	0.035	0.032	0.031	0.030	0.030	0.030	0.031	6.42
28) 16 1242-5	0.027	0.023	0.023	0.023	0.023	0.023	0.024	6.86
29) 19 1268-1	0.167	0.158	0.155	0.150	0.149	0.141	0.153	5.72
30) 19 1268-2	0.169	0.156	0.155	0.154	0.153	0.149	0.156	4.43
31) 19 1268-3	0.110	0.099	0.099	0.100	0.100	0.100	0.101	4.34
32) 19 1268-4	0.055	0.049	0.047	0.048	0.049	0.050	0.050	5.26
33) 19 1268-5	0.315	0.295	0.290	0.286	0.277	0.260	0.287	6.36
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.024	0.024	0.022	0.025	0.022	0.024	9.72
36) 17 1248-2	0.039	0.033	0.032	0.029	0.032	0.029	0.032	11.87



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Ical Ref : ICAL16473
Calibration dates : 01/29/20 19:58 01/30/20 22:51	

Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.058	0.051	0.049	0.045	0.050	0.045	0.050	9.61
38) 17 1248-4	0.052	0.045	0.044	0.042	0.047	0.041	0.045	8.78
39) 17 1248-5	0.042	0.038	0.037	0.035	0.039	0.035	0.038	7.09
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.025	0.023	0.021	0.020	0.019	0.017	0.021	13.76
42) 15 1232-2	0.023	0.021	0.020	0.019	0.018	0.017	0.020	11.36
43) 15 1232-3	0.045	0.046	0.042	0.042	0.043	0.039	0.043	5.48
44) 15 1232-4	0.020	0.019	0.017	0.017	0.017	0.016	0.018	9.18
45) 15 1232-5	0.015	0.014	0.013	0.013	0.013	0.012	0.013	9.53
46) 18 1262-1	0.066	0.063	0.057	0.058	0.059	0.053	0.059	7.58
47) 18 1262-2	0.081	0.079	0.071	0.073	0.073	0.066	0.074	7.40
48) 18 1262-3	0.072	0.070	0.064	0.066	0.067	0.060	0.067	6.37
49) 18 1262-4	0.145	0.148	0.135	0.138	0.140	0.123	0.138	6.27
50) 18 1262-5	0.045	0.043	0.039	0.041	0.042	0.039	0.041	5.63



Initial Calibration Summary

Form 6

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Instrument ID	: PEST16	Ical Ref	: ICAL16473
Calibration dates	: 01/29/20 19:58 01/30/20 22:51		

Signal #2 Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.253	1.118	1.120	1.107	1.088	1.079	1.128	5.64
3) s Decachlorobip	0.732	0.629	0.628	0.593	0.589	0.621	0.632	8.22
4) 11 1016-1	0.024	0.020	0.019	0.017	0.016	0.016	*L	0.9979
5) 11 1016-2	0.052	0.043	0.041	0.038	0.036	0.035	*L	0.9987
6) 11 1016-3	0.104	0.089	0.087	0.083	0.079	0.078	*L	0.9993
7) 11 1016-4	0.040	0.034	0.033	0.031	0.030	0.029	*L	0.9994
8) 11 1016-5	0.034	0.027	0.026	0.025	0.025	0.025	*L	0.9999
9) 12 1260-1	0.061	0.051	0.049	0.047	0.046	0.047	0.050	11.70
10) 12 1260-2	0.069	0.060	0.059	0.055	0.054	0.055	0.059	9.61
11) 12 1260-3	0.055	0.047	0.046	0.044	0.043	0.045	0.047	8.76
12) 12 1260-4	0.109	0.098	0.098	0.093	0.091	0.094	0.097	6.76
13) 12 1260-5	0.076	0.065	0.065	0.062	0.062	0.065	0.066	7.93
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.013	0.013	0.011	0.010	0.010		*L	0.9965
16) 13 1221-3	0.008	0.008	0.007	0.006	0.006		*L	0.9952
17) 13 1221-4	0.032	0.031	0.025	0.023	0.023		*L	0.9957
18) 14 1254-1	0.049	0.047	0.038	0.038	0.041	0.038	0.042	12.15
19) 14 1254-2	0.041	0.041	0.033	0.034	0.037	0.034	0.036	10.07
20) 14 1254-3	0.084	0.083	0.062	0.069	0.074	0.067	0.073	12.26
21) 14 1254-4	0.055	0.056	0.044	0.046	0.051	0.045	0.050	10.08
22) 14 1254-5	0.072	0.073	0.058	0.061	0.067	0.062	0.065	9.32
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.012	0.014	13.92
25) 16 1242-2	0.039	0.034	0.034	0.031	0.029	0.028	0.033	12.18
26) 16 1242-3	0.077	0.070	0.070	0.066	0.064	0.062	0.068	7.59
27) 16 1242-4	0.026	0.023	0.022	0.021	0.020	0.020	0.022	9.96
28) 16 1242-5	0.025	0.022	0.022	0.021	0.020	0.020	0.022	8.50
29) 19 1268-1	0.139	0.123	0.123	0.120	0.117	0.114	0.123	7.27
30) 19 1268-2	0.137	0.124	0.126	0.124	0.122	0.121	0.126	4.76
31) 19 1268-3	0.090	0.080	0.081	0.080	0.079	0.079	0.082	5.01
32) 19 1268-4	0.045	0.039	0.039	0.039	0.039	0.040	0.040	6.16
33) 19 1268-5	0.246	0.228	0.229	0.224	0.216	0.160	0.217	13.66
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.028	0.025	0.024	0.021	0.023	0.020	0.024	12.00
36) 17 1248-2	0.036	0.030	0.028	0.025	0.027	0.024	0.029	14.64



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Ical Ref : ICAL16473
Calibration dates : 01/29/20 19:58 01/30/20 22:51	

Signal #2 Calibration Files

1 =16200129ical-22.d 2 =16200129ical-23.d 3 =16200129ical-40.d 4 =16200129ical-25.d
 5 =16200129ical-26.d 6 =16200129ical-27.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.044	0.037	0.036	0.032	0.035	0.031	0.036	12.41
38) 17 1248-4	0.049	0.042	0.040	0.037	0.040	0.036	0.041	11.26
39) 17 1248-5	0.054	0.047	0.045	0.041	0.044	0.040	0.045	11.07
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.025	0.022	0.021	0.020	0.018	0.017	0.020	14.60
42) 15 1232-2	0.025	0.022	0.021	0.020	0.019	0.018	0.021	11.74
43) 15 1232-3	0.047	0.042	0.042	0.041	0.041	0.037	0.042	7.48
44) 15 1232-4	0.015	0.013	0.013	0.012	0.012	0.011	0.013	10.54
45) 15 1232-5	0.015	0.012	0.012	0.012	0.012	0.011	0.012	10.29
46) 18 1262-1	0.051	0.044	0.044	0.044	0.043	0.040	0.044	8.43
47) 18 1262-2	0.069	0.060	0.060	0.060	0.059	0.055	0.060	7.86
48) 18 1262-3	0.062	0.054	0.054	0.055	0.055	0.050	0.055	7.19
49) 18 1262-4	0.114	0.104	0.103	0.106	0.104	0.094	0.104	6.14
50) 18 1262-5	0.085	0.072	0.070	0.072	0.072	0.067	0.073	8.17



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetrachloro-m-xylene	1.210	1.098	1.123	1.137	1.136	1.150	1.142	3.30
3) s Decachlorobiphenyl	0.939	0.777	0.786	0.803	0.793	0.793	0.815	7.51
4) 11 1016-1	0.025	0.020	0.019	0.018	0.017	0.016	*L	0.9984
5) 11 1016-2	0.055	0.043	0.042	0.039	0.038	0.037	*L	0.9994
6) 11 1016-3	0.099	0.083	0.084	0.083	0.082	0.084	*L	0.9998
7) 11 1016-4	0.045	0.036	0.035	0.034	0.033	0.033	*L	0.9999
8) 11 1016-5	0.046	0.039	0.037	0.036	0.035	0.035	*L	0.9999
9) 12 1260-1	0.067	0.055	0.054	0.054	0.052	0.053	0.056	9.83
10) 12 1260-2	0.099	0.083	0.082	0.082	0.080	0.081	0.084	8.66
11) 12 1260-3	0.068	0.054	0.052	0.053	0.052	0.053	0.055	11.65
12) 12 1260-4	0.139	0.123	0.124	0.124	0.123	0.123	0.126	5.01
13) 12 1260-5	0.092	0.079	0.078	0.080	0.079	0.082	0.082	6.33
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.012	0.013	0.012	0.010	0.011		0.012	10.94
16) 13 1221-3	0.008	0.008	0.007	0.006	0.006		0.007	13.34
17) 13 1221-4	0.032	0.031	0.027	0.023	0.024		0.027	14.58
18) 14 1254-1	0.047	0.046	0.041	0.036	0.039	0.037	0.041	10.70
19) 14 1254-2	0.078	0.079	0.071	0.064	0.070	0.065	0.071	8.80
20) 14 1254-3	0.073	0.078	0.071	0.065	0.072	0.066	0.071	6.46
21) 14 1254-4	0.055	0.059	0.054	0.049	0.055	0.052	0.054	5.79
22) 14 1254-5	0.078	0.083	0.076	0.070	0.077	0.073	0.076	6.06
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.013	0.015	13.66
25) 16 1242-2	0.041	0.034	0.034	0.031	0.030	0.029	0.033	13.50
26) 16 1242-3	0.075	0.065	0.067	0.064	0.066	0.064	0.067	6.37
27) 16 1242-4	0.037	0.031	0.031	0.030	0.029	0.029	0.031	9.48
28) 16 1242-5	0.024	0.021	0.021	0.021	0.021	0.021	0.022	5.80
29) 19 1268-1	0.158	0.145	0.150	0.146	0.150	0.142	0.148	3.90
30) 19 1268-2	0.159	0.148	0.152	0.153	0.156	0.151	0.153	2.60
31) 19 1268-3	0.103	0.094	0.097	0.098	0.101	0.099	0.099	3.09
32) 19 1268-4	0.047	0.044	0.045	0.045	0.047	0.047	0.046	3.30
33) 19 1268-5	0.283	0.267	0.276	0.273	0.278	0.262	0.273	2.77
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.025	0.022	0.021	0.020	0.022	0.021	0.022	8.34
36) 17 1248-2	0.040	0.033	0.031	0.029	0.031	0.029	0.032	12.15



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.045	0.037	0.036	0.035	0.038	0.035	0.038	10.38
38) 17 1248-4	0.045	0.040	0.040	0.039	0.043	0.039	0.041	6.08
39) 17 1248-5	0.045	0.041	0.038	0.037	0.039	0.036	0.039	8.39
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.026	0.022	0.021	0.020	0.019	0.017	0.021	14.84
42) 15 1232-2	0.026	0.021	0.021	0.019	0.019	0.017	0.021	14.45
43) 15 1232-3	0.047	0.041	0.040	0.040	0.040	0.038	0.041	7.27
44) 15 1232-4	0.020	0.018	0.018	0.017	0.017	0.016	0.018	9.68
45) 15 1232-5	0.013	0.012	0.012	0.011	0.012	0.011	0.012	4.71
46) 18 1262-1	0.066	0.057	0.056	0.056	0.057	0.054	0.058	7.25
47) 18 1262-2	0.084	0.073	0.072	0.072	0.072	0.068	0.074	7.48
48) 18 1262-3	0.074	0.065	0.064	0.065	0.065	0.062	0.066	6.18
49) 18 1262-4	0.140	0.132	0.135	0.138	0.139	0.130	0.136	2.95
50) 18 1262-5	0.041	0.038	0.038	0.039	0.040	0.039	0.039	2.48



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Signal #2 Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
1) i 1660_lbr2nb	-----ISTD-----							
2) s 2,4,5,6-Tetra	1.284	1.149	1.155	1.142	1.141	1.135	1.168	4.92
3) s Decachlorobip	0.766	0.655	0.641	0.644	0.649	0.663	0.670	7.15
4) 11 1016-1	0.023	0.020	0.019	0.018	0.017	0.016	0.019	13.06
5) 11 1016-2	0.052	0.045	0.043	0.040	0.039	0.038	0.043	11.96
6) 11 1016-3	0.101	0.090	0.087	0.086	0.083	0.082	0.088	7.82
7) 11 1016-4	0.037	0.037	0.032	0.032	0.031	0.031	0.034	8.99
8) 11 1016-5	0.031	0.029	0.027	0.027	0.027	0.027	0.028	6.22
9) 12 1260-1	0.062	0.056	0.054	0.053	0.052	0.052	0.055	7.41
10) 12 1260-2	0.073	0.067	0.064	0.063	0.061	0.062	0.065	6.81
11) 12 1260-3	0.058	0.054	0.052	0.051	0.051	0.051	0.053	5.26
12) 12 1260-4	0.120	0.108	0.107	0.107	0.106	0.106	0.109	5.04
13) 12 1260-5	0.077	0.069	0.069	0.069	0.069	0.071	0.071	4.78
14) i 2154_lbr2nb	-----ISTD-----							
15) 13 1221-2	0.012	0.013	0.012	0.010	0.011		0.011	8.78
16) 13 1221-3	0.007	0.008	0.007	0.006	0.007		0.007	9.40
17) 13 1221-4	0.030	0.030	0.027	0.023	0.024		0.027	12.22
18) 14 1254-1	0.049	0.051	0.046	0.041	0.045	0.040	0.045	9.87
19) 14 1254-2	0.039	0.042	0.038	0.034	0.038	0.035	0.038	7.66
20) 14 1254-3	0.078	0.084	0.076	0.068	0.075	0.067	0.074	8.44
21) 14 1254-4	0.050	0.056	0.051	0.045	0.050	0.046	0.050	7.94
22) 14 1254-5	0.084	0.082	0.073	0.065	0.072	0.066	0.074	10.74
23) i 4268_lbr2nb	-----ISTD-----							
24) 16 1242-1	0.018	0.015	0.015	0.014	0.013	0.012	0.015	12.30
25) 16 1242-2	0.041	0.035	0.035	0.032	0.031	0.029	0.034	12.05
26) 16 1242-3	0.077	0.068	0.071	0.067	0.066	0.064	0.069	6.64
27) 16 1242-4	0.026	0.023	0.023	0.022	0.022	0.021	0.023	6.95
28) 16 1242-5	0.023	0.021	0.021	0.020	0.021	0.020	0.021	4.07
29) 19 1268-1	0.143	0.125	0.131	0.126	0.128	0.125	0.130	5.38
30) 19 1268-2	0.146	0.130	0.137	0.133	0.134	0.132	0.135	4.31
31) 19 1268-3	0.092	0.081	0.086	0.083	0.085	0.085	0.085	4.52
32) 19 1268-4	0.039	0.037	0.042	0.039	0.039	0.040	0.039	4.23
33) 19 1268-5	0.243	0.217	0.233	0.226	0.226	0.192	0.223	7.75
34) i 1248_lbr2nb	-----ISTD-----							
35) 17 1248-1	0.025	0.023	0.022	0.021	0.023	0.021	0.023	7.35
36) 17 1248-2	0.035	0.031	0.029	0.028	0.029	0.026	0.030	9.91



Initial Calibration Summary

Form 6

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Ical Ref : ICAL16554
Calibration dates : 02/21/20 00:15 02/21/20 06:08	

Signal #2 Calibration Files

1 =13200220ical-03.d 2 =13200220ical-04.d 3 =13200220ical-05.d 4 =13200220ical-37.d
 5 =13200220ical-07.d 6 =13200220ical-08.d

Compound	1	2	3	4	5	6	Avg	%RSD
37) 17 1248-3	0.043	0.038	0.036	0.035	0.037	0.033	0.037	8.90
38) 17 1248-4	0.045	0.040	0.039	0.038	0.040	0.037	0.040	7.23
39) 17 1248-5	0.054	0.048	0.045	0.044	0.046	0.042	0.047	8.98
40) i 3262_lbr2nb	-----ISTD-----							
41) 15 1232-1	0.024	0.022	0.022	0.020	0.019	0.017	0.021	12.53
42) 15 1232-2	0.024	0.022	0.022	0.021	0.020	0.018	0.021	10.28
43) 15 1232-3	0.046	0.042	0.042	0.041	0.041	0.038	0.042	6.40
44) 15 1232-4	0.015	0.013	0.013	0.012	0.012	0.012	0.013	7.77
45) 15 1232-5	0.012	0.011	0.012	0.011	0.011	0.011	0.011	3.51
46) 18 1262-1	0.051	0.048	0.048	0.046	0.046	0.043	0.047	5.42
47) 18 1262-2	0.071	0.069	0.066	0.066	0.063	0.062	0.066	5.25
48) 18 1262-3	0.066	0.061	0.061	0.059	0.059	0.056	0.060	5.06
49) 18 1262-4	0.121	0.114	0.114	0.113	0.112	0.106	0.113	4.41
50) 18 1262-5	0.036	0.036	0.036	0.035	0.036	0.035	0.036	0.96



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Calibration Date : 03/01/20 09:14
Lab File ID : 16200301a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1345888-1	Init. Calib. Times : 19:58 22:51
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	56	0
2,4,5,6-Tetrachloro-m-xylene	160	164.5	-	-2.8	20	59	0
Decachlorobiphenyl	320	299.933	-	6.3	20	57	0
1016-1	2500	2283.797	-	8.6	20	56	0
1016-2	2500	2520.079	-	-0.8	20	61	0
1016-3	2500	2517.911	-	-0.7	20	59	0
1016-4	2500	2453.498	-	1.9	20	59	0
1016-5	2500	2378.478	-	4.9	20	58	0
1260-1	2500	2443.67	-	2.3	20	60	0
1260-2	2500	2353.976	-	5.8	20	57	0
1260-3	2500	2133.771	-	14.6	20	51	0
1260-4	2500	2223.979	-	11	20	53	0
1260-5	2500	2259.782	-	9.6	20	54	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST16	Calibration Date : 03/01/20 09:14
Lab File ID : 16200301a-02	Init. Calib. Date(s) : 01/29/20 01/30/20
Sample No : WG1345888-1	Init. Calib. Times : 19:58 22:51
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	76	0
2,4,5,6-Tetrachloro-m-xylene	160	159.592	-	0.3	20	77	0
Decachlorobiphenyl #2	320	302.554	-	5.5	20	77	.01
1016-1 #2	2500	2578.075	-	-3.1	20	75	0
1016-2 #2	2500	2783.827	-	-11.4	20	81	0
1016-3 #2	2500	2755.458	-	-10.2	20	80	0
1016-4 #2	2500	2700.109	-	-8	20	80	0
1016-5 #2	2500	2526.88	-	-1.1	20	77	0
1260-1 #2	2500	2556.847	-	-2.3	20	83	0
1260-2 #2	2500	2465.141	-	1.4	20	79	0
1260-3 #2	2500	2154.935	-	13.8	20	70	0
1260-4 #2	2500	2113.95	-	15.4	20	67	0
1260-5 #2	2500	2218.447	-	11.3	20	72	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Calibration Date : 03/01/20 16:36
Lab File ID : P7200301a-23	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1345889-2	Init. Calib. Times : 02:30 13:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	103	0
2,4,5,6-Tetrachloro-m-xylene	160	148.713	-	7.1	20	97	0
Decachlorobiphenyl	320	307.809	-	3.8	20	104	0
1016-1	2500	2224.65	-	11	20	98	0
1016-2	2500	2165.978	-	13.4	20	95	0
1016-3	2500	1983.014	-	20.7*	20	84	0
1016-4	2500	2039.258	-	18.4	20	89	0
1016-5	2500	2002.914	-	19.9	20	87	0
1260-1	2500	2336.771	-	6.5	20	101	0
1260-2	2500	2163.538	-	13.5	20	93	0
1260-3	2500	2291.868	-	8.3	20	97	0
1260-4	2500	2146.178	-	14.2	20	90	0
1260-5	2500	2276.437	-	8.9	20	98	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Calibration Date : 03/01/20 16:36
Lab File ID : P7200301a-23	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1345889-2	Init. Calib. Times : 02:30 13:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	99	0
2,4,5,6-Tetrachloro-m-xylene	160	146.211	-	8.6	20	91	-.01
Decachlorobiphenyl #2	320	327.889	-	-2.5	20	106	-.01
1016-1 #2	2500	2235.858	-	10.6	20	94	-.01
1016-2 #2	2500	2196.211	-	12.2	20	93	-.01
1016-3 #2	2500	2119.78	-	15.2	20	88	-.01
1016-4 #2	2500	2159.032	-	13.6	20	90	-.01
1016-5 #2	2500	2173.097	-	13.1	20	92	-.02
1260-1 #2	2500	2514.14	-	-0.6	20	106	-.02
1260-2 #2	2500	2579.685	-	-3.2	20	108	-.02
1260-3 #2	2500	2532.474	-	-1.3	20	106	-.01
1260-4 #2	2500	2443.368	-	2.3	20	99	-.01
1260-5 #2	2500	2152.346	-	13.9	20	89	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 03/02/20 08:17
Lab File ID : P2200302a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1346069-1	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	147	0
2,4,5,6-Tetrachloro-m-xylene	16	15.425	-	3.6	20	143	0
Decachlorobiphenyl	32	29.915	-	6.5	20	145	-.01
1016-1	250	245.636	-	1.7	20	150	0
1016-2	250	216.79	-	13.3	20	128	0
1016-3	250	228.985	-	8.4	20	144	0
1016-4	250	251.652	-	-0.7	20	150	-.01
1016-5	250	267.504	-	-7	20	158	-.01
1260-1	250	242.374	-	3.1	20	149	0
1260-2	250	253.663	-	-1.5	20	153	0
1260-3	250	238.228	-	4.7	20	146	0
1260-4	250	247.418	-	1	20	151	0
1260-5	250	217.607	-	13	20	142	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 03/02/20 08:17
Lab File ID : P2200302a-02	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1346069-1	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	113	0
2,4,5,6-Tetrachloro-m-xylene	16	16.043	-	-0.3	20	119	0
Decachlorobiphenyl #2	32	32.351	-	-1.1	20	125	-0.3
1016-1 #2	250	252.327	-	-0.9	20	122	-0.1
1016-2 #2	250	256.383	-	-2.6	20	122	-0.1
1016-3 #2	250	249.877	-	0	20	119	-0.1
1016-4 #2	250	252.462	-	-1	20	116	-0.1
1016-5 #2	250	241.876	-	3.2	20	116	-0.1
1260-1 #2	250	263.94	-	-5.6	20	134	-0.1
1260-2 #2	250	263.951	-	-5.6	20	132	-0.1
1260-3 #2	250	257.574	-	-3	20	127	-0.1
1260-4 #2	250	257.146	-	-2.9	20	125	-0.1
1260-5 #2	250	237.153	-	5.1	20	122	-0.1

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 03/02/20 15:09
Lab File ID : P2200302a-22	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1346069-5	Init. Calib. Times : 03:29 07:39
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	25	25	-	0	20	107	0
2,4,5,6-Tetrachloro-m-xylene	16	17.197	-	-7.5	20	116	0
Decachlorobiphenyl	32	35.158	-	-9.9	20	125	.01
1016-1	250	283.845	-	-13.5	20	127	0
1016-2	250	276.114	-	-10.4	20	120	0
1016-3	250	274.613	-	-9.8	20	126	0
1016-4	250	290.229	-	-16.1	20	126	0
1016-5	250	306.505	-	-22.6*	20	133	0
1260-1	250	294.707	-	-17.9	20	132	0
1260-2	250	303.86	-	-21.5*	20	134	0
1260-3	250	273.055	-	-9.2	20	122	0
1260-4	250	284.154	-	-13.7	20	127	0
1260-5	250	255.863	-	-2.3	20	122	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST2	Calibration Date : 03/02/20 15:09
Lab File ID : P2200302a-22	Init. Calib. Date(s) : 08/06/19 08/06/19
Sample No : WG1346069-5	Init. Calib. Times : 03:29 07:39
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	25	25	-	0	20	82	0
2,4,5,6-Tetrachloro-m-xylene	16	17.418	-	-8.9	20	94	0
Decachlorobiphenyl #2	32	37.227	-	-16.3	20	105	.02
1016-1 #2	250	257.948	-	-3.2	20	90	0
1016-2 #2	250	265.973	-	-6.4	20	92	-.01
1016-3 #2	250	255.868	-	-2.3	20	89	-.01
1016-4 #2	250	258.155	-	-3.3	20	86	-.01
1016-5 #2	250	252.324	-	-0.9	20	88	-.01
1260-1 #2	250	277.376	-	-11	20	102	-.01
1260-2 #2	250	285.323	-	-14.1	20	104	-.01
1260-3 #2	250	286.751	-	-14.7	20	103	0
1260-4 #2	250	285.317	-	-14.1	20	101	0
1260-5 #2	250	252.614	-	-1	20	95	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Calibration Date : 03/07/20 09:05
Lab File ID : 21200307a-02	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1348385-1	Init. Calib. Times : 18:54 00:38
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	97	0
2,4,5,6-Tetrachloro-m-xylene	160	162.977	-	-1.9	15	100	0
Decachlorobiphenyl	320	221.408	-	30.8*	15	68	0
1016-1	2500	2510.772	-	-0.4	15	103	0
1016-2	2500	2394.544	-	4.2	15	98	0
1016-3	2500	2542.729	-	-1.7	15	101	0
1016-4	2500	2500.041	-	-0	15	100	0
1016-5	2500	2531.508	-	-1.3	15	100	0
1260-1	2500	2241.802	-	10.3	15	90	0
1260-2	2500	2179.847	-	12.8	15	86	0
1260-3	2500	2160.509	-	13.6	15	88	0
1260-4	2500	2157.909	-	13.7	15	84	0
1260-5	2500	2022.37	-	19.1*	15	79	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST21	Calibration Date : 03/07/20 09:05
Lab File ID : 21200307a-02	Init. Calib. Date(s) : 11/25/19 11/26/19
Sample No : WG1348385-1	Init. Calib. Times : 18:54 00:38
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	103	0
2,4,5,6-Tetrachloro-m-xylene	160	161.047	-	-0.7	15	102	0
Decachlorobiphenyl #2	320	212.485	-	33.6*	15	70	0
1016-1 #2	2500	2415.209	-	3.4	15	104	0
1016-2 #2	2500	2452.582	-	1.9	15	105	0
1016-3 #2	2500	2538.742	-	-1.5	15	107	0
1016-4 #2	2500	2442.358	-	2.3	15	103	0
1016-5 #2	2500	2413.383	-	3.5	15	103	0
1260-1 #2	2500	2192.063	-	12.3	15	93	0
1260-2 #2	2500	2149.144	-	14	15	91	0
1260-3 #2	2500	2013.635	-	19.5*	15	83	0
1260-4 #2	2500	1984.526	-	20.6*	15	80	0
1260-5 #2	2500	1848.173	-	26.1*	15	77	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 03/09/20 08:25
Lab File ID : 13200309a-03	Init. Calib. Date(s) : 02/21/20 02/21/20
Sample No : WG1348702-1	Init. Calib. Times : 00:15 06:08
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	110	0
2,4,5,6-Tetrachloro-m-xylene	160	148.781	-	7	20	102	.01
Decachlorobiphenyl	320	271.174	-	15.3	20	94	.03
1016-1	2500	2649.103	-	-6	20	111	.01
1016-2	2500	2481.186	-	0.8	20	106	.01
1016-3	2500	2437.973	-	2.5	20	108	.01
1016-4	2500	2466.37	-	1.3	20	107	.01
1016-5	2500	2464.944	-	1.4	20	107	.01
1260-1	2500	2302.362	-	7.9	20	105	0
1260-2	2500	2315.191	-	7.4	20	105	0
1260-3	2500	2206.632	-	11.7	20	101	0
1260-4	2500	2270.044	-	9.2	20	101	0
1260-5	2500	2123.378	-	15.1	20	95	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST13	Calibration Date : 03/09/20 08:25
Lab File ID : 13200309a-03	Init. Calib. Date(s) : 02/21/20 02/21/20
Sample No : WG1348702-1	Init. Calib. Times : 00:15 06:08
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	130	0
2,4,5,6-Tetrachloro-m-xylene	160	145.755	-	8.9	20	121	0
Decachlorobiphenyl #2	320	248.136	-	22.5*	20	105	.03
1016-1 #2	2500	2276.06	-	9	20	125	0
1016-2 #2	2500	2288.156	-	8.5	20	125	0
1016-3 #2	2500	2353.975	-	5.8	20	125	-.01
1016-4 #2	2500	2317.877	-	7.3	20	125	-.01
1016-5 #2	2500	2385.448	-	4.6	20	127	-.01
1260-1 #2	2500	2241.695	-	10.3	20	121	-.01
1260-2 #2	2500	2200.352	-	12	20	118	-.01
1260-3 #2	2500	2034.713	-	18.6	20	109	-.01
1260-4 #2	2500	2020.889	-	19.2	20	107	0
1260-5 #2	2500	2009.014	-	19.6	20	107	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Calibration Date : 03/09/20 17:33
Lab File ID : P7200309a-42	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1348705-3	Init. Calib. Times : 02:30 13:31
Channel : A	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	112	0
2,4,5,6-Tetrachloro-m-xylene	160	156.967	-	1.9	20	112	.01
Decachlorobiphenyl	320	341.762	-	-6.8	20	126	0
1016-1	2500	2193.299	-	12.3	20	105	.01
1016-2	2500	2246.523	-	10.1	20	108	.01
1016-3	2500	2271.327	-	9.1	20	105	.01
1016-4	2500	2221.826	-	11.1	20	106	.01
1016-5	2500	2235.045	-	10.6	20	106	.01
1260-1	2500	2382.413	-	4.7	20	113	.01
1260-2	2500	2419.259	-	3.2	20	114	.01
1260-3	2500	2489.176	-	0.4	20	115	.01
1260-4	2500	2447.091	-	2.1	20	112	0
1260-5	2500	2574.171	-	-3	20	121	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Instrument ID : PEST7	Calibration Date : 03/09/20 17:33
Lab File ID : P7200309a-42	Init. Calib. Date(s) : 07/28/19 07/28/19
Sample No : WG1348705-3	Init. Calib. Times : 02:30 13:31
Channel : B	

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	113	0
2,4,5,6-Tetrachloro-m-xylene	160	149.561	-	6.5	20	107	0
Decachlorobiphenyl #2	320	355.294	-	-11	20	130	0
1016-1 #2	2500	2266.784	-	9.3	20	108	0
1016-2 #2	2500	2227.633	-	10.9	20	107	0
1016-3 #2	2500	2376.588	-	4.9	20	112	0
1016-4 #2	2500	2376.009	-	5	20	113	0
1016-5 #2	2500	2435.886	-	2.6	20	117	0
1260-1 #2	2500	2559.834	-	-2.4	20	124	0
1260-2 #2	2500	2648.898	-	-6	20	127	0
1260-3 #2	2500	2637.762	-	-5.5	20	125	0
1260-4 #2	2500	2780.245	-	-11.2	20	129	0
1260-5 #2	2500	2667.036	-	-6.7	20	126	0

* Value outside of QC limits.



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008805
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST7 **Initial Calib. Date(s)** : 07/28/19 07/28/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1214573-1	07/28/19 02:30
1242/1268 L2	R1214573-2	07/28/19 02:43
1242/1268 L3	R1214573-6	07/28/19 02:56
1242/1268 L4	R1214573-3	07/28/19 03:09
1242/1268 L5	R1214573-4	07/28/19 03:22
1242/1268 L6	R1214573-5	07/28/19 03:35
1232/1262 L1	R1214573-7	07/28/19 03:48
1232/1262 L2	R1214573-8	07/28/19 04:01
1232/1262 L3	R1214573-12	07/28/19 04:14
1232/1262 L4	R1214573-13	07/28/19 09:12
1232/1262 L5	R1214573-14	07/28/19 09:24
1232/1262 L6	R1214573-15	07/28/19 09:37
1248 L1	R1214573-9	07/28/19 09:50
1248 L2	R1214573-10	07/28/19 10:03
1248 L3	R1214573-11	07/28/19 10:16
1248 L4	R1214573-16	07/28/19 10:29
1248 L5	R1214573-17	07/28/19 10:42
1248 L6	R1214573-18	07/28/19 10:55
1221/1254 L1	R1214573-20	07/28/19 11:08
1221/1254 L2	R1214573-19	07/28/19 11:21
1221/1254 L3	R1214573-21	07/28/19 11:34
1221/1254 L4	R1214573-22	07/28/19 11:47
1221/1254 L5	R1214573-24	07/28/19 12:00
1221/1254 L6	R1214573-23	07/28/19 12:13
1016/1260 L1	R1214573-25	07/28/19 12:26
1016/1260 L2	R1214573-26	07/28/19 12:39
1016/1260 L3	R1214573-27	07/28/19 12:52
1016/1260 L4	R1214573-28	07/28/19 13:05
1016/1260 L5	R1214573-29	07/28/19 13:18
1016/1260 L6	R1214573-30	07/28/19 13:31
R1214573-31 ICV	R1214573-31	07/28/19 13:44
R1214573-32 ICV	R1214573-32	07/28/19 13:57
R1214573-33 ICV	R1214573-33	07/28/19 14:10
R1214573-34 ICV	R1214573-34	07/28/19 14:23
R1214573-35 ICV	R1214573-35	07/28/19 14:36
WG1345889-2 CCAL	WG1345889-2	03/01/20 16:36
E-202-0.5-1.0	L2008805-17	03/01/20 21:33
E-154-2.0-2.5	L2008805-14	03/01/20 21:45
E-154-0.5-1.0	L2008805-13	03/01/20 21:58
WG1345844-1 BLANK	WG1345844-1	03/01/20 22:10
WG1345844-2 LCS	WG1345844-2	03/01/20 22:22
WG1345844-3 LCSD	WG1345844-3	03/01/20 22:34



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008805
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST7 **Initial Calib. Date(s)** : 07/28/19 07/28/19

Client ID	Lab ID	Date/Time Analyzed
E-174-2.0-2.5	L2008805-02 D	03/01/20 22:47
E-164-0.5-1.0	L2008805-04 D	03/01/20 22:59
E-205-0.5-1.0	L2008805-06 D	03/01/20 23:11
E-156-0.5-1.0	L2008805-15 D	03/01/20 23:23
E-157-0.5-1.0	L2008805-16 D	03/01/20 23:36
E-141-0.5-1.0	L2008805-11 D	03/01/20 23:48
E-141-2.0-2.5	L2008805-12 D	03/02/20 00:00
X-13-02272020	L2008805-19 D	03/02/20 02:10
WG1348705-3 CCAL	WG1348705-3	03/09/20 17:33
E-206-0.5-1.0	L2008805-09 D	03/09/20 20:28



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008805
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST21 **Initial Calib. Date(s)** : 11/25/19 11/26/19

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1261677-1	11/25/19 18:54
1242/1268 L2	R1261677-2	11/25/19 19:06
1242/1268 L3	R1261677-3	11/25/19 19:17
1242/1268 L4	R1261677-4	11/25/19 19:29
1242/1268 L5	R1261677-6	11/25/19 19:41
1242/1268 L6	R1261677-5	11/25/19 19:53
1232/1262 L1	R1261677-8	11/25/19 20:05
1232/1262 L2	R1261677-7	11/25/19 20:17
1232/1262 L3	R1261677-14	11/25/19 20:29
1232/1262 L4	R1261677-9	11/25/19 20:40
1232/1262 L5	R1261677-10	11/25/19 20:52
1232/1262 L6	R1261677-12	11/25/19 21:04
1248 L1	R1261677-11	11/25/19 21:16
1248 L2	R1261677-17	11/25/19 21:28
1248 L3	R1261677-19	11/25/19 21:40
1248 L4	R1261677-21	11/25/19 21:52
1248 L5	R1261677-20	11/25/19 22:03
1248 L6	R1261677-13	11/25/19 22:15
1221/1254 L1	R1261677-15	11/25/19 22:27
1221/1254 L2	R1261677-16	11/25/19 22:39
1221/1254 L3	R1261677-18	11/25/19 22:51
1221/1254 L4	R1261677-23	11/25/19 23:03
1221/1254 L5	R1261677-22	11/25/19 23:15
1221/1254 L6	R1261677-25	11/25/19 23:26
1016/1260 L1	R1261677-26	11/25/19 23:38
1016/1260 L2	R1261677-24	11/25/19 23:50
1016/1260 L3	R1261677-29	11/26/19 00:02
1016/1260 L4	R1261677-27	11/26/19 00:14
1016/1260 L5	R1261677-28	11/26/19 00:26
1016/1260 L6	R1261677-30	11/26/19 00:38
R1261677-31 ICV	R1261677-31	11/26/19 00:49
R1261677-32 ICV	R1261677-32	11/26/19 01:01
R1261677-34 ICV	R1261677-34	11/26/19 01:13
R1261677-33 ICV	R1261677-33	11/26/19 01:25
R1261677-35 ICV	R1261677-35	11/26/19 01:37
WG1348385-1 CCAL	WG1348385-1	03/07/20 09:05
WG1348141-1 BLANK	WG1348141-1	03/07/20 13:03
WG1348141-2 LCS	WG1348141-2	03/07/20 13:15
WG1348141-3 LCSD	WG1348141-3	03/07/20 13:27



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008805
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST16 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1279789-1	01/29/20 19:58
1242/1268 L2	R1279789-3	01/29/20 20:10
1242/1268 L3	R1279789-2	01/29/20 20:22
1242/1268 L4	R1279789-4	01/29/20 20:34
1242/1268 L5	R1279789-5	01/29/20 20:45
1242/1268 L6	R1279789-7	01/29/20 20:57
1232/1262 L1	R1279789-6	01/29/20 21:09
1232/1262 L2	R1279789-9	01/29/20 21:21
1232/1262 L3	R1279789-8	01/29/20 21:32
1232/1262 L4	R1279789-10	01/29/20 21:44
1232/1262 L5	R1279789-11	01/29/20 21:56
1232/1262 L6	R1279789-12	01/29/20 22:08
1248 L1	R1279789-13	01/29/20 22:19
1248 L2	R1279789-14	01/29/20 22:31
1248 L3	R1279789-15	01/29/20 22:43
1248 L4	R1279789-16	01/29/20 22:55
1248 L5	R1279789-17	01/29/20 23:06
1248 L6	R1279789-18	01/29/20 23:18
1221/1254 L1	R1279789-19	01/29/20 23:30
1221/1254 L2	R1279789-21	01/29/20 23:42
1221/1254 L4	R1279789-20	01/30/20 00:05
1221/1254 L5	R1279789-23	01/30/20 00:17
1254 L6	R1279789-22	01/30/20 00:29
1016/1260 L1	R1279789-26	01/30/20 00:40
1016/1260 L2	R1279789-24	01/30/20 00:52
1016/1260 L3	R1279789-25	01/30/20 01:04
1016/1260 L4	R1279789-27	01/30/20 01:16
1016/1260 L5	R1279789-28	01/30/20 01:27
1016/1260 L6	R1279789-29	01/30/20 01:39
R1279789-30 ICV	R1279789-30	01/30/20 01:51
R1279789-31 ICV	R1279789-31	01/30/20 02:03
R1279789-32 ICV	R1279789-32	01/30/20 02:15
R1279789-34 ICV	R1279789-34	01/30/20 02:38
1221/1254 L3	R1279789-33	01/30/20 22:51
R1279789-35 ICV	R1279789-35	01/30/20 23:02
WG1345888-1 CCAL	WG1345888-1	03/01/20 09:14
E-174-0.5-1.0	L2008805-01	03/01/20 13:02
E-174-0.5-1.0 MS	WG1345844-4	03/01/20 13:14
E-174-0.5-1.0 DUP	WG1345844-5	03/01/20 13:26
E-174-3.5-4.0	L2008805-03	03/01/20 13:49
E-164-2.0-2.5	L2008805-05	03/01/20 14:13
E-205-2.0-2.5	L2008805-07	03/01/20 14:36



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008805
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST16 **Initial Calib. Date(s)** : 01/29/20 01/30/20

Client ID	Lab ID	Date/Time Analyzed
E-205-3.0-3.5	L2008805-08	03/01/20 14:48



**Analytical Sequence
Form 8b
PCBs**

Client : Wood Env & Infrastructure Solutions Lab Number : L2008805
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Instrument ID : PEST2 Initial Calib. Date(s) : 08/06/19 08/06/19

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L2	R1216742-1	08/06/19 03:29
1016/1260 L3	R1216742-2	08/06/19 03:43
1016/1260 L4	R1216742-3	08/06/19 03:56
1016/1260 L5	R1216742-4	08/06/19 04:10
1016/1260 L6	R1216742-5	08/06/19 04:24
1242/1268 L4	R1216742-6	08/06/19 04:37
1232/1262 L4	R1216742-7	08/06/19 04:51
1248 L4	R1216742-8	08/06/19 05:04
1221/1254 L4	R1216742-9	08/06/19 05:18
R1216742-10 ICV	R1216742-10	08/06/19 05:45
R1216742-11 ICV	R1216742-11	08/06/19 05:59
R1216742-12 ICV	R1216742-12	08/06/19 06:12
1016/1260 L1	R1216742-13	08/06/19 07:39
R1216742-14 ICV	R1216742-14	08/06/19 10:41
R1216742-15 ICV	R1216742-15	08/06/19 10:55
WG1346069-1 CCAL	WG1346069-1	03/02/20 08:17
WG1345916-1 BLANK	WG1345916-1	03/02/20 10:33
WG1345916-2 LCS	WG1345916-2	03/02/20 10:46
WG1345916-3 LCSD	WG1345916-3	03/02/20 11:00
WG1346069-5 CCAL	WG1346069-5	03/02/20 15:09
EB-15-02272020	L2008805-18	03/03/20 02:21



Analytical Sequence Form 8b PCBs

Client : Wood Env & Infrastructure Solutions **Lab Number** : L2008805
Project Name : AMTRAK-EAST BARRACKS **Project Number** : 277710568.0008.06
Instrument ID : PEST13 **Initial Calib. Date(s)** : 02/21/20 02/21/20

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L1	R1287789-2	02/21/20 00:15
1242/1268 L2	R1287789-1	02/21/20 00:27
1242/1268 L3	R1287789-3	02/21/20 00:40
1242/1268 L4	R1287789-5	02/21/20 00:52
1242/1268 L5	R1287789-4	02/21/20 01:04
1242/1268 L6	R1287789-6	02/21/20 01:16
1232/1262 L1	R1287789-8	02/21/20 01:28
1232/1262 L2	R1287789-7	02/21/20 01:40
1232/1262 L3	R1287789-9	02/21/20 01:53
1232/1262 L4	R1287789-10	02/21/20 02:05
1232/1262 L5	R1287789-13	02/21/20 02:17
1232/1262 L6	R1287789-11	02/21/20 02:29
1248 L1	R1287789-12	02/21/20 02:41
1248 L2	R1287789-16	02/21/20 02:54
1248 L3	R1287789-14	02/21/20 03:06
1248 L4	R1287789-15	02/21/20 03:18
1248 L5	R1287789-17	02/21/20 03:30
1248 L6	R1287789-18	02/21/20 03:42
1221/1254 L1	R1287789-19	02/21/20 03:54
1221/1254 L2	R1287789-21	02/21/20 04:07
1221/1254 L3	R1287789-20	02/21/20 04:19
1221/1254 L4	R1287789-23	02/21/20 04:31
1221/1254 L5	R1287789-22	02/21/20 04:43
1254 L6	R1287789-24	02/21/20 04:55
1016/1260 L1	R1287789-25	02/21/20 05:07
1016/1260 L2	R1287789-27	02/21/20 05:20
1016/1260 L3	R1287789-26	02/21/20 05:32
1016/1260 L4	R1287789-29	02/21/20 05:44
1016/1260 L5	R1287789-28	02/21/20 05:56
1016/1260 L6	R1287789-30	02/21/20 06:08
R1287789-31 ICV	R1287789-31	02/21/20 06:20
R1287789-32 ICV	R1287789-32	02/21/20 06:33
R1287789-33 ICV	R1287789-33	02/21/20 06:45
R1287789-34 ICV	R1287789-34	02/21/20 06:57
R1287789-35 ICV	R1287789-35	02/21/20 07:09
WG1348702-1 CCAL	WG1348702-1	03/09/20 08:25
E-206-2.0-2.5	L2008805-10	03/09/20 13:33



Surrogate Summary

Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2008805
 Project Number: 277710568.0008.06
 Matrix: Water

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
EB-15-02272020 (L2008805-18)	113	107	106	112			0
WG1345916-1BLANK	81	77	89	96			0
WG1345916-2LCS	65	57	46	73			0
WG1345916-3LCSD	78	73	80	84			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Surrogate Recovery Summary

Form 2

PCBs

Client: Wood Env & Infrastructure Solutions, Inc
 Project Name: AMTRAK-EAST BARRACKS

Lab Number: L2008805
 Project Number: 277710568.0008.06
 Matrix: Soil

GC Column 1: CLP-Pesticide
 GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
E-174-0.5-1.0 (L2008805-01)	66	62	61	65			0
E-174-2.0-2.5 (L2008805-02D)	56	54	61	74			0
E-174-3.5-4.0 (L2008805-03)	86	79	79	79			0
E-164-0.5-1.0 (L2008805-04D)	47	47	58	71			0
E-164-2.0-2.5 (L2008805-05)	76	75	72	72			0
E-205-0.5-1.0 (L2008805-06D)	50	45	58	62			0
E-205-2.0-2.5 (L2008805-07)	73	69	70	66			0
E-205-3.0-3.5 (L2008805-08)	78	74	65	60			0
E-206-0.5-1.0 (L2008805-09D)	0*	0*	0*	0*			4
E-206-2.0-2.5 (L2008805-10)	70	62	67	63			0
E-141-0.5-1.0 (L2008805-11D)	0*	0*	0*	0*			4
E-141-2.0-2.5 (L2008805-12D)	0*	0*	0*	0*			4
E-154-0.5-1.0 (L2008805-13)	75	79	68	76			0
E-154-2.0-2.5 (L2008805-14)	64	73	60	68			0
E-156-0.5-1.0 (L2008805-15D)	67	64	63	66			0
E-157-0.5-1.0 (L2008805-16D)	62	61	61	68			0
E-202-0.5-1.0 (L2008805-17)	46	48	48	54			0
X-13-02272020 (L2008805-19D)	0*	0*	0*	0*			4
WG1345844-1BLANK	70	73	66	73			0
WG1345844-2LCS	76	77	73	79			0
WG1345844-3LCSD	79	80	77	82			0
E-174-0.5-1.0MS	69	64	62	67			0
E-174-0.5-1.0DUP	74	68	65	70			0
WG1348141-1BLANK	60	62	41	39			0
WG1348141-2LCS	61	61	41	39			0
WG1348141-3LCSD	66	65	43	42			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NJ-8082-LVI



Batch QC Summary

Lab Duplicate Sample Summary

Form 3

PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-174-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2008805-01	Analysis Date	: 03/01/20 13:02
Lab File ID	: 16200301a-03	DUP File ID	: 16200301a-05
Dup Sample ID	: WG1345844-5	DUP Analysis Date	: 03/01/20 13:26

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aroclor 1016	ND	ND	NC	30
Aroclor 1221	ND	ND	NC	30
Aroclor 1232	ND	ND	NC	30
Aroclor 1242	ND	ND	NC	30
Aroclor 1248	ND	ND	NC	30
Aroclor 1254	0.0730	0.0750	3	30
Aroclor 1260	0.0315J	0.0314J	NC	30
Aroclor 1262	ND	ND	NC	30
Aroclor 1268	ND	ND	NC	30
PCBs, Total	0.104J	0.106J	NC	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008805
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1345844-2 Analysis Date : 03/01/20 22:22 File ID : P7200301a-28
 LCSD Sample ID : WG1345844-3 Analysis Date : 03/01/20 22:34 File ID : P7200301a-29

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.204	0.176	86	0.204	0.181	89	3	40-140	30
Aroclor 1260	0.204	0.170	83	0.204	0.178	87	5	40-140	30



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008805
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : WATER
 LCS Sample ID : WG1345916-2 Analysis Date : 03/02/20 10:46 File ID : P2200302a-07
 LCSD Sample ID : WG1345916-3 Analysis Date : 03/02/20 11:00 File ID : P2200302a-08

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Aroclor 1016	1.78	1.27	71	1.78	1.54	86	19	40-140	20
Aroclor 1260	1.78	1.12	63	1.78	1.33	75	17	40-140	20



Laboratory Control Sample Summary
Form 3
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008805
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Matrix : SOIL
 LCS Sample ID : WG1348141-2 Analysis Date : 03/07/20 13:15 File ID : 21200307a-20
 LCSD Sample ID : WG1348141-3 Analysis Date : 03/07/20 13:27 File ID : 21200307a-21

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Aroclor 1016	0.203	0.133	66	0.206	0.150	73	10	40-140	30
Aroclor 1260	0.203	0.105	52	0.206	0.116	56	7	40-140	30



Matrix Spike Sample Summary

Form 3

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Client Sample ID : E-174-0.5-1.0	Matrix : SOIL
Lab Sample ID : L2008805-01	Analysis Date : 03/01/20 13:02
Matrix Spike : WG1345844-4	MS Analysis Date : 03/01/20 13:14
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/kg)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R			
Aroclor 1016	ND	0.236	0.194	82					40-140	30
Aroclor 1260	0.0315J	0.236	0.186	79					40-140	30



RT Shift Summary

Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-01	
Client ID : E-174-0.5-1.0	
Date Analyzed (1) : 03/01/20 13:02	Date Analyzed (2) : 03/01/20 13:02
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD	
			From	To				
AROCOR 1254	1	0.00	-0.05	0.05	0.			
	2	4.64	-0.05	0.05	0.064			
	COLUMN 1	3	4.95	-0.05	0.05	0.123		
		4	5.16	-0.05	0.05	0.0318		
		5	0.00	-0.05	0.05	0.	0.073	
COLUMN 2	1	0.00	-0.05	0.05	0.			
	2	5.34	-0.05	0.05	0.0425			
	3	5.43	-0.05	0.05	0.13			
	4	5.59	-0.05	0.05	0.0308			
	5	0.00	-0.05	0.05	0.	0.0677	8	
AROCOR 1260	1	0.00	5.01	5.11	0.			
	2	0.00	5.21	5.31	0.			
COLUMN 1	3	5.76	5.68	5.78	0.032			
	4	5.97	5.89	5.99	0.0286			
	5	6.17	6.10	6.20	0.034	0.0315J		
COLUMN 2	1	0.00	5.50	5.60	0.			
	2	0.00	5.64	5.74	0.			
	3	6.24	6.17	6.27	0.0201			
	4	6.41	6.34	6.44	0.0292			
	5	6.67	6.59	6.69	0.0317	0.027J	NC	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-02D	
Client ID : E-174-2.0-2.5	
Date Analyzed (1) : 03/01/20 22:47	Date Analyzed (2) : 03/01/20 22:47
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean Concentration	%RPD	
			From	To				
AROCOR 1254	1	3.72	-0.05	0.05	1.22			
	2	3.93	-0.05	0.05	1.16			
	COLUMN 1	3	4.24	-0.05	0.05	1.46		
		4	4.46	-0.05	0.05	0.745		
		5	0.00	-0.05	0.05	0.	1.15	
COLUMN 2	1	4.13	-0.05	0.05	1.38			
	2	0.00	-0.05	0.05	0.			
	3	4.63	-0.05	0.05	1.47			
	4	4.80	-0.05	0.05	0.799			
	5	0.00	-0.05	0.05	0.	1.22	6	
AROCOR 1260	1	0.00	4.33	4.43	0.			
	2	0.00	4.55	4.65	0.			
	COLUMN 1	3	5.06	5.02	5.12	0.266		
		4	5.28	5.24	5.34	0.218		
		5	5.48	5.43	5.53	0.288	0.257	
COLUMN 2	1	0.00	4.73	4.83	0.			
	2	0.00	4.89	4.99	0.			
	3	5.46	5.41	5.51	0.252			
	4	5.63	5.59	5.69	0.262			
	5	5.88	5.83	5.93	0.276	0.263	2	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-03	
Client ID : E-174-3.5-4.0	
Date Analyzed (1) : 03/01/20 13:49	Date Analyzed (2) : 03/01/20 13:49
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1254	1	4.40	-0.05	0.05	0.194		
	2	4.60	-0.05	0.05	0.249		
COLUMN 1	3	4.91	-0.05	0.05	0.325		
	4	5.12	-0.05	0.05	0.29		
	5	5.46	-0.05	0.05	0.309	0.273	
COLUMN 2	1	4.90	-0.05	0.05	0.212		
	2	0.00	-0.05	0.05	0.		
	3	5.40	-0.05	0.05	0.306		
	4	5.56	-0.05	0.05	0.28		
	5	5.94	-0.05	0.05	0.278	0.269	2



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2008805-04D		
Client ID	: E-164-0.5-1.0		
Date Analyzed (1)	: 03/01/20 22:59	Date Analyzed (2)	: 03/01/20 22:59
Instrument ID (1)	: PEST7	Instrument ID (2)	: PEST7
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.38	4.33	4.43	1.69		
	2	4.59	4.55	4.65	1.99		
COLUMN 1	3	5.07	5.02	5.12	2.03		
	4	5.28	5.24	5.34	2.06		
	5	5.48	5.43	5.53	2.3	2.02	
COLUMN 2	1	4.78	4.73	4.83	1.85		
	2	4.93	4.89	4.99	2.04		
	3	5.46	5.41	5.51	2.11		
	4	0.00	5.59	5.69	0.		
	5	5.88	5.83	5.93	2.52	2.13	5



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-05	
Client ID : E-164-2.0-2.5	
Date Analyzed (1) : 03/01/20 14:13	Date Analyzed (2) : 03/01/20 14:13
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	5.04	5.01	5.11	0.137		
	2	5.25	5.21	5.31	0.164		
COLUMN 1	3	5.71	5.68	5.78	0.162		
	4	5.93	5.89	5.99	0.188		
	5	6.13	6.10	6.20	0.193	0.169	
COLUMN 2	1	5.54	5.50	5.60	0.143		
	2	5.68	5.64	5.74	0.152		
	3	6.21	6.17	6.27	0.165		
	4	6.37	6.34	6.44	0.186		
	5	6.63	6.59	6.69	0.191	0.168	1



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-06D	
Client ID : E-205-0.5-1.0	
Date Analyzed (1) : 03/01/20 23:11	Date Analyzed (2) : 03/01/20 23:11
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	4.38	4.33	4.43	1.58			
	2	4.59	4.55	4.65	1.63			
	COLUMN 1	3	5.06	5.02	5.12	1.56		
		4	5.28	5.24	5.34	1.51		
		5	5.48	5.43	5.53	1.6	1.58	
COLUMN 2	1	4.78	4.73	4.83	1.62			
	2	4.93	4.89	4.99	1.8			
	3	5.46	5.41	5.51	1.66			
	4	5.63	5.59	5.69	1.79			
	5	5.88	5.83	5.93	1.71	1.72	8	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-07	
Client ID : E-205-2.0-2.5	
Date Analyzed (1) : 03/01/20 14:36	Date Analyzed (2) : 03/01/20 14:36
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	5.04	5.01	5.11	0.464			
	2	5.25	5.21	5.31	0.54			
	COLUMN 1	3	5.71	5.68	5.78	0.574		
		4	5.93	5.89	5.99	0.668		
		5	6.13	6.10	6.20	0.708	0.591	
COLUMN 2	1	5.54	5.50	5.60	0.424			
	2	5.68	5.64	5.74	0.488			
	3	6.21	6.17	6.27	0.533			
	4	6.37	6.34	6.44	0.608			
	5	6.63	6.59	6.69	0.654	0.541	9	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-08	
Client ID : E-205-3.0-3.5	
Date Analyzed (1) : 03/01/20 14:48	Date Analyzed (2) : 03/01/20 14:48
Instrument ID (1) : PEST16	Instrument ID (2) : PEST16
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-Pesticidell

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	5.04	5.01	5.11	0.465			
	2	5.25	5.21	5.31	0.5			
	COLUMN 1	3	5.71	5.68	5.78	0.445		
		4	5.93	5.89	5.99	0.488		
		5	6.13	6.10	6.20	0.495	0.478	
COLUMN 2	1	5.54	5.50	5.60	0.44			
	2	5.68	5.64	5.74	0.474			
	3	6.21	6.17	6.27	0.443			
	4	6.38	6.34	6.44	0.455			
	5	6.63	6.59	6.69	0.466	0.455	5	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-09D	
Client ID : E-206-0.5-1.0	
Date Analyzed (1) : 03/09/20 20:28	Date Analyzed (2) : 03/09/20 20:28
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.36	4.32	4.42	5.42		
	2	4.57	4.53	4.63	5.9		
COLUMN 1	3	5.04	5.00	5.10	5.9		
	4	5.26	5.22	5.32	5.83		
	5	5.46	5.42	5.52	6.28	5.87	
COLUMN 2	1	4.75	4.70	4.80	5.75		
	2	4.91	4.86	4.96	6.61		
	3	5.44	5.39	5.49	5.93		
	4	5.61	5.56	5.66	6.85		
	5	5.86	5.81	5.91	6.75	6.38	8



Identification Summary
Form 10
PCBs

Client : Wood Env & Infrastructure Solutions Lab Number : L2008805
 Project Name : AMTRAK-EAST BARRACKS Project Number : 277710568.0008.06
 Lab Sample ID : L2008805-10
 Client ID : E-206-2.0-2.5
 Date Analyzed (1) : 03/09/20 13:33 Date Analyzed (2) : 03/09/20 13:33
 Instrument ID (1) : PEST13 Instrument ID (2) : PEST13
 GC Column (1) : CLP-Pesticide GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean	
			From	To		Concentration	%RPD
AROCOR 1260	1	4.80	4.78	4.88	0.0644		
	2	5.00	4.98	5.08	0.0678		
COLUMN 1	3	5.47	5.44	5.54	0.059		
	4	5.68	5.65	5.75	0.0588		
	5	5.88	5.85	5.95	0.0643	0.0629	
COLUMN 2	1	5.17	5.13	5.23	0.0597		
	2	5.32	5.28	5.38	0.0699		
	3	5.84	5.81	5.91	0.0643		
	4	6.01	5.98	6.08	0.0628		
	5	6.25	6.23	6.33	0.0671	0.0647	3



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-11D	
Client ID : E-141-0.5-1.0	
Date Analyzed (1) : 03/01/20 23:48	Date Analyzed (2) : 03/01/20 23:48
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		
			From	To		Concentration	%RPD	
AROCOLOR 1254	1	3.72	-0.05	0.05	67.9			
	2	3.93	-0.05	0.05	111.			
	COLUMN 1	3	4.24	-0.05	0.05	117.		
		4	4.46	-0.05	0.05	189.		
		5	0.00	-0.05	0.05	0.	121.	
COLUMN 2	1	4.13	-0.05	0.05	114.			
	2	4.28	-0.05	0.05	121.			
	3	4.63	-0.05	0.05	107.			
	4	4.81	-0.05	0.05	198.			
	5	0.00	-0.05	0.05	0.	135.	11	
AROCOLOR 1260	1	0.00	4.33	4.43	0.			
	2	0.00	4.55	4.65	0.			
	COLUMN 1	3	5.07	5.02	5.12	168.		
		4	5.29	5.24	5.34	158.		
		5	5.48	5.43	5.53	167.	164.	
COLUMN 2	1	0.00	4.73	4.83	0.			
	2	0.00	4.89	4.99	0.			
	3	5.46	5.41	5.51	174.			
	4	5.63	5.59	5.69	193.			
	5	5.88	5.83	5.93	179.	182.	10	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-12D	
Client ID : E-141-2.0-2.5	
Date Analyzed (1) : 03/02/20 00:00	Date Analyzed (2) : 03/02/20 00:00
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean		
			From	To		Concentration	%RPD	
AROCOR 1254	1	3.72	-0.05	0.05	37.7			
	2	3.93	-0.05	0.05	63.9			
	COLUMN 1	3	4.24	-0.05	0.05	71.2		
		4	4.46	-0.05	0.05	118.		
		5	0.00	-0.05	0.05	0.	72.8	
COLUMN 2	1	4.13	-0.05	0.05	62.8			
	2	4.28	-0.05	0.05	66.4			
	3	4.63	-0.05	0.05	58.			
	4	4.81	-0.05	0.05	114.			
	5	0.00	-0.05	0.05	0.	75.4	4	
AROCOR 1260	1	0.00	4.33	4.43	0.			
	2	0.00	4.55	4.65	0.			
	COLUMN 1	3	5.07	5.02	5.12	109.		
		4	5.28	5.24	5.34	104.		
		5	5.48	5.43	5.53	115.	109.	
COLUMN 2	1	0.00	4.73	4.83	0.			
	2	0.00	4.89	4.99	0.			
	3	5.46	5.41	5.51	106.			
	4	5.63	5.59	5.69	122.			
	5	5.88	5.83	5.93	113.	114.	4	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-13	
Client ID : E-154-0.5-1.0	
Date Analyzed (1) : 03/01/20 21:58	Date Analyzed (2) : 03/01/20 21:58
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Concentration	Mean	%RPD	
			From	To		Concentration		
AROCLOR 1254	1	3.72	-0.05	0.05	0.00963			
	2	3.93	-0.05	0.05	0.0162			
	COLUMN 1	3	4.24	-0.05	0.05	0.0196		
		4	4.46	-0.05	0.05	0.0291		
		5	0.00	-0.05	0.05	0.	0.0186J	
COLUMN 2	1	4.13	-0.05	0.05	0.0146			
	2	4.28	-0.05	0.05	0.0182			
	3	4.63	-0.05	0.05	0.0162			
	4	4.80	-0.05	0.05	0.0274			
	5	0.00	-0.05	0.05	0.	0.0191J	NC	
AROCLOR 1260	1	4.38	4.33	4.43	0.0309			
	2	0.00	4.55	4.65	0.			
COLUMN 1	3	5.06	5.02	5.12	0.0332			
	4	5.28	5.24	5.34	0.035			
	5	5.48	5.43	5.53	0.039	0.0345J		
COLUMN 2	1	4.77	4.73	4.83	0.0308			
	2	0.00	4.89	4.99	0.			
	3	5.46	5.41	5.51	0.0335			
	4	5.63	5.59	5.69	0.0398			
	5	5.88	5.83	5.93	0.04	0.036J	NC	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-15D	
Client ID : E-156-0.5-1.0	
Date Analyzed (1) : 03/01/20 23:23	Date Analyzed (2) : 03/01/20 23:23
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	4.38	4.33	4.43	1.1			
	2	4.59	4.55	4.65	1.16			
	COLUMN 1	3	5.06	5.02	5.12	1.18		
		4	5.28	5.24	5.34	1.16		
		5	5.48	5.43	5.53	1.22	1.16	
COLUMN 2	1	4.78	4.73	4.83	1.14			
	2	4.93	4.89	4.99	1.32			
	3	5.46	5.41	5.51	1.22			
	4	5.63	5.59	5.69	1.34			
	5	5.88	5.83	5.93	1.3	1.26	8	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-16D	
Client ID : E-157-0.5-1.0	
Date Analyzed (1) : 03/01/20 23:36	Date Analyzed (2) : 03/01/20 23:36
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	4.38	4.33	4.43	0.782			
	2	4.59	4.55	4.65	0.87			
	COLUMN 1	3	5.06	5.02	5.12	0.937		
		4	5.28	5.24	5.34	0.954		
		5	5.48	5.43	5.53	1.	0.91	
COLUMN 2	1	4.78	4.73	4.83	0.812			
	2	4.93	4.89	4.99	1.02			
	3	5.46	5.41	5.51	0.946			
	4	5.63	5.59	5.69	1.13			
	5	5.88	5.83	5.93	1.07	0.996	9	



Identification Summary

Form 10

PCBs

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab Sample ID : L2008805-17	
Client ID : E-202-0.5-1.0	
Date Analyzed (1) : 03/01/20 21:33	Date Analyzed (2) : 03/01/20 21:33
Instrument ID (1) : PEST7	Instrument ID (2) : PEST7
GC Column (1) : CLP-Pesticide	GC Column (2) : CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD	
			From	To	Concentration	Concentration		
AROCOR 1260	1	4.40	4.33	4.43	0.105			
	2	4.61	4.55	4.65	0.11			
	COLUMN 1	3	5.08	5.02	5.12	0.13		
		4	5.30	5.24	5.34	0.147		
		5	5.50	5.43	5.53	0.163	0.131	
COLUMN 2	1	4.78	4.73	4.83	0.114			
	2	4.93	4.89	4.99	0.122			
	3	5.46	5.41	5.51	0.14			
	4	5.63	5.59	5.69	0.174			
	5	5.88	5.83	5.93	0.176	0.145	10	



Identification Summary
Form 10
PCBs

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Lab Sample ID	: L2008805-19D		
Client ID	: X-13-02272020		
Date Analyzed (1)	: 03/02/20 02:10	Date Analyzed (2)	: 03/02/20 02:10
Instrument ID (1)	: PEST7	Instrument ID (2)	: PEST7
GC Column (1)	: CLP-Pesticide	GC Column (2)	: CLP-PesticideII

Analyte	Peak	RT	RT Window		Mean		%RPD
			From	To	Concentration	Concentration	
AROCOR 1260	1	4.40	4.33	4.43	2.57		
	2	4.61	4.55	4.65	3.08		
COLUMN 1	3	5.08	5.02	5.12	3.22		
	4	5.30	5.24	5.34	3.45		
	5	5.50	5.43	5.53	3.66	3.2	
COLUMN 2	1	4.78	4.73	4.83	2.78		
	2	4.93	4.89	4.99	3.13		
	3	5.46	5.41	5.51	3.4		
	4	5.64	5.59	5.69	4.2		
	5	5.88	5.83	5.93	4.14	3.53	10



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200309A\
 Data File : 13200309a-23.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Mar 2020 1:33 pm
 Operator : pest13:jaw
 Sample : 12008805-10,42e,,
 Misc : wgl1348702,wgl1348141,ical16554
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 11 22:48:57 2020
 Quant Method : I:\Pest13\200309A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200309A\13200309a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.137	2.137	591.9E6	2149.7E6	250.000	250.000
Standard Area 1 : #1 = 690730019					Recovery =	85.69%
Standard Area 1 : #2 = 2406500387					Recovery =	89.33%
14) i 2154_1br2nb	2.137	2.137	591.9E6	2149.7E6	250.000	250.000
23) i 4268_1br2nb	2.137	2.137	591.9E6	2149.7E6	250.000	250.000
34) i 1248_1br2nb	2.137	2.137	591.9E6	2149.7E6	250.000	250.000
40) i 3262_1br2nb	2.137	2.137	591.9E6	2149.7E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.615	2.724	942.1E6	3122.8E6	348.333	311.034
Spiked Amount 500.000	Range 30 - 150		Recovery =		69.67%	62.21%
3) s Decachlorobi	6.597	7.003	648.0E6	1802.1E6	335.735	312.833M2
Spiked Amount 500.000	Range 30 - 150		Recovery =		67.15%	62.57%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.801f	5.170f	113.3E6	372.5E6	854.574	791.266
10) l2 1260-2	5.005f	5.321f	179.5E6	516.6E6	899.112	926.593
11) l2 1260-3	5.468f	5.843f	102.2E6	387.0E6	782.481	852.865
12) l2 1260-4	5.681f	6.010f	232.6E6	781.3E6	779.969	832.449
13) l2 1260-5	5.878f	6.254f	165.0E6	540.5E6	852.427	889.828
Sum 1260-1			792.6E6	2597.9E6	4168.563	4293.002
Average 1260-1					833.713	858.600

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200309A\
 Data File : 13200309a-23.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Mar 2020 1:33 pm
 Operator : pest13:jaw
 Sample : 12008805-10,42e,,
 Misc : wg1348702,wg1348141,ical16554
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 11 22:48:57 2020
 Quant Method : I:\Pest13\200309A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200309A\13200309a-03.d
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest13\200309A\
 Data File : 13200309a-23.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Mar 2020 1:33 pm
 Operator : pest13:jaw
 Sample : 12008805-10,42e,,
 Misc : wg1348702,wg1348141,ical16554
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 11 22:48:57 2020
 Quant Method : I:\Pest13\200309A\P13_pcb_02_20_20_ugL_ICAL16554.m
 Quant Title : pcb
 QLast Update : Fri Feb 21 17:10:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest13\200309A\13200309a-03.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

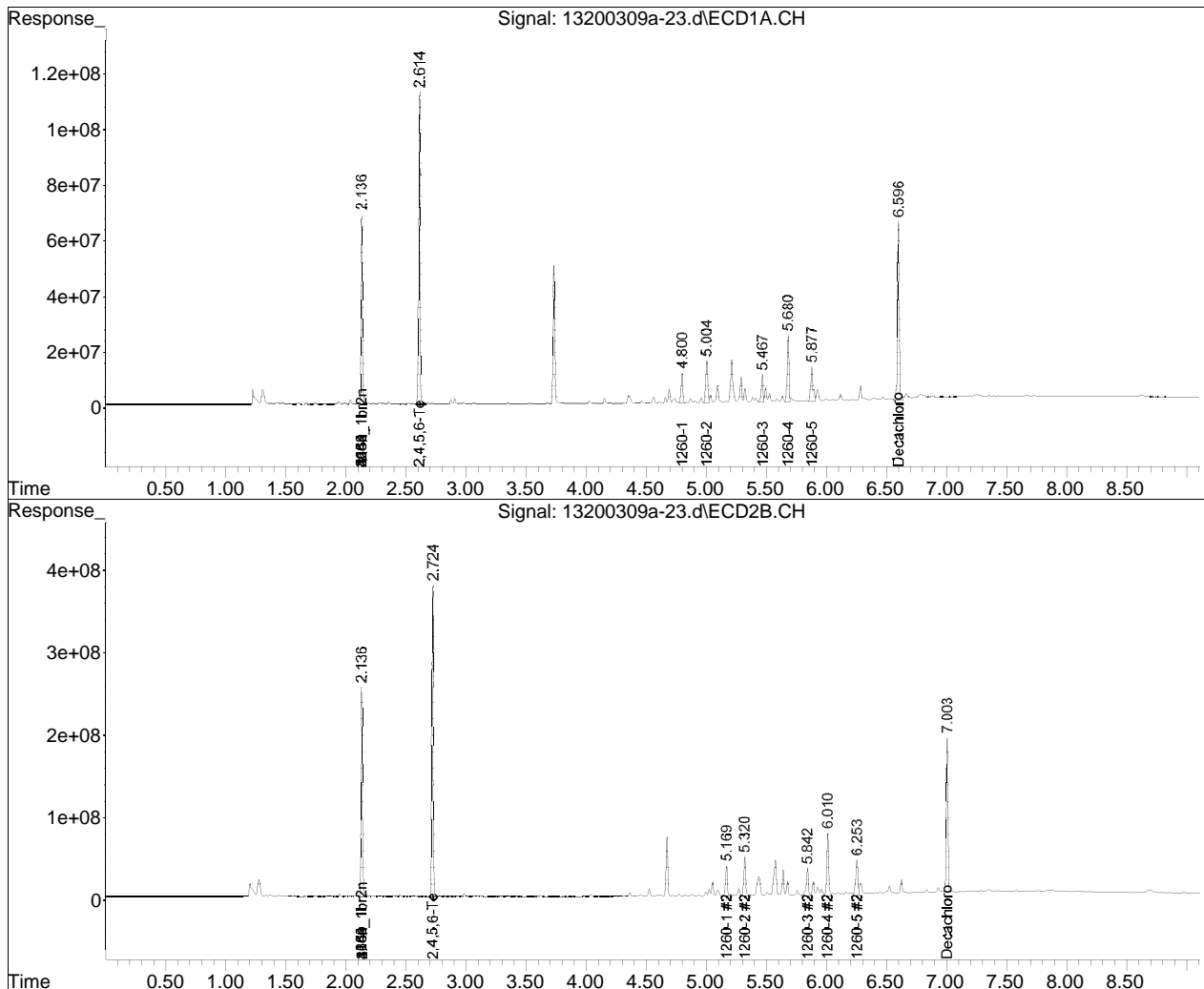
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-03.d••d)

Data Path : I:\Pest13\200309A\
Data File : 13200309a-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Mar 2020 1:33 pm
Operator : pest13:jaw
Sample : 12008805-10,42e,,
Misc : wg1348702,wg1348141,ical16554
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 11 22:48:57 2020
Quant Method : I:\Pest13\200309A\P13_pcb_02_20_20_ugL_ICAL16554.m
Quant Title : pcb
QLast Update : Fri Feb 21 17:10:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

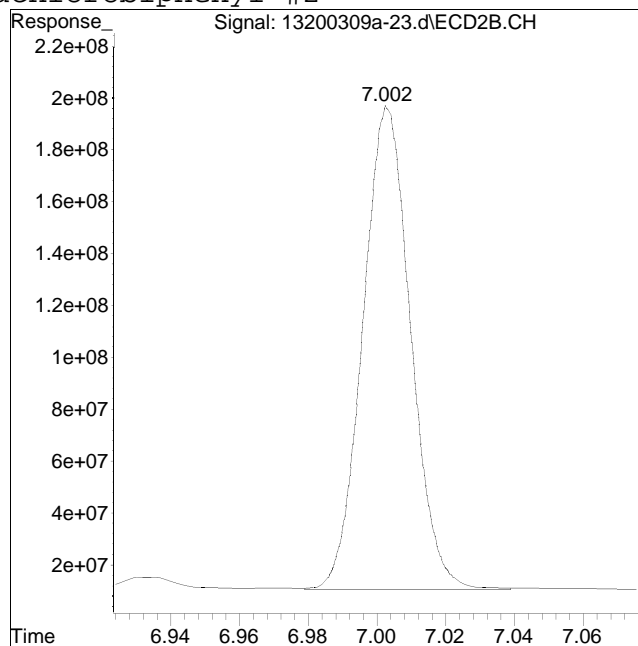
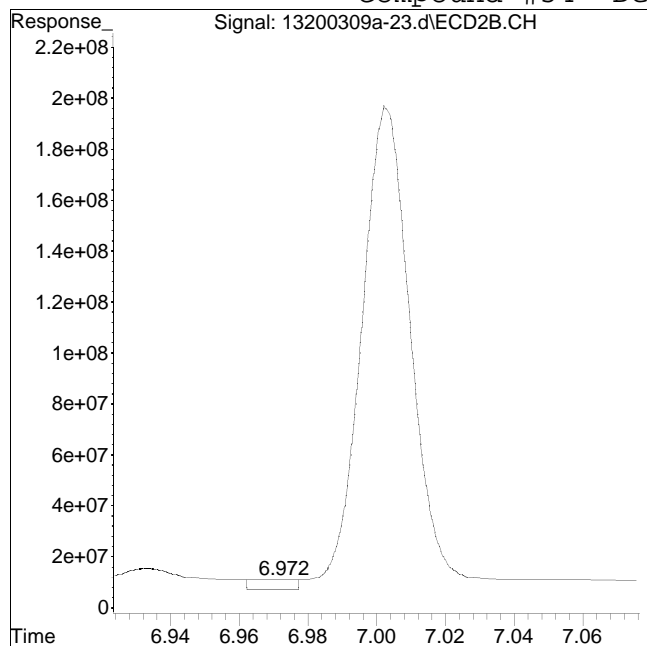


Manual Integration Report

Data Path : I:\Pest13\200309A\
Data File : 13200309a-23.d
Date Inj'd : 3/9/2020 1:33 pm
Sample : 12008805-10,42e,,

QMethod : P13_pcb_02_20_20_ugL_ICA
Operator : pest13:jaw
Instrument : PEST 13
Quant Date : 3/9/2020 5:14 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 37397369

Manual Peak Response = 1802051627 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-03.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 1:02 pm
 Operator : pest16:cw
 Sample : 12008805-01,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:29:21 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	2.273	2.304	666.6E6	1568.8E6	250.000M4	250.000M4
	Standard Area 1 : #1 = 675105577					Recovery =	98.74%
	Standard Area 1 : #2 = 1650174948					Recovery =	95.07%
14) i	2154_1br2nb	2.273	2.304	666.6E6	1568.8E6	250.000M4	250.000M4
23) i	4268_1br2nb	2.273	2.304	666.6E6	1568.8E6	250.000M4	250.000M4
34) i	1248_1br2nb	2.273	2.304	666.6E6	1568.8E6	250.000M4	250.000M4
40) i	3262_1br2nb	2.273	2.304	666.6E6	1568.8E6	250.000M4	250.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.793f	2.974	1017.6E6	2198.1E6	327.811M4	310.628M4
	Spiked Amount 500.000 Range 30 - 150					Recovery =	65.56% 62.13%
3) s	Decachlorobi	6.913f	7.469f	670.2E6	1287.5E6	307.372M4	324.653M4
	Spiked Amount 500.000 Range 30 - 150					Recovery =	61.47% 64.93%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-03.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 1:02 pm
 Operator : pest16:cw
 Sample : 12008805-01,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:29:21 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) 12	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) 12	1260-3	5.758f	6.241	63694951	81914931	443.817M3	279.671M3
12) 12	1260-4	5.972f	6.412f	132.8E6	248.1E6	396.557M3	406.252M3
13) 12	1260-5	6.172f	6.669f	103.6E6	181.7E6	472.413M3	440.604M3
	Sum 1260-1			300.1E6	511.8E6	1312.787	1126.528
	Average 1260-1					437.596	375.509
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	4.642f	5.342f	171.0E6	134.8E6	889.548M4	590.119M4
20) 14	1254-3	4.951f	5.429f	332.1E6	828.5E6	1709.588M4	1801.628M4
21) 14	1254-4	5.161f	5.590f	66549811	133.1E6	442.361M4	427.351M2
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			569.7E6	1096.3E6	3041.496	2819.098
	Average 1254-1					1013.832	939.699
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-03.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 1:02 pm
 Operator : pest16:cw
 Sample : 12008805-01,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:29:21 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-03.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 1:02 pm
 Operator : pest16:cw
 Sample : 12008805-01,42e,,
 Misc : wg1345888,wg1345844,ical16473
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:29:21 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

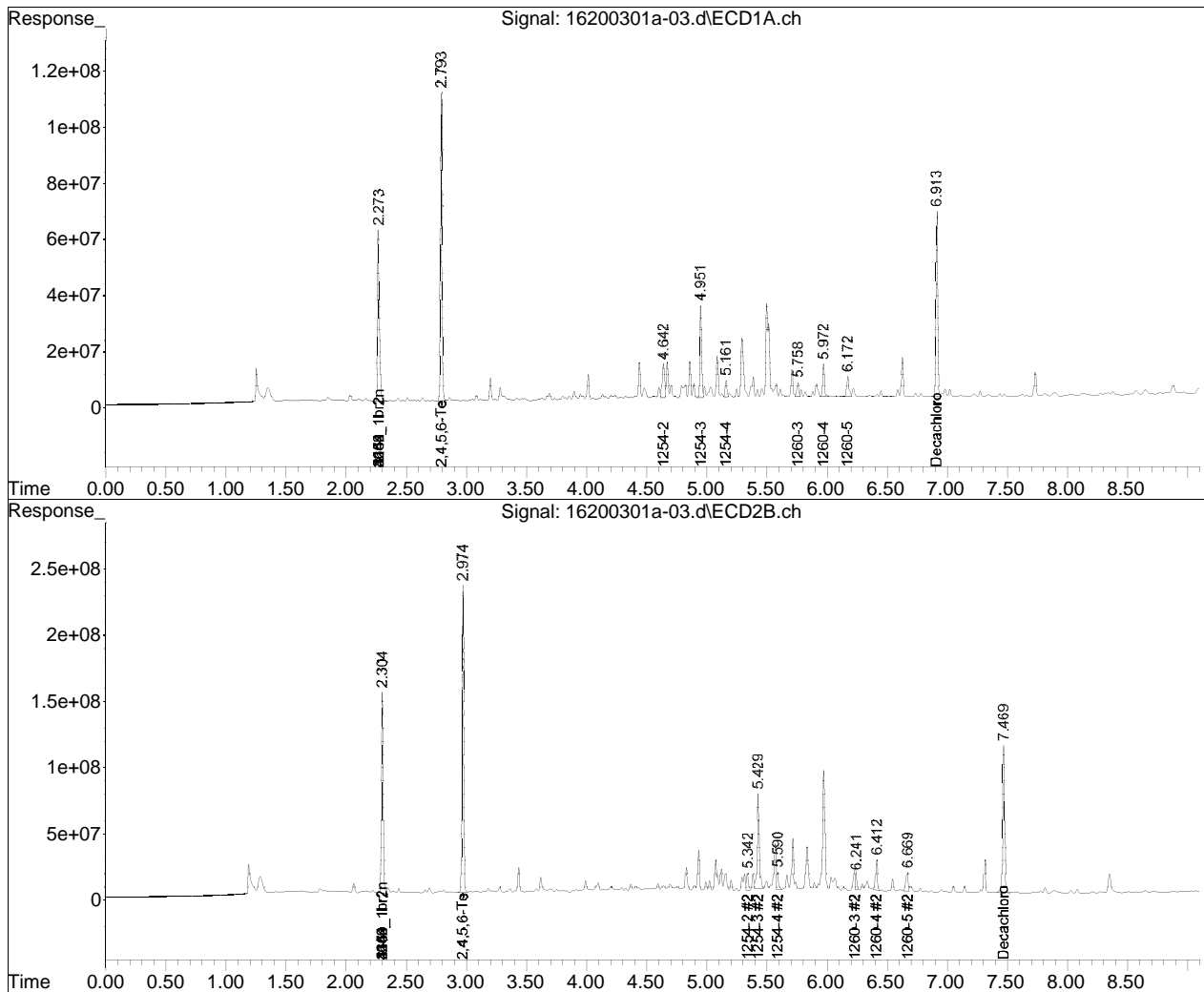
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Mar 2020 1:02 pm
Operator : pest16:cw
Sample : 12008805-01,42e,,
Misc : wg1345888,wg1345844,ical16473
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 17:29:21 2020
Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Sun Mar 01 19:17:38 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

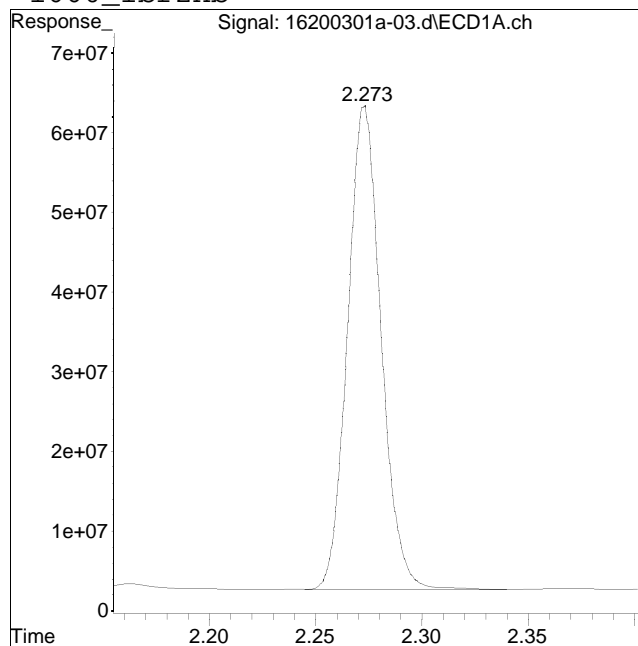
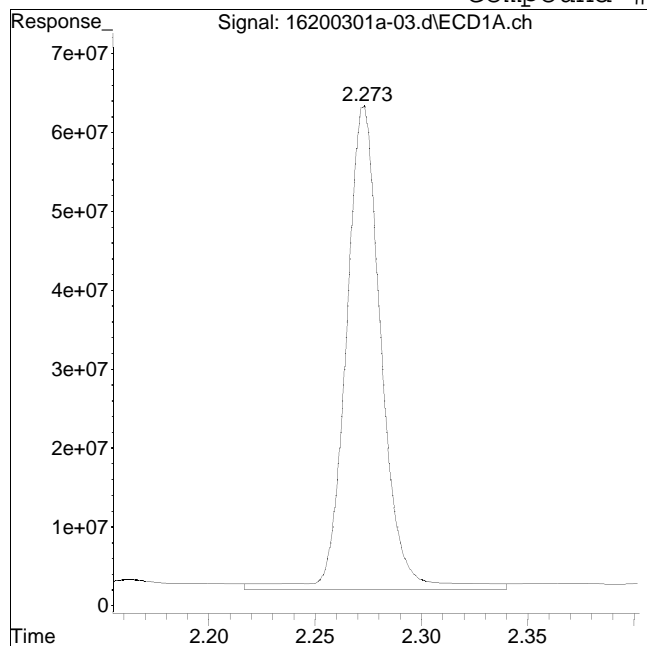


Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #1: 1660_1br2nb



Original Peak Response = 711653135

Manual Peak Response = 666600020 M4

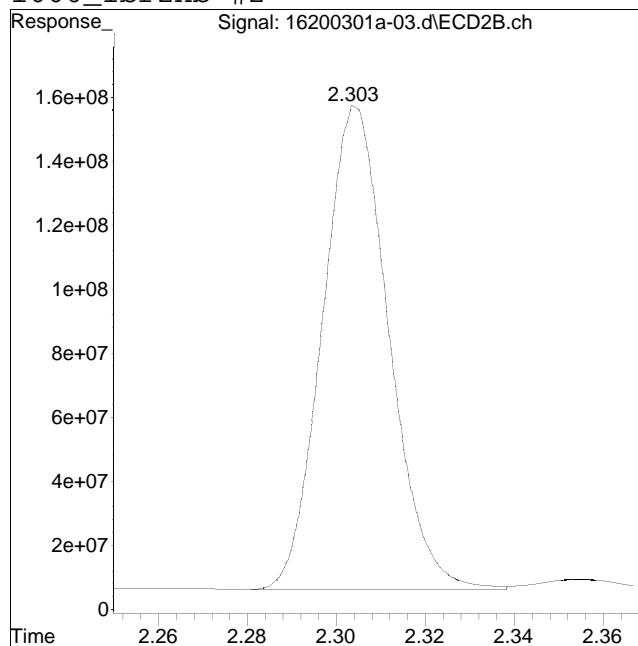
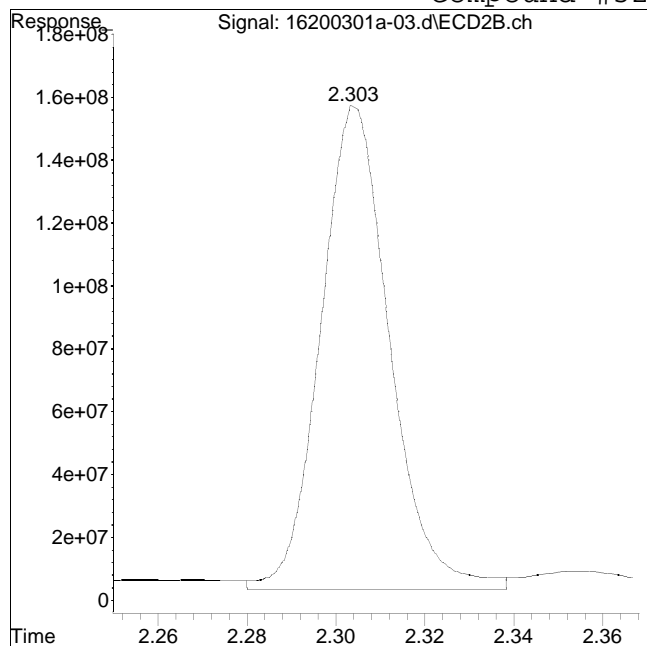
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 1663781610

Manual Peak Response = 1568769520 M4

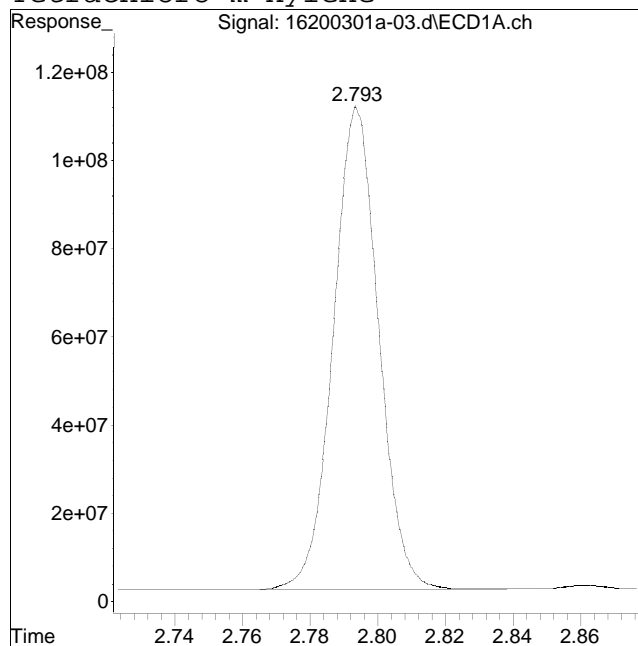
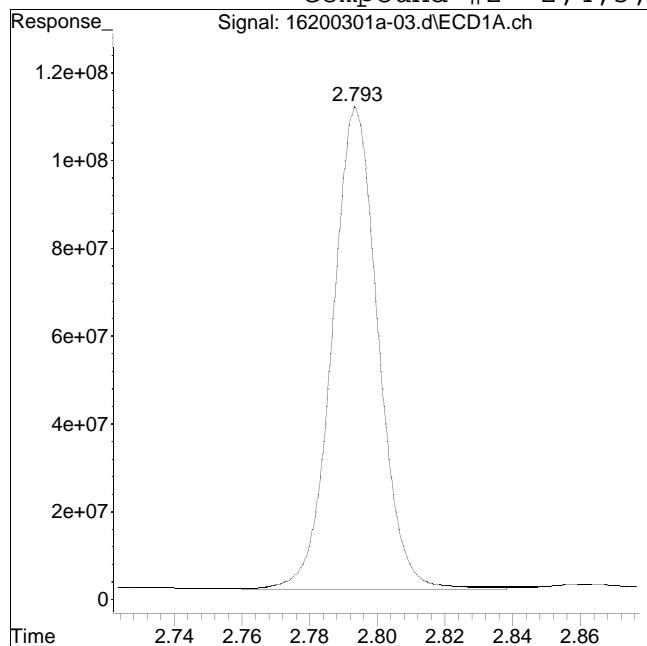
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 1041392981

Manual Peak Response = 1017594870 M4

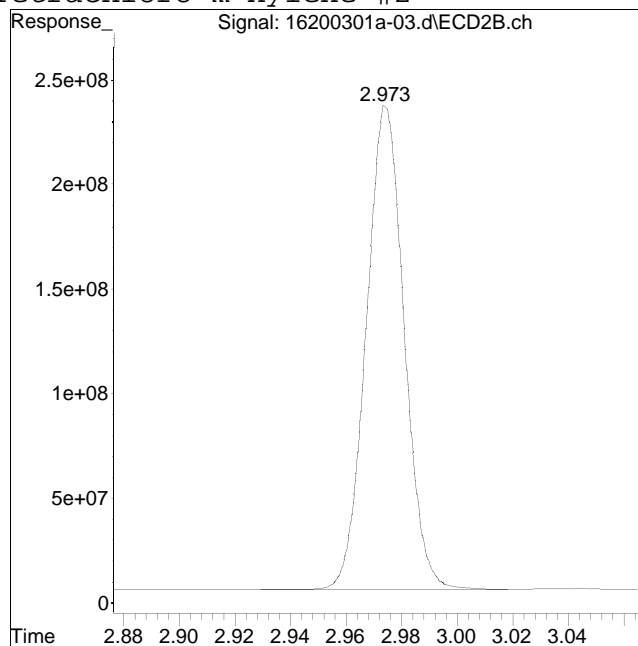
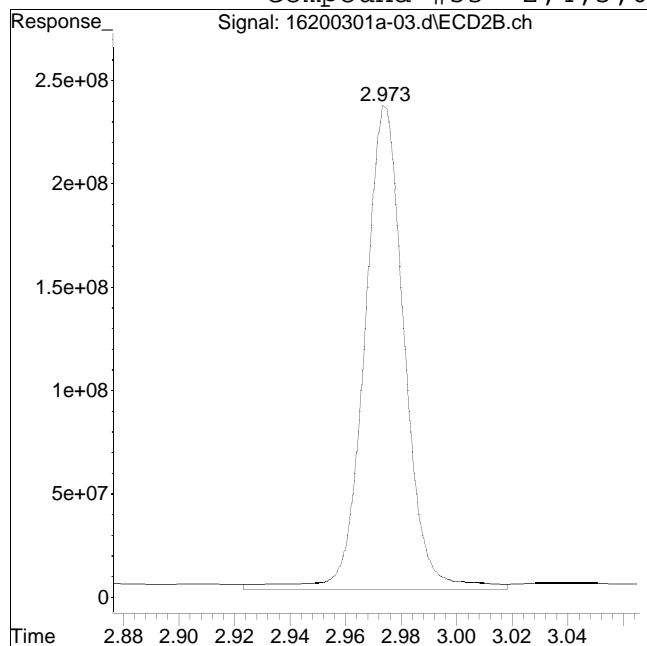
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 2356907383

Manual Peak Response = 2198130669 M4

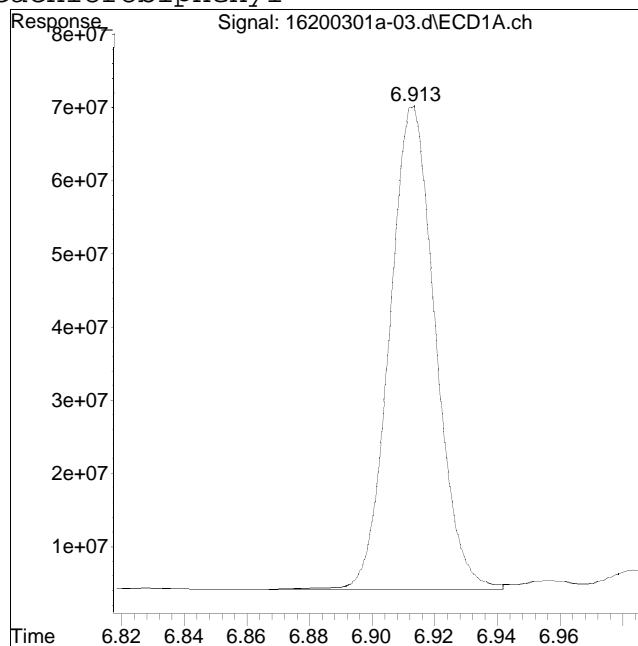
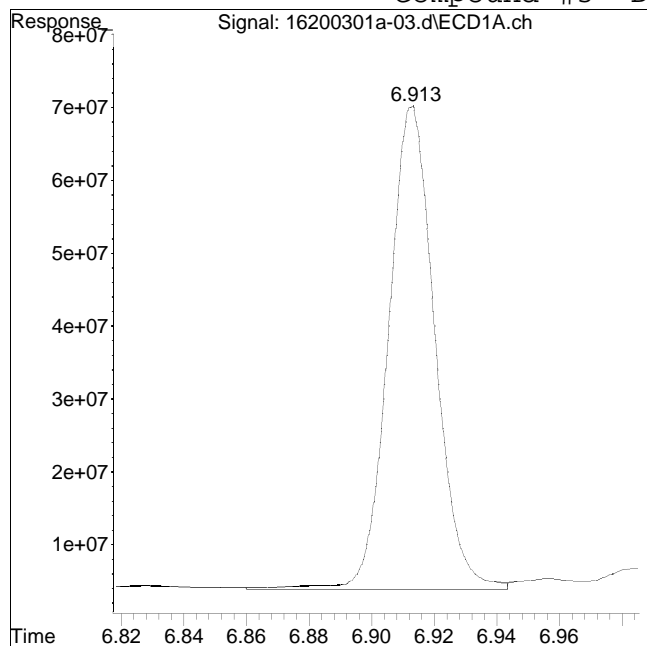
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 684238274

Manual Peak Response = 670200021 M4

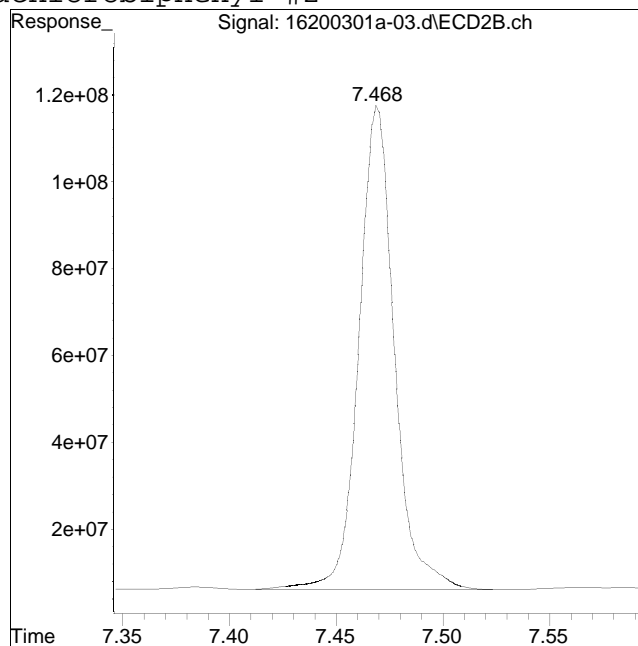
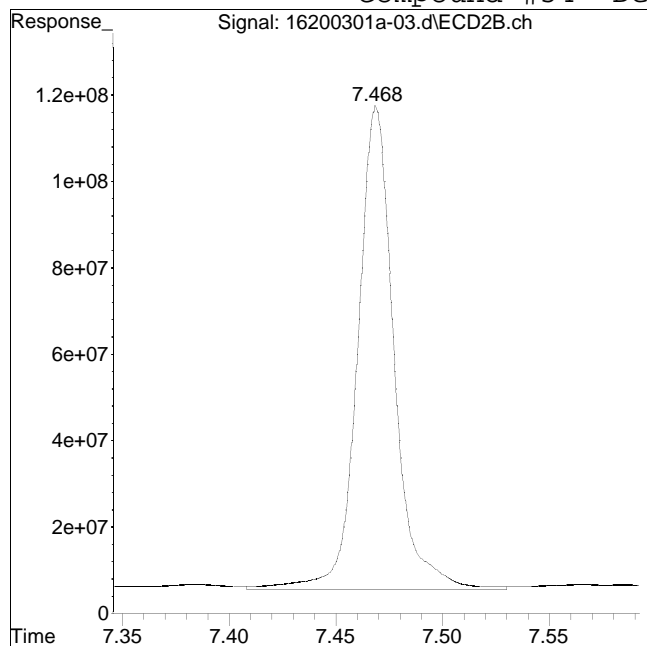
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1333558974

Manual Peak Response = 1287472594 M4

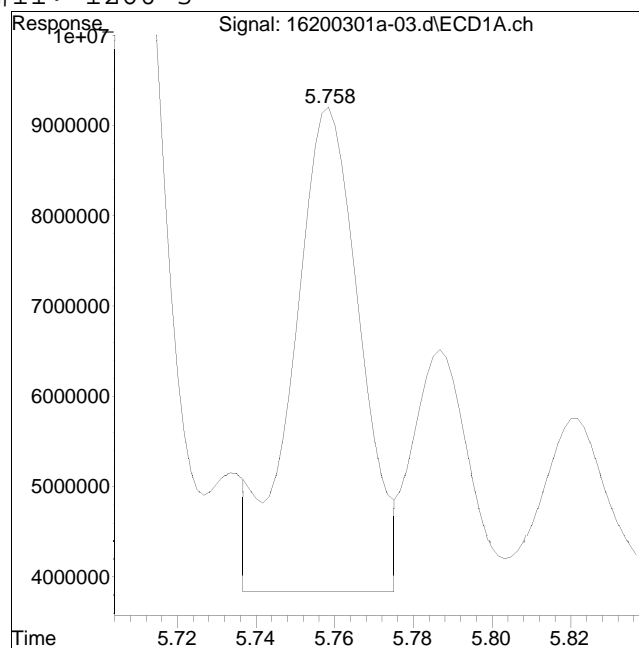
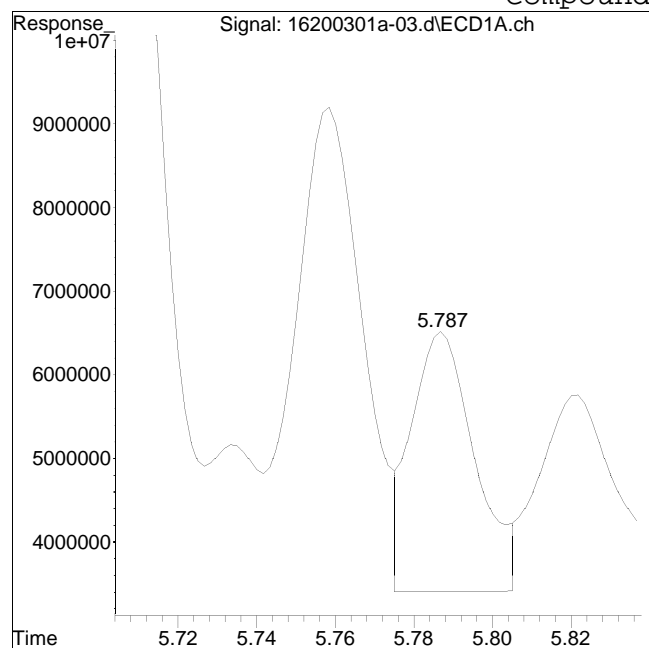
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #11: 1260-3



Original Peak Response = 34503403

Manual Peak Response = 63694951 M3

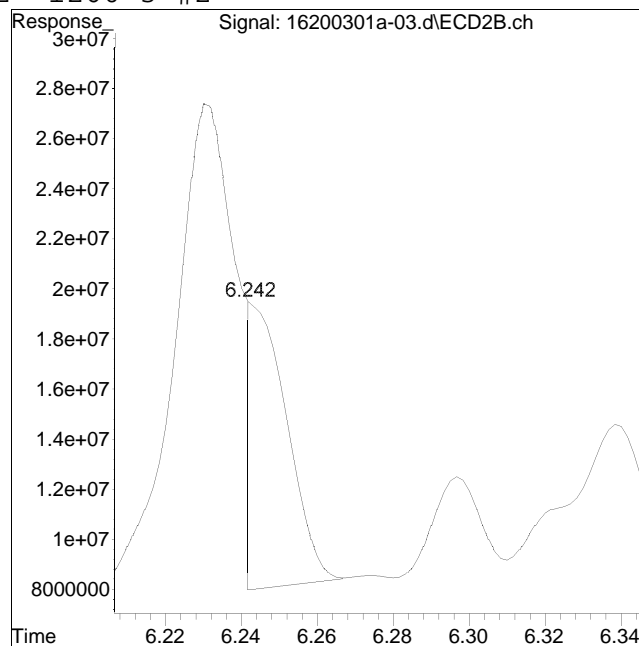
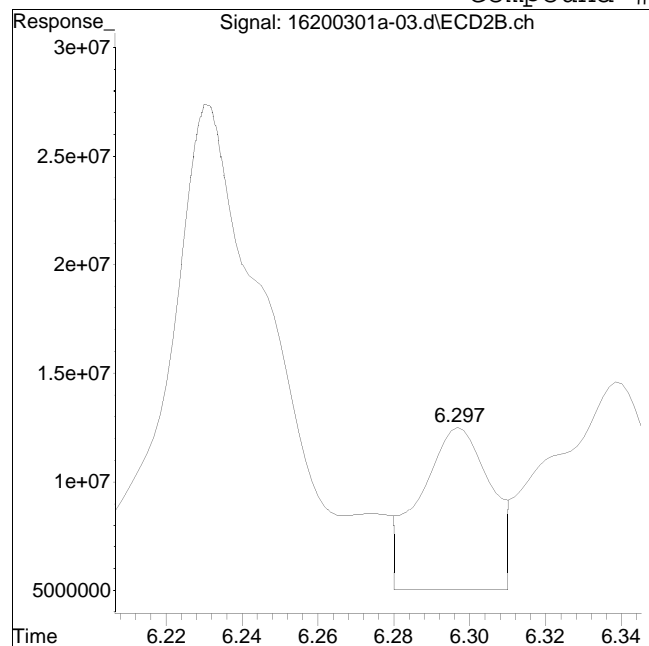
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #62: 1260-3 #2



Original Peak Response = 97431178

Manual Peak Response = 81914931 M3

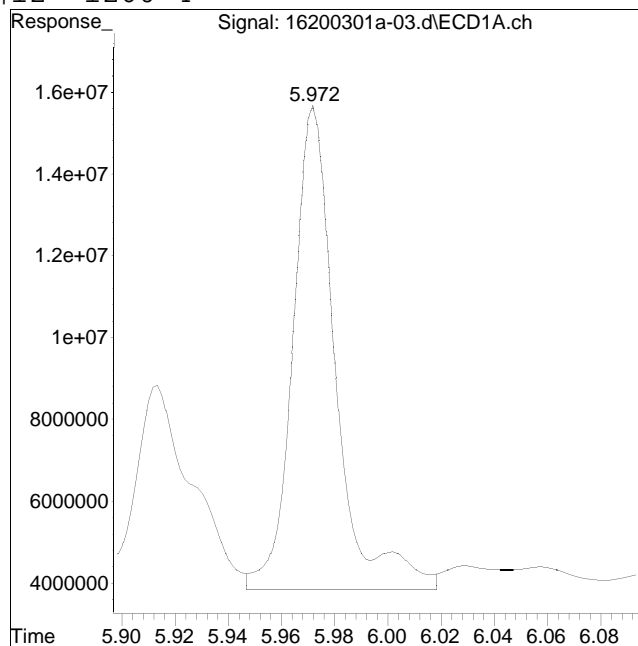
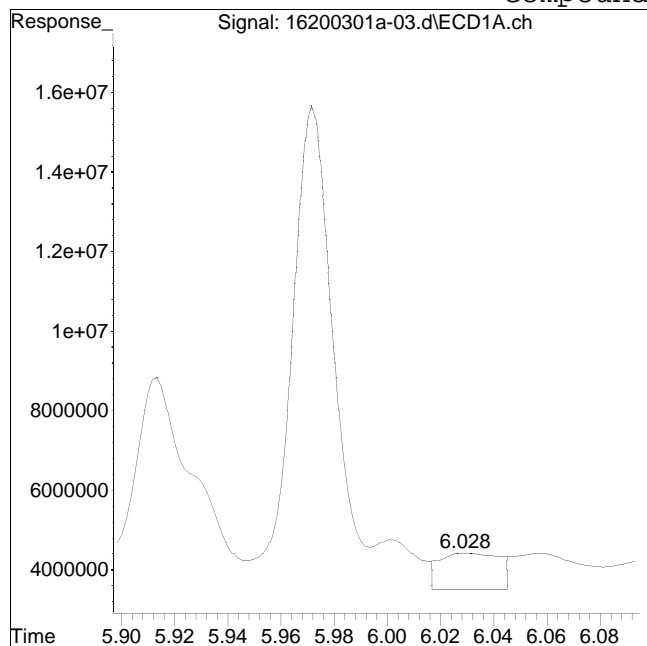
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #12: 1260-4



Original Peak Response = 14242084

Manual Peak Response = 132802532 M3

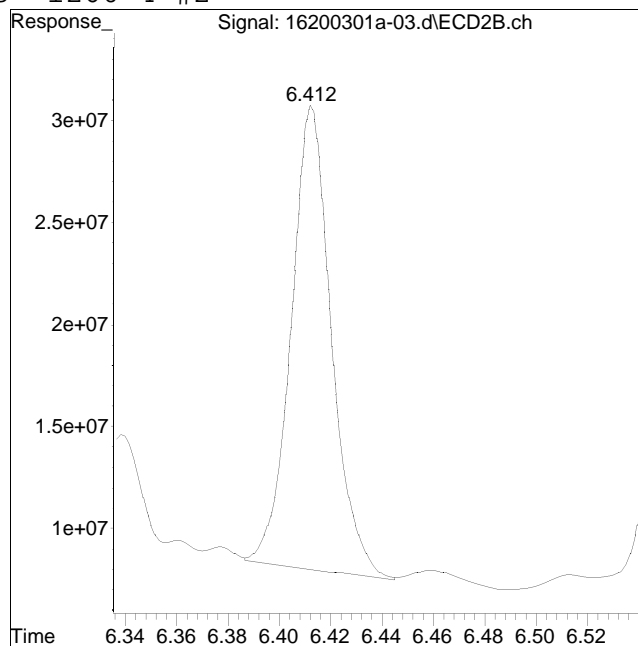
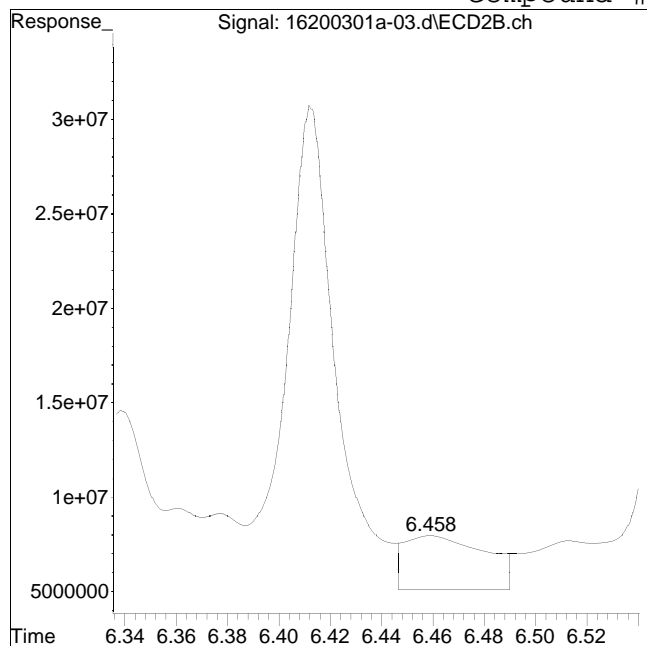
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #63: 1260-4 #2



Original Peak Response = 62434466

Manual Peak Response = 248143626 M3

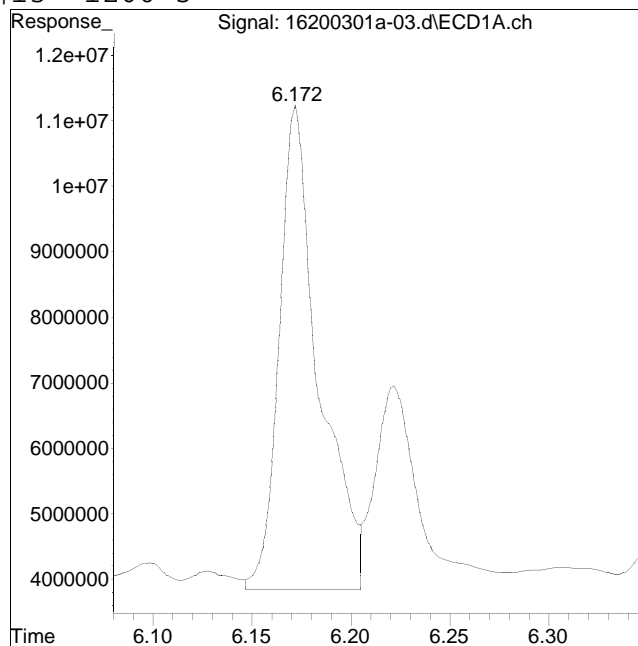
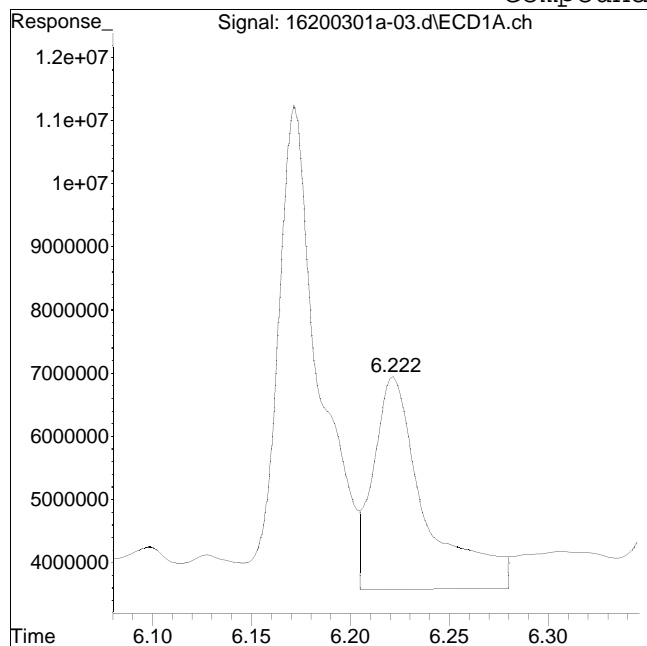
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #13: 1260-5



Original Peak Response = 61520952

Manual Peak Response = 103613183 M3

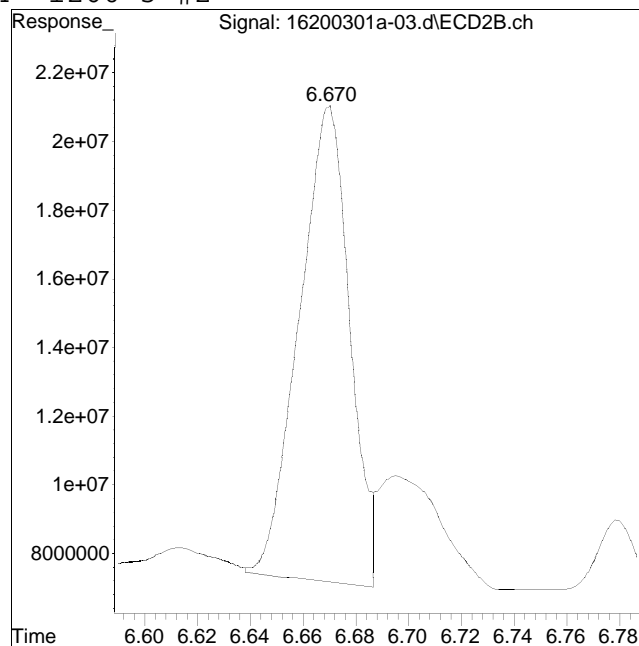
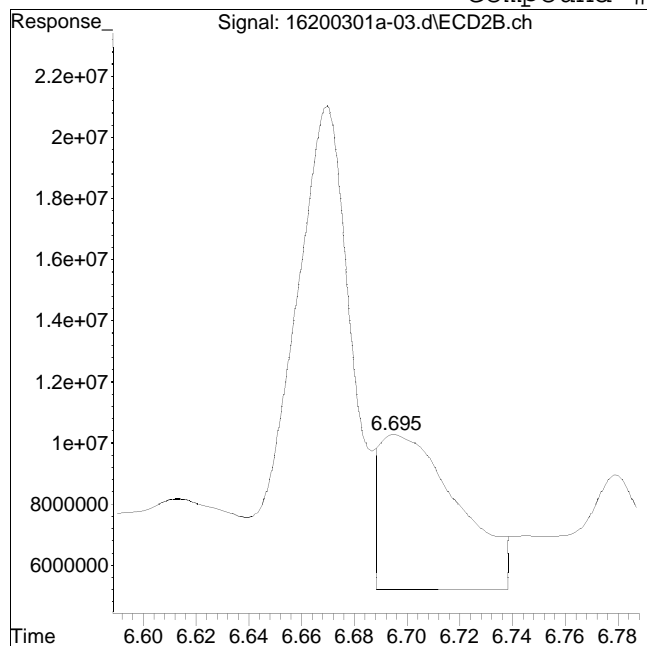
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #64: 1260-5 #2



Original Peak Response = 105265483

Manual Peak Response = 181725007 M3

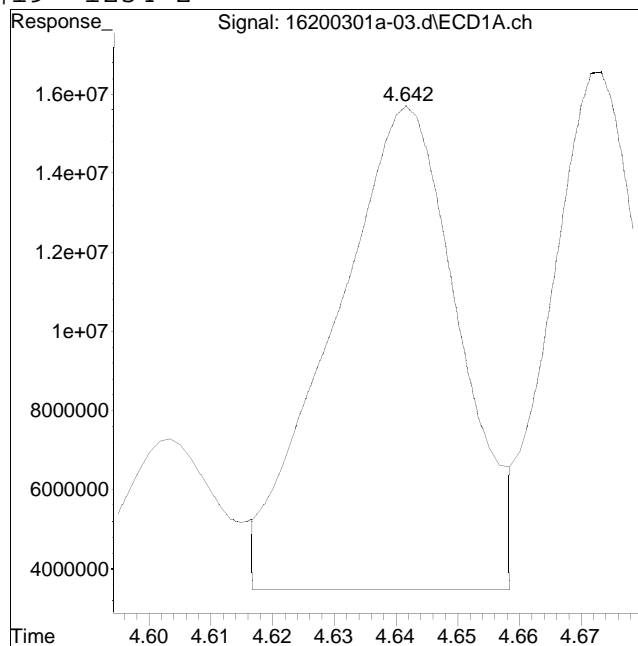
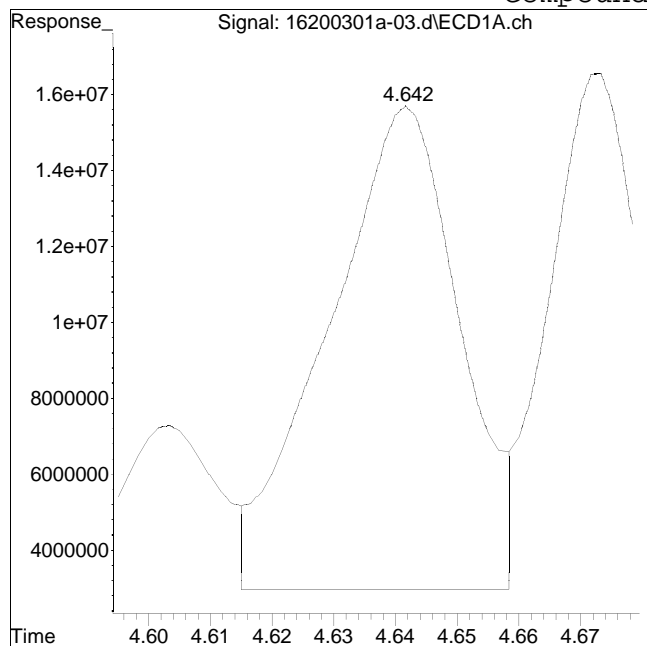
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #19: 1254-2



Original Peak Response = 186424848

Manual Peak Response = 171007708 M4

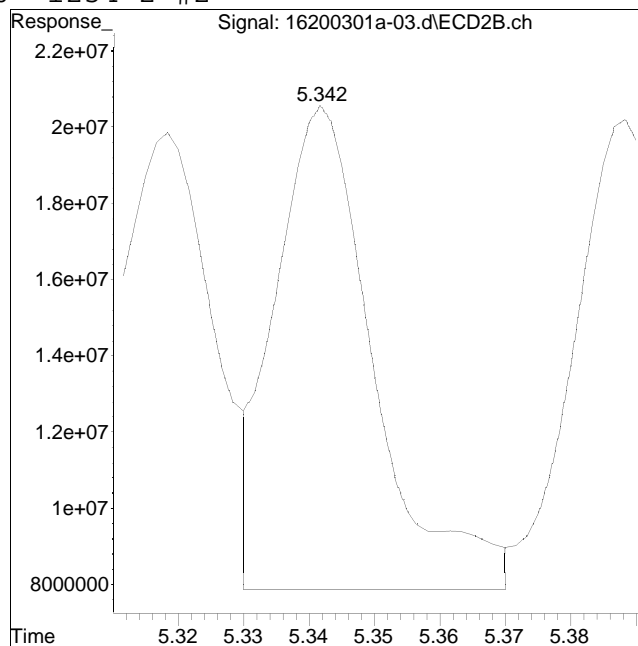
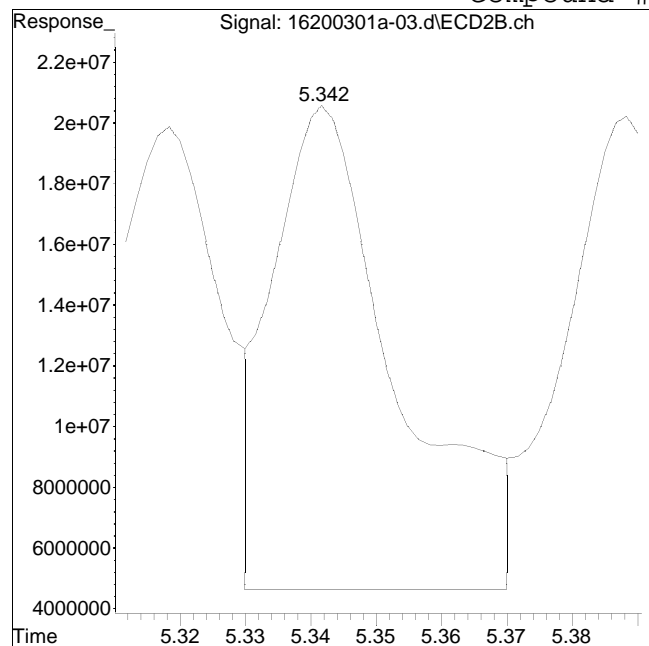
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #70: 1254-2 #2



Original Peak Response = 211554290

Manual Peak Response = 134780568 M4

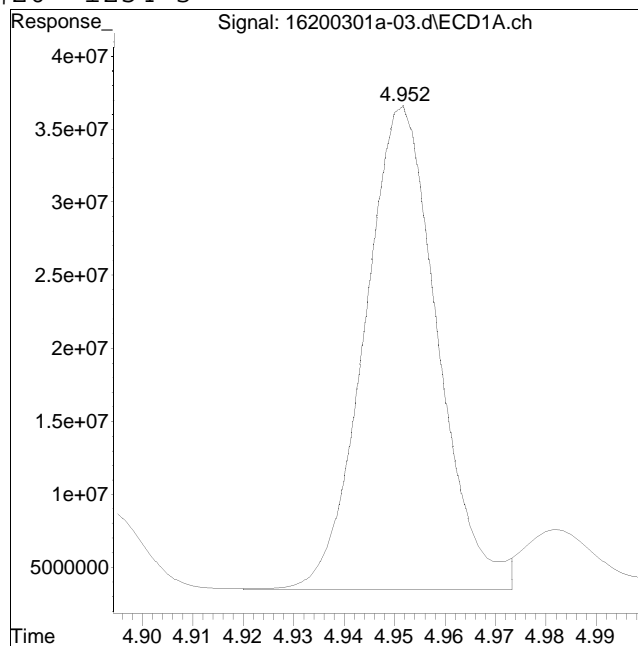
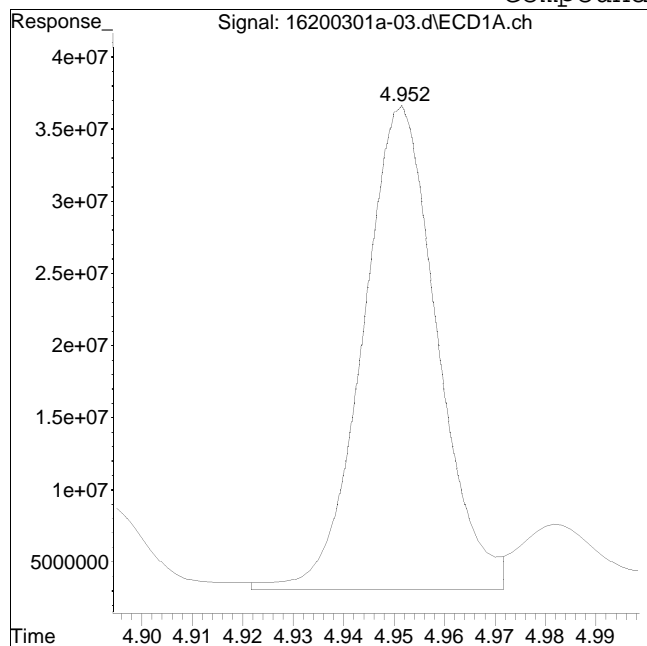
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #20: 1254-3



Original Peak Response = 342889566

Manual Peak Response = 332107927 M4

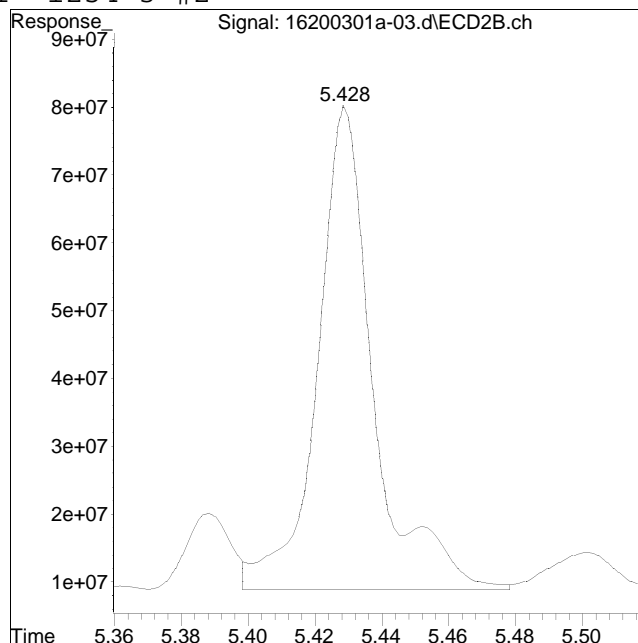
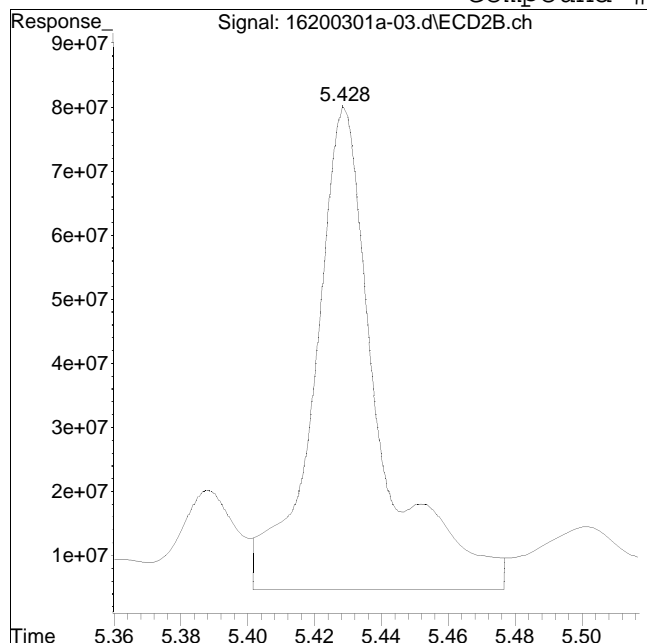
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #71: 1254-3 #2



Original Peak Response = 1013182597

Manual Peak Response = 828515562 M4

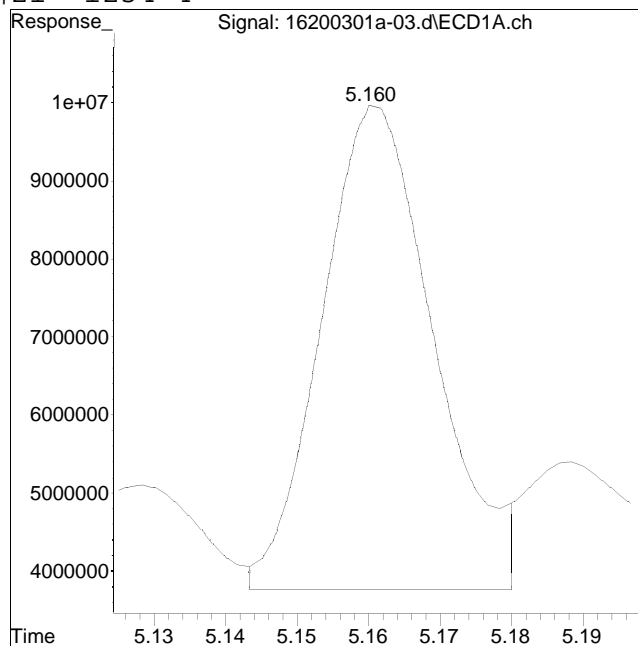
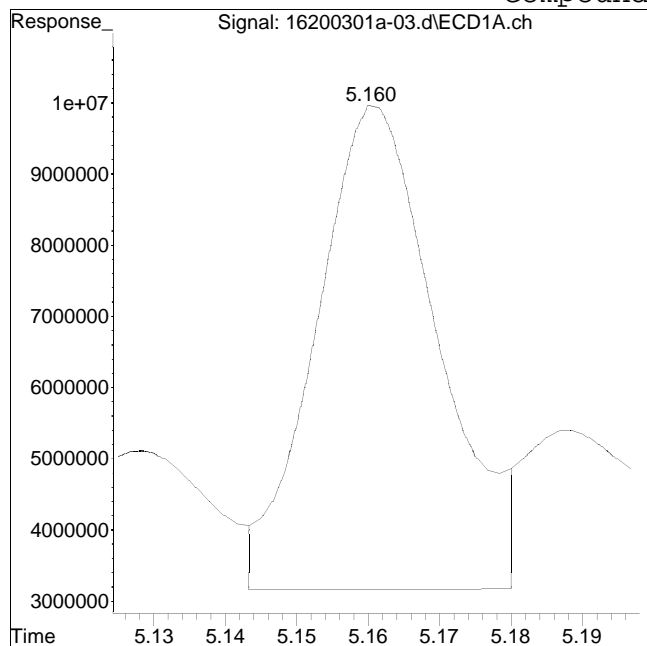
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #21: 1254-4



Original Peak Response = 79738169

Manual Peak Response = 66549811 M4

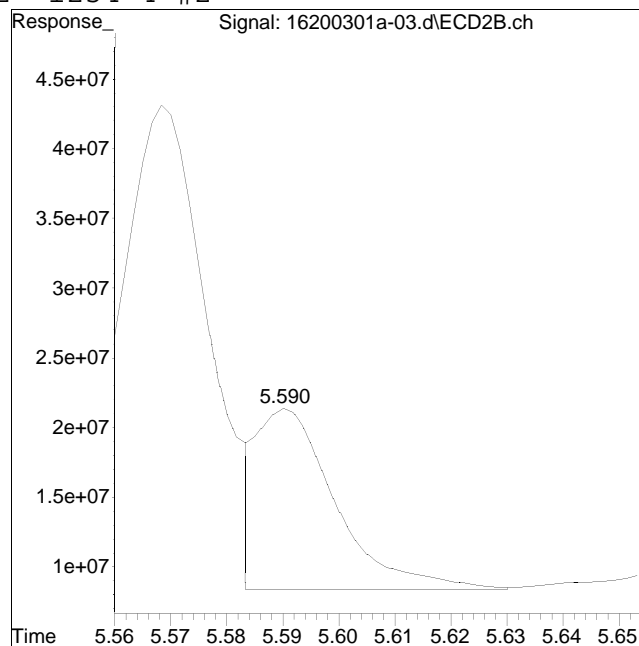
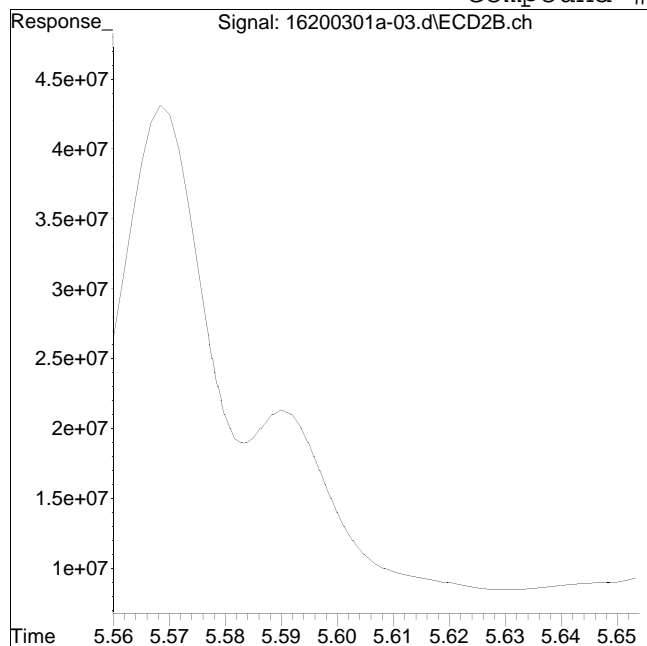
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-03.d
Date Inj'd : 3/1/2020 1:02 pm
Sample : 12008805-01,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #72: 1254-4 #2



Original Peak Response = 0

Manual Peak Response = 133050090 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-07.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 1:49 pm
 Operator : pest16:cw
 Sample : 12008805-03,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:38:43 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.247	2.284	507.5E6	1289.0E6	250.000M1	250.000
Standard Area 1 : #1 = 675105577					Recovery =	75.17%
Standard Area 1 : #2 = 1650174948					Recovery =	78.11%
14) i 2154_1br2nb	2.247	2.284	507.5E6	1289.0E6	250.000M1	250.000
23) i 4268_1br2nb	2.247	2.284	507.5E6	1289.0E6	250.000M1	250.000
34) i 1248_1br2nb	2.247	2.284	507.5E6	1289.0E6	250.000M1	250.000
40) i 3262_1br2nb	2.247	2.284	507.5E6	1289.0E6	250.000M1	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.761	2.947	1021.7E6	2302.6E6	432.326	396.020
Spiked Amount 500.000	Range 30 - 150				Recovery =	86.47% 79.20%
3) s Decachlorobi	6.857	7.403	658.8E6	1289.9E6	396.889M4	395.852M1
Spiked Amount 500.000	Range 30 - 150				Recovery =	79.38% 79.17%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-07.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 1:49 pm
 Operator : pest16:cw
 Sample : 12008805-03,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:38:43 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D.
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	4.397	4.901	205.2E6	587.8E6	2493.373	2714.447M4
19) 14 1254-2	4.599	0.000	466.8E6	0	3189.837	N.D. d
20) 14 1254-3	4.908	5.396	615.6E6	1480.4E6	4162.800M4	3917.815
21) 14 1254-4	5.117	5.558	425.1E6	918.2E6	3711.867M4	3589.367M4
22) 14 1254-5	5.457	5.942	609.8E6	1201.4E6	3958.848	3560.358M4
Sum 1254-1			2322.5E6	4187.8E6	17516.724	13781.987
Average 1254-1					3503.345	3445.497
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D.
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-07.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 1:49 pm
 Operator : pest16:cw
 Sample : 12008805-03,42e,,
 Misc : wg1345888,wg1345844,ical16473
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:38:43 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-07.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 1:49 pm
 Operator : pest16:cw
 Sample : 12008805-03,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:38:43 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

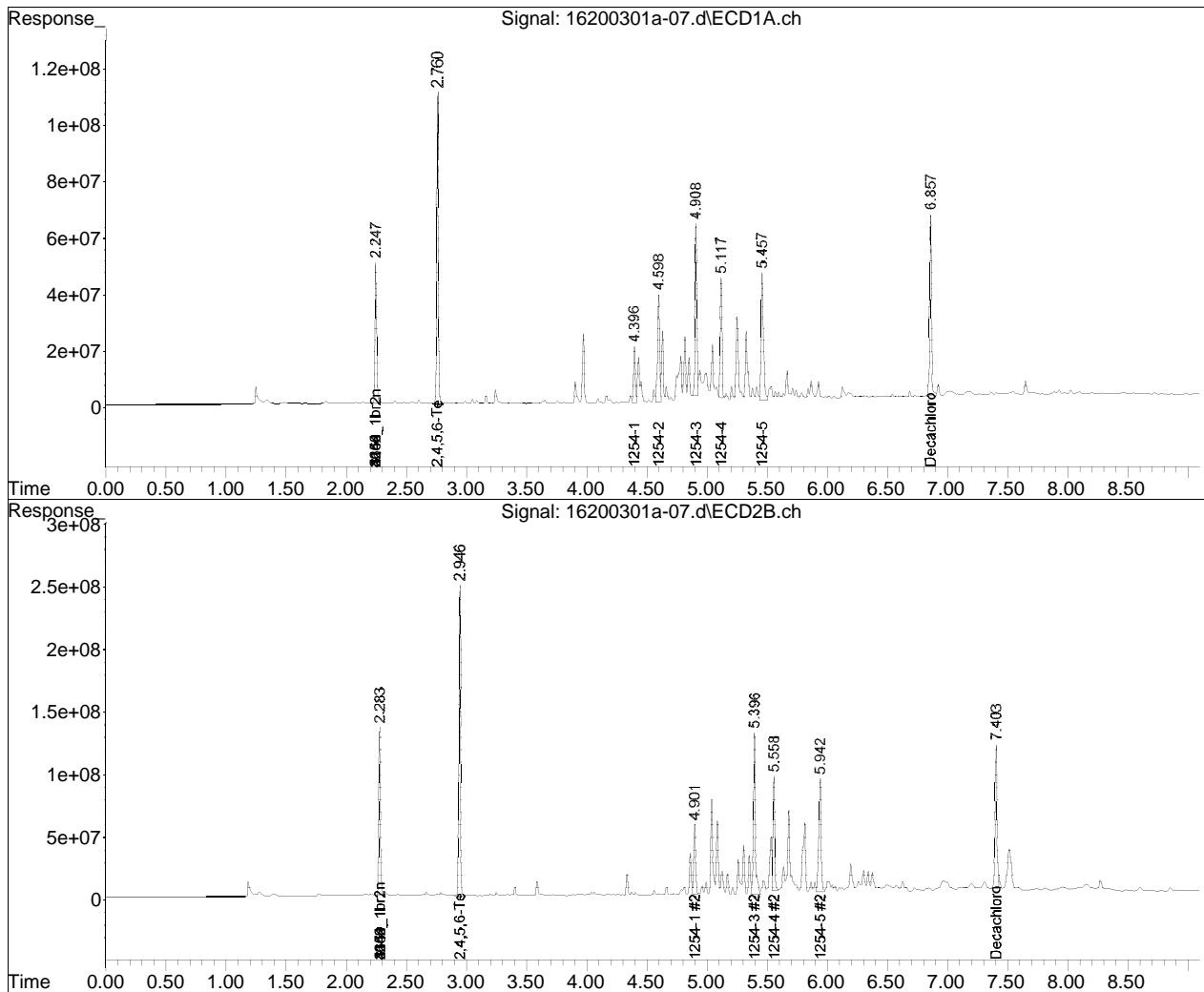
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200301A\
Data File : 16200301a-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Mar 2020 1:49 pm
Operator : pest16:cw
Sample : 12008805-03,42e,,
Misc : wg1345888,wg1345844,ical16473
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 17:38:43 2020
Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Sun Mar 01 19:17:38 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

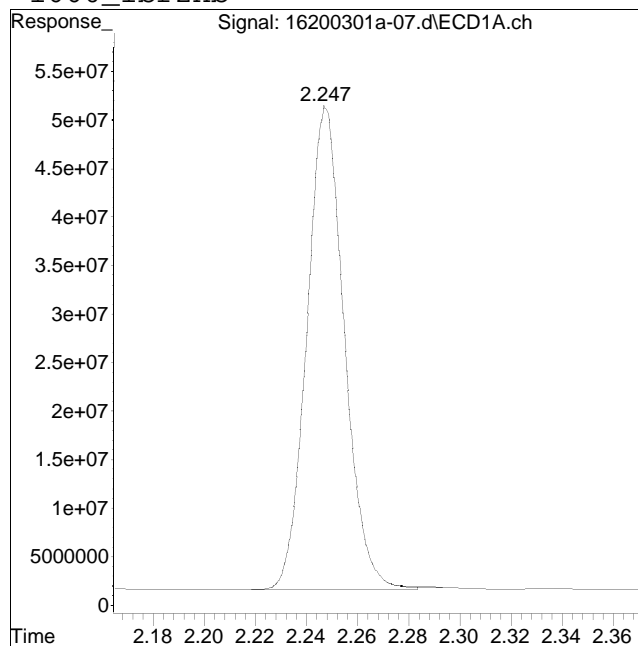
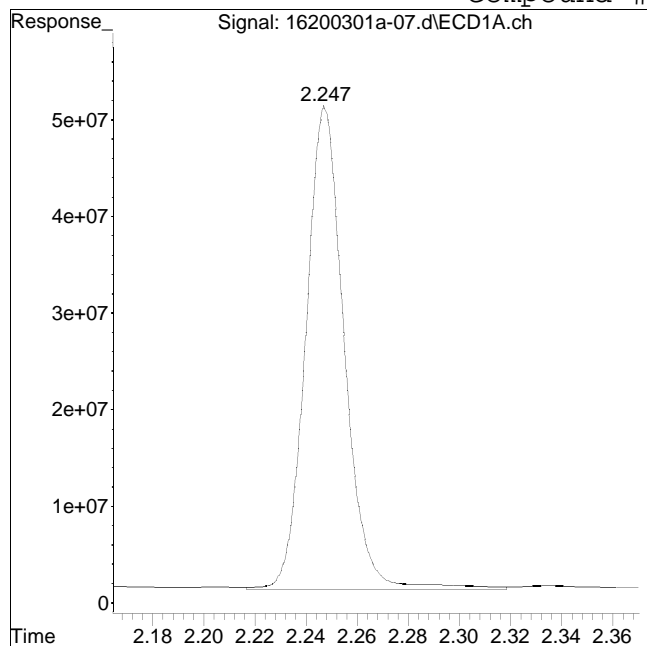


Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-07.d
Date Inj'd : 3/1/2020 1:49 pm
Sample : 12008805-03,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #1: 1660_1br2nb



Original Peak Response = 527124601

Manual Peak Response = 507467828 M1

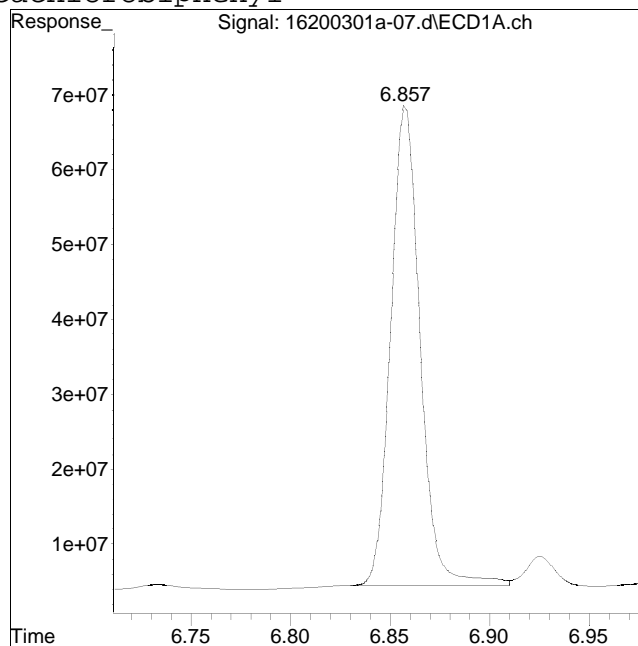
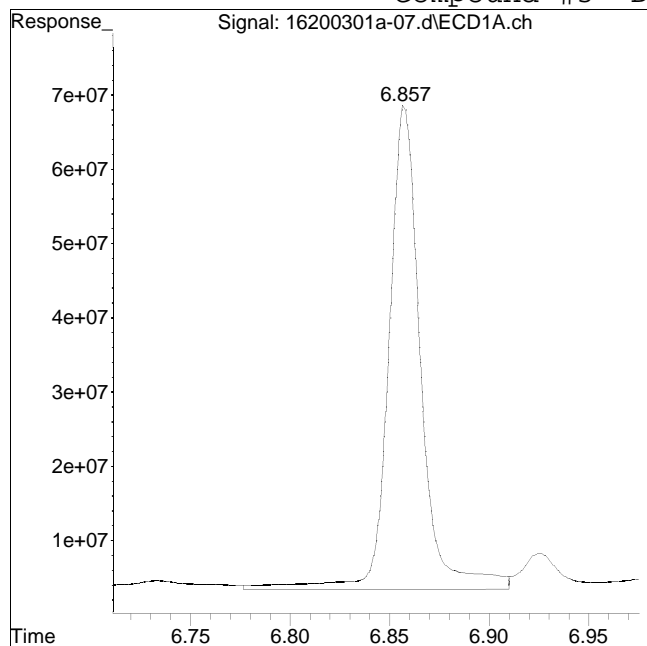
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-07.d
Date Inj'd : 3/1/2020 1:49 pm
Sample : 12008805-03,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 731931080

Manual Peak Response = 658798804 M4

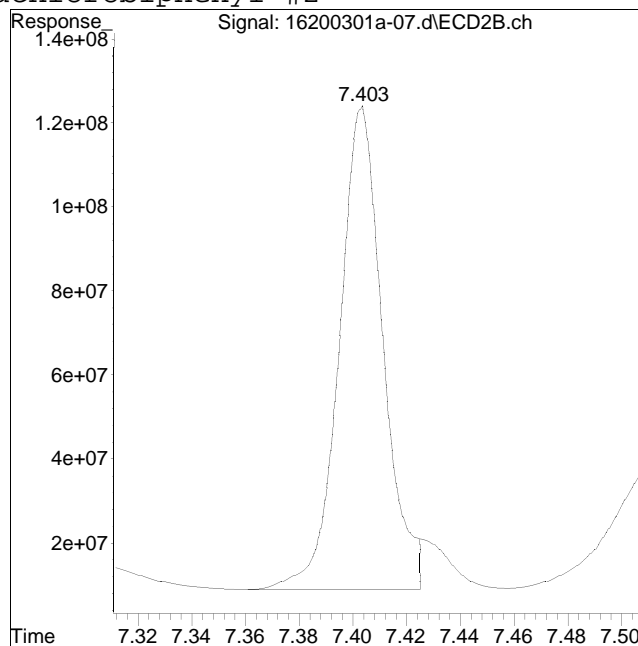
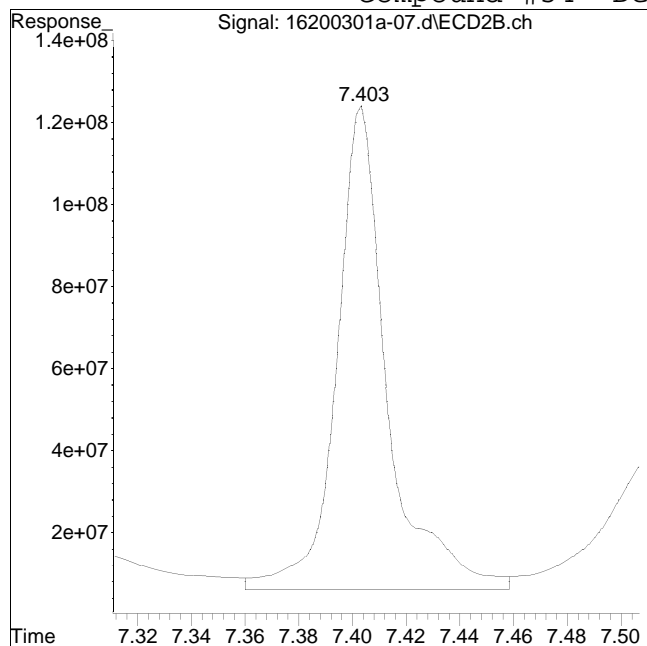
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-07.d
Date Inj'd : 3/1/2020 1:49 pm
Sample : 12008805-03,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1552791896

Manual Peak Response = 1289858235 M1

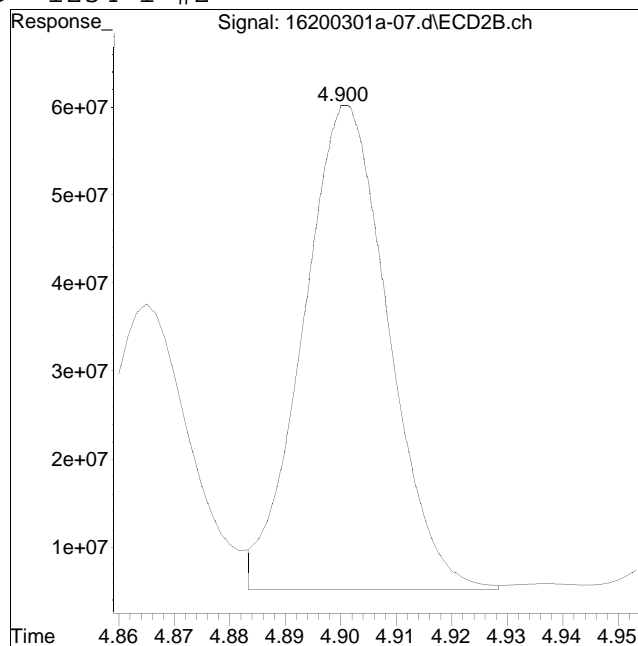
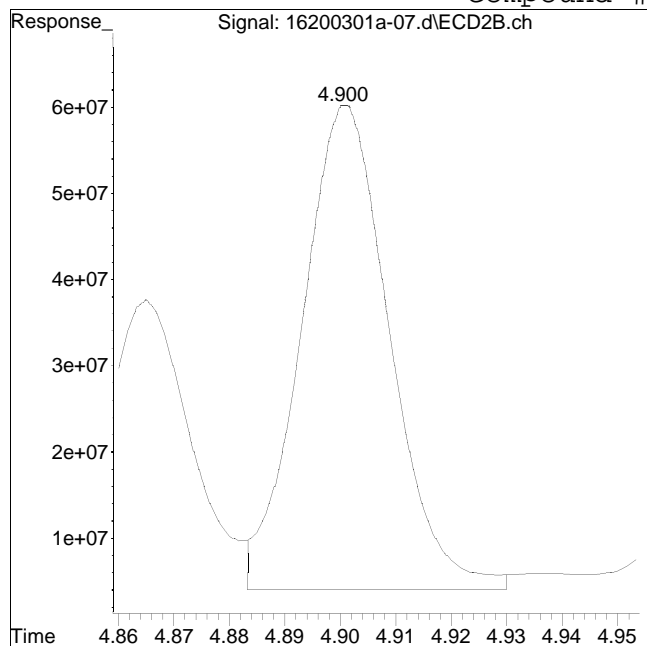
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-07.d
Date Inj'd : 3/1/2020 1:49 pm
Sample : 12008805-03,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #69: 1254-1 #2



Original Peak Response = 623807947

Manual Peak Response = 587837340 M4

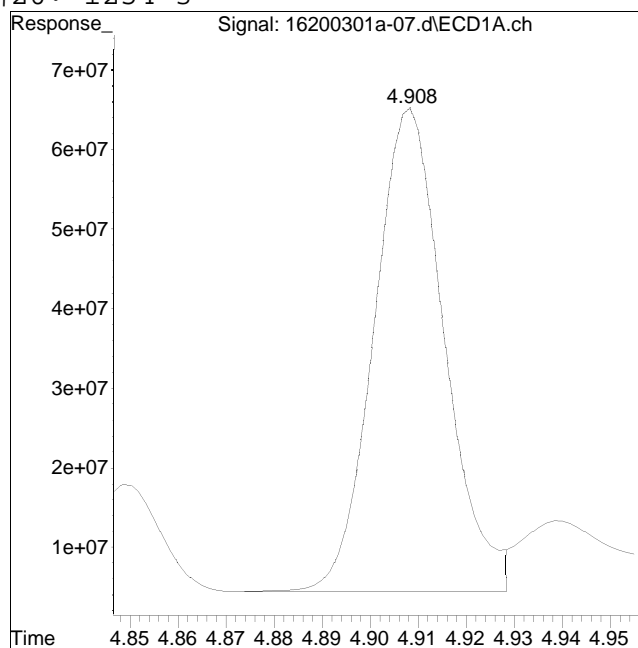
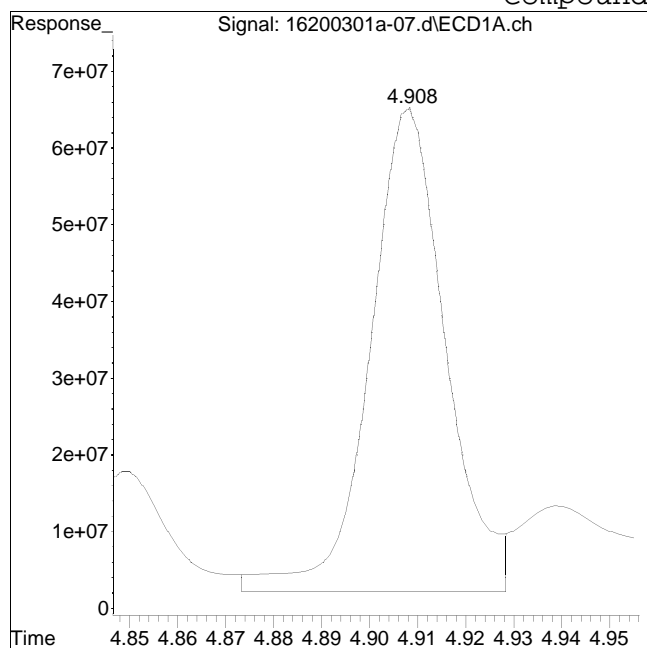
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-07.d
Date Inj'd : 3/1/2020 1:49 pm
Sample : 12008805-03,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #20: 1254-3



Original Peak Response = 691132981

Manual Peak Response = 615625508 M4

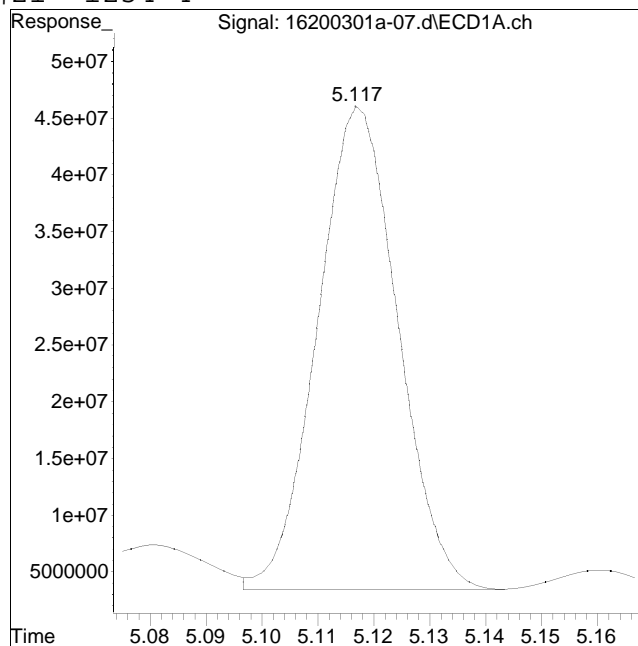
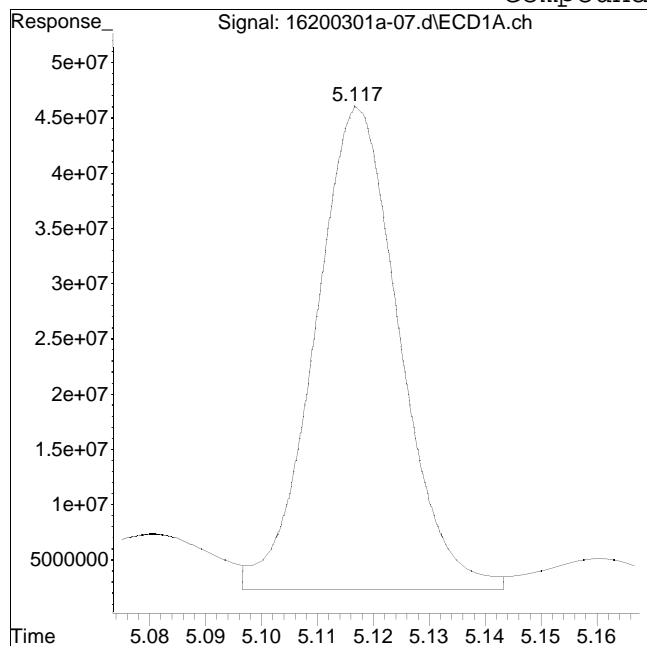
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-07.d
Date Inj'd : 3/1/2020 1:49 pm
Sample : 12008805-03,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #21: 1254-4



Original Peak Response = 456845994

Manual Peak Response = 425114307 M4

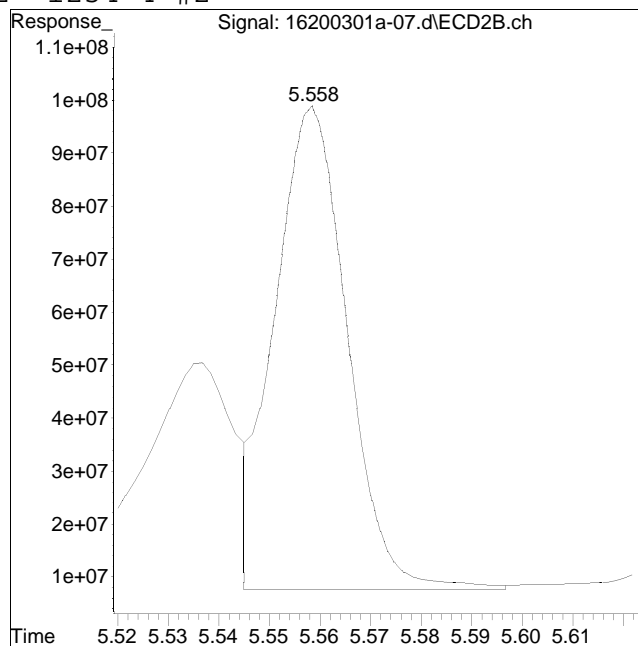
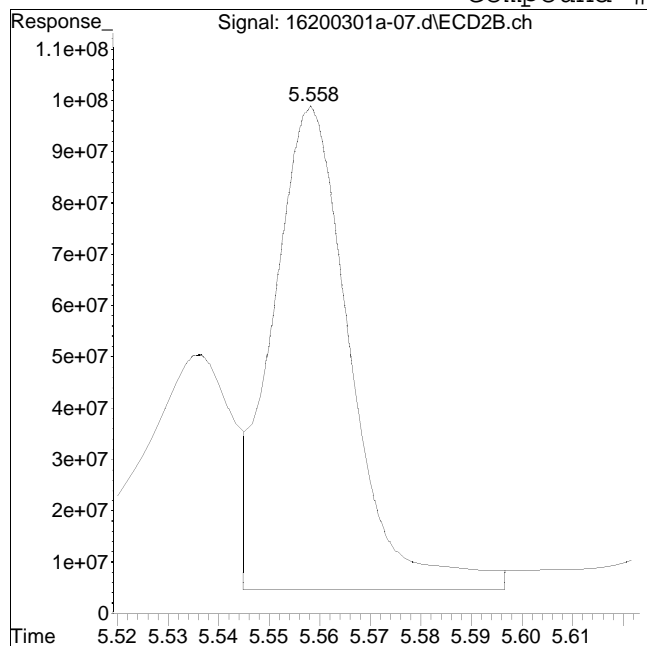
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-07.d
Date Inj'd : 3/1/2020 1:49 pm
Sample : 12008805-03,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #72: 1254-4 #2



Original Peak Response = 1023930976

Manual Peak Response = 918203625 M4

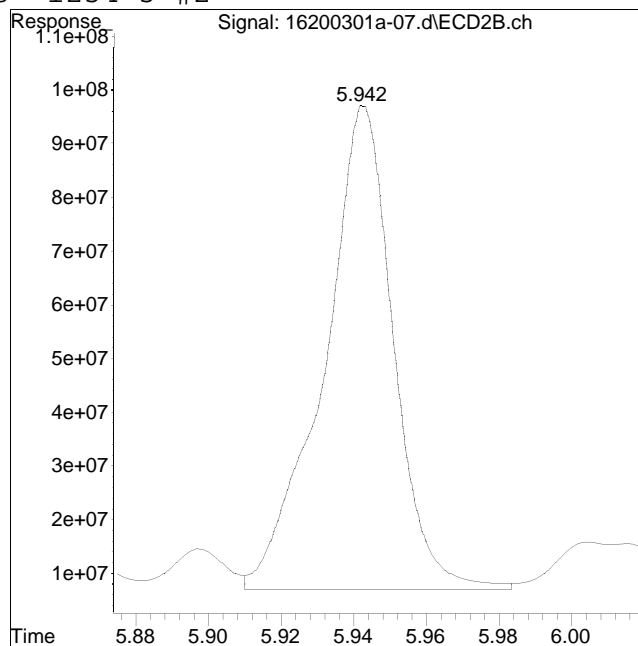
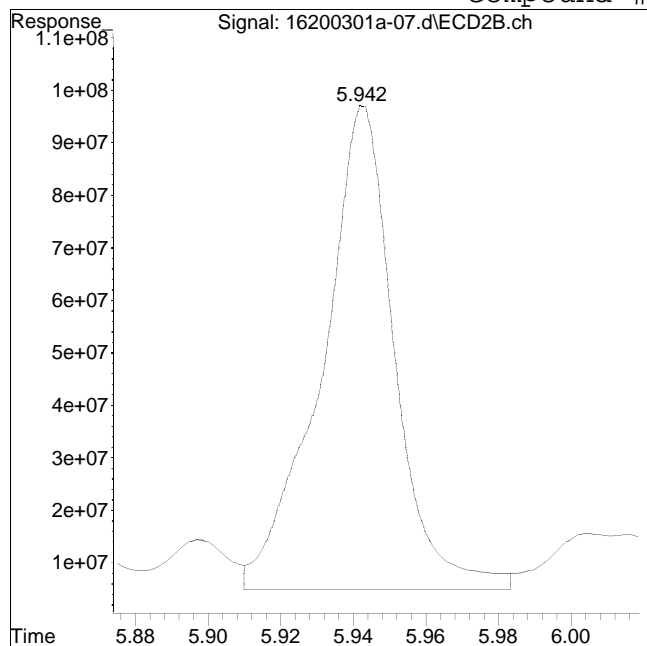
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-07.d
Date Inj'd : 3/1/2020 1:49 pm
Sample : 12008805-03,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #73: 1254-5 #2



Original Peak Response = 1288813729

Manual Peak Response = 1201422265 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-09.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 2:13 pm
 Operator : pest16:cw
 Sample : 12008805-05,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:42:10 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.248	2.284	597.6E6	1481.6E6	250.000	250.000
Standard Area 1 : #1 = 675105577					Recovery =	88.52%
Standard Area 1 : #2 = 1650174948					Recovery =	89.79%
14) i 2154_1br2nb	2.248	2.284	597.6E6	1481.6E6	250.000	250.000
23) i 4268_1br2nb	2.248	2.284	597.6E6	1481.6E6	250.000	250.000
34) i 1248_1br2nb	2.248	2.284	597.6E6	1481.6E6	250.000	250.000
40) i 3262_1br2nb	2.248	2.284	597.6E6	1481.6E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.760	2.947	1060.0E6	2492.7E6	380.901	372.965
Spiked Amount 500.000 Range 30 - 150					Recovery =	76.18% 74.59%
3) s Decachlorobi	6.856	7.401	708.3E6	1343.8E6	362.350M4	358.792M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	72.47% 71.76%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.044f	5.536f	233.3E6	543.8E6	1743.071	1825.291M1
10) l2 1260-2	5.248f	5.682f	430.5E6	669.5E6	2093.361	1929.201M4
11) l2 1260-3	5.713f	6.211f	265.6E6	582.5E6	2064.199M3	2105.868M4
12) l2 1260-4	5.928f	6.375f	719.5E6	1366.4E6	2396.439M1	2368.628M4
13) l2 1260-5	6.127f	6.627f	482.0E6	947.7E6	2451.177M4	2432.949M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-09.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 2:13 pm
 Operator : pest16:cw
 Sample : 12008805-05,42e,,
 Misc : wg1345888,wg1345844,ical16473
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:42:10 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1				2130.8E6	4110.0E6	10748.248	10661.937
Average 1260-1						2149.650	2132.387
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2				0	0	N.D.	N.D.
Average 1221-2						0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1				0	0	N.D.	N.D.
Average 1254-1						0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D.	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1				0	0	N.D.	N.D.
Average 1242-1						0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1				0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-09.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 2:13 pm
 Operator : pest16:cw
 Sample : 12008805-05,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:42:10 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-09.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 2:13 pm
 Operator : pest16:cw
 Sample : 12008805-05,42e,,
 Misc : wg1345888,wg1345844,ical16473
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:42:10 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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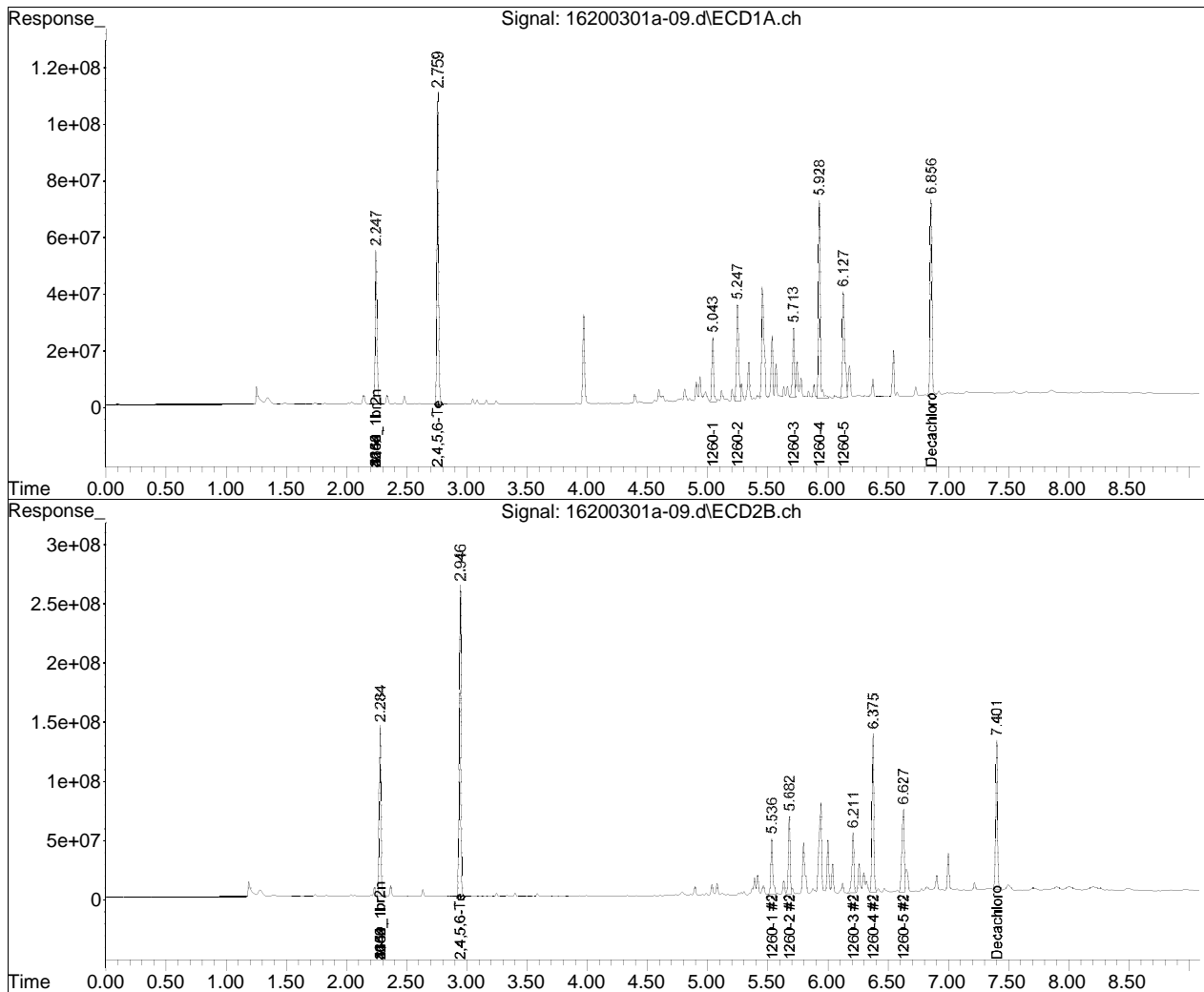
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200301A\
Data File : 16200301a-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Mar 2020 2:13 pm
Operator : pest16:cw
Sample : 12008805-05,42e,,
Misc : wg1345888,wg1345844,ical16473
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 17:42:10 2020
Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Sun Mar 01 19:17:38 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

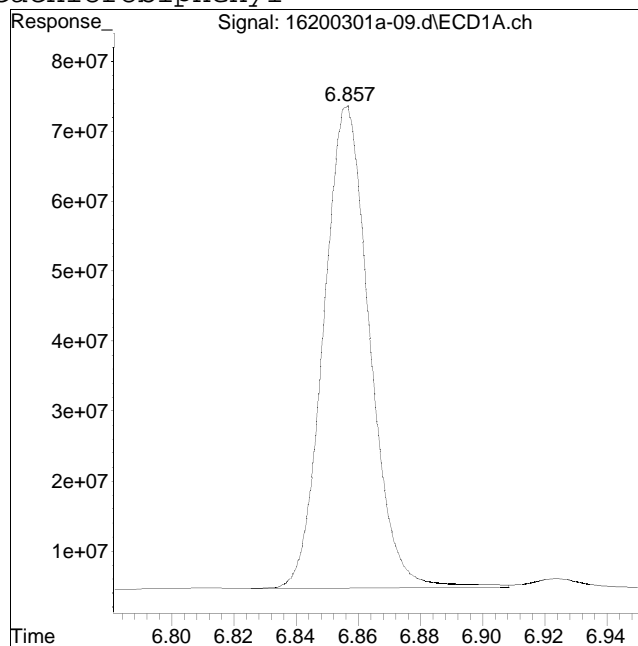
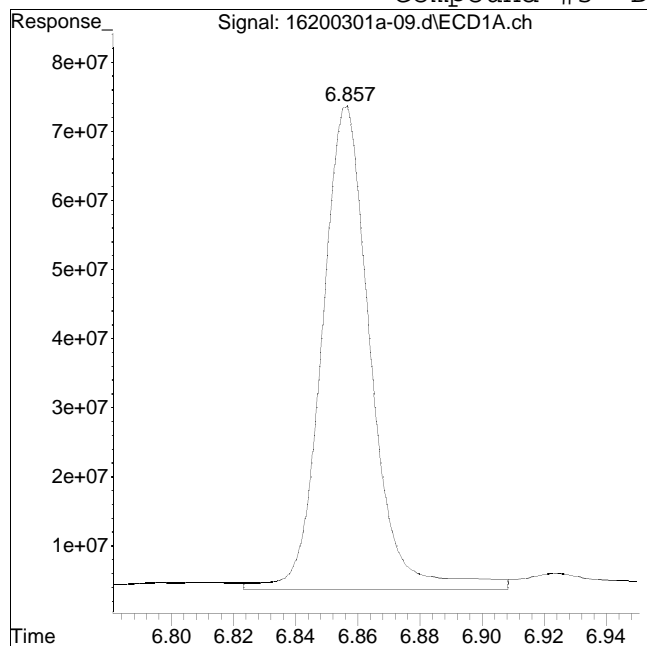


Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-09.d
Date Inj'd : 3/1/2020 2:13 pm
Sample : 12008805-05,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 759575942

Manual Peak Response = 708279298 M4

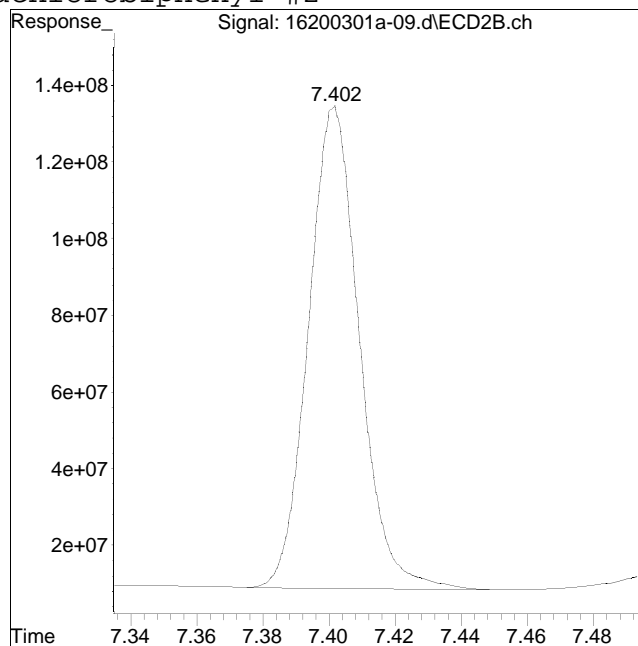
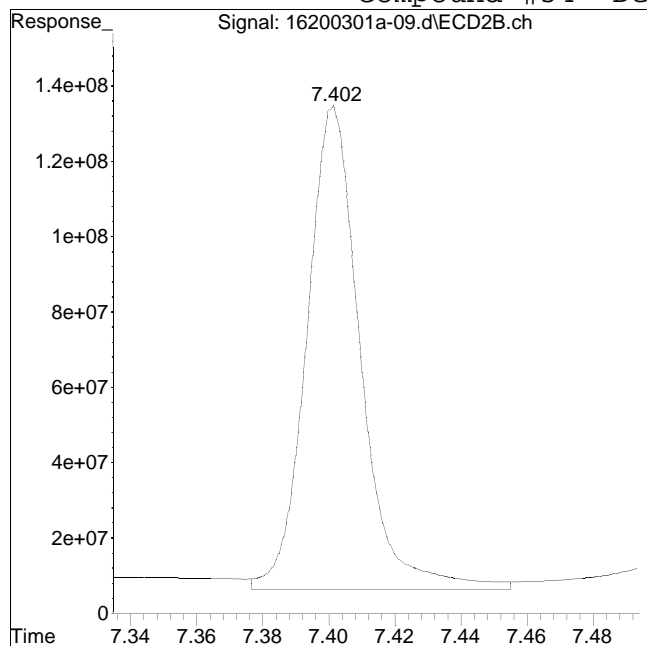
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-09.d
Date Inj'd : 3/1/2020 2:13 pm
Sample : 12008805-05,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1458033356

Manual Peak Response = 1343822221 M4

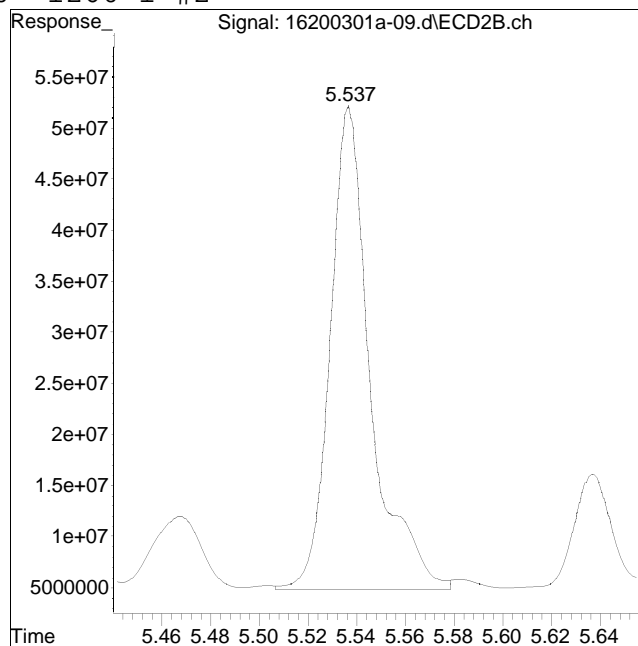
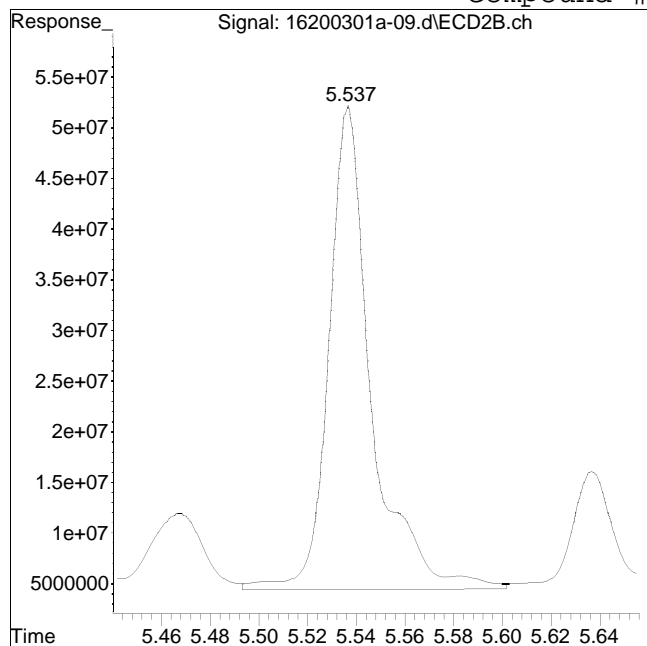
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-09.d
Date Inj'd : 3/1/2020 2:13 pm
Sample : 12008805-05,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #60: 1260-1 #2



Original Peak Response = 578522850

Manual Peak Response = 543762716 M1

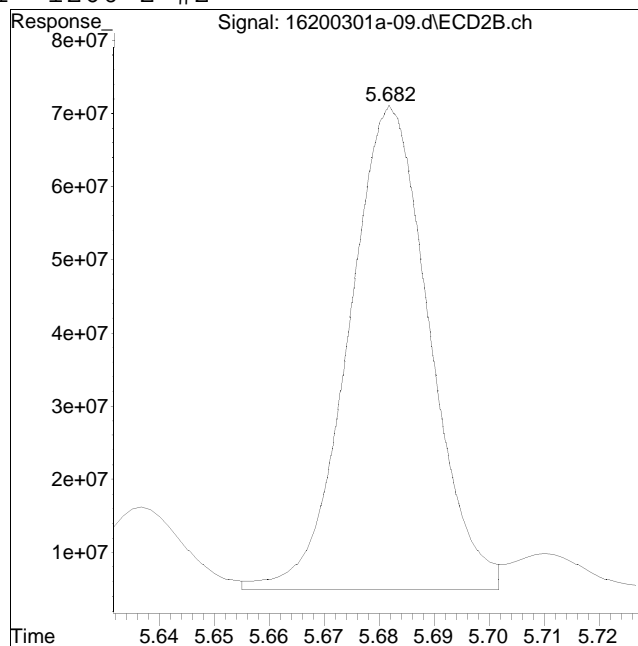
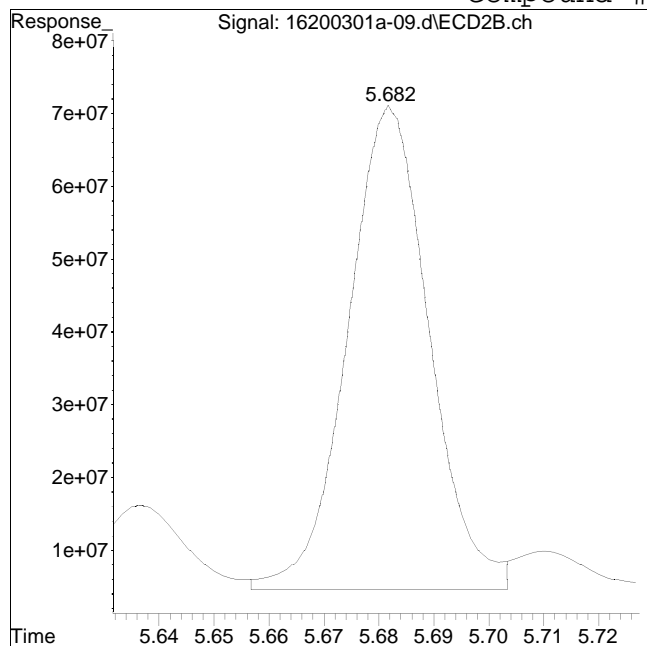
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-09.d
Date Inj'd : 3/1/2020 2:13 pm
Sample : 12008805-05,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #61: 1260-2 #2



Original Peak Response = 684031606

Manual Peak Response = 669544354 M4

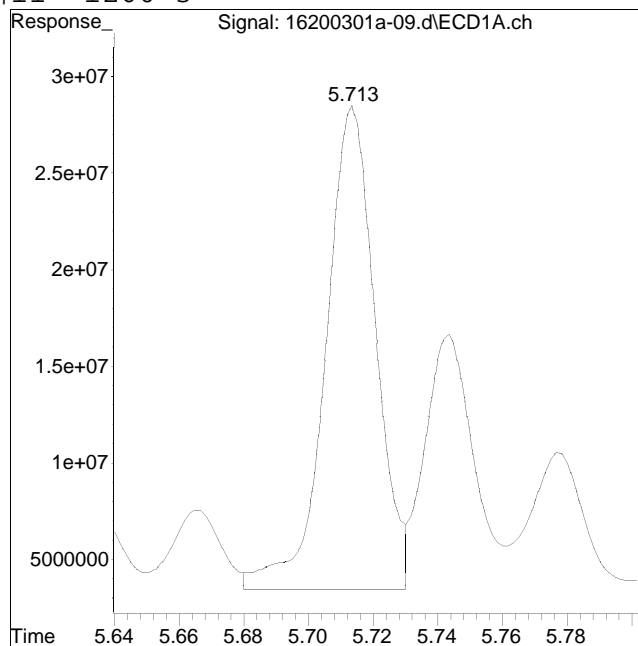
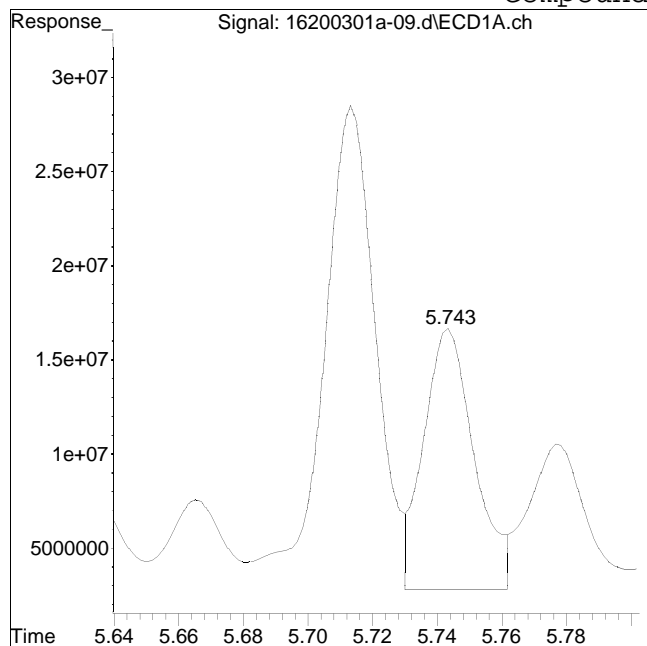
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-09.d
Date Inj'd : 3/1/2020 2:13 pm
Sample : 12008805-05,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #11: 1260-3



Original Peak Response = 150076575

Manual Peak Response = 265576389 M3

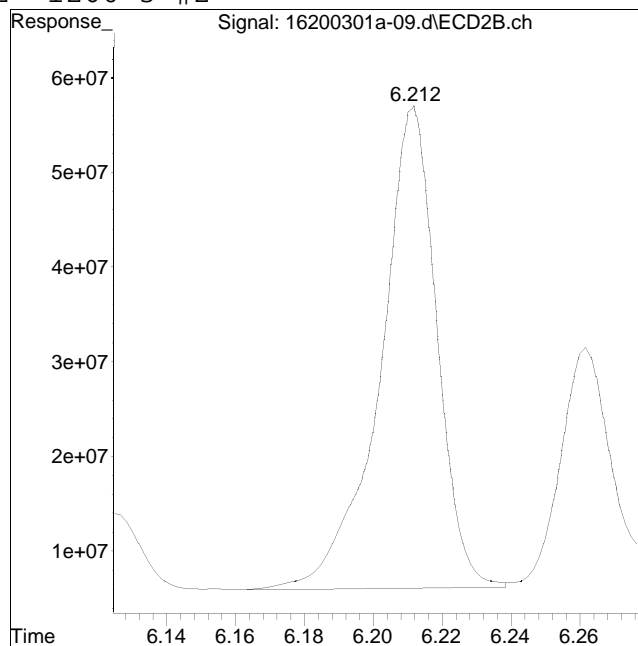
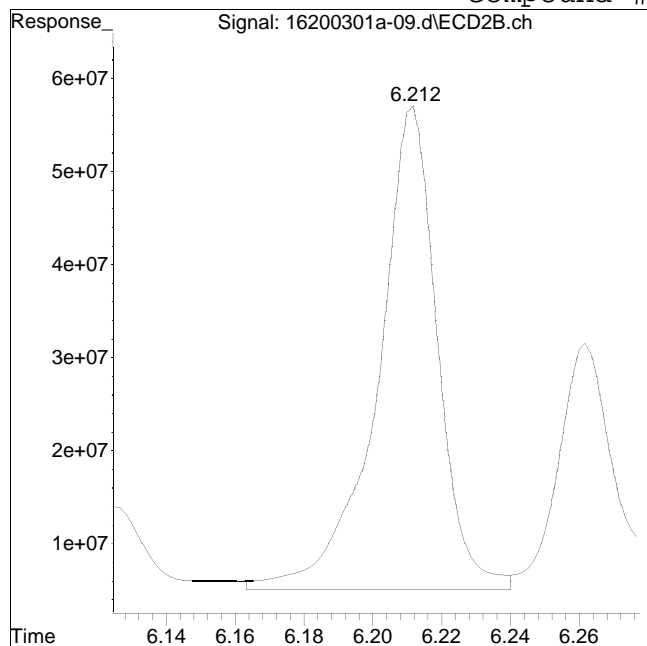
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-09.d
Date Inj'd : 3/1/2020 2:13 pm
Sample : 12008805-05,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #62: 1260-3 #2



Original Peak Response = 626940699

Manual Peak Response = 582542053 M4

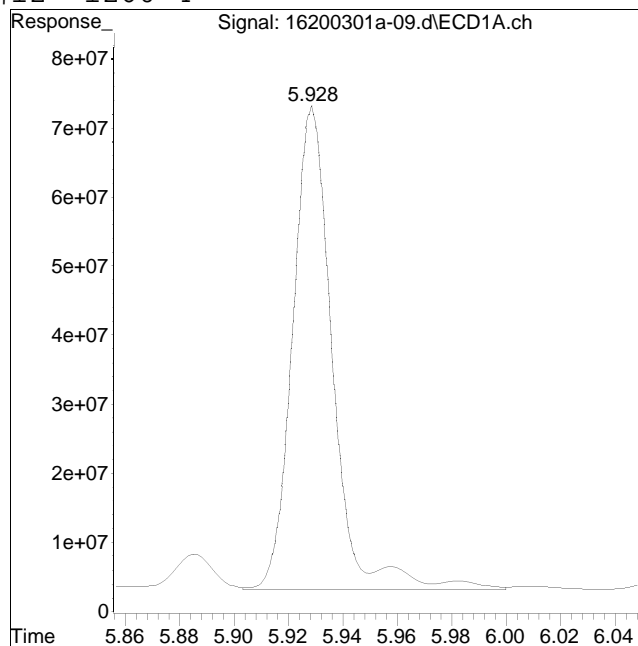
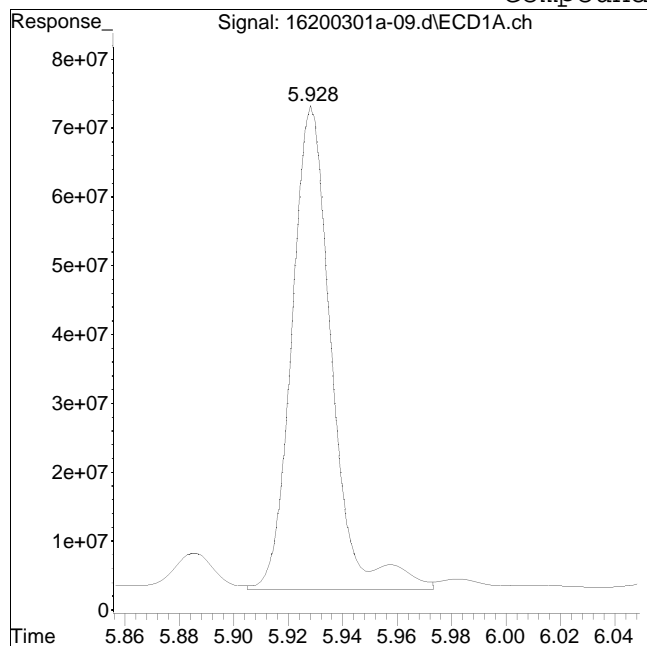
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-09.d
Date Inj'd : 3/1/2020 2:13 pm
Sample : 12008805-05,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #12: 1260-4



Original Peak Response = 714615375

Manual Peak Response = 719453749 M1

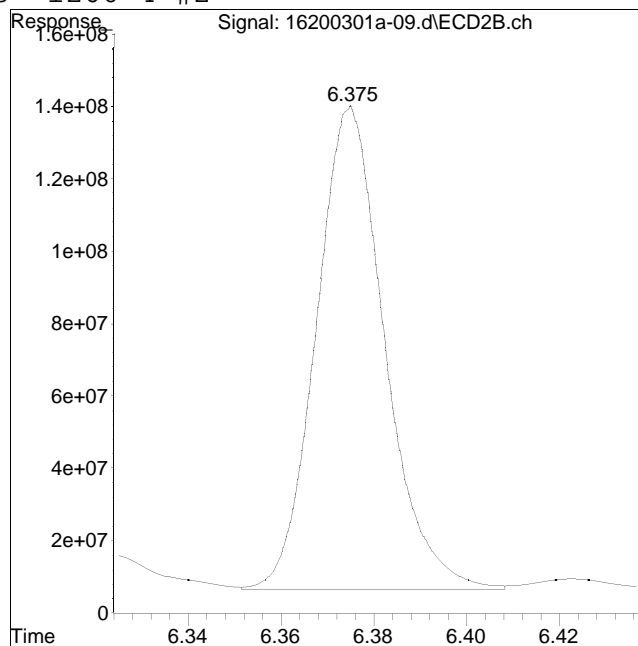
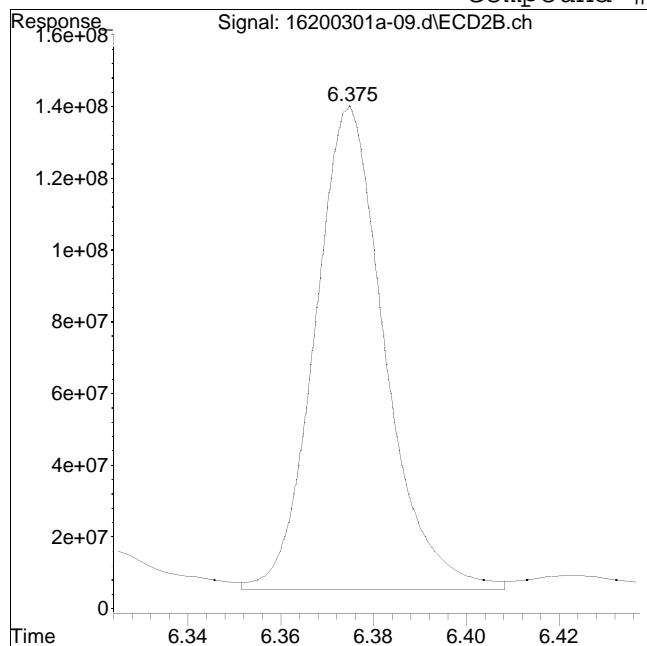
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-09.d
Date Inj'd : 3/1/2020 2:13 pm
Sample : 12008805-05,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #63: 1260-4 #2



Original Peak Response = 1410949653

Manual Peak Response = 1366423772 M4

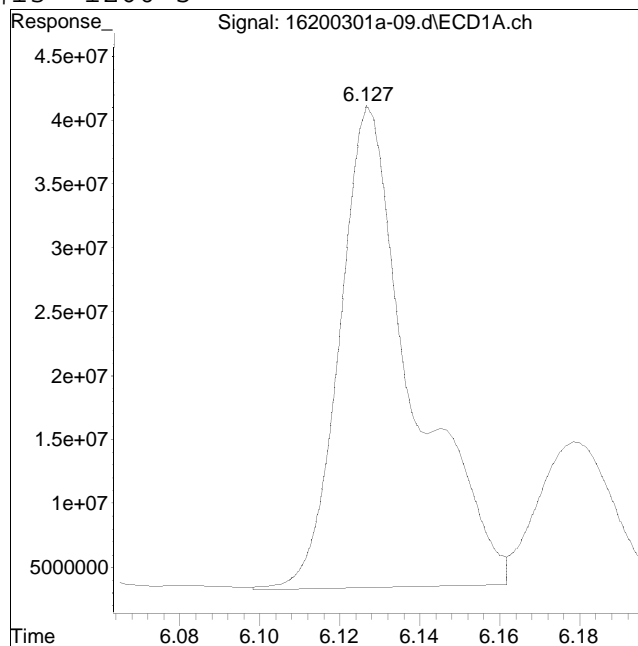
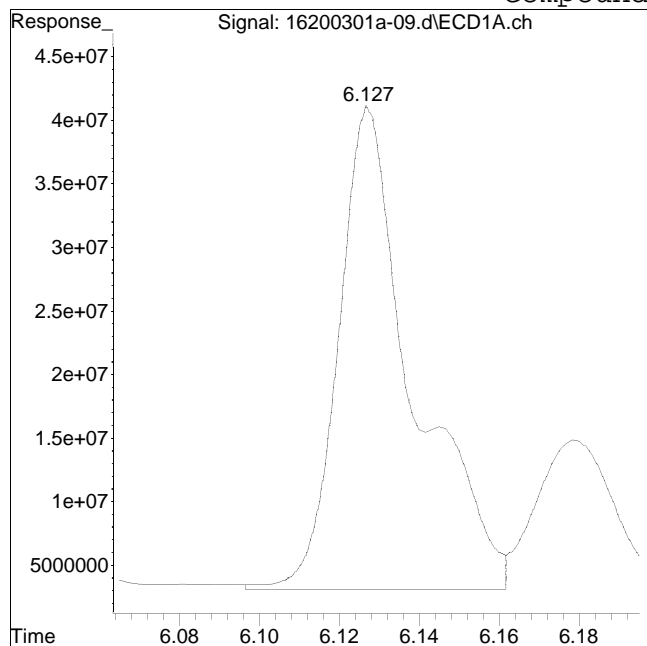
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-09.d
Date Inj'd : 3/1/2020 2:13 pm
Sample : 12008805-05,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #13: 1260-5



Original Peak Response = 493273867

Manual Peak Response = 481952971 M4

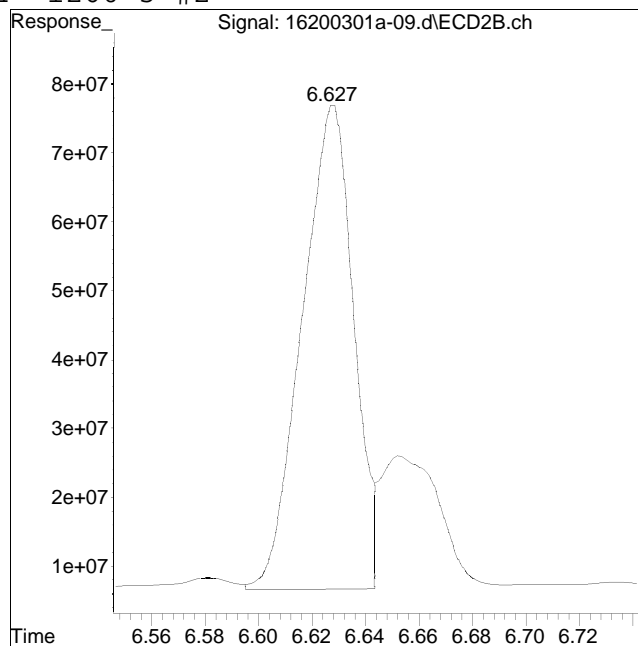
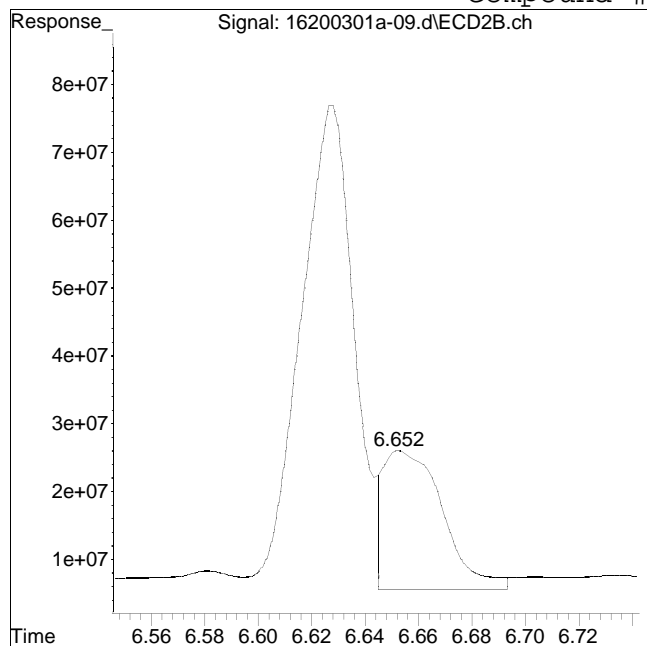
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-09.d
Date Inj'd : 3/1/2020 2:13 pm
Sample : 12008805-05,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #64: 1260-5 #2



Original Peak Response = 321485879

Manual Peak Response = 947719781 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-11.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 2:36 pm
 Operator : pest16:cw
 Sample : 12008805-07,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:44:38 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.248	2.284	572.2E6	1496.8E6	250.000M4	250.000
Standard Area 1 : #1 = 675105577					Recovery =	84.76%
Standard Area 1 : #2 = 1650174948					Recovery =	90.70%
14) i 2154_1br2nb	2.248	2.284	572.2E6	1496.8E6	250.000M4	250.000
23) i 4268_1br2nb	2.248	2.284	572.2E6	1496.8E6	250.000M4	250.000
34) i 1248_1br2nb	2.248	2.284	572.2E6	1496.8E6	250.000M4	250.000
40) i 3262_1br2nb	2.248	2.284	572.2E6	1496.8E6	250.000M4	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.761	2.947	971.7E6	2316.9E6	364.669	343.161M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	72.93% 68.63%
3) s Decachlorobi	6.855	7.400	654.4E6	1244.4E6	349.668M4	328.885M1
Spiked Amount 500.000 Range 30 - 150					Recovery =	69.93% 65.78%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.043f	5.536f	784.9E6	1682.7E6	6124.789	5591.377
10) l2 1260-2	5.247f	5.681f	1403.2E6	2256.9E6	7126.529M3	6437.114
11) l2 1260-3	5.712f	6.211f	934.4E6	1966.7E6	7585.074M3	7037.533
12) l2 1260-4	5.928f	6.375f	2536.1E6	4682.0E6	8822.441	8033.960
13) l2 1260-5	6.127f	6.627f	1759.2E6	3398.1E6	9344.265	8635.288M3
Sum 1260-1			7417.8E6	13986.4E6	39003.098	35735.272

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-11.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 2:36 pm
 Operator : pest16:cw
 Sample : 12008805-07,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:44:38 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					7800.620	7147.054
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-11.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 2:36 pm
 Operator : pest16:cw
 Sample : 12008805-07,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:44:38 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-11.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 2:36 pm
 Operator : pest16:cw
 Sample : 12008805-07,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:44:38 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

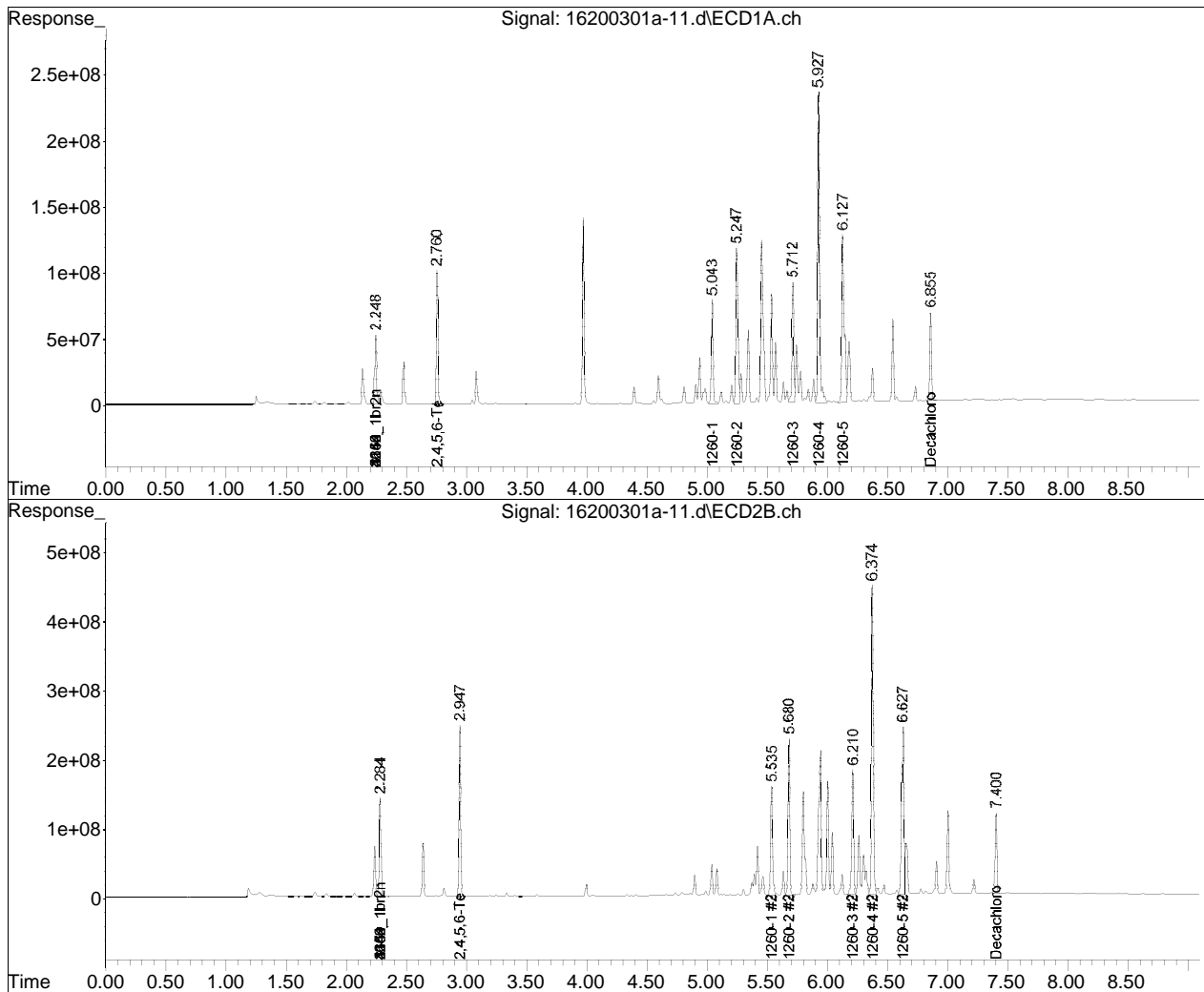
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200301A\
Data File : 16200301a-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Mar 2020 2:36 pm
Operator : pest16:cw
Sample : 12008805-07,42e,,
Misc : wg1345888,wg1345844,ical16473
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 17:44:38 2020
Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Sun Mar 01 19:17:38 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

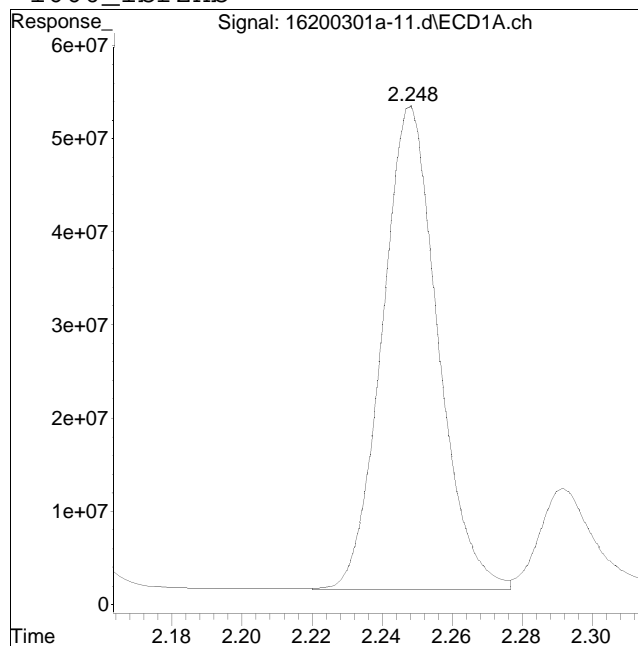
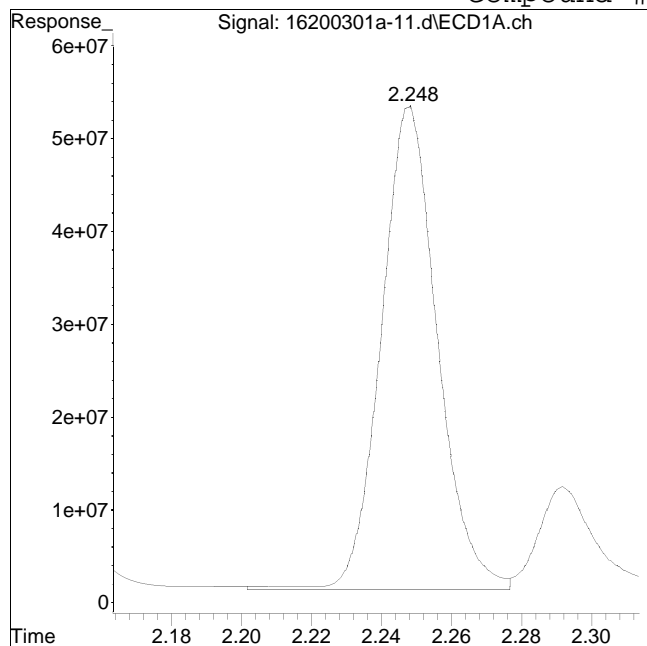


Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-11.d
Date Inj'd : 3/1/2020 2:36 pm
Sample : 12008805-07,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #1: 1660_1br2nb



Original Peak Response = 582203861

Manual Peak Response = 572192919 M4

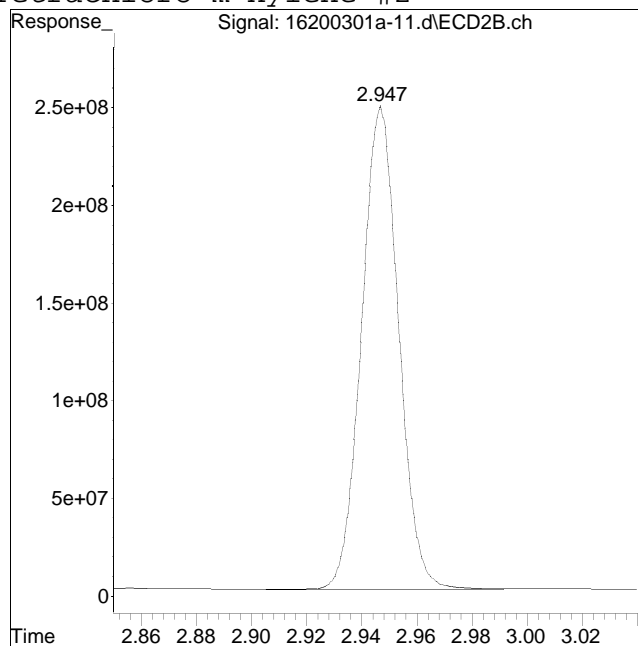
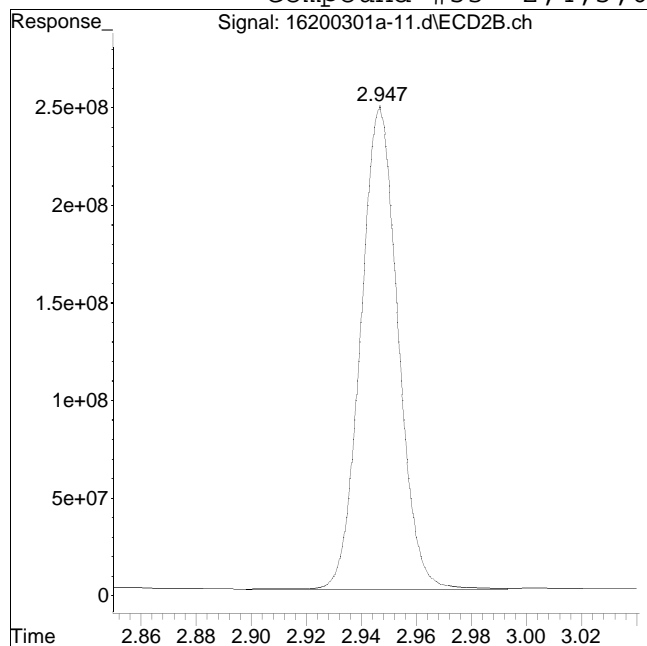
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-11.d
Date Inj'd : 3/1/2020 2:36 pm
Sample : 12008805-07,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 2334849135

Manual Peak Response = 2316895887 M4

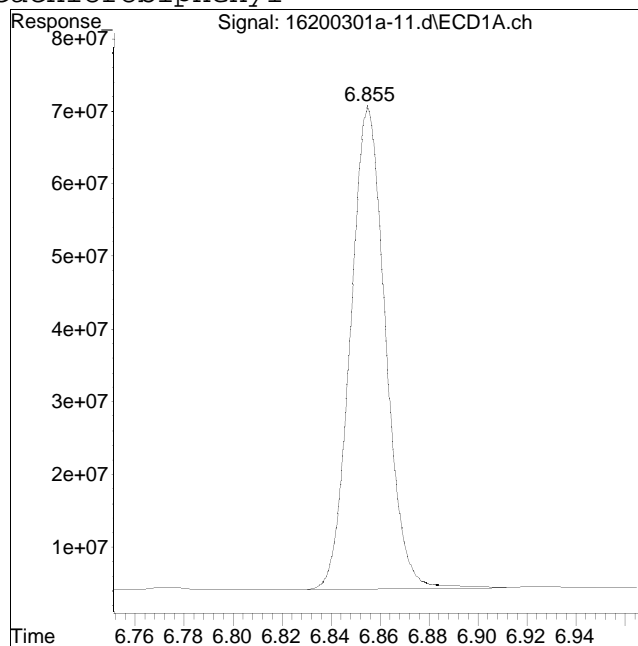
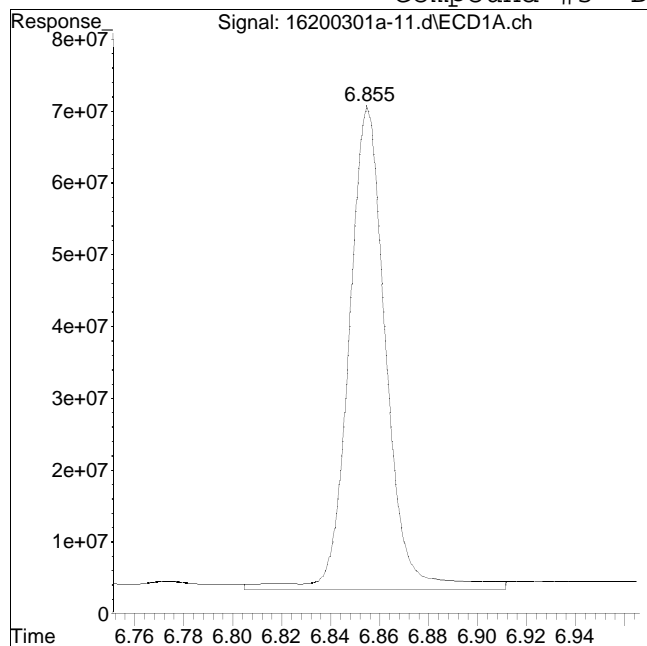
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-11.d
Date Inj'd : 3/1/2020 2:36 pm
Sample : 12008805-07,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 711169728

Manual Peak Response = 654445147 M4

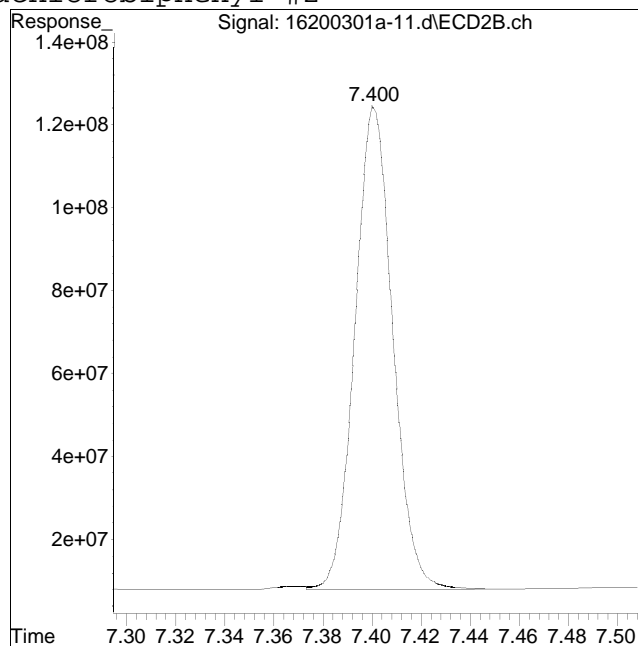
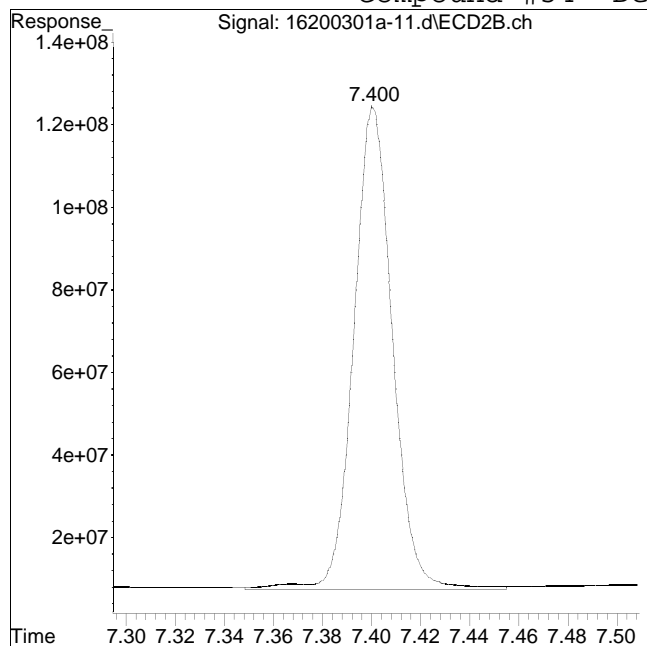
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-11.d
Date Inj'd : 3/1/2020 2:36 pm
Sample : 12008805-07,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1289042776

Manual Peak Response = 1244397945 M1

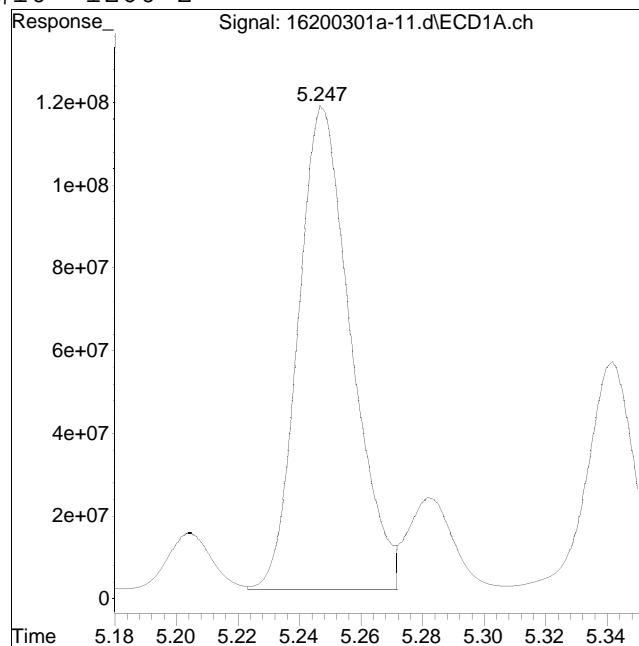
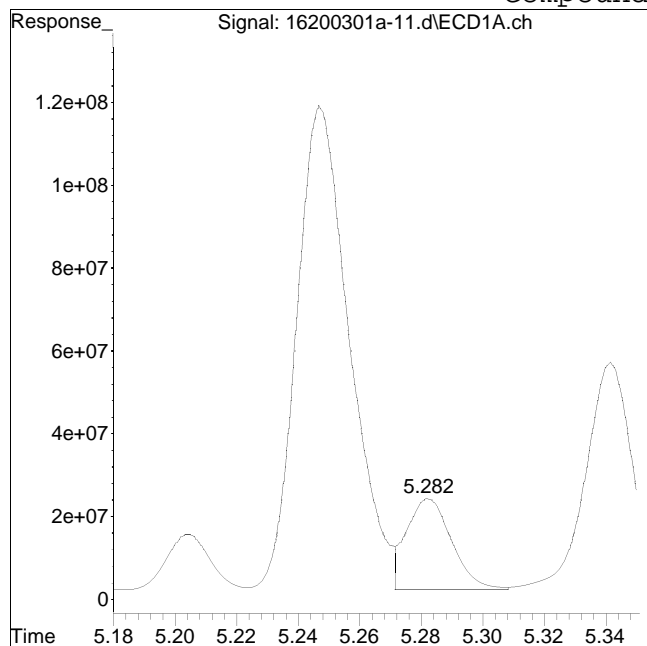
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-11.d
Date Inj'd : 3/1/2020 2:36 pm
Sample : 12008805-07,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #10: 1260-2



Original Peak Response = 227229871

Manual Peak Response = 1403241714 M3

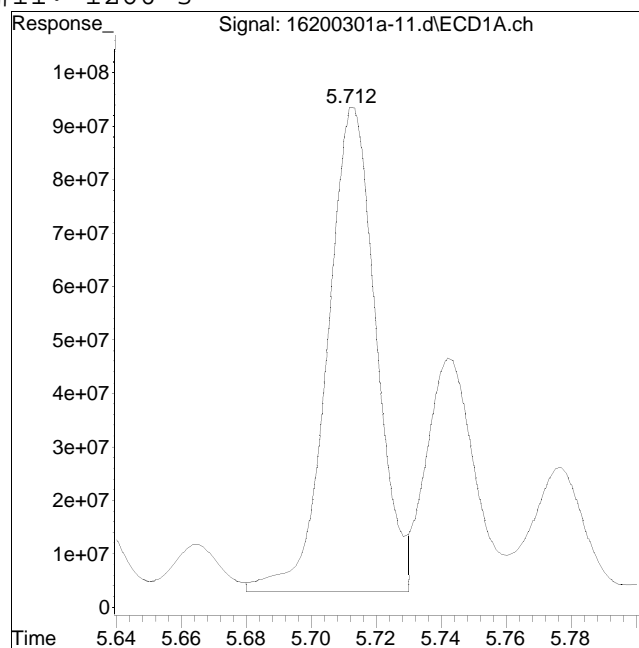
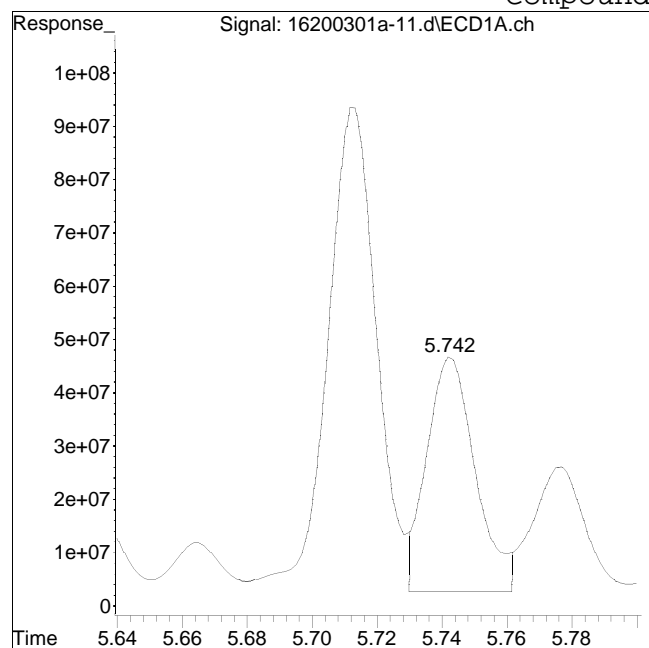
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-11.d
Date Inj'd : 3/1/2020 2:36 pm
Sample : 12008805-07,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #11: 1260-3



Original Peak Response = 457023685

Manual Peak Response = 934412191 M3

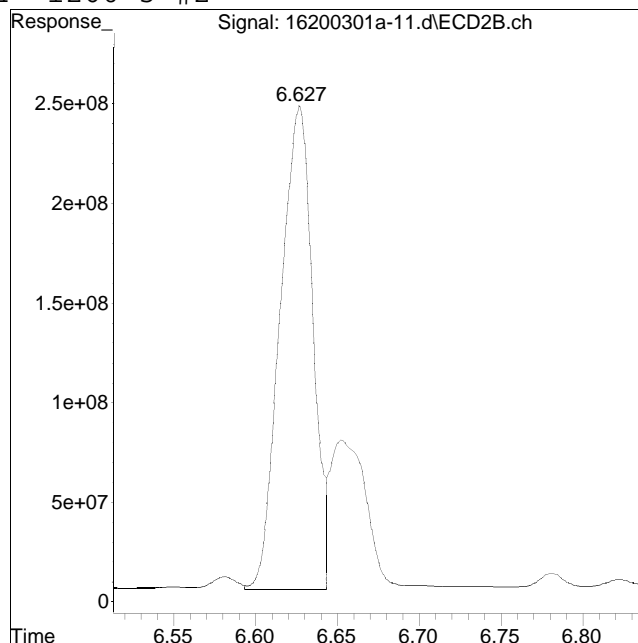
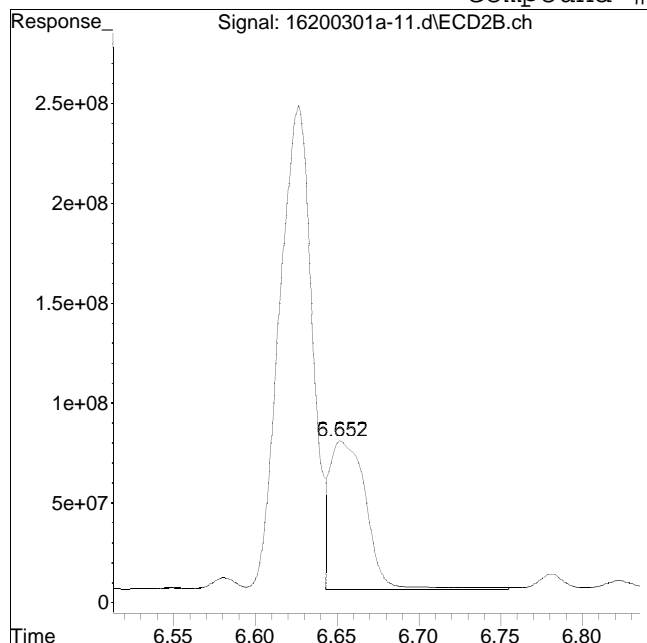
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-11.d
Date Inj'd : 3/1/2020 2:36 pm
Sample : 12008805-07,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #64: 1260-5 #2



Original Peak Response = 1176409799

Manual Peak Response = 3398124563 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-12.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 2:48 pm
 Operator : pest16:cw
 Sample : 12008805-08,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:46:59 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.247	2.284	613.5E6	1567.9E6	250.000M4	250.000
Standard Area 1 : #1 = 675105577					Recovery =	90.87%
Standard Area 1 : #2 = 1650174948					Recovery =	95.02%
14) i 2154_1br2nb	2.247	2.284	613.5E6	1567.9E6	250.000M4	250.000
23) i 4268_1br2nb	2.247	2.284	613.5E6	1567.9E6	250.000M4	250.000
34) i 1248_1br2nb	2.247	2.284	613.5E6	1567.9E6	250.000M4	250.000
40) i 3262_1br2nb	2.247	2.284	613.5E6	1567.9E6	250.000M4	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.760	2.946	1108.8E6	2616.1E6	388.113	369.889
Spiked Amount 500.000	Range 30 - 150				Recovery =	77.62%
73.98%						
3) s Decachlorobi	6.856	7.400	657.0E6	1195.2E6	327.394	301.550M1
Spiked Amount 500.000	Range 30 - 150				Recovery =	65.48%
60.31%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	5.043f	5.537f	871.7E6	1894.1E6	6344.314	6008.052
10) l2 1260-2	5.248f	5.682f	1442.6E6	2374.6E6	6833.193	6465.587
11) l2 1260-3	5.713f	6.212f	801.8E6	1769.5E6	6070.775M3	6044.576
12) l2 1260-4	5.929f	6.376f	2052.3E6	3791.6E6	6658.808	6210.852
13) l2 1260-5	6.128f	6.627f	1364.9E6	2622.3E6	6762.122	6361.423M3
Sum 1260-1			6533.3E6	12452.2E6	32669.211	31090.489
Average 1260-1					6533.842	6218.098

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-12.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 2:48 pm
 Operator : pest16:cw
 Sample : 12008805-08,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:46:59 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D.	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-12.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 2:48 pm
 Operator : pest16:cw
 Sample : 12008805-08,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:46:59 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest16\200301A\
 Data File : 16200301a-12.d
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 1 Mar 2020 2:48 pm
 Operator : pest16:cw
 Sample : 12008805-08,42e,,
 Misc : wgl1345888,wgl1345844,ical16473
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:46:59 2020
 Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
 Quant Title : pcb
 QLast Update : Sun Mar 01 19:17:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest16\200301A\16200301a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

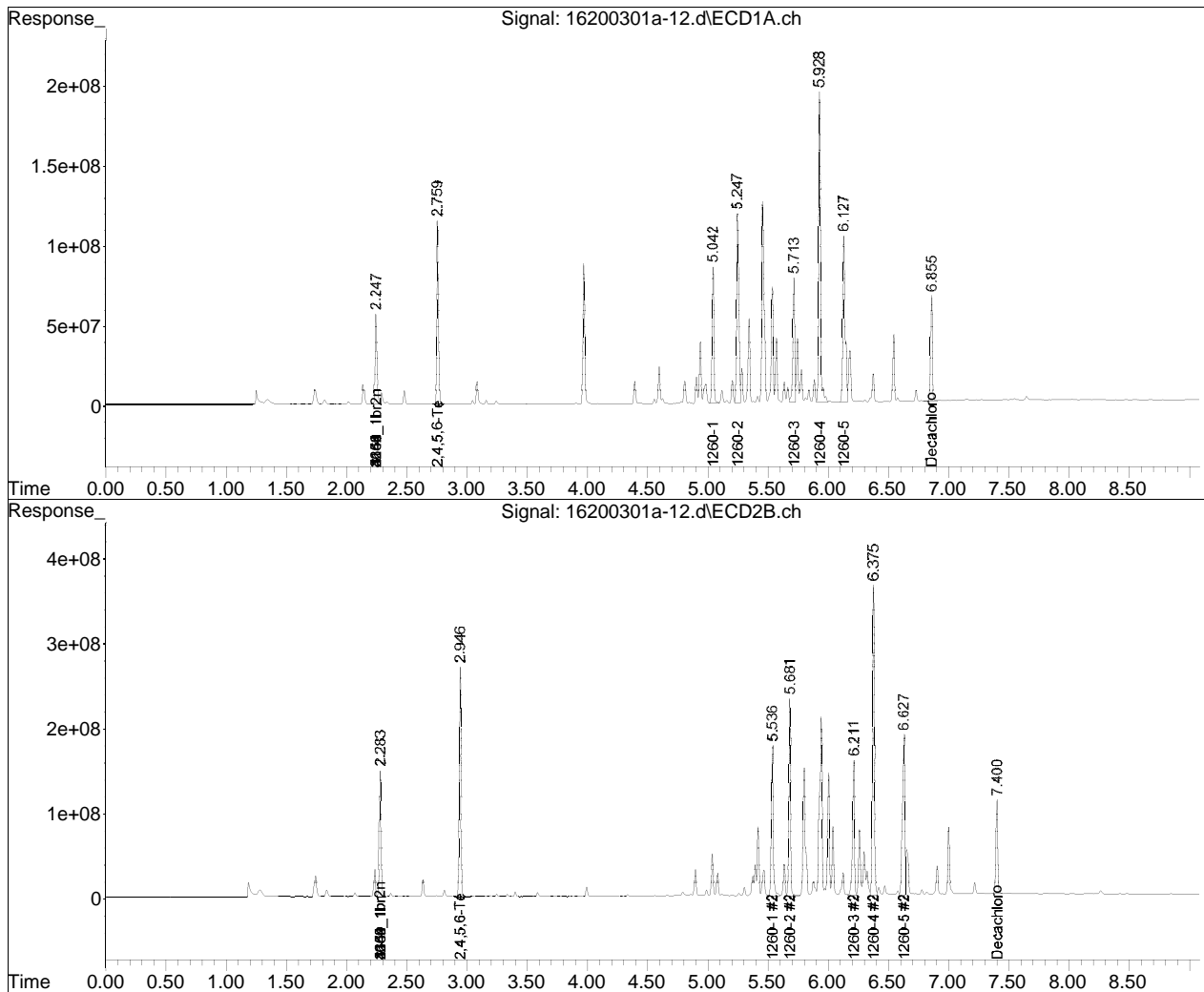
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed a-02.d••d)

Data Path : I:\Pest16\200301A\
Data File : 16200301a-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Mar 2020 2:48 pm
Operator : pest16:cw
Sample : 12008805-08,42e,,
Misc : wg1345888,wg1345844,ical16473
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 17:46:59 2020
Quant Method : I:\Pest16\200301A\P16_pcb_01_29_20_ugL_ICAL16473.m
Quant Title : pcb
QLast Update : Sun Mar 01 19:17:38 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

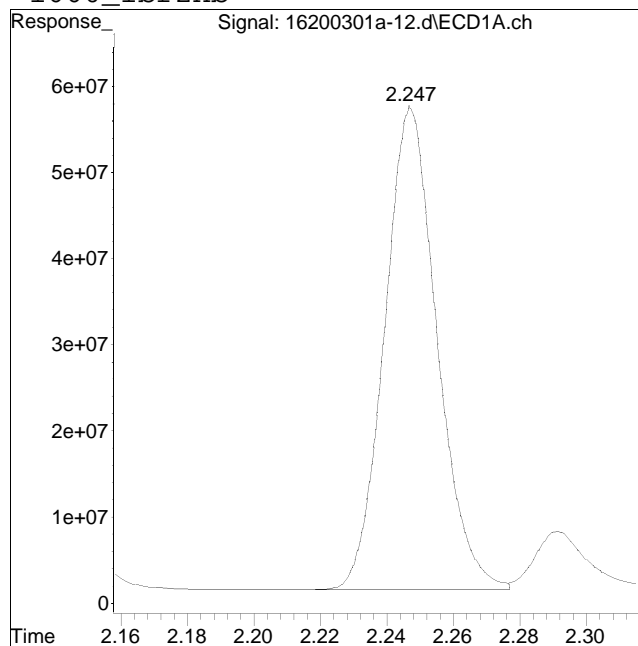
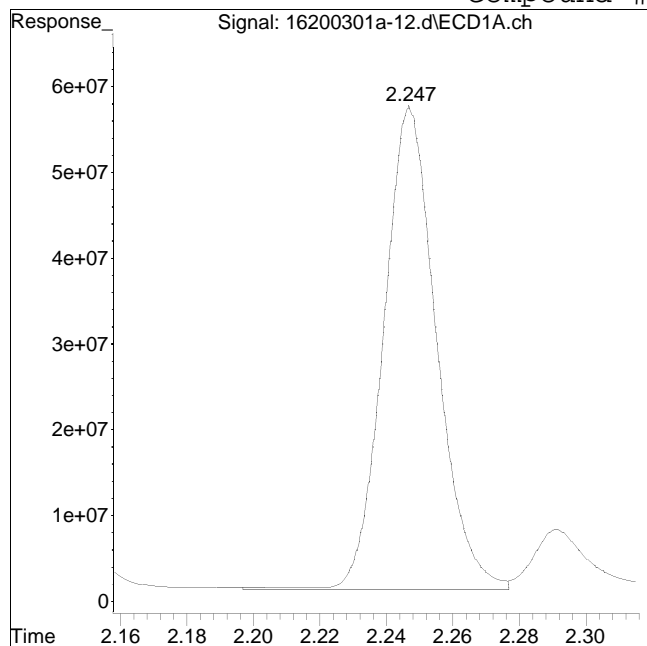


Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-12.d
Date Inj'd : 3/1/2020 2:48 pm
Sample : 12008805-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #1: 1660_1br2nb



Original Peak Response = 624337005

Manual Peak Response = 613481509 M4

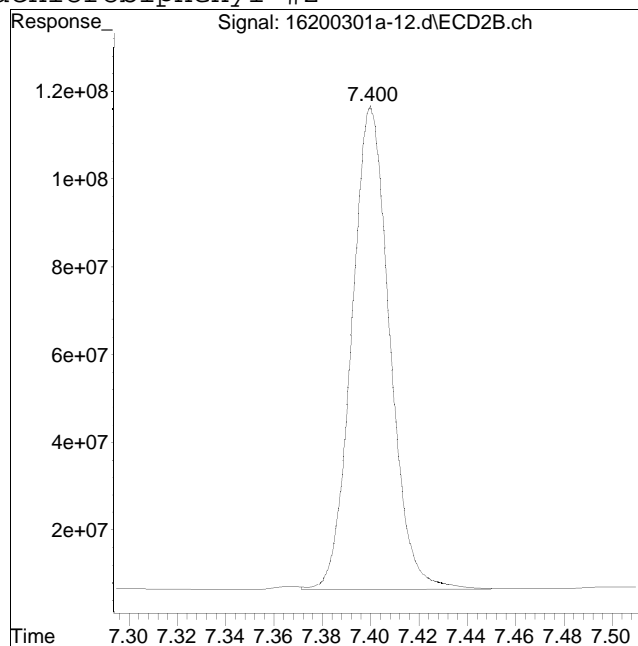
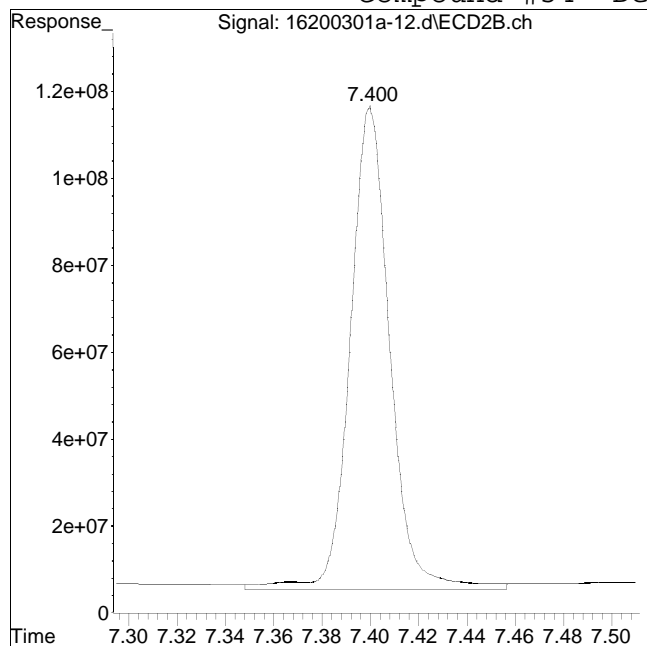
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-12.d
Date Inj'd : 3/1/2020 2:48 pm
Sample : 12008805-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 1275347895

Manual Peak Response = 1195212074 M1

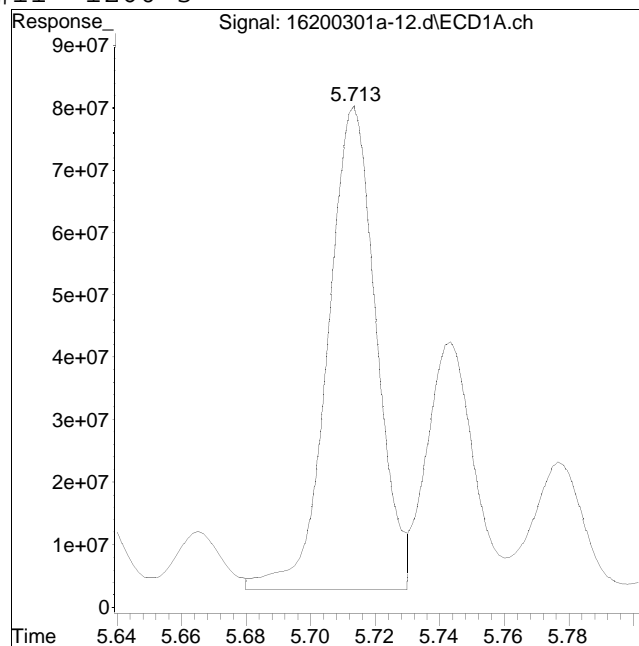
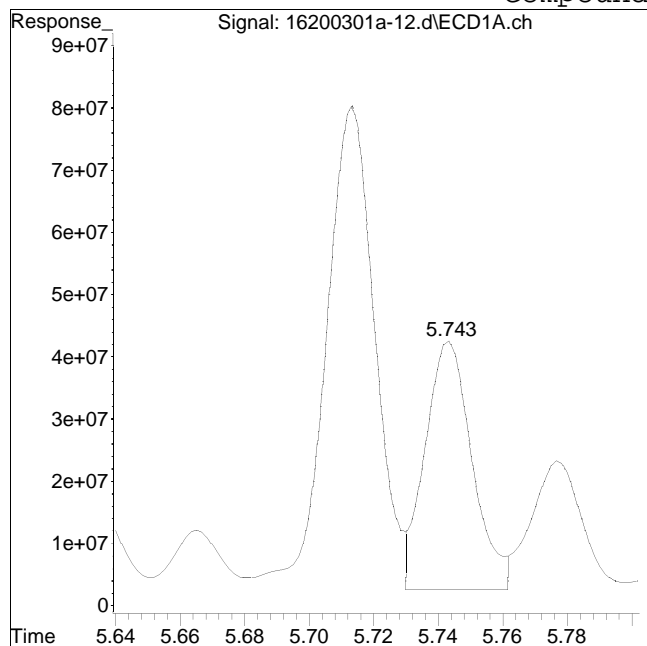
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-12.d
Date Inj'd : 3/1/2020 2:48 pm
Sample : 12008805-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #11: 1260-3



Original Peak Response = 404114936

Manual Peak Response = 801829014 M3

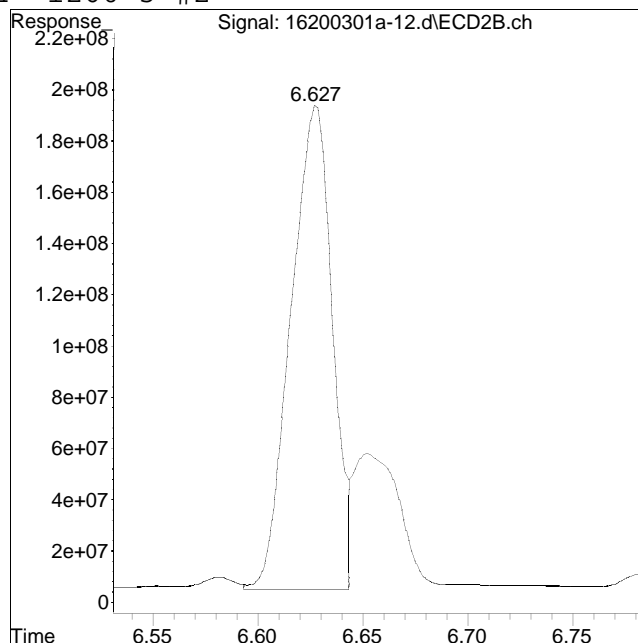
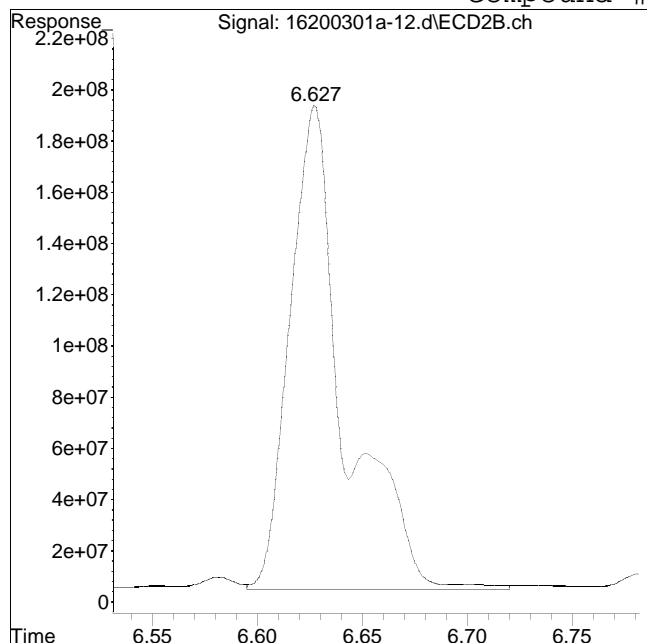
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest16\200301A\
Data File : 16200301a-12.d
Date Inj'd : 3/1/2020 2:48 pm
Sample : 12008805-08,42e,,

QMethod : P16_pcb_01_29_20_ugL_ICA
Operator : pest16:cw
Instrument : PEST16
Quant Date : 3/4/2020 5:14 pm

Compound #64: 1260-5 #2



Original Peak Response = 3439813572

Manual Peak Response = 2622333316 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
 Data File : P2200302a-36.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 03 Mar 2020 2:21 am
 Operator : pest2:ad
 Sample : L2008805-18,42e,,
 Misc : wgl1346069,wgl1345916,ical16010
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 18:16:46 2020
 Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-22.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.087	2.275	70326667	46221997	25.000	25.000
Standard Area 1 : #1 = 84374926					Recovery =	83.35%
Standard Area 1 : #2 = 54250633					Recovery =	85.20%
14) i 2154_1br2nb	2.087	2.275	70326667	46221997	25.000	25.000
23) i 4268_1br2nb	2.087	2.275	70326667	46221997	25.000	25.000
34) i 1248_1br2nb	2.087	2.275	70326667	46221997	25.000	25.000
40) i 3262_1br2nb	2.087	2.275	70326667	46221997	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.566	2.915	65363711	41819760	22.652	21.473M4
Spiked Amount	20.000	Range 30 - 150	Recovery =	113.26%	107.36%	
3) s Decachlorobi	6.560	7.250f	58783993	34088177	21.221	22.390
Spiked Amount	20.000	Range 30 - 150	Recovery =	106.11%	111.95%	
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
 Data File : P2200302a-36.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 03 Mar 2020 2:21 am
 Operator : pest2:ad
 Sample : L2008805-18,42e,,
 Misc : wgl1346069,wgl1345916,ical16010
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 18:16:46 2020
 Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-22.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
 Data File : P2200302a-36.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 03 Mar 2020 2:21 am
 Operator : pest2:ad
 Sample : L2008805-18,42e,,
 Misc : wgl1346069,wgl1345916,ical16010
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 18:16:46 2020
 Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-22.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

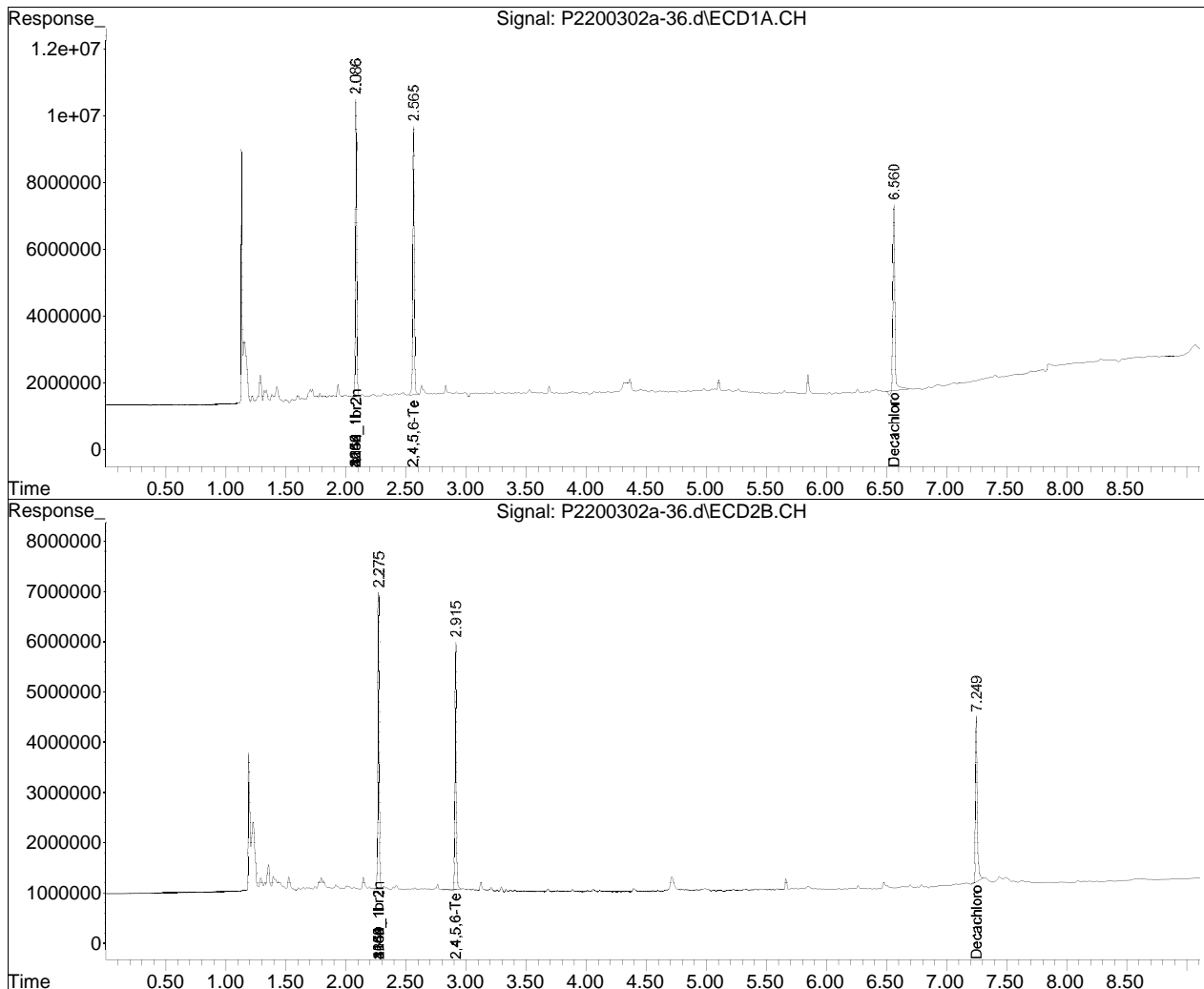
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 25% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-22.d••ed)

Data Path : I:\Pest2\200302A\
Data File : P2200302a-36.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2020 2:21 am
Operator : pest2:ad
Sample : L2008805-18,42e,,
Misc : wg1346069,wg1345916,ical16010
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 18:16:46 2020
Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

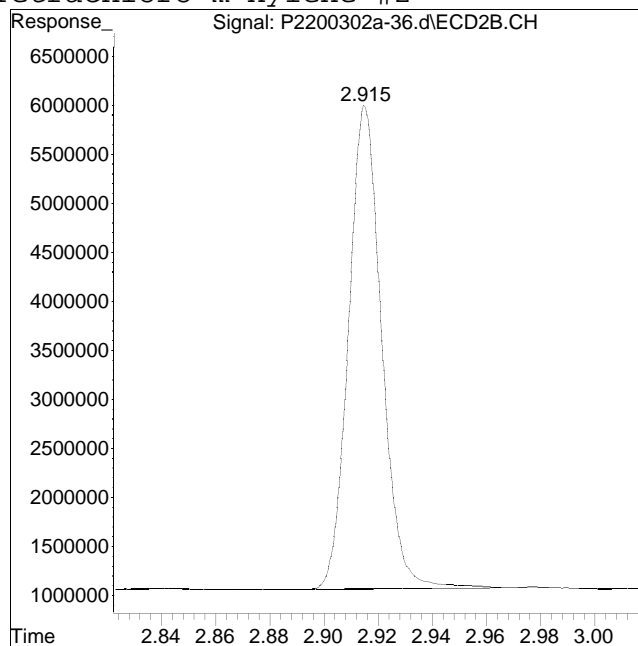
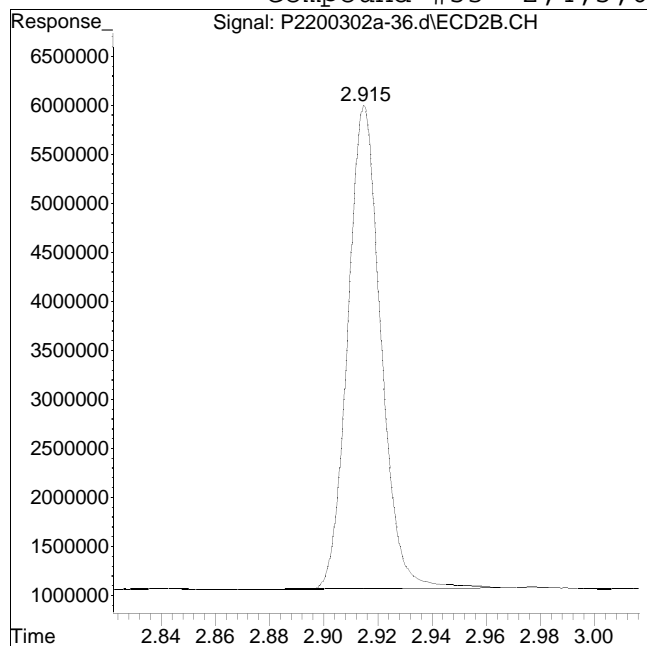


Manual Integration Report

Data Path : I:\Pest2\200302A\
Data File : P2200302a-36.d
Date Inj'd : 3/3/2020 2:21 am
Sample : L2008805-18,42e,,

QMethod : P2_pcb_08_06_19_LVI_ugL_
Operator : pest2:ad
Instrument : PEST 2
Quant Date : 3/4/2020 5:42 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 41633626

Manual Peak Response = 41819760 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-24.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 9:33 pm
 Operator : pest7:cw
 Sample : l2008805-17,42e,,rr
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:32:41 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.898	1.935	461.7E6	370.1E6	250.000	250.000M4
Standard Area 1 : #1 = 453929813					Recovery =	101.71%
Standard Area 1 : #2 = 353397607					Recovery =	104.72%
14) i 2154_1br2nb	1.898	1.935	461.7E6	370.1E6	250.000	250.000M4
23) i 4268_1br2nb	1.898	1.935	461.7E6	370.1E6	250.000	250.000M4
34) i 1248_1br2nb	1.898	1.935	461.7E6	370.1E6	250.000	250.000M4
40) i 3262_1br2nb	1.898	1.935	461.7E6	370.1E6	250.000	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.328	2.453	526.6E6	431.9E6	231.832	241.236M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	46.37% 48.25%
3) s Decachlorobi	6.232	6.639	362.3E6	291.2E6	240.271M4	270.615M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	48.05% 54.12%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.400	4.776f	168.7E6	133.4E6	1524.006	1654.407M4
10) l2 1260-2	4.611	4.934f	266.3E6	165.2E6	1606.478	1780.356M4
11) l2 1260-3	5.081	5.460f	191.6E6	153.3E6	1896.392	2032.350M3
12) l2 1260-4	5.299	5.635f	482.0E6	394.9E6	2137.630M4	2532.666M3
13) l2 1260-5	5.496	5.879	368.9E6	278.2E6	2379.968M1	2556.972M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-24.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 9:33 pm
 Operator : pest7:cw
 Sample : l2008805-17,42e,,rr
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:32:41 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1				1477.4E6	1125.1E6	9544.474	10556.750
Average 1260-1						1908.895	2111.350
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2				0	0	N.D.	N.D.
Average 1221-2						0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1				0	0	N.D.	N.D.
Average 1254-1						0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1				0	0	N.D.	N.D.
Average 1242-1						0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1				0	0	N.D.	N.D.
Average 1268-1						0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-24.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 9:33 pm
 Operator : pest7:cw
 Sample : l2008805-17,42e,,rr
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:32:41 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-24.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 9:33 pm
 Operator : pest7:cw
 Sample : l2008805-17,42e,,rr
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:32:41 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

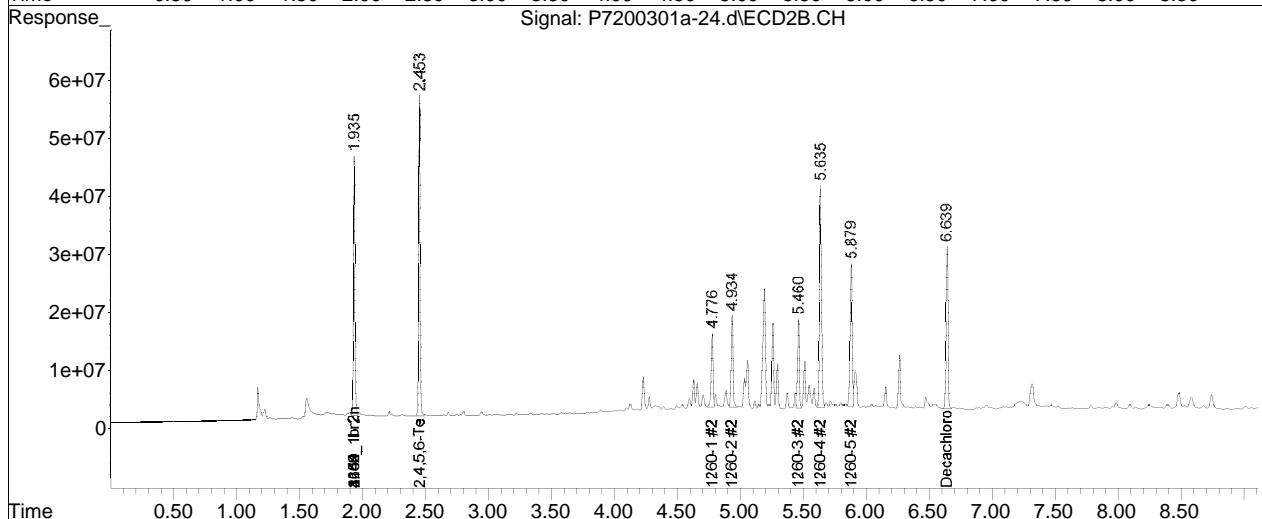
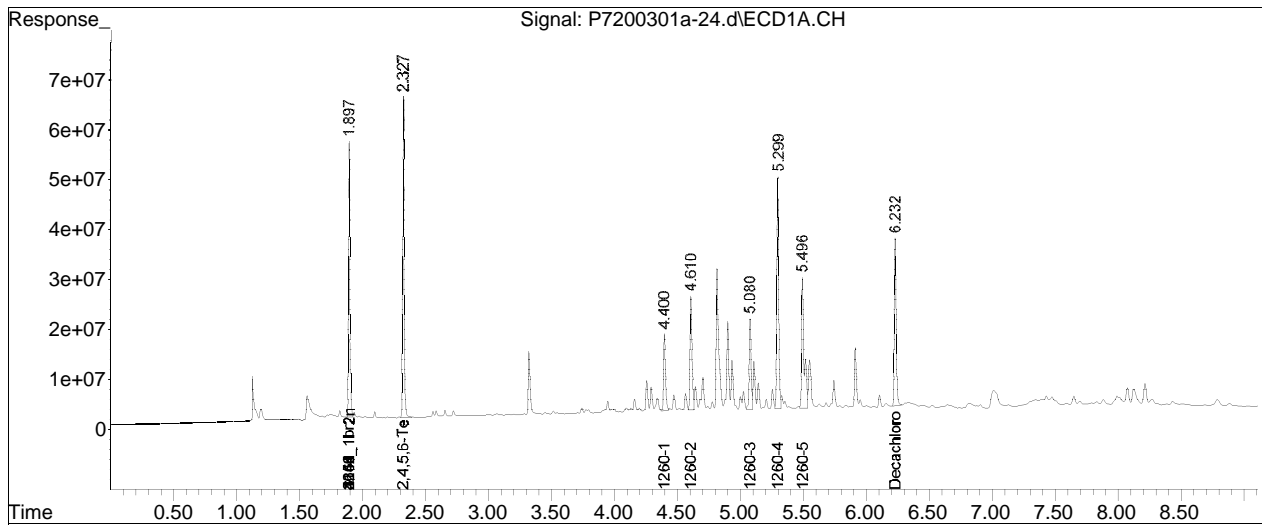
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Mar 2020 9:33 pm
Operator : pest7:cw
Sample : l2008805-17,42e,,rr
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 16:32:41 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

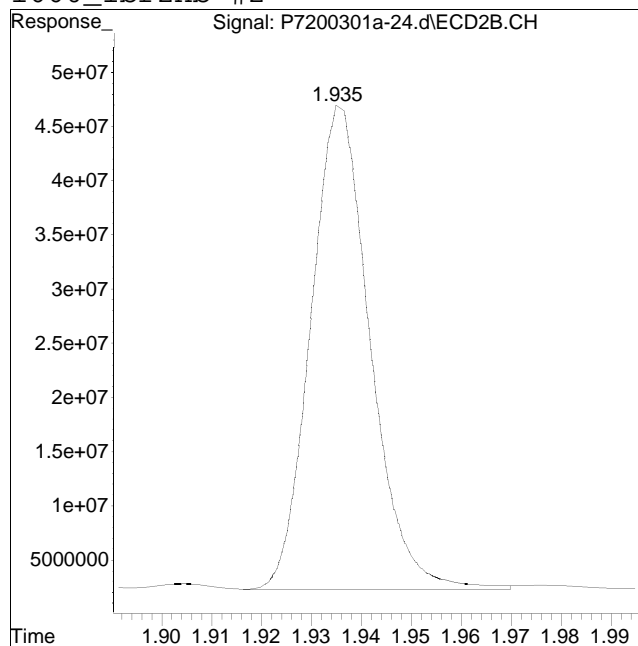
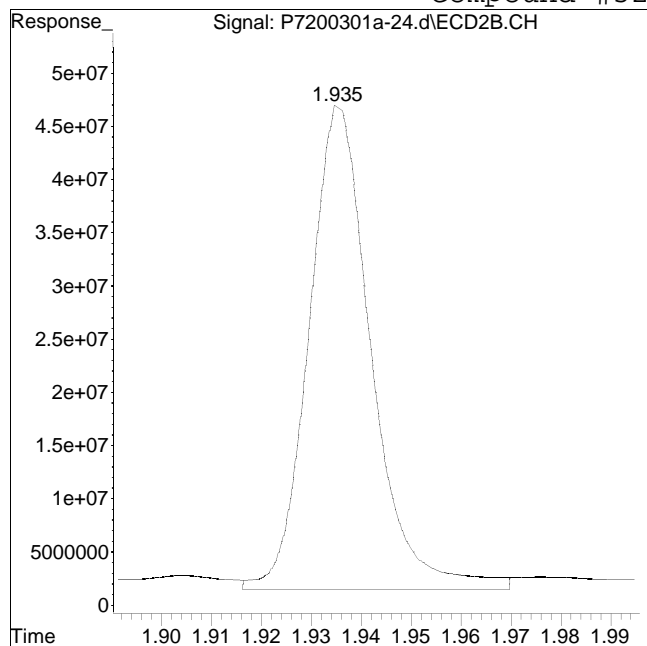


Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-24.d
Date Inj'd : 3/1/2020 9:33 pm
Sample : 12008805-17,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 394394981

Manual Peak Response = 370063308 M4

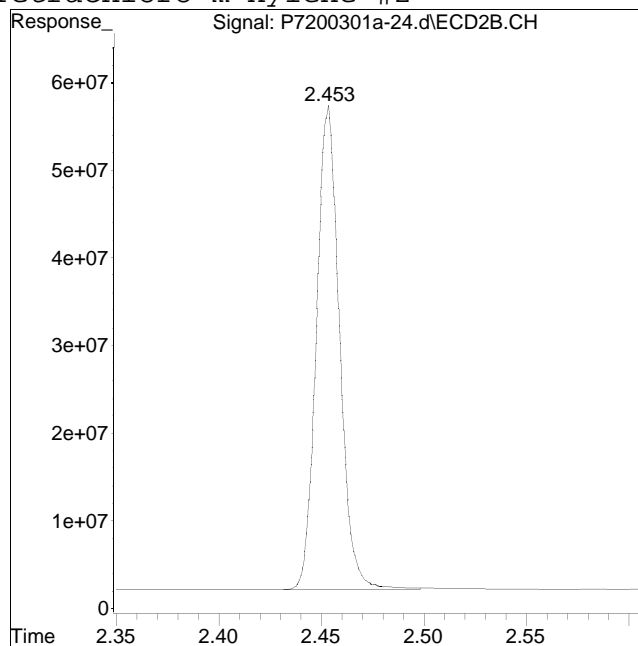
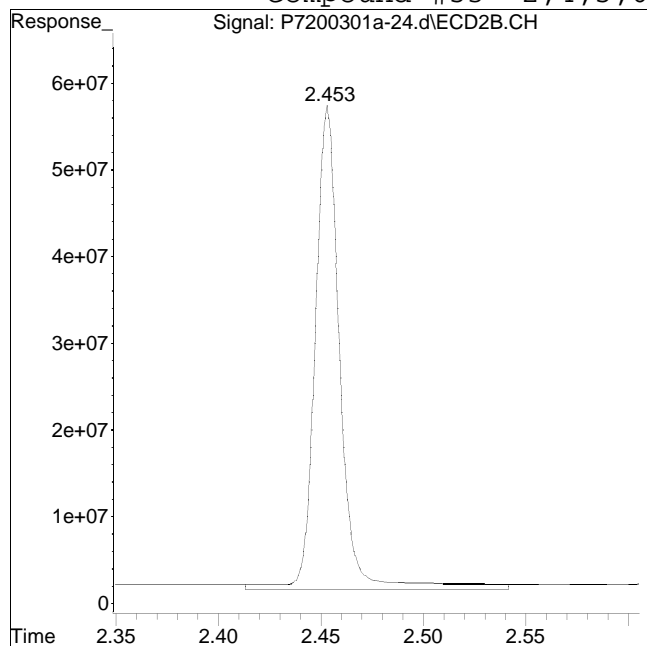
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-24.d
Date Inj'd : 3/1/2020 9:33 pm
Sample : 12008805-17,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 478758285

Manual Peak Response = 431891266 M4

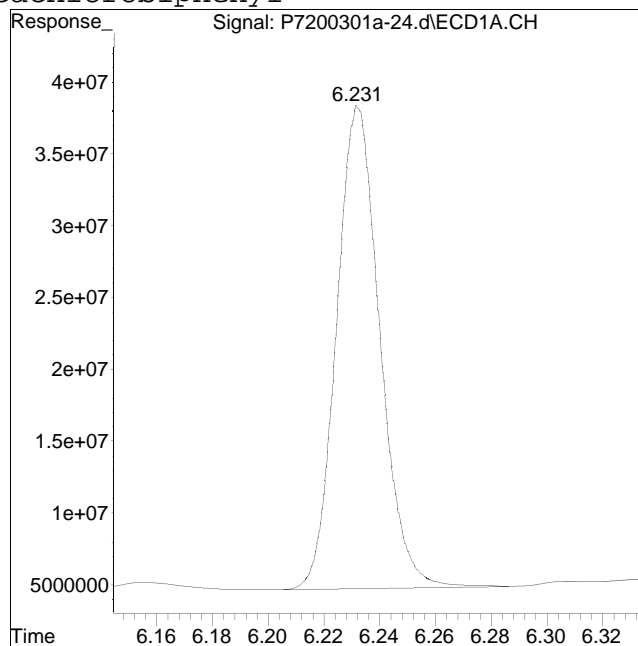
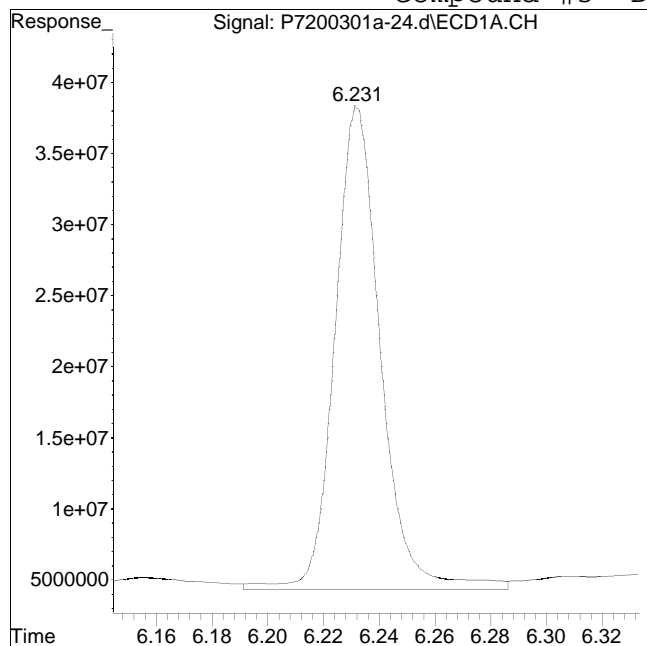
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-24.d
Date Inj'd : 3/1/2020 9:33 pm
Sample : 12008805-17,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 388652745

Manual Peak Response = 362321329 M4

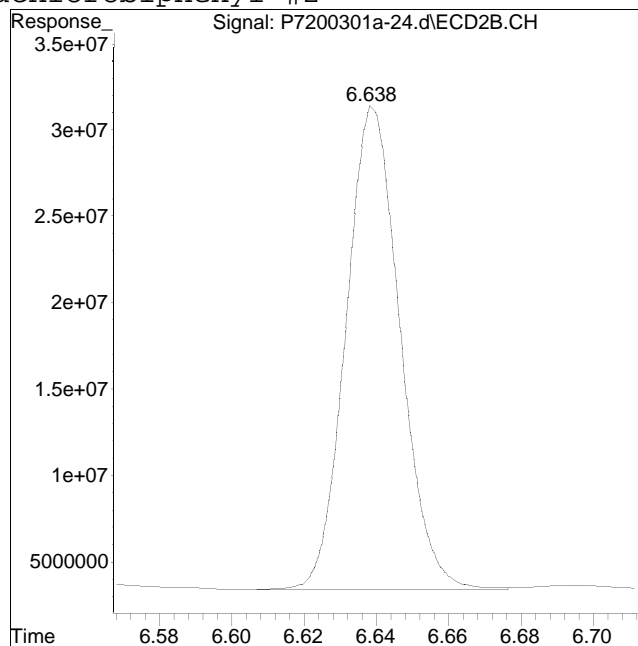
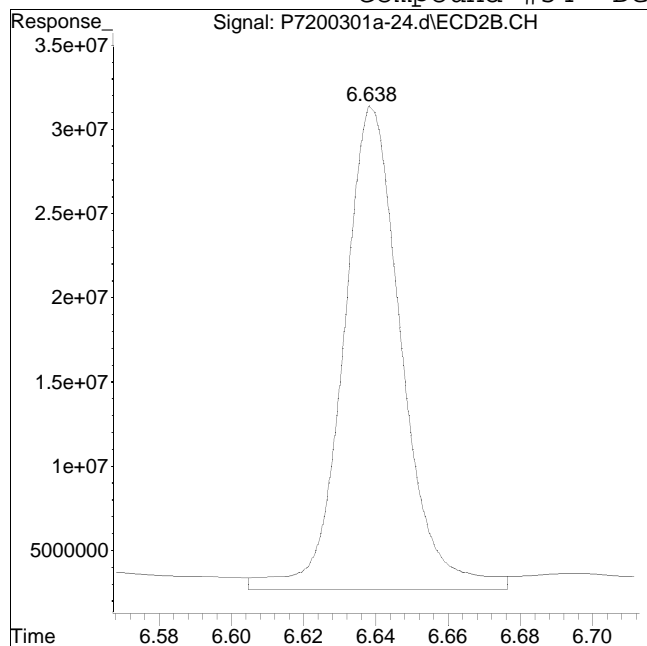
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-24.d
Date Inj'd : 3/1/2020 9:33 pm
Sample : 12008805-17,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 321100638

Manual Peak Response = 291178791 M4

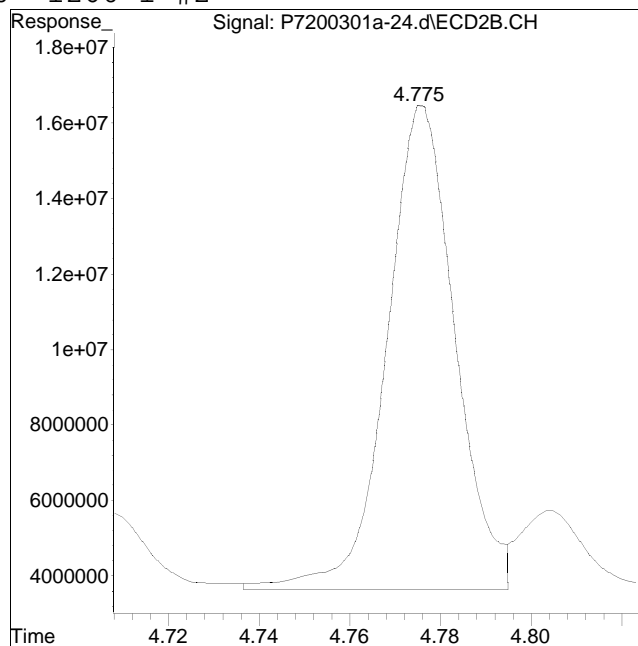
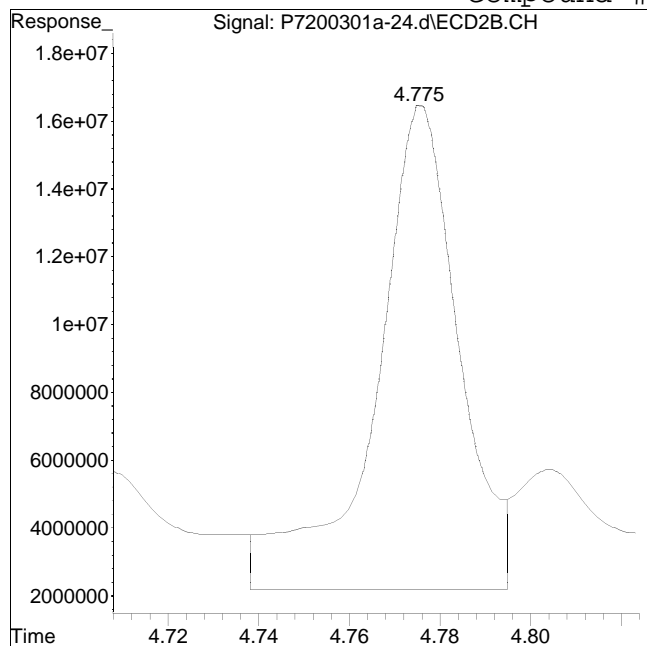
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-24.d
Date Inj'd : 3/1/2020 9:33 pm
Sample : 12008805-17,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #60: 1260-1 #2



Original Peak Response = 184086142

Manual Peak Response = 133394452 M4

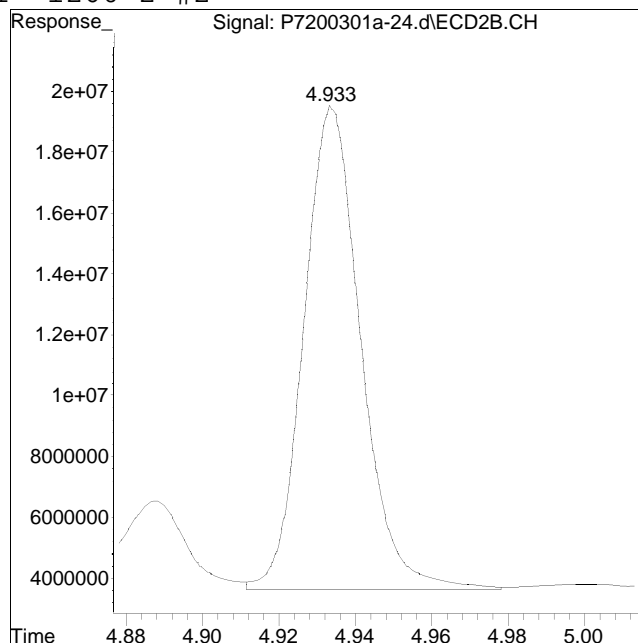
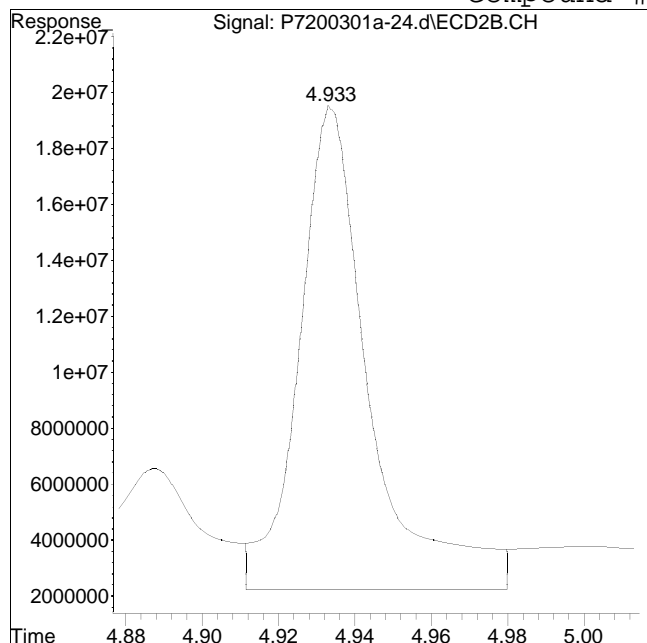
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-24.d
Date Inj'd : 3/1/2020 9:33 pm
Sample : 12008805-17,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #61: 1260-2 #2



Original Peak Response = 222471680

Manual Peak Response = 165230886 M4

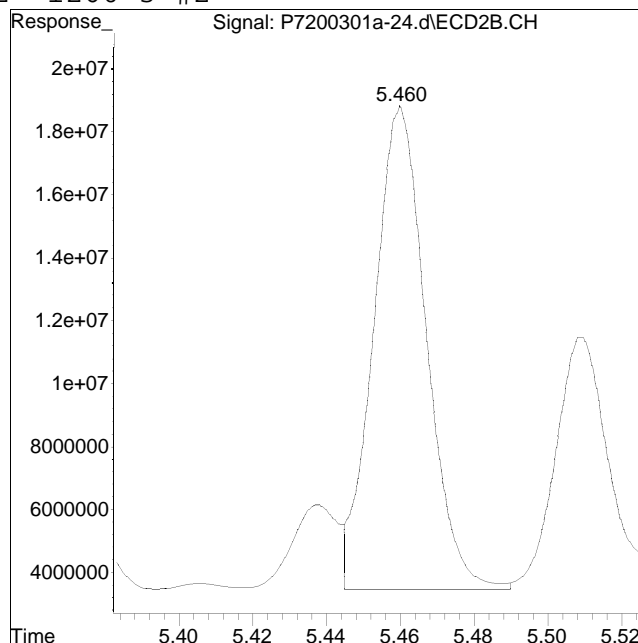
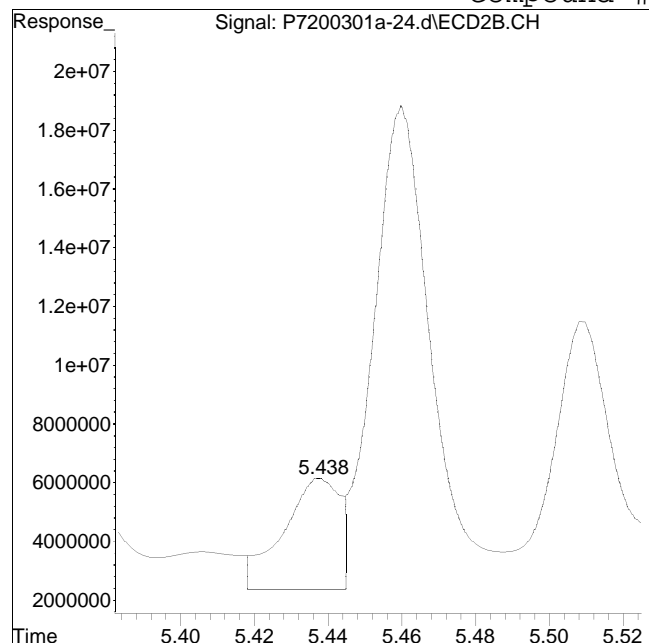
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-24.d
Date Inj'd : 3/1/2020 9:33 pm
Sample : 12008805-17,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #62: 1260-3 #2



Original Peak Response = 39389350

Manual Peak Response = 153346254 M3

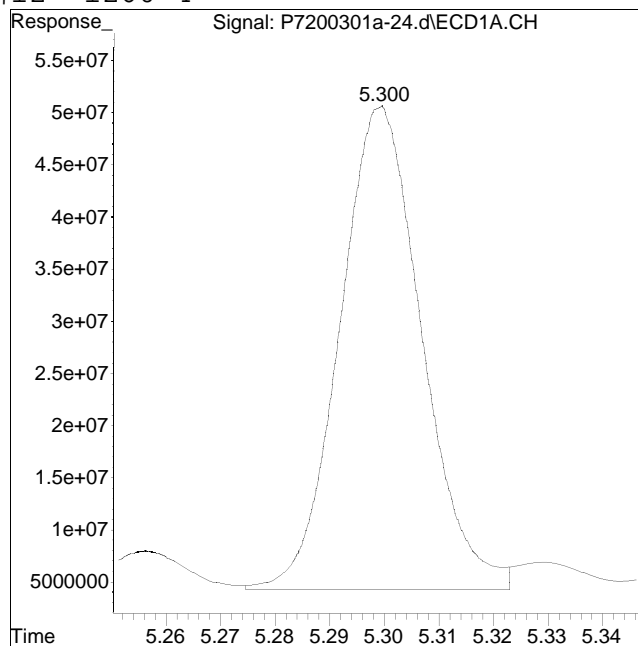
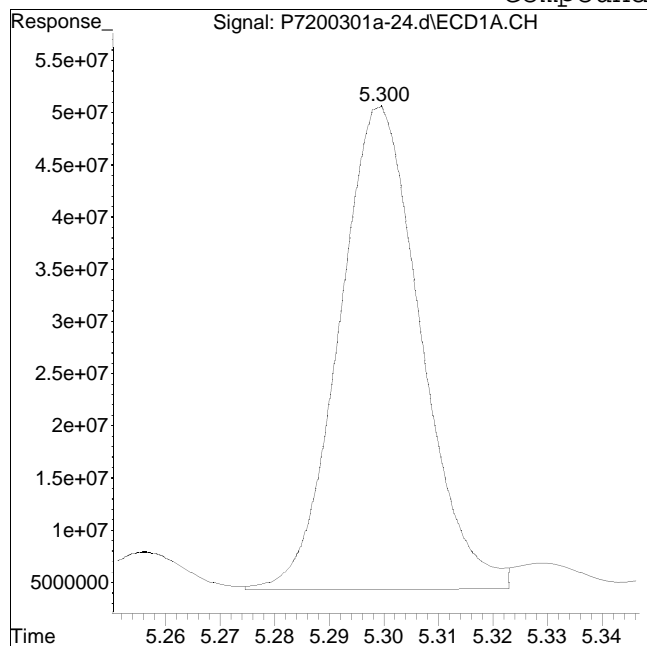
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-24.d
Date Inj'd : 3/1/2020 9:33 pm
Sample : 12008805-17,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #12: 1260-4



Original Peak Response = 478715514

Manual Peak Response = 482002995 M4

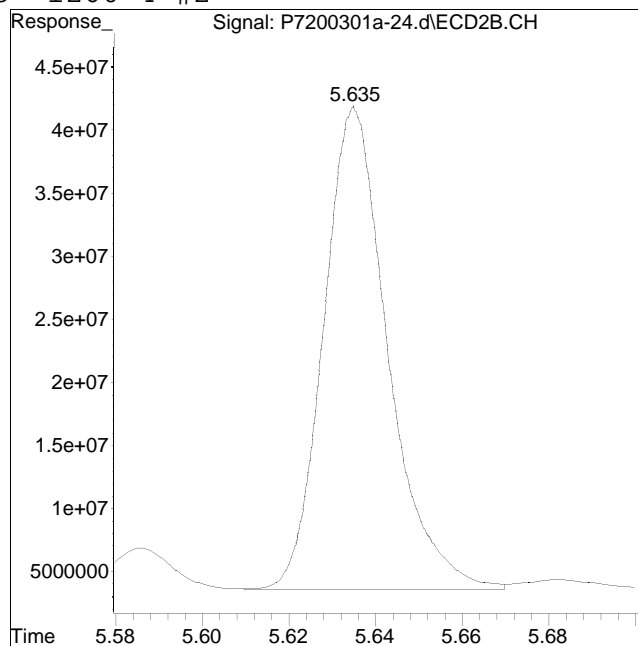
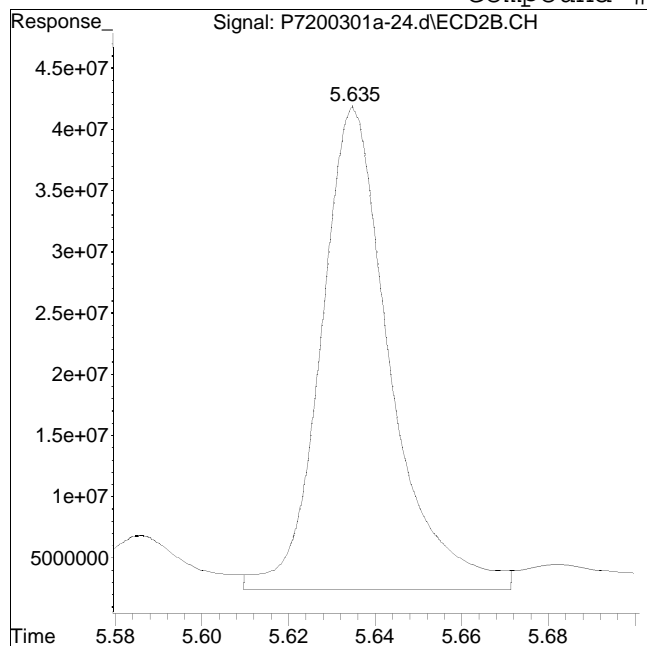
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-24.d
Date Inj'd : 3/1/2020 9:33 pm
Sample : 12008805-17,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #63: 1260-4 #2



Original Peak Response = 436748702

Manual Peak Response = 394912142 M3

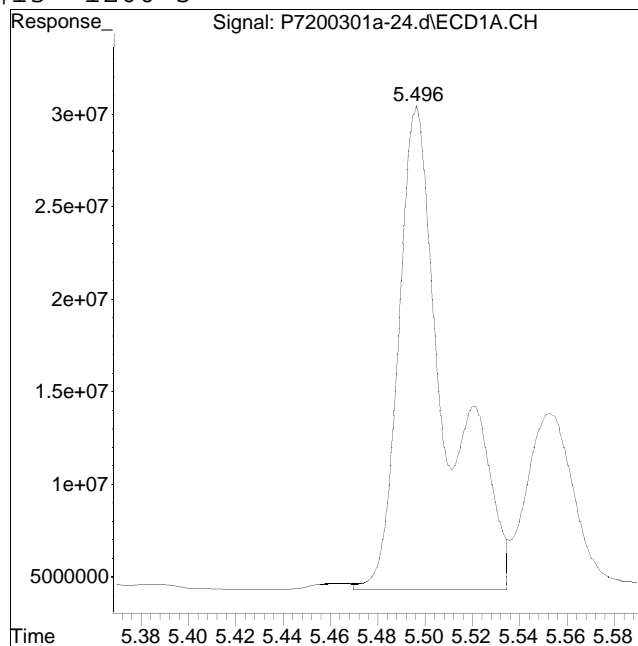
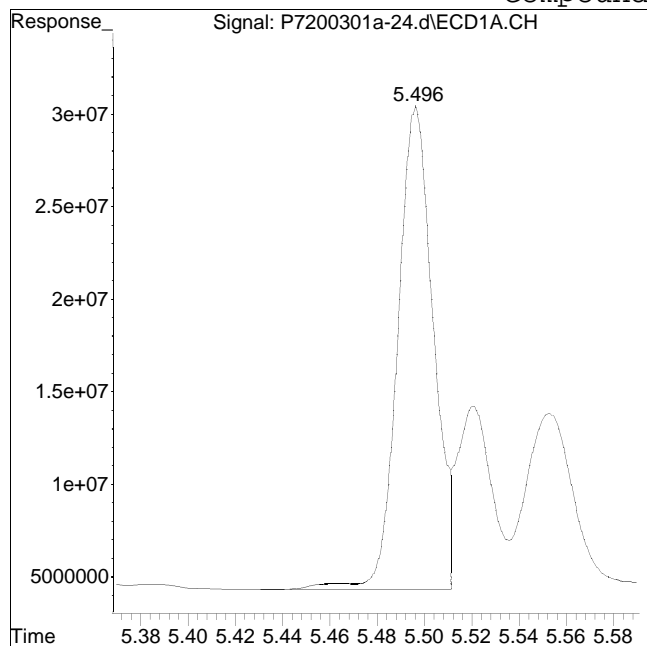
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-24.d
Date Inj'd : 3/1/2020 9:33 pm
Sample : 12008805-17,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #13: 1260-5



Original Peak Response = 272848391

Manual Peak Response = 368877904 M1

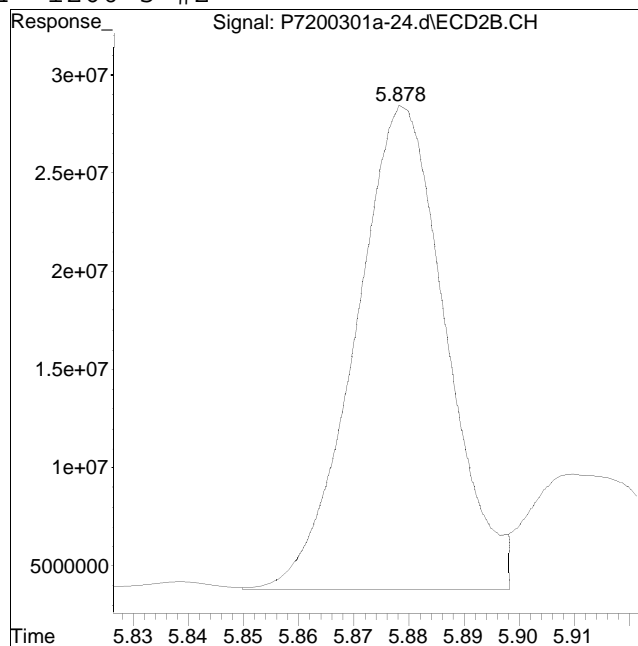
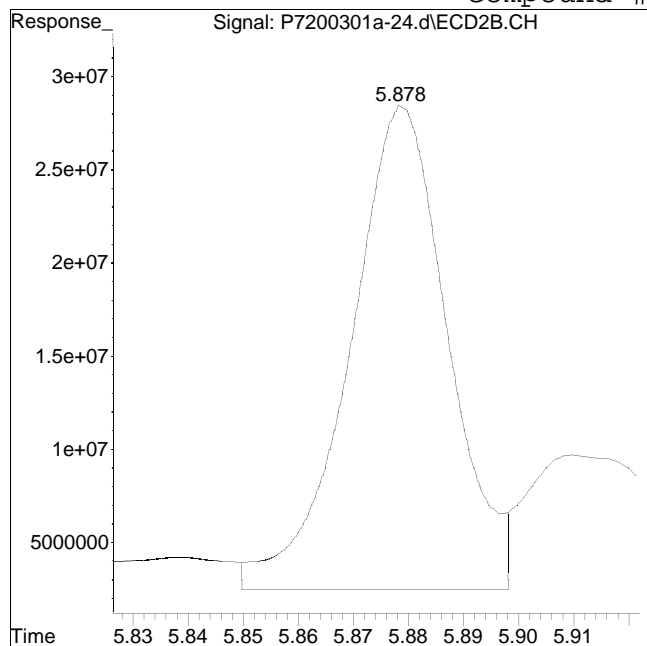
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-24.d
Date Inj'd : 3/1/2020 9:33 pm
Sample : 12008805-17,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #64: 1260-5 #2



Original Peak Response = 317173366

Manual Peak Response = 278230697 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-25.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 9:45 pm
 Operator : pest7:cw
 Sample : l2008805-14,42e,,rr
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:35:30 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.890	1.937	482.7E6	378.4E6	250.000	250.000M4
Standard Area 1 : #1 = 453929813					Recovery =	106.34%
Standard Area 1 : #2 = 353397607					Recovery =	107.08%
14) i 2154_1br2nb	1.890	1.937	482.7E6	378.4E6	250.000	250.000M4
23) i 4268_1br2nb	1.890	1.937	482.7E6	378.4E6	250.000	250.000M4
34) i 1248_1br2nb	1.890	1.937	482.7E6	378.4E6	250.000	250.000M4
40) i 3262_1br2nb	1.890	1.937	482.7E6	378.4E6	250.000	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.317	2.453	761.0E6	670.3E6	320.417	366.141
Spiked Amount 500.000 Range 30 - 150					Recovery =	64.08% 73.23%
3) s Decachlorobi	6.214	6.624	473.0E6	375.5E6	299.976M4	341.265M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	60.00% 68.25%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.383	4.774f	7830686	6619500	67.663M4	80.285
10) l2 1260-2	4.594	4.932f	14862684	8796056	85.768M4	92.684
11) l2 1260-3	5.065	5.457f	7802941	6171560	73.863M1	79.988
12) l2 1260-4	5.284	5.631f	18220338	13854753	77.286M1	86.892M4
13) l2 1260-5	5.482	5.875f	14697991	9784812	90.700M4	87.938M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-25.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 9:45 pm
 Operator : pest7:cw
 Sample : l2008805-14,42e,,rr
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:35:30 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			63414641	45226681	395.280	427.786
Average	1260-1					79.056	85.557
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D.	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D.	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D.	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-25.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 9:45 pm
 Operator : pest7:cw
 Sample : l2008805-14,42e,,rr
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:35:30 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-25.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 9:45 pm
 Operator : pest7:cw
 Sample : l2008805-14,42e,,rr
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:35:30 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

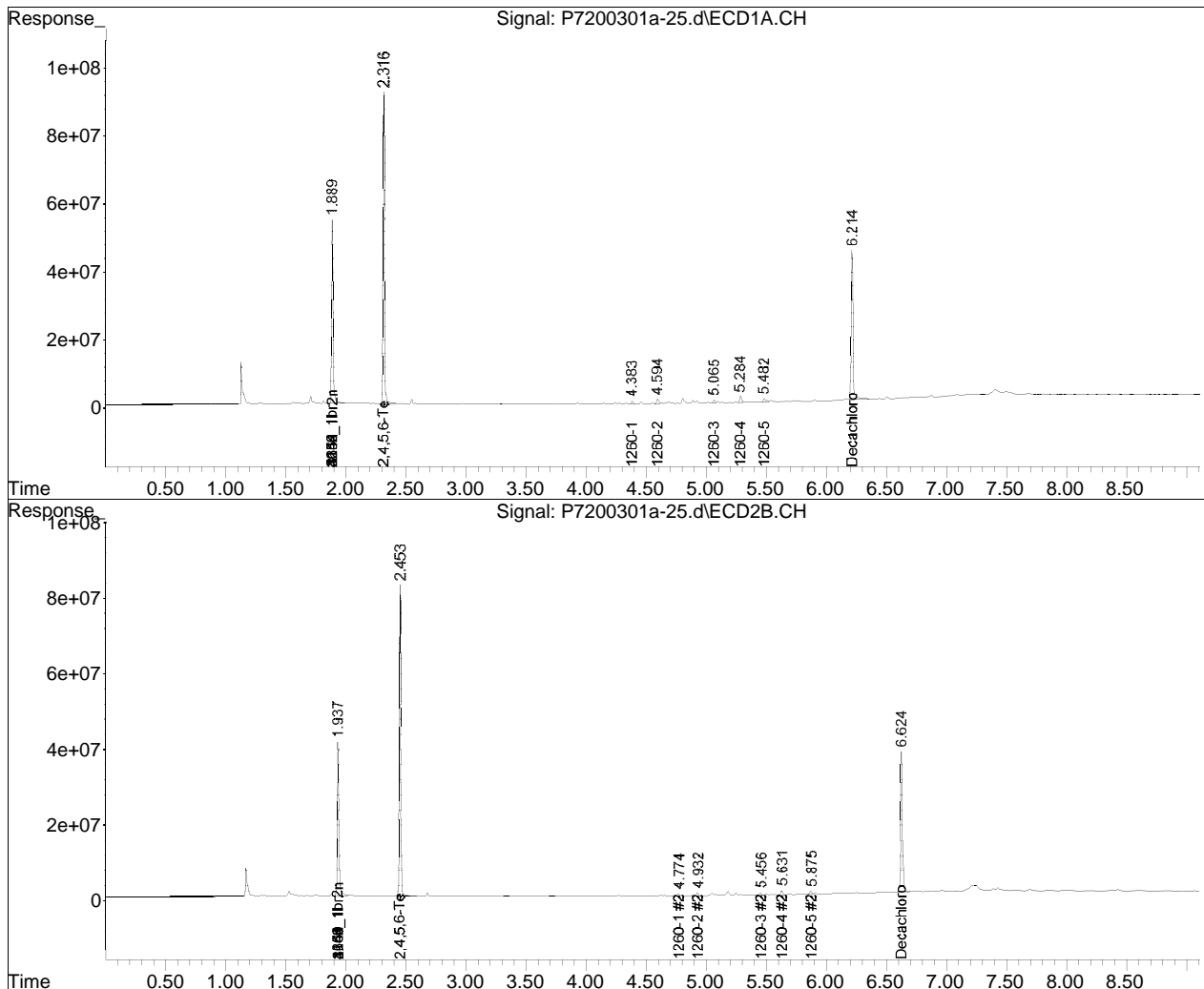
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Mar 2020 9:45 pm
Operator : pest7:cw
Sample : l2008805-14,42e,,rr
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 16:35:30 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

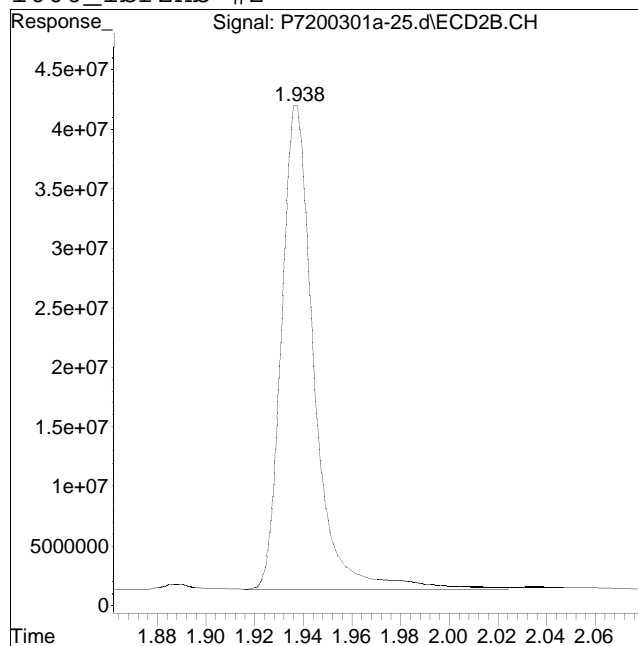
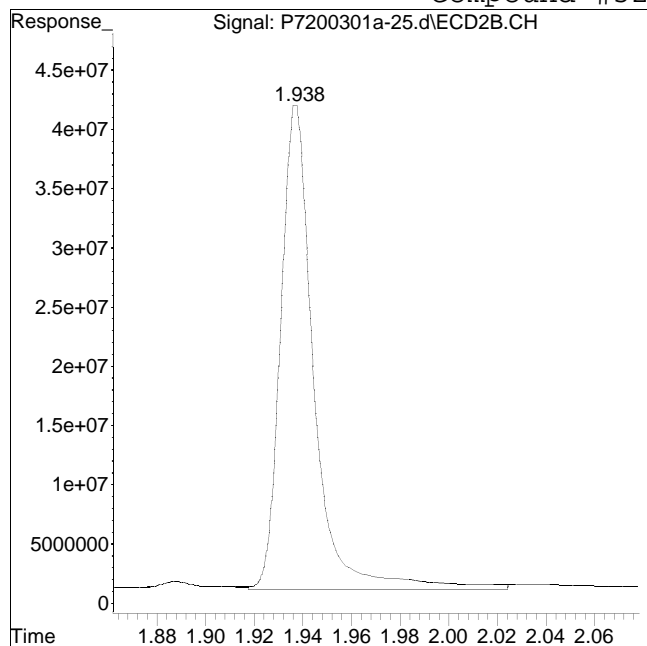


Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-25.d
Date Inj'd : 3/1/2020 9:45 pm
Sample : 12008805-14,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 392006507

Manual Peak Response = 378419191 M4

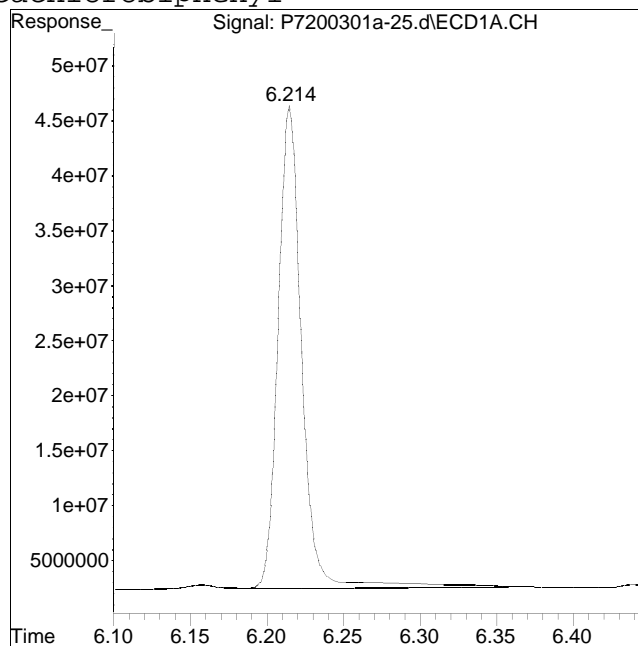
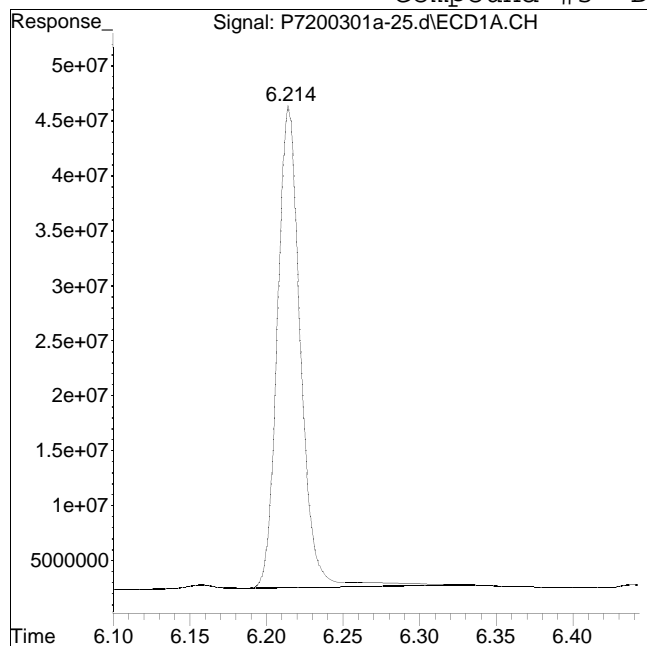
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-25.d
Date Inj'd : 3/1/2020 9:45 pm
Sample : 12008805-14,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 459353692

Manual Peak Response = 472953776 M4

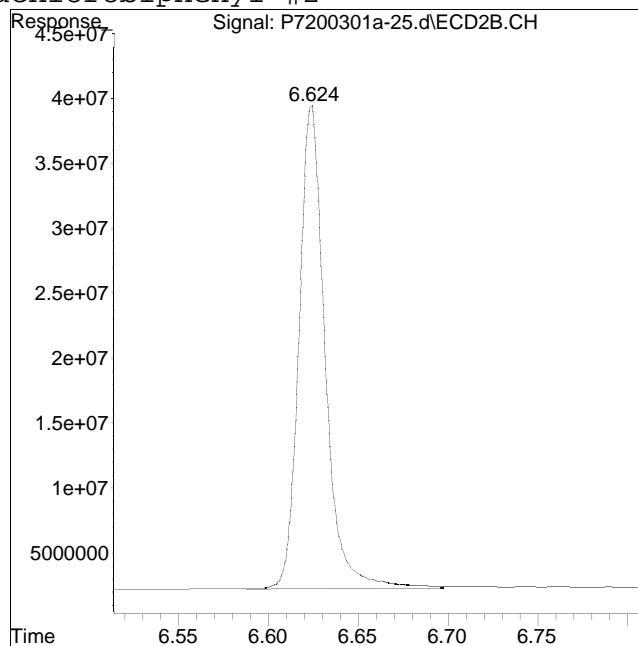
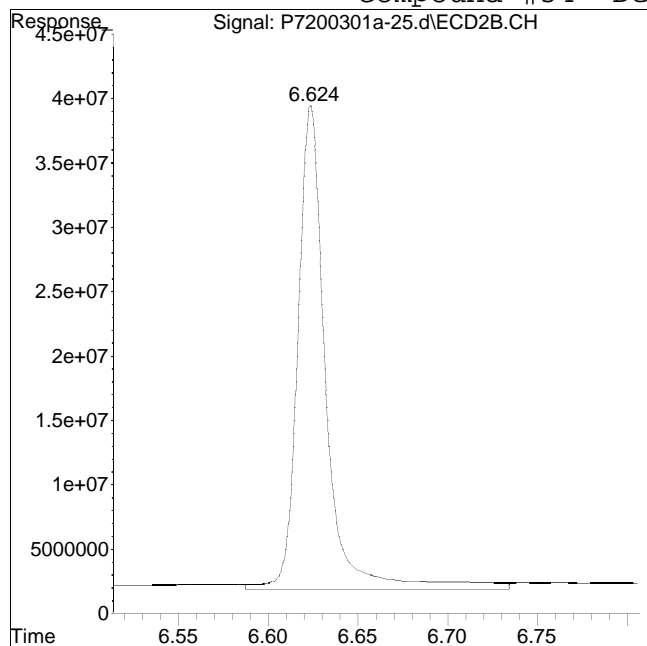
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301a\
Data File : P7200301a-25.d
Date Inj'd : 3/1/2020 9:45 pm
Sample : 12008805-14,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 414084103

Manual Peak Response = 375488736 M4

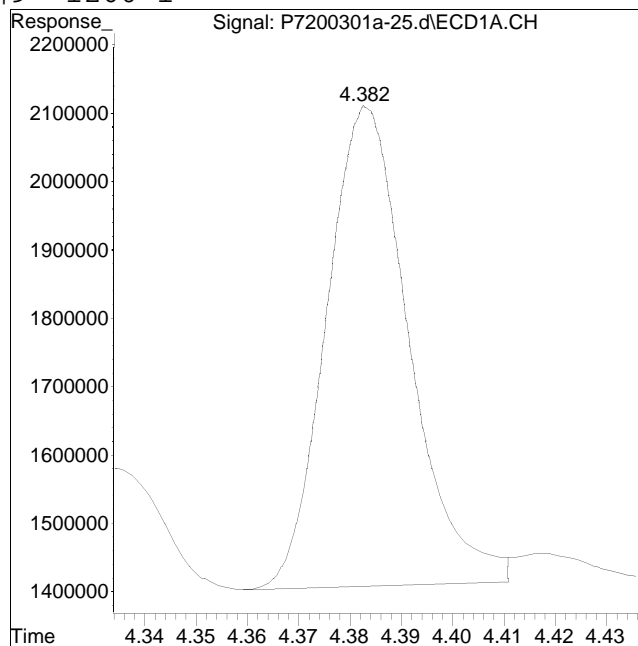
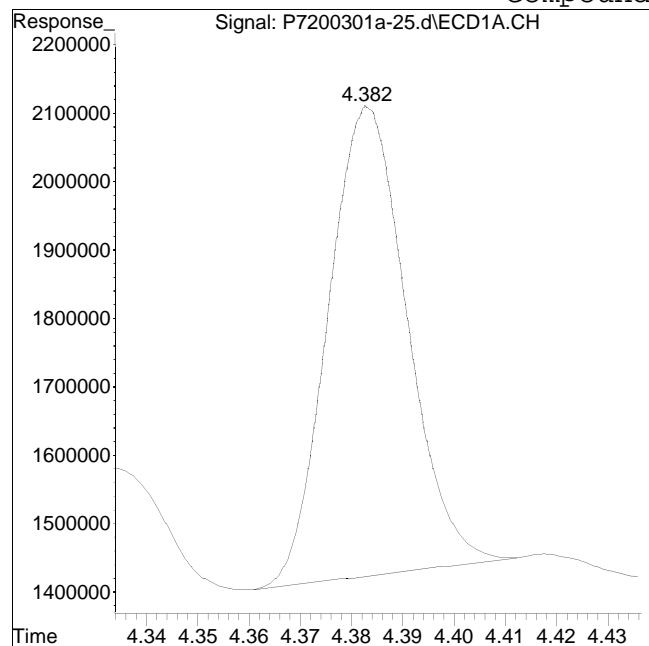
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-25.d
Date Inj'd : 3/1/2020 9:45 pm
Sample : 12008805-14,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #9: 1260-1



Original Peak Response = 7266771

Manual Peak Response = 7830686 M4

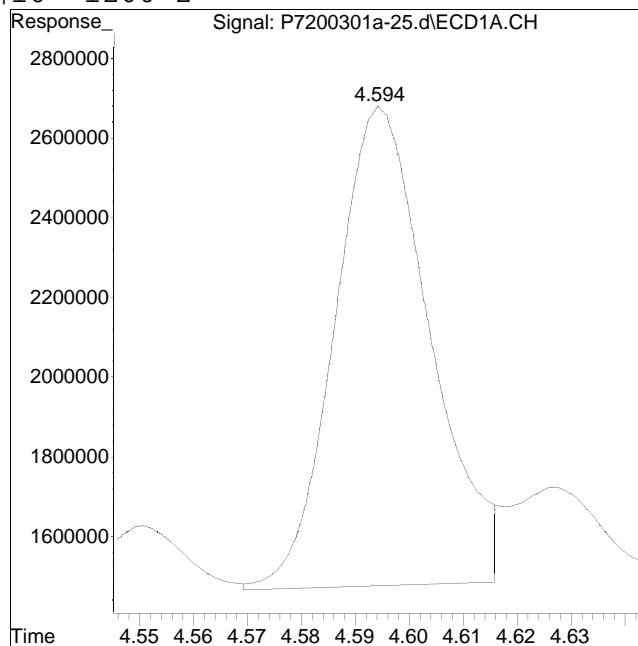
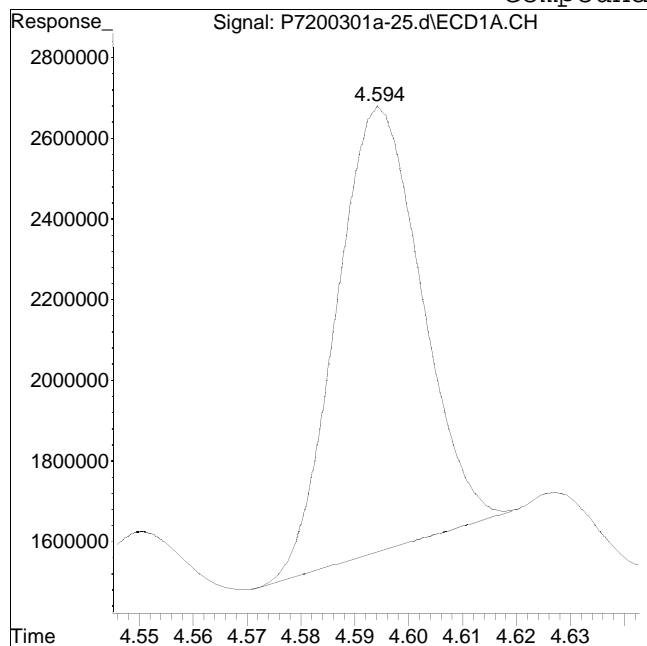
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-25.d
Date Inj'd : 3/1/2020 9:45 pm
Sample : 12008805-14,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #10: 1260-2



Original Peak Response = 11930576

Manual Peak Response = 14862684 M4

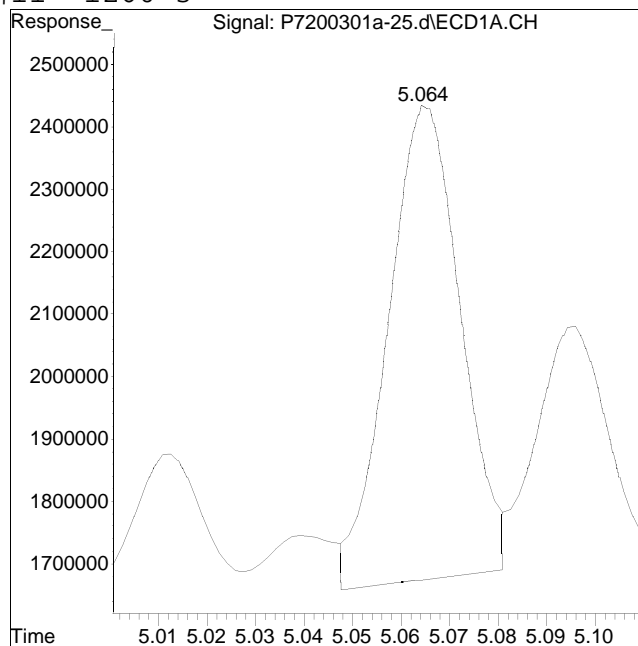
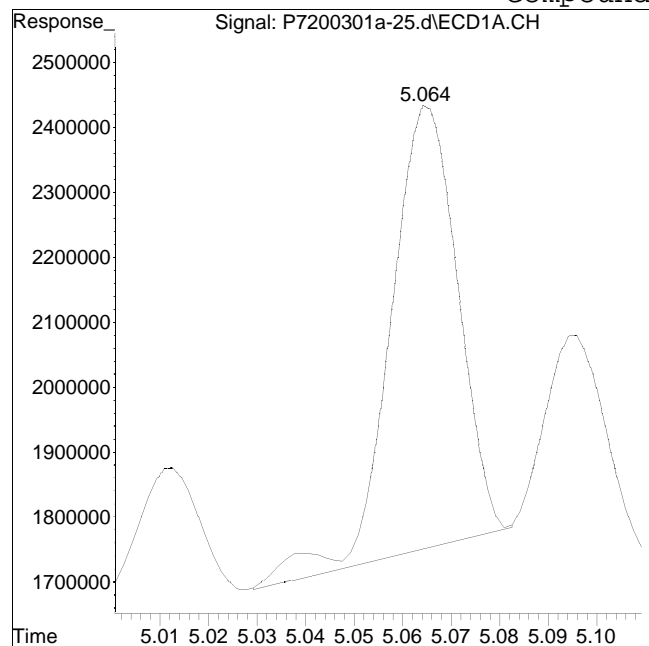
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-25.d
Date Inj'd : 3/1/2020 9:45 pm
Sample : 12008805-14,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #11: 1260-3



Original Peak Response = 6537285

Manual Peak Response = 7802941 M1

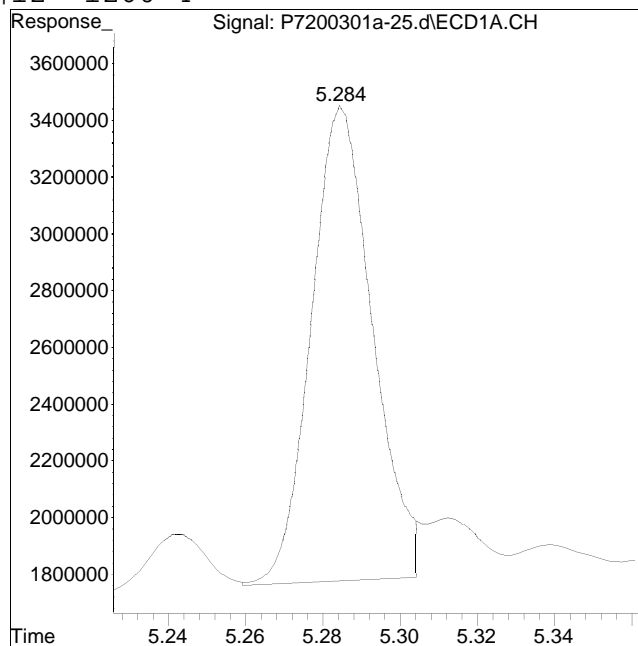
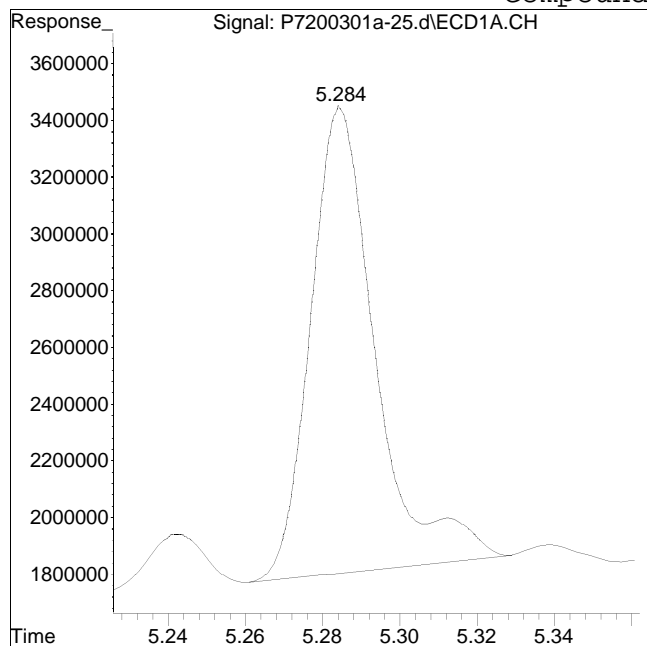
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-25.d
Date Inj'd : 3/1/2020 9:45 pm
Sample : 12008805-14,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #12: 1260-4



Original Peak Response = 19056354

Manual Peak Response = 18220338 M1

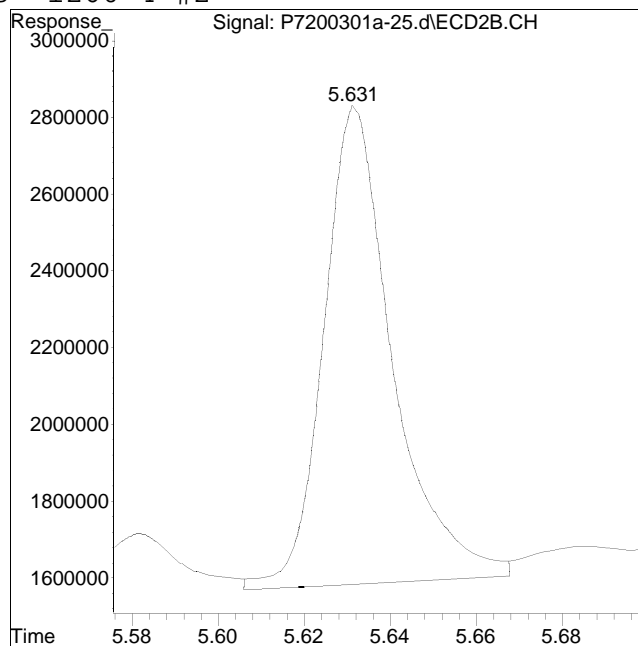
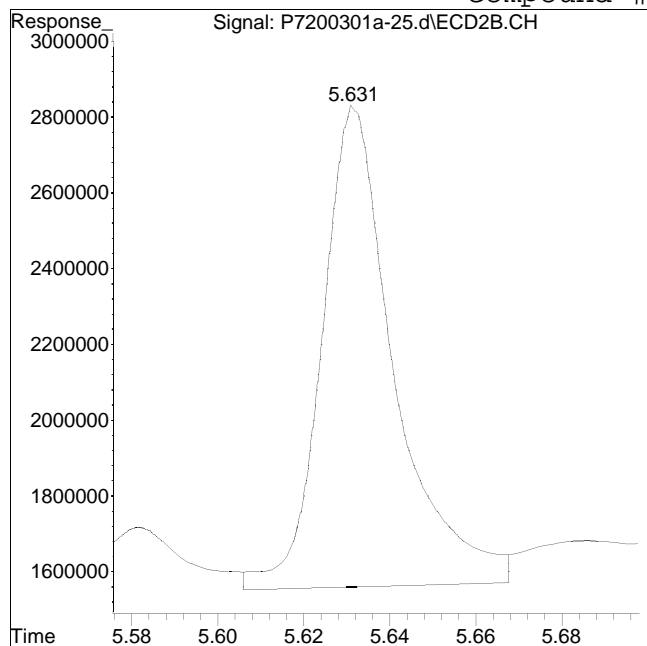
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-25.d
Date Inj'd : 3/1/2020 9:45 pm
Sample : 12008805-14,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #63: 1260-4 #2



Original Peak Response = 14789681

Manual Peak Response = 13854753 M4

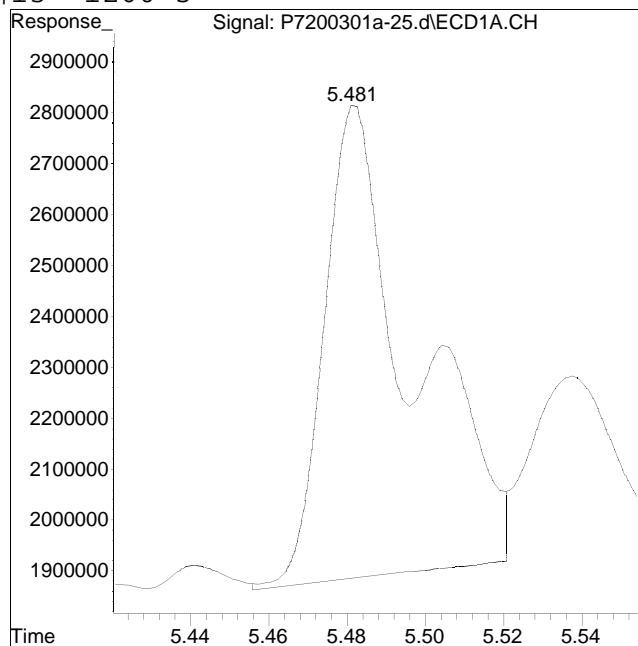
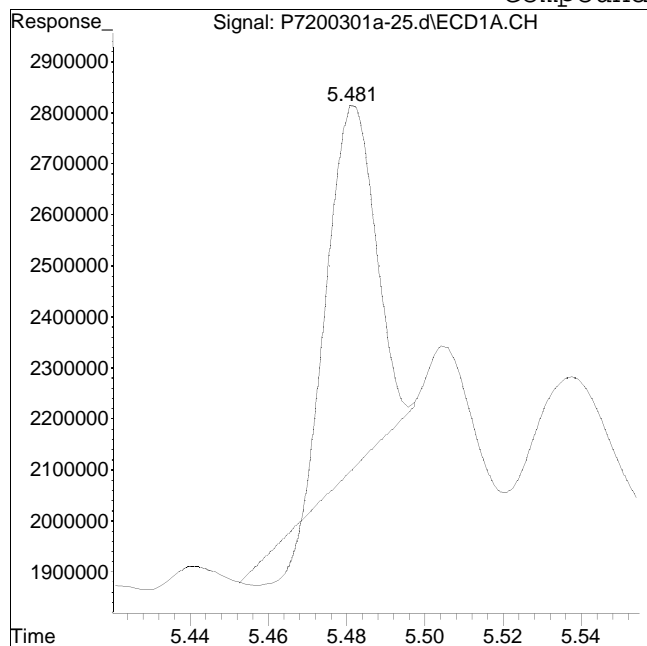
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-25.d
Date Inj'd : 3/1/2020 9:45 pm
Sample : 12008805-14,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #13: 1260-5



Original Peak Response = 5515364

Manual Peak Response = 14697991 M4

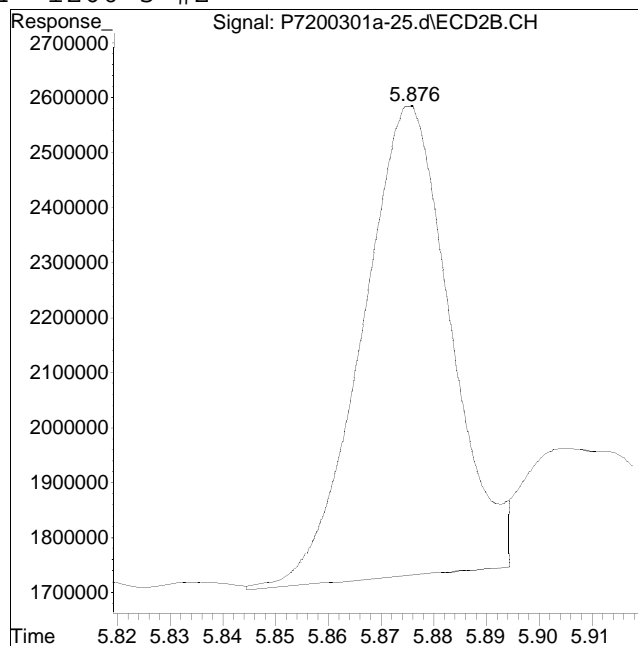
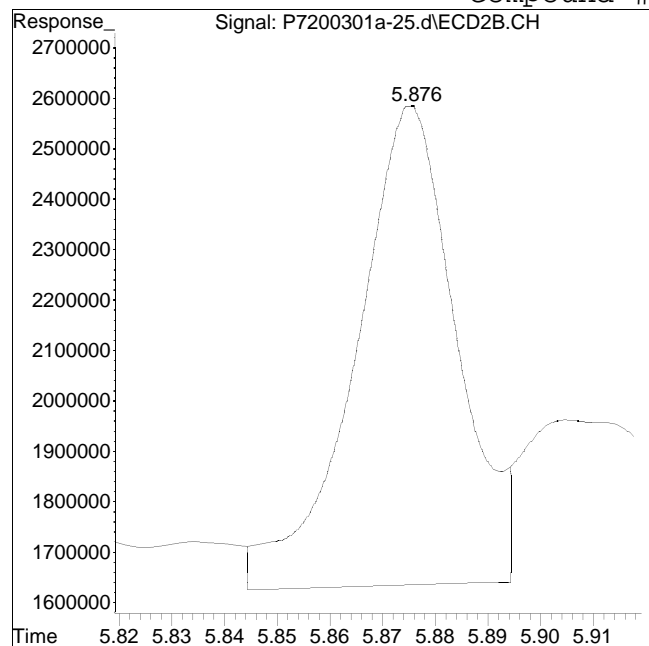
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-25.d
Date Inj'd : 3/1/2020 9:45 pm
Sample : 12008805-14,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #64: 1260-5 #2



Original Peak Response = 12526699

Manual Peak Response = 9784812 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-26.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 9:58 pm
 Operator : pest7:cw
 Sample : l2008805-13,42e,,rr
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:39:07 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.890	1.937	486.7E6	382.6E6	250.000	250.000M4
Standard Area 1 : #1 = 453929813					Recovery =	107.21%
Standard Area 1 : #2 = 353397607					Recovery =	108.27%
14) i 2154_1br2nb	1.890	1.937	486.7E6	382.6E6	250.000	250.000M4
23) i 4268_1br2nb	1.890	1.937	486.7E6	382.6E6	250.000	250.000M4
34) i 1248_1br2nb	1.890	1.937	486.7E6	382.6E6	250.000	250.000M4
40) i 3262_1br2nb	1.890	1.937	486.7E6	382.6E6	250.000	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.316	2.453	899.9E6	731.7E6	375.843M4	395.302M4
Spiked Amount	500.000	Range	30 - 150	Recovery =	75.17%	79.06%
3) s Decachlorobi	6.214	6.623	542.9E6	422.3E6	341.588	379.563M4
Spiked Amount	500.000	Range	30 - 150	Recovery =	68.32%	75.91%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.382	4.773f	49590473	35420136	425.040	424.874M1
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	5.064	5.457f	48645902	35963487	456.762M4	460.991
12) l2 1260-4	5.283	5.633f	114.6E6	88294136	482.098M4	547.664
13) l2 1260-5	5.480	5.876f	87849321	62015431	537.731M1	551.221
Sum 1260-1			300.7E6	221.7E6	1901.631	1984.749
Average 1260-1					475.408	496.187

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-26.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 9:58 pm
 Operator : pest7:cw
 Sample : l2008805-13,42e,,rr
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:39:07 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	3.722f	4.126f	11207012	12937111	132.596M3	201.402
19) 14 1254-2	3.928f	4.277f	33134347	18511511	223.043M3	250.187
20) 14 1254-3	4.240f	4.628f	38350581	25061252	269.521M3	223.153
21) 14 1254-4	4.455f	4.804f	44948831	28242685	400.356	378.007
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			127.6E6	84752559	1025.517	1052.749
Average 1254-1					256.379	263.187
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-26.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 9:58 pm
 Operator : pest7:cw
 Sample : l2008805-13,42e,,rr
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:39:07 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-26.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 9:58 pm
 Operator : pest7:cw
 Sample : l2008805-13,42e,,rr
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:39:07 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

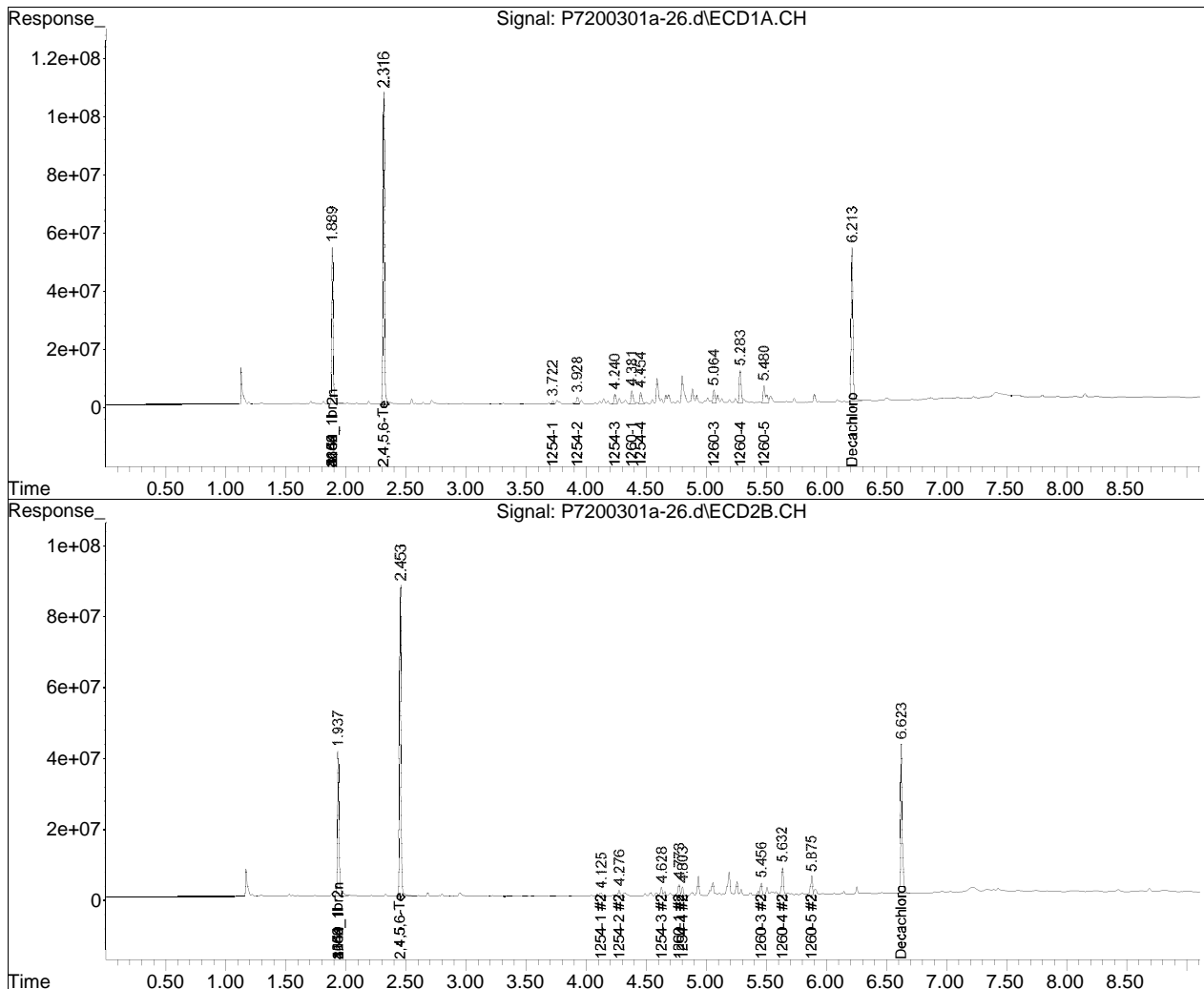
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Mar 2020 9:58 pm
Operator : pest7:cw
Sample : l2008805-13,42e,,rr
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 16:39:07 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

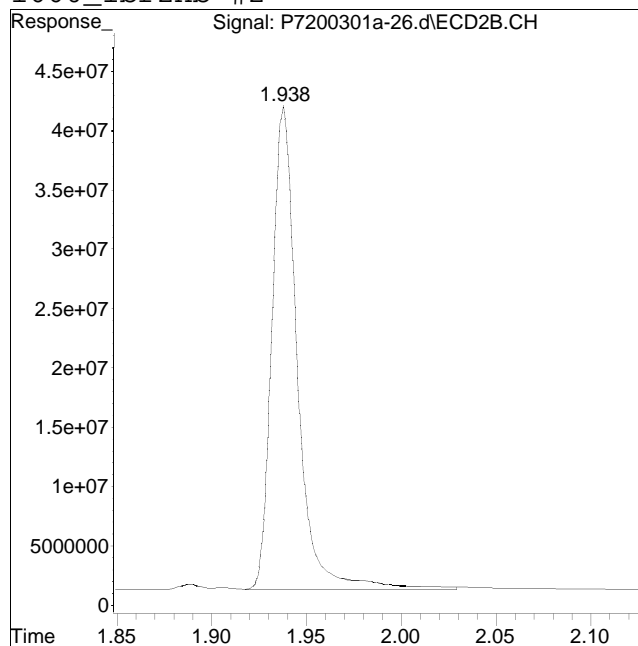
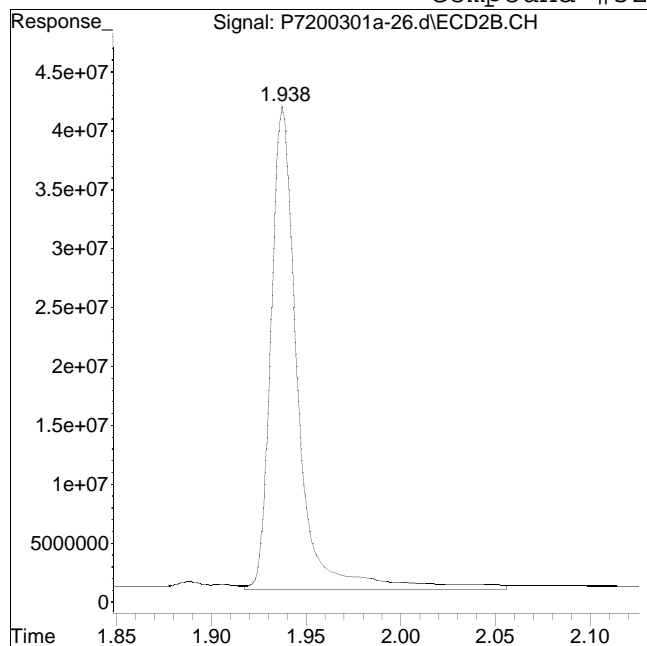


Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-26.d
Date Inj'd : 3/1/2020 9:58 pm
Sample : 12008805-13,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 408412173

Manual Peak Response = 382622925 M4

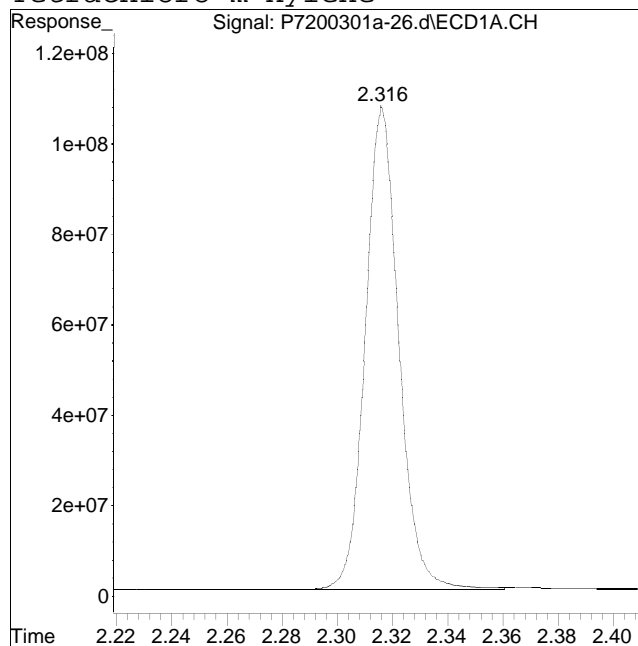
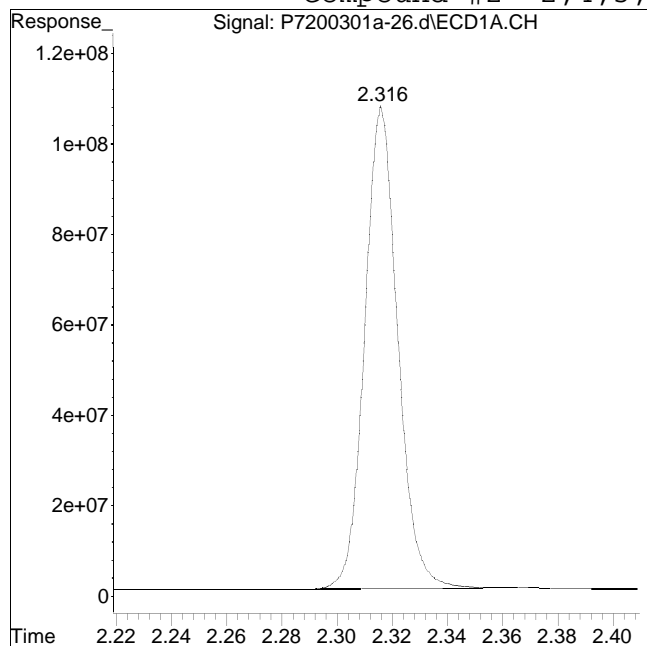
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-26.d
Date Inj'd : 3/1/2020 9:58 pm
Sample : 12008805-13,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 886423929

Manual Peak Response = 899886442 M4

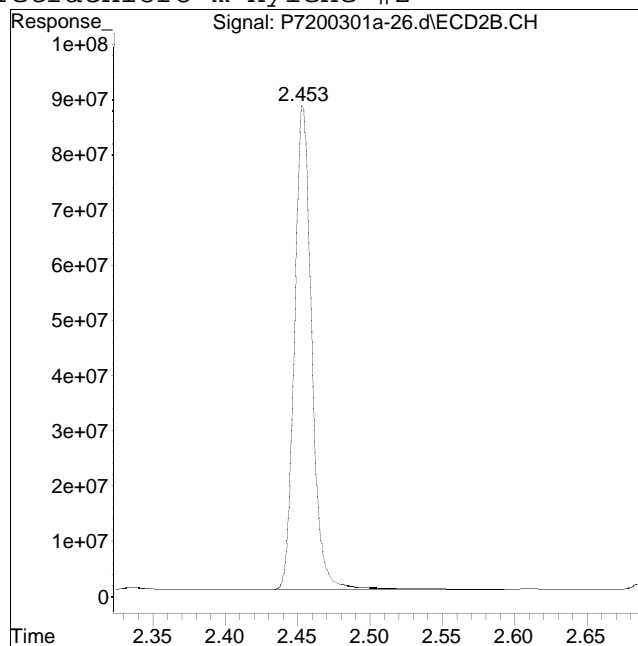
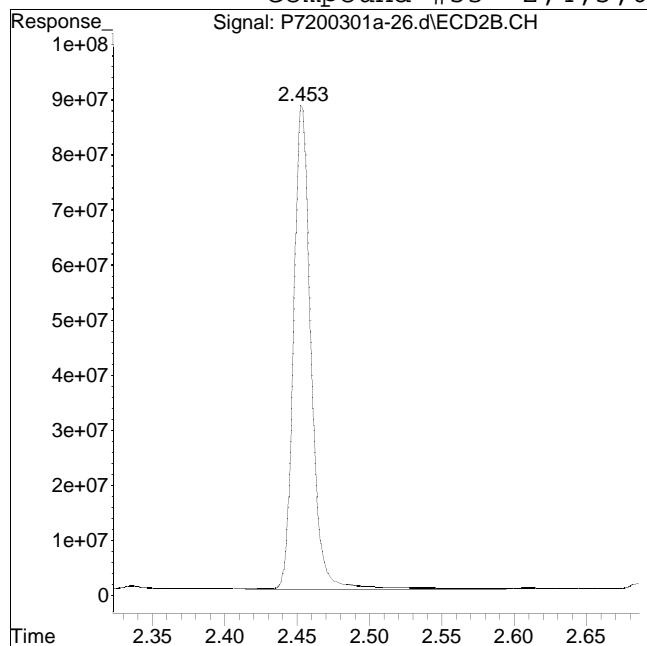
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-26.d
Date Inj'd : 3/1/2020 9:58 pm
Sample : 12008805-13,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 754060660

Manual Peak Response = 731739344 M4

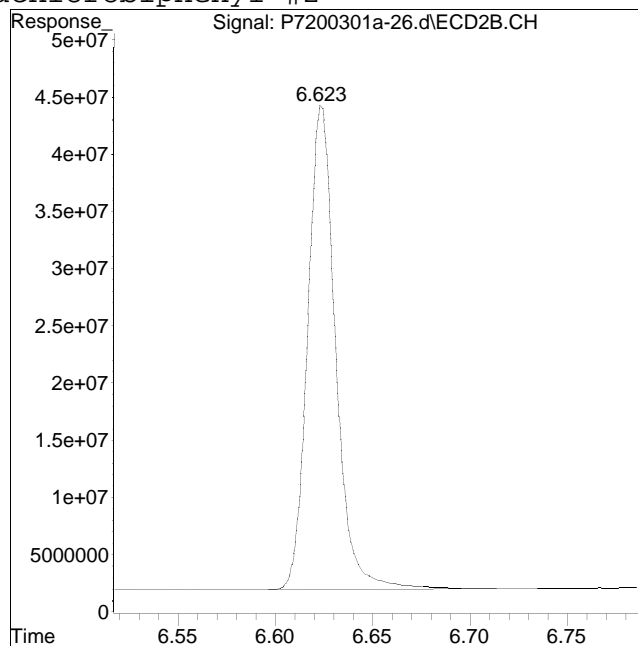
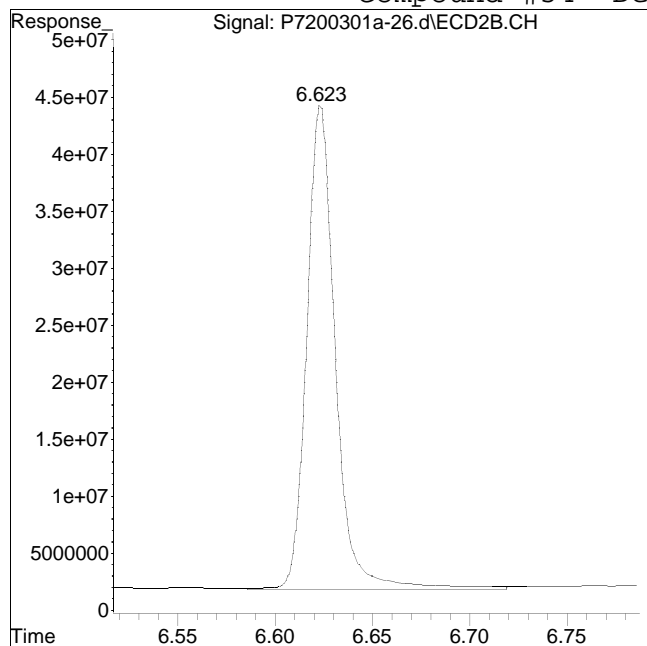
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-26.d
Date Inj'd : 3/1/2020 9:58 pm
Sample : 12008805-13,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 438519922

Manual Peak Response = 422266474 M4

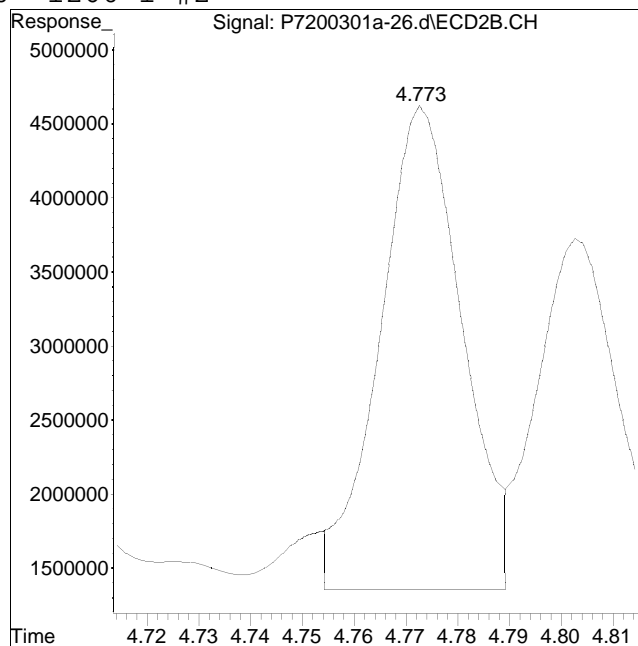
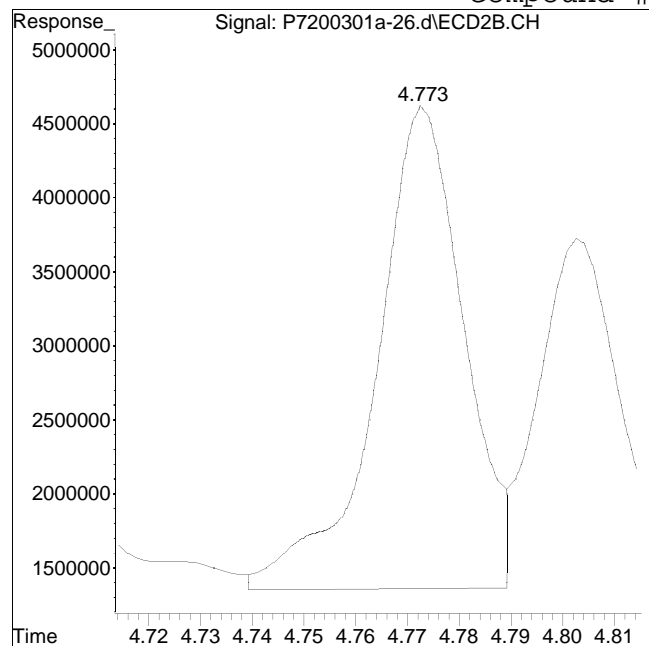
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-26.d
Date Inj'd : 3/1/2020 9:58 pm
Sample : 12008805-13,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #60: 1260-1 #2



Original Peak Response = 38275124

Manual Peak Response = 35420136 M1

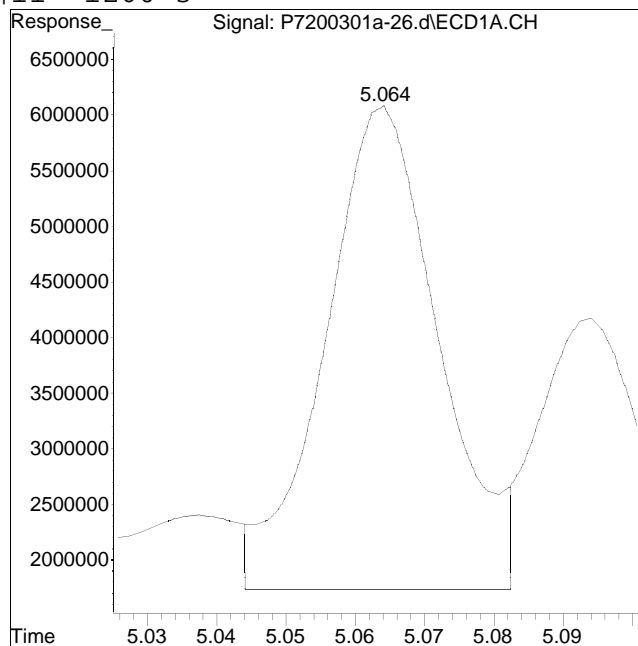
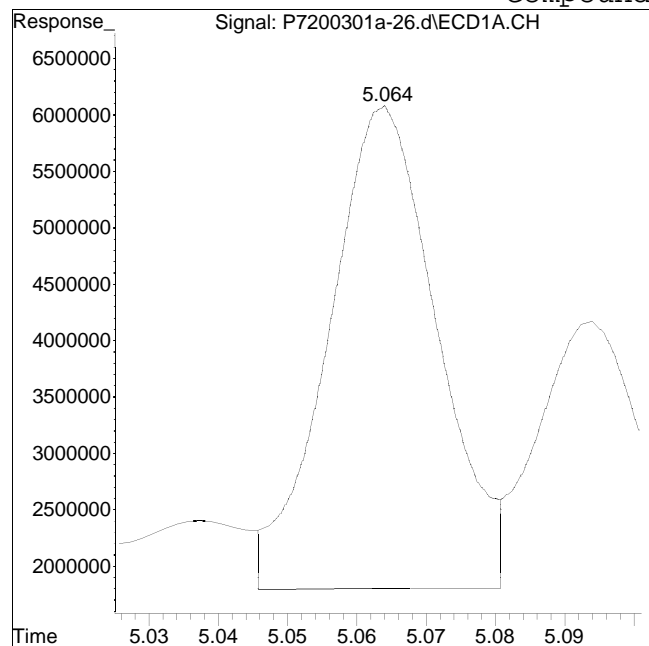
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-26.d
Date Inj'd : 3/1/2020 9:58 pm
Sample : 12008805-13,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #11: 1260-3



Original Peak Response = 46707338

Manual Peak Response = 48645902 M4

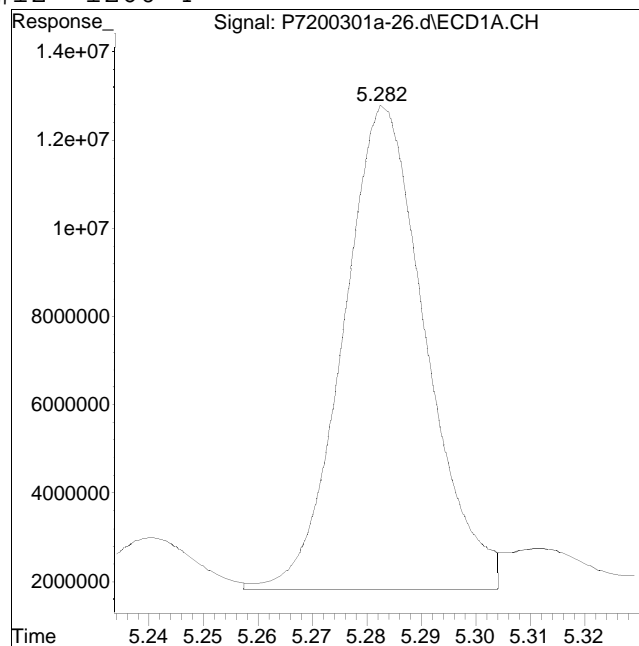
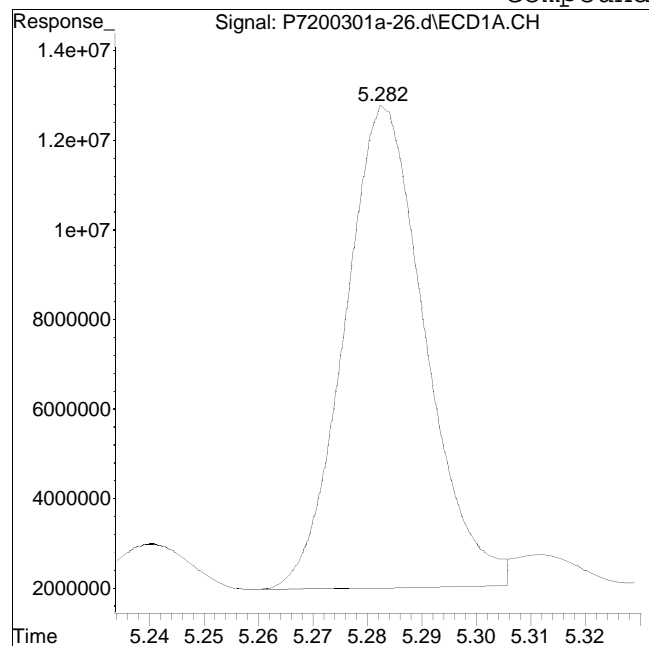
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-26.d
Date Inj'd : 3/1/2020 9:58 pm
Sample : 12008805-13,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #12: 1260-4



Original Peak Response = 109877457

Manual Peak Response = 114581611 M4

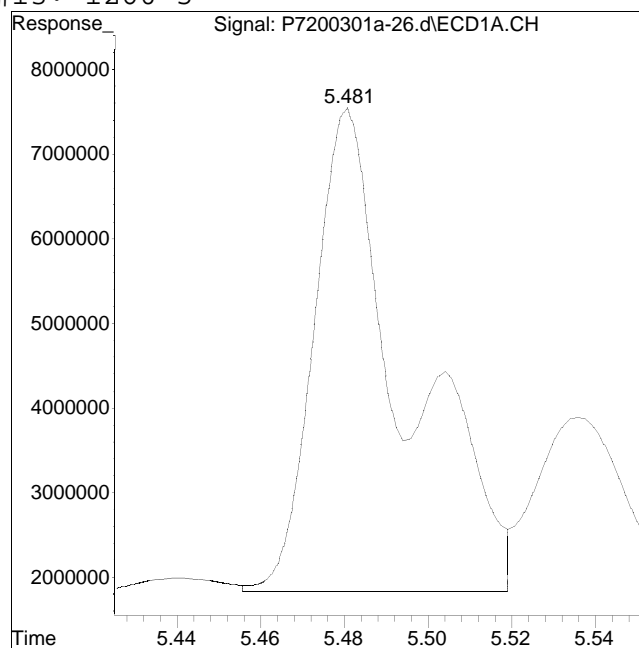
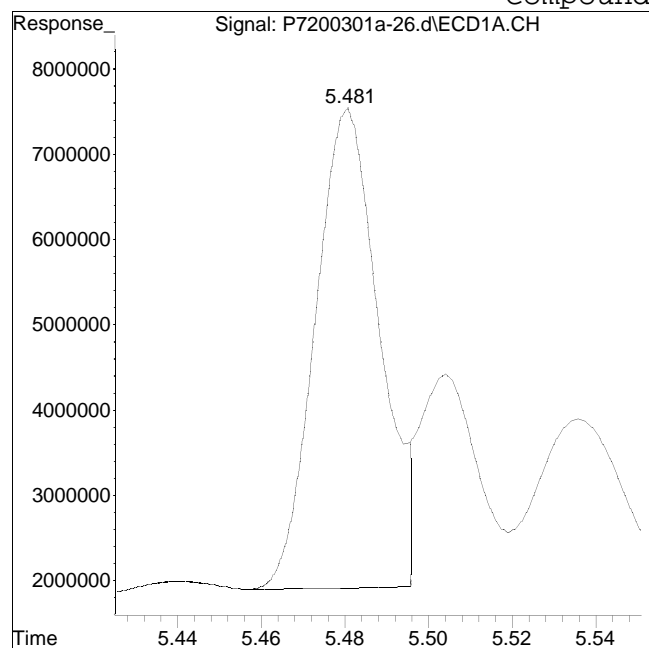
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-26.d
Date Inj'd : 3/1/2020 9:58 pm
Sample : 12008805-13,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #13: 1260-5



Original Peak Response = 58815426

Manual Peak Response = 87849321 M1

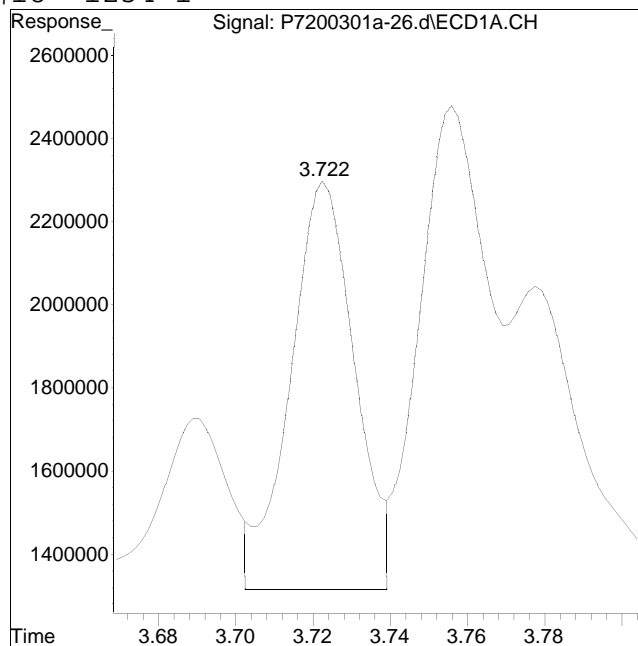
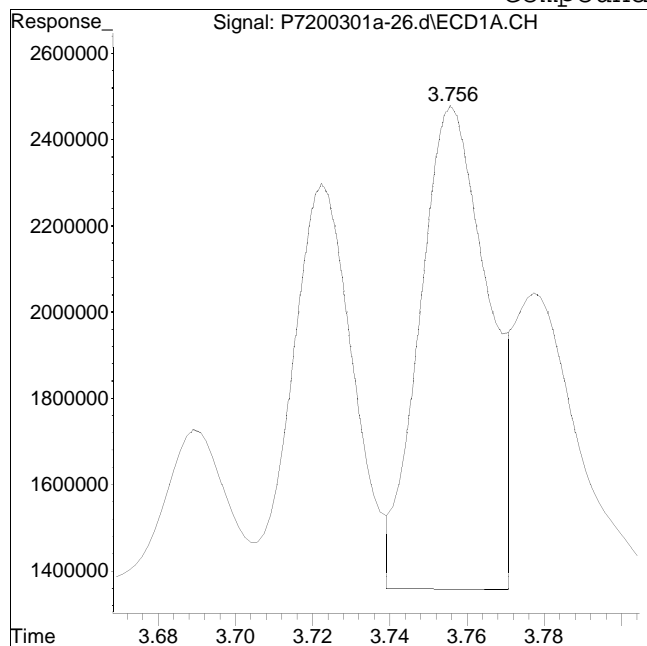
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-26.d
Date Inj'd : 3/1/2020 9:58 pm
Sample : 12008805-13,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #18: 1254-1



Original Peak Response = 13408942

Manual Peak Response = 11207012 M3

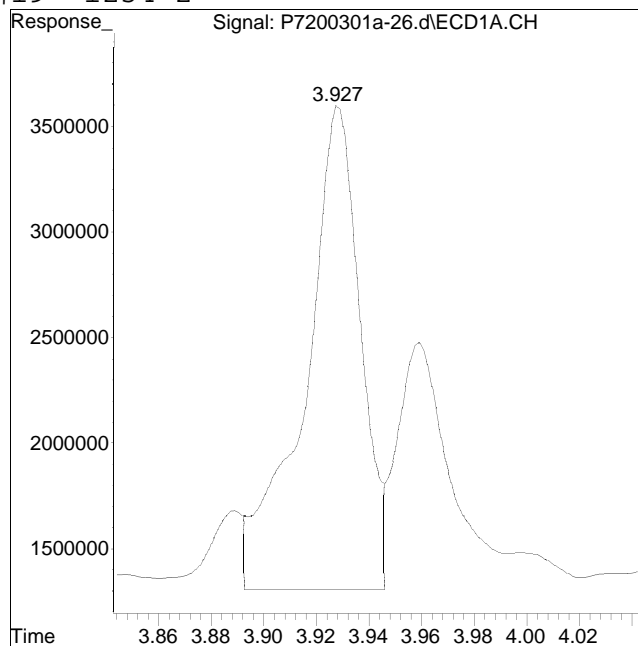
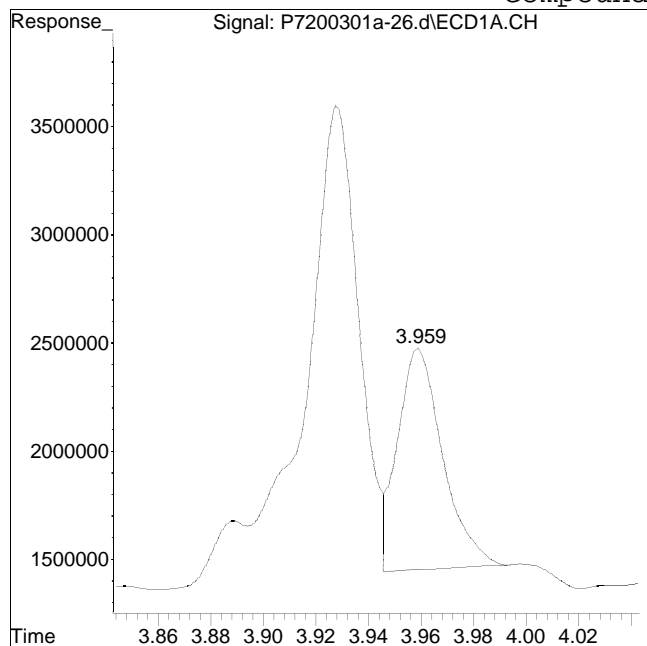
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-26.d
Date Inj'd : 3/1/2020 9:58 pm
Sample : 12008805-13,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #19: 1254-2



Original Peak Response = 12264998

Manual Peak Response = 33134347 M3

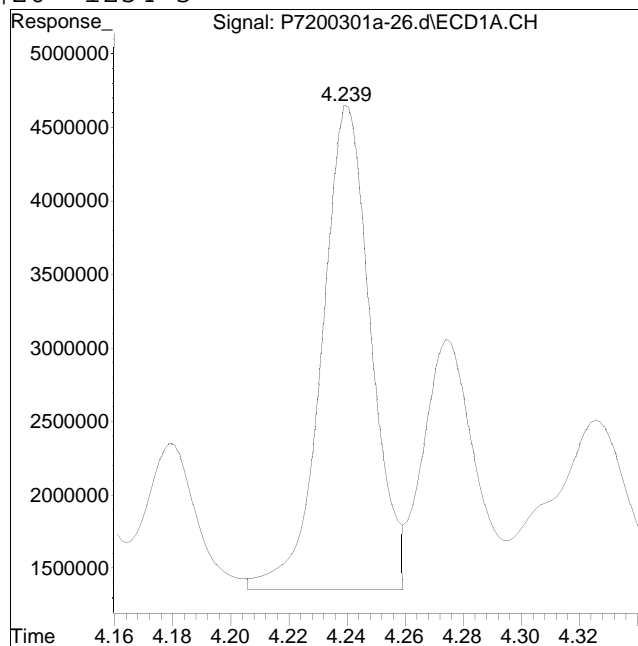
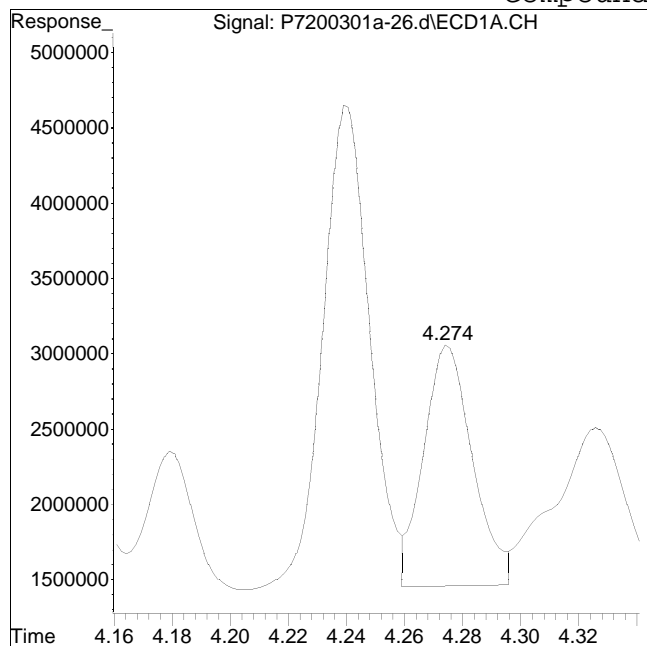
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-26.d
Date Inj'd : 3/1/2020 9:58 pm
Sample : 12008805-13,42e,,rr

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #20: 1254-3



Original Peak Response = 18636668

Manual Peak Response = 38350581 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:47 pm
 Operator : pest7:cw
 Sample : l2008805-02d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:48:52 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.891	1.939	511.6E6	405.1E6	250.000	250.000M4
Standard Area 1 : #1 = 453929813					Recovery =	112.71%
Standard Area 1 : #2 = 353397607					Recovery =	114.62%
14) i 2154_1br2nb	1.891	1.939	511.6E6	405.1E6	250.000	250.000M4
23) i 4268_1br2nb	1.891	1.939	511.6E6	405.1E6	250.000	250.000M4
34) i 1248_1br2nb	1.891	1.939	511.6E6	405.1E6	250.000	250.000M4
40) i 3262_1br2nb	1.891	1.939	511.6E6	405.1E6	250.000	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.318	2.455	141.8E6	106.0E6	56.342	54.109M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	11.27%# 10.82%#
3) s Decachlorobi	6.214	6.625	101.2E6	87739125	60.590M1	74.498M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	12.12%# 14.90%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	5.064	5.459f	80029927	55959665	714.766M1	677.582
12) l2 1260-4	5.283	5.633f	146.3E6	120.2E6	585.453M1	704.079M1
13) l2 1260-5	5.481	5.878f	133.0E6	88401872	774.597M1	742.239
Sum 1260-1			359.4E6	264.5E6	2074.816	2123.901

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:47 pm
 Operator : pest7:cw
 Sample : l2008805-02d,42e,5,
 Misc : wgl345889,wgl345844,ical15997
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:48:52 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					691.605	707.967
15) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	3.724f	4.126f	290.7E6	252.0E6	3271.246M3	3706.050
19) 14 1254-2	3.928f	0.000	488.7E6	0	3128.905M3	N.D. d
20) 14 1254-3	4.241f	4.630f	588.8E6	471.1E6	3935.795M3	3962.671
21) 14 1254-4	4.455f	4.804f	236.7E6	170.1E6	2005.594M3	2150.149
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			1604.8E6	893.2E6	12341.540	9818.870
Average 1254-1					3085.385	3272.957
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:47 pm
 Operator : pest7:cw
 Sample : l2008805-02d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:48:52 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-30.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:47 pm
 Operator : pest7:cw
 Sample : l2008805-02d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:48:52 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

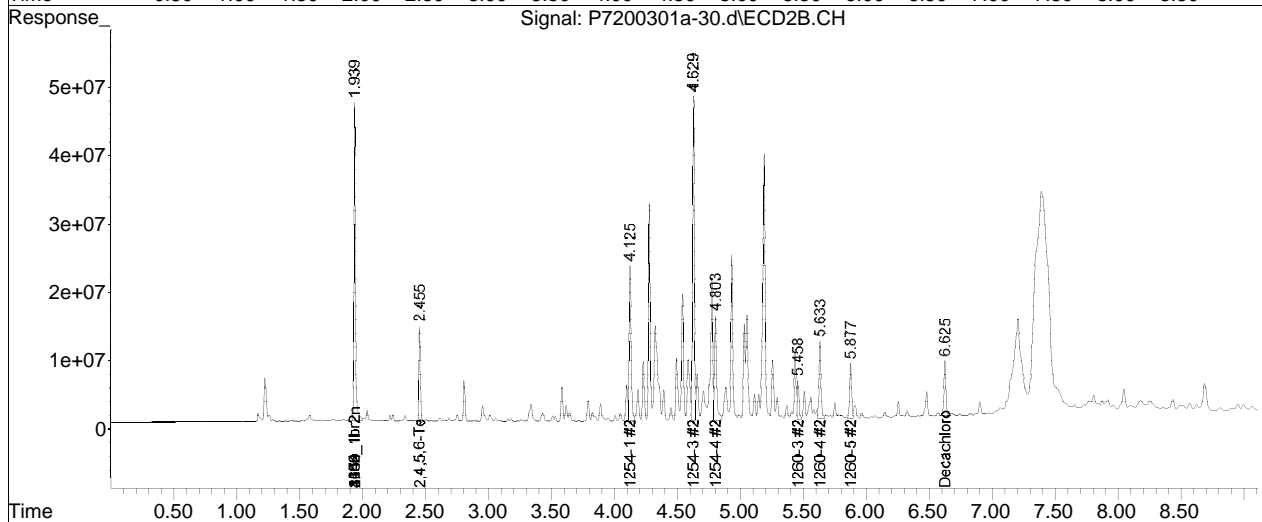
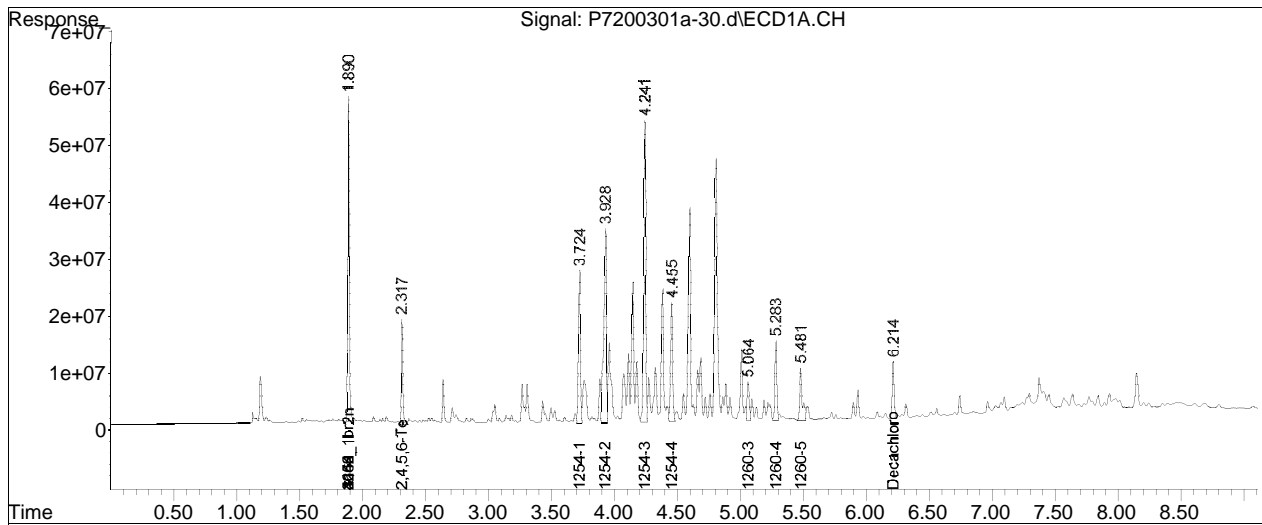
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Mar 2020 10:47 pm
Operator : pest7:cw
Sample : l2008805-02d,42e,5,
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 16:48:52 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

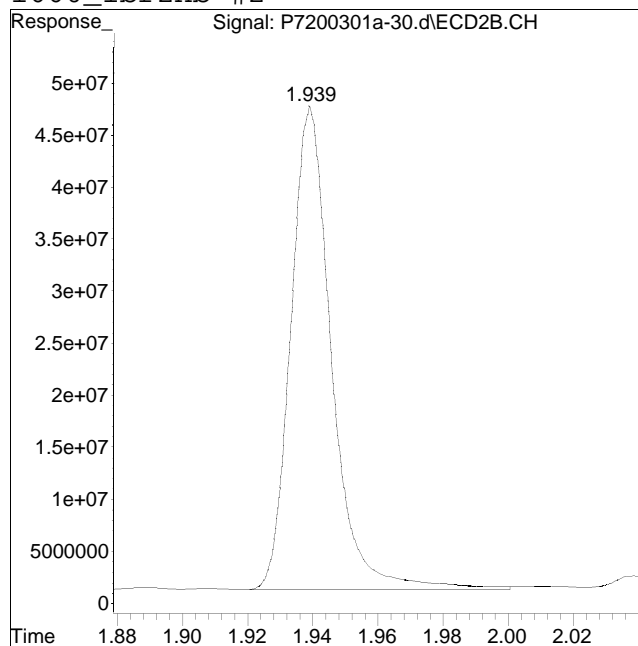
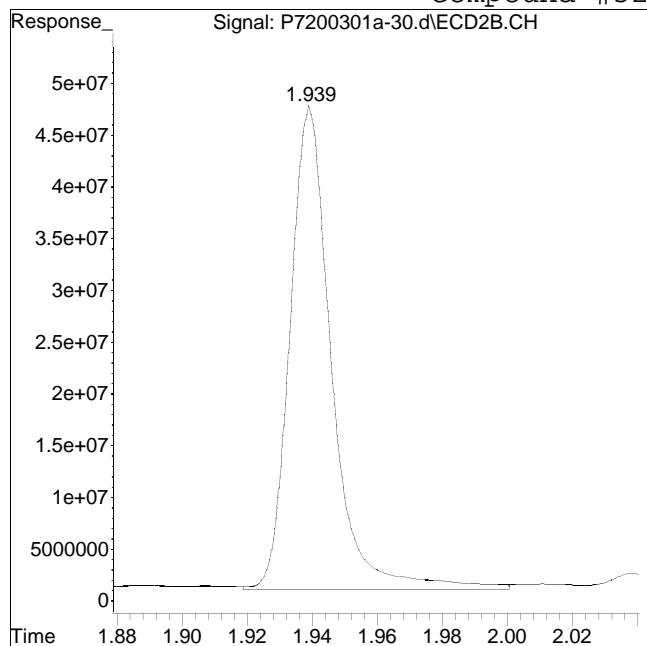


Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Date Inj'd : 3/1/2020 10:47 pm
Sample : 12008805-02d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 417352669

Manual Peak Response = 405055355 M4

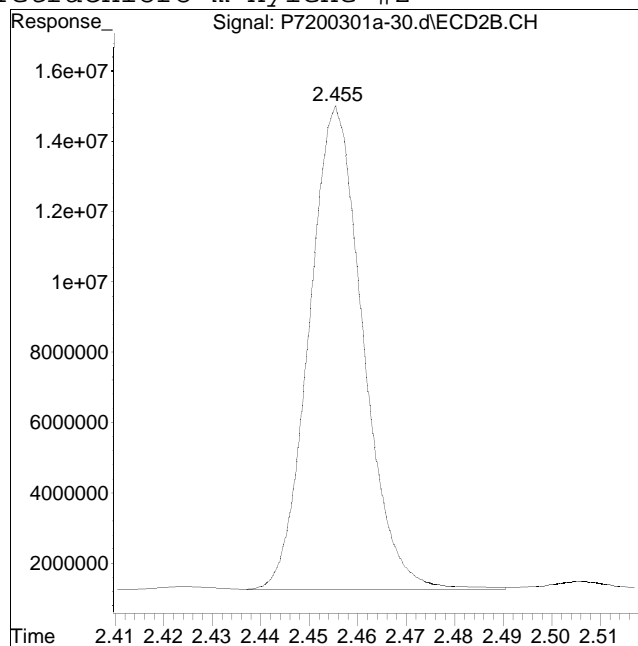
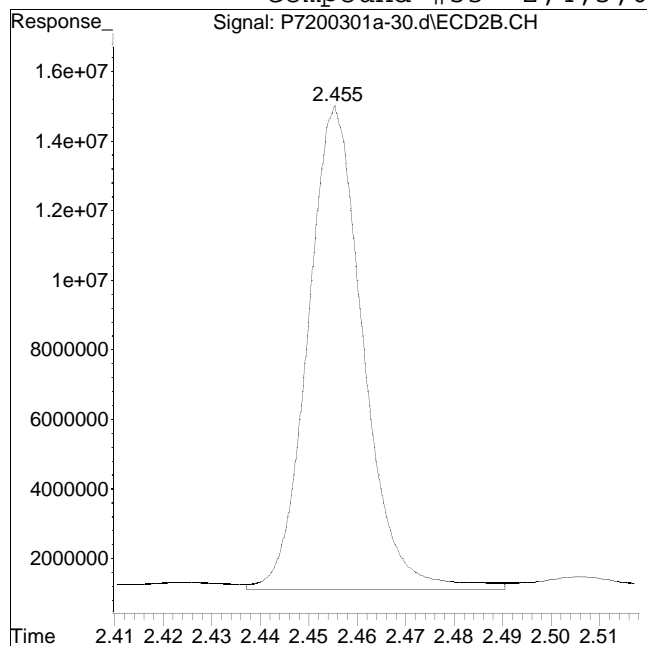
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Date Inj'd : 3/1/2020 10:47 pm
Sample : 12008805-02d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 110546899

Manual Peak Response = 106033346 M4

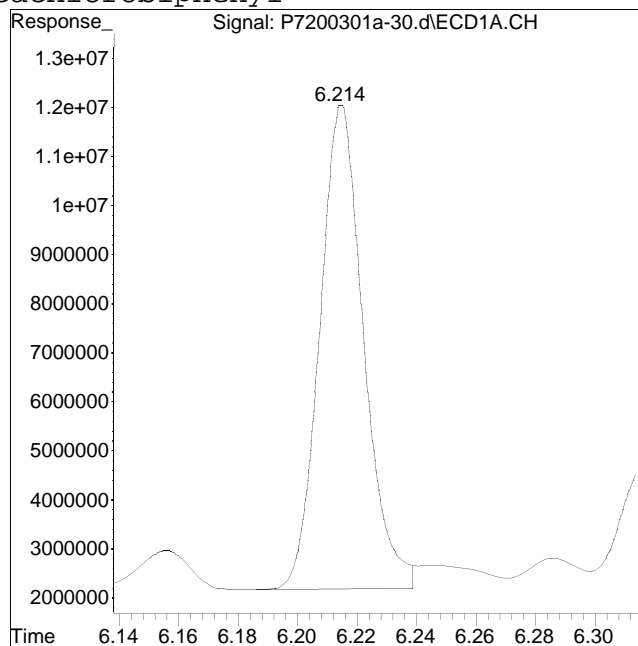
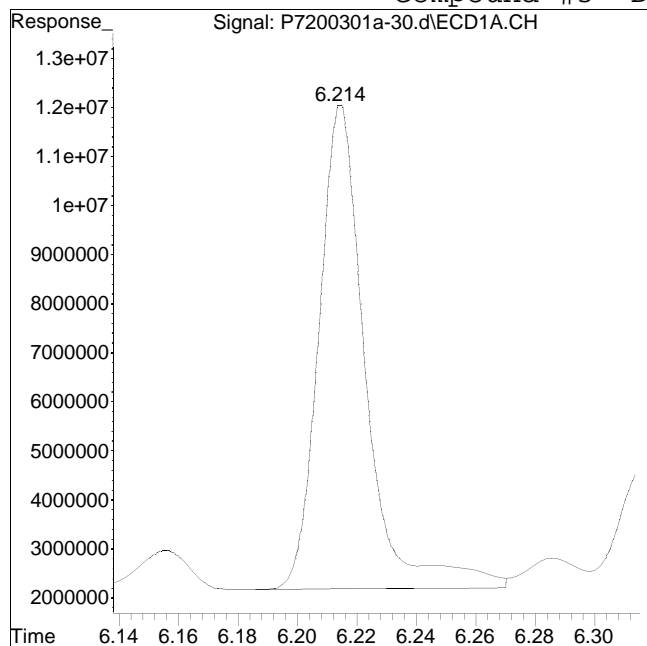
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Date Inj'd : 3/1/2020 10:47 pm
Sample : 12008805-02d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 107793147

Manual Peak Response = 101249342 M1

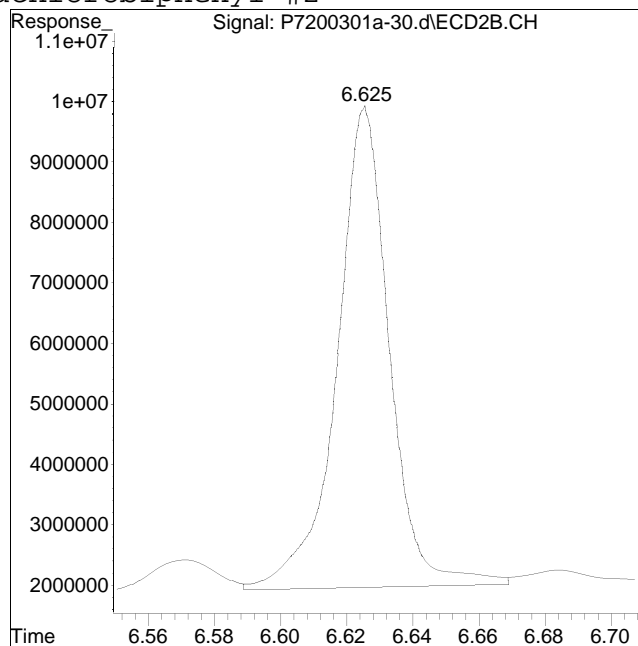
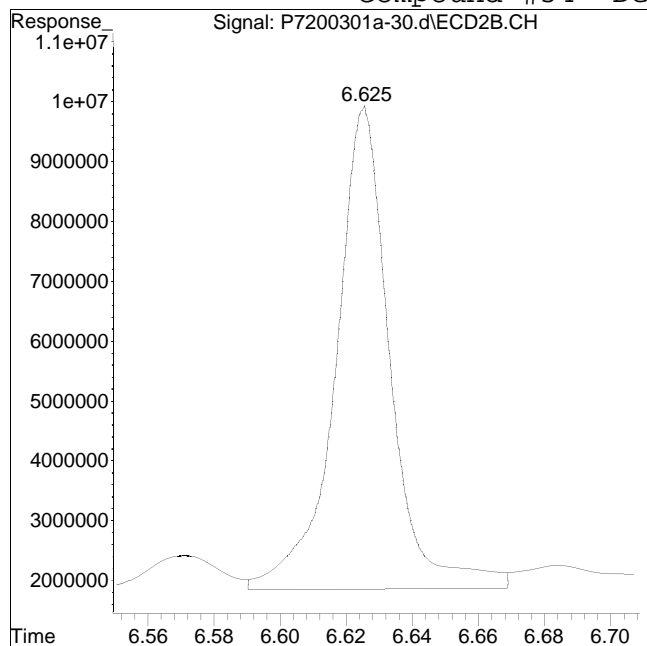
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Date Inj'd : 3/1/2020 10:47 pm
Sample : 12008805-02d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 92880704

Manual Peak Response = 87739125 M4

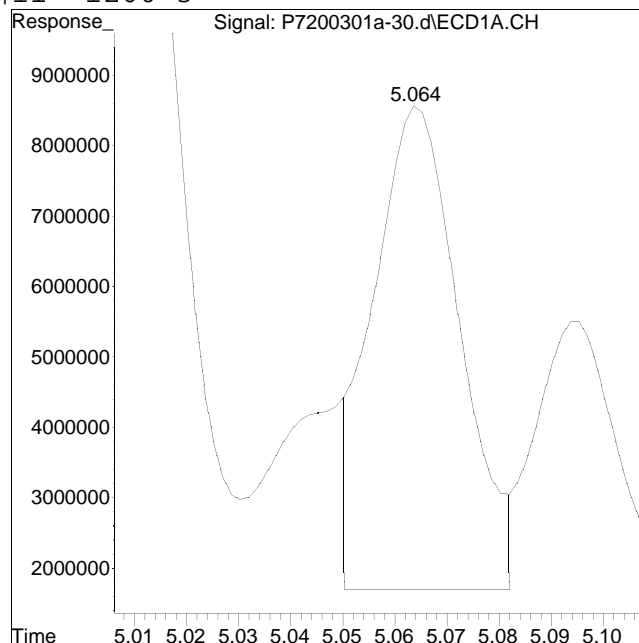
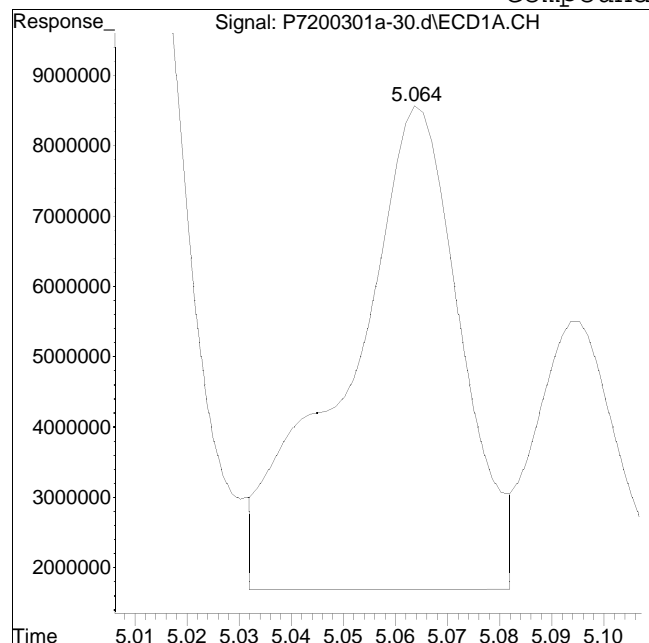
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Date Inj'd : 3/1/2020 10:47 pm
Sample : 12008805-02d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #11: 1260-3



Original Peak Response = 104440499

Manual Peak Response = 80029927 M1

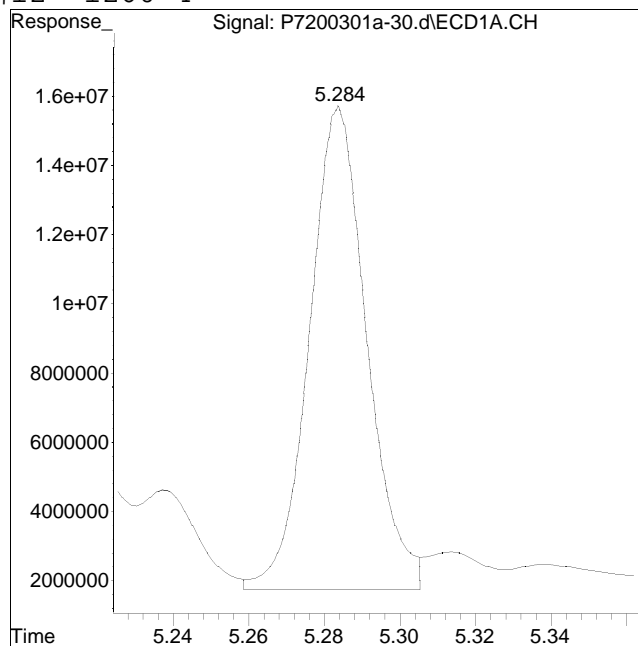
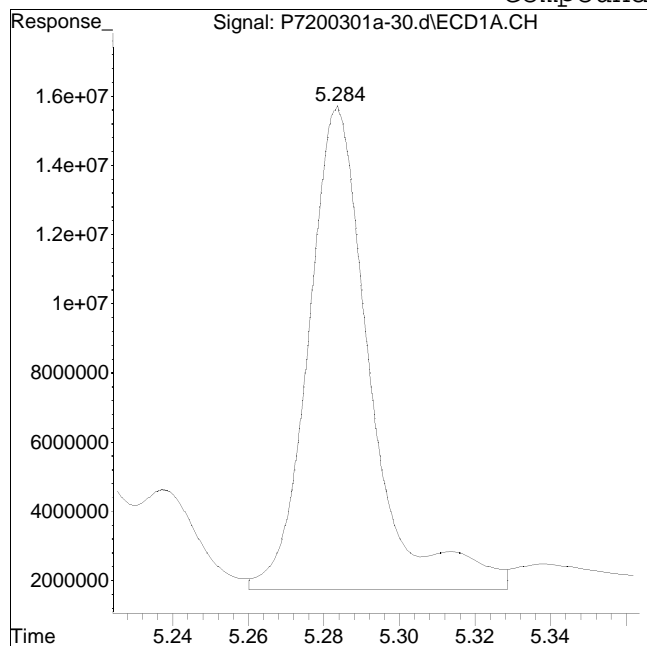
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Date Inj'd : 3/1/2020 10:47 pm
Sample : 12008805-02d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #12: 1260-4



Original Peak Response = 159509785

Manual Peak Response = 146286281 M1

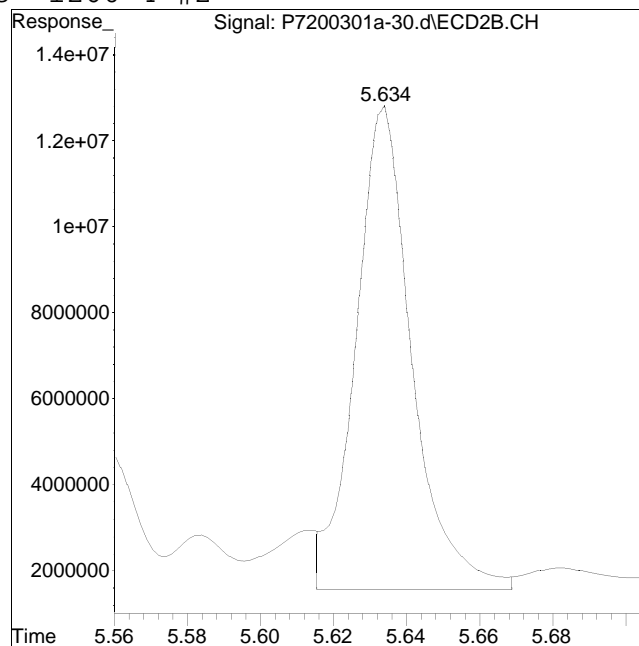
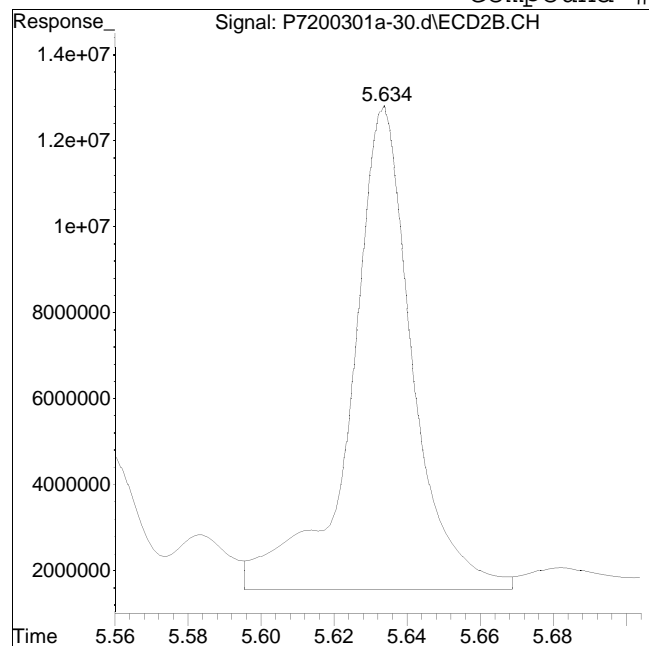
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Date Inj'd : 3/1/2020 10:47 pm
Sample : 12008805-02d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #63: 1260-4 #2



Original Peak Response = 132852533

Manual Peak Response = 120166222 M1

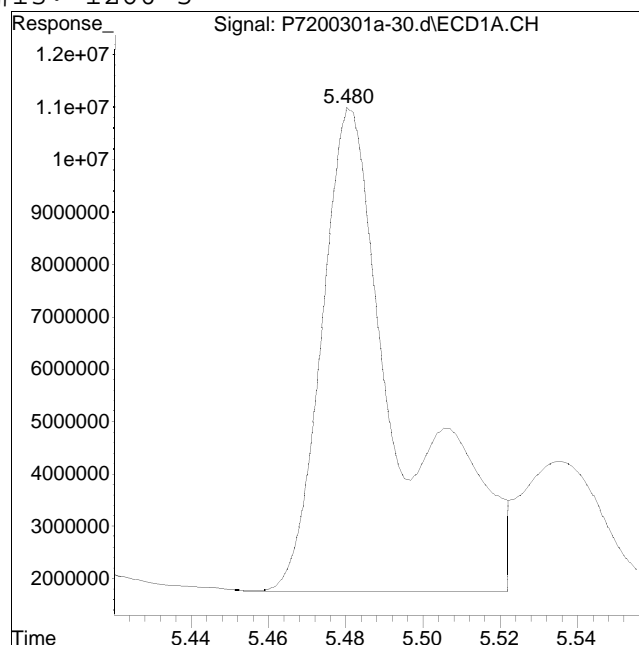
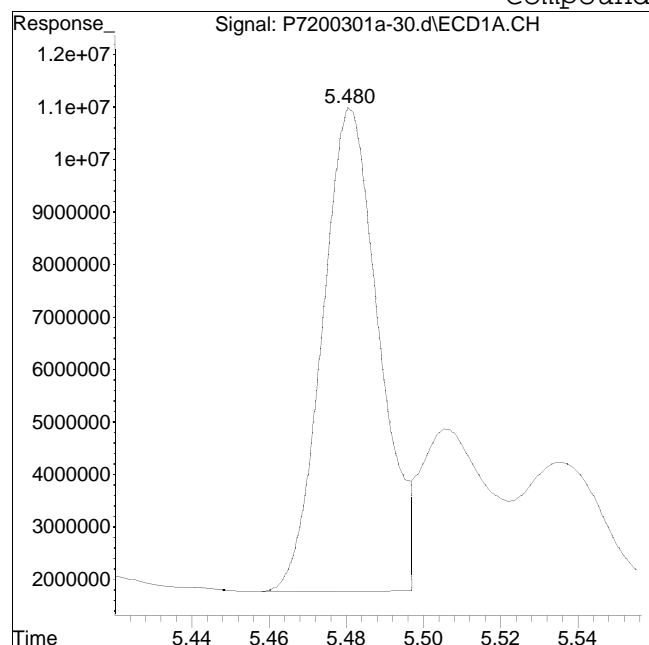
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Date Inj'd : 3/1/2020 10:47 pm
Sample : 12008805-02d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #13: 1260-5



Original Peak Response = 93768562

Manual Peak Response = 133039909 M1

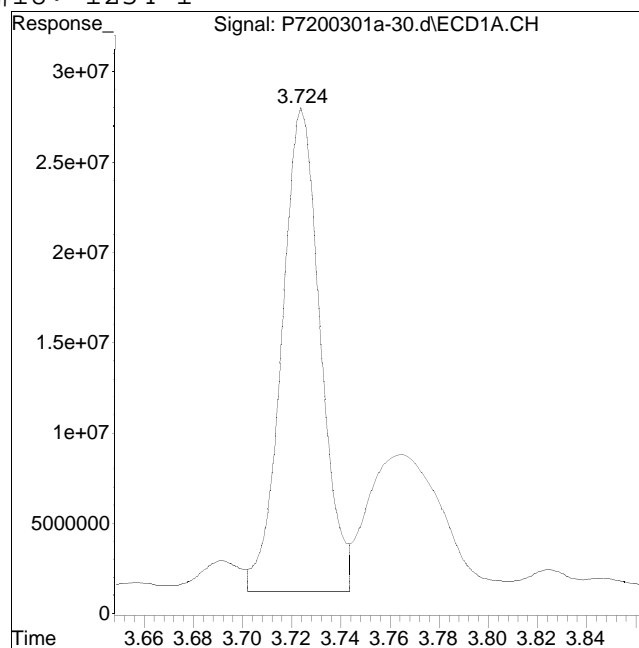
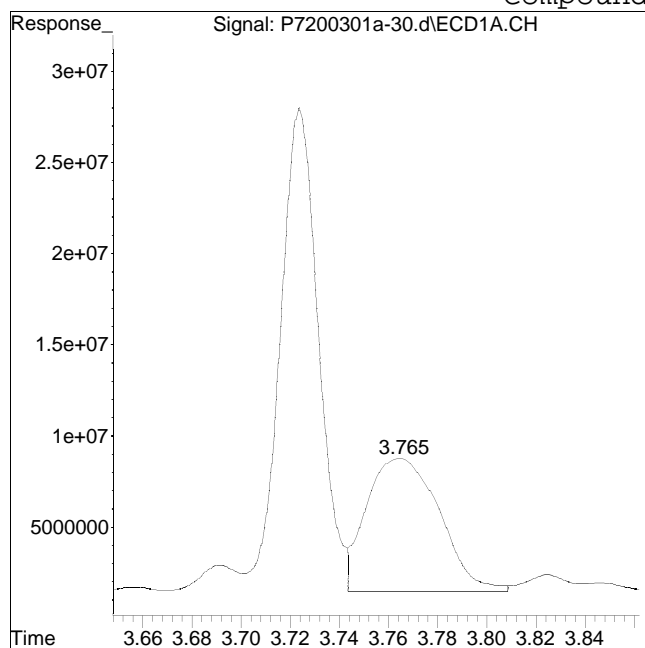
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Date Inj'd : 3/1/2020 10:47 pm
Sample : 12008805-02d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #18: 1254-1



Original Peak Response = 151427096

Manual Peak Response = 290672245 M3

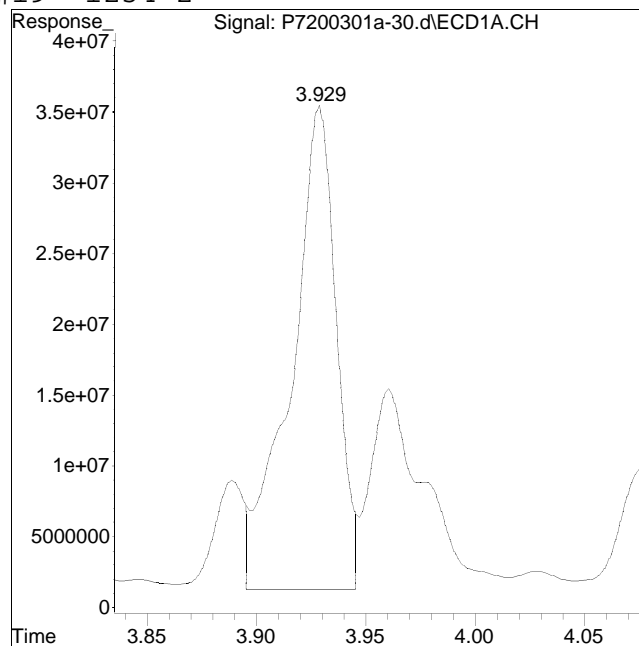
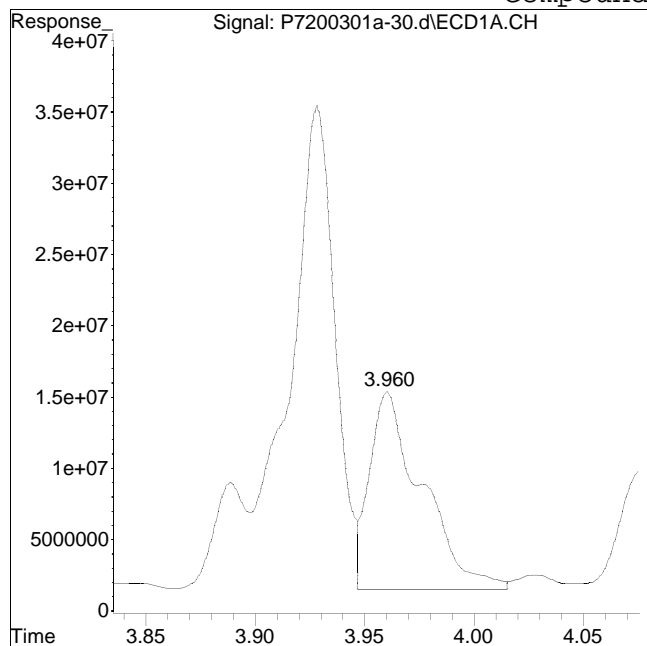
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Date Inj'd : 3/1/2020 10:47 pm
Sample : 12008805-02d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #19: 1254-2



Original Peak Response = 233021783

Manual Peak Response = 488668417 M3

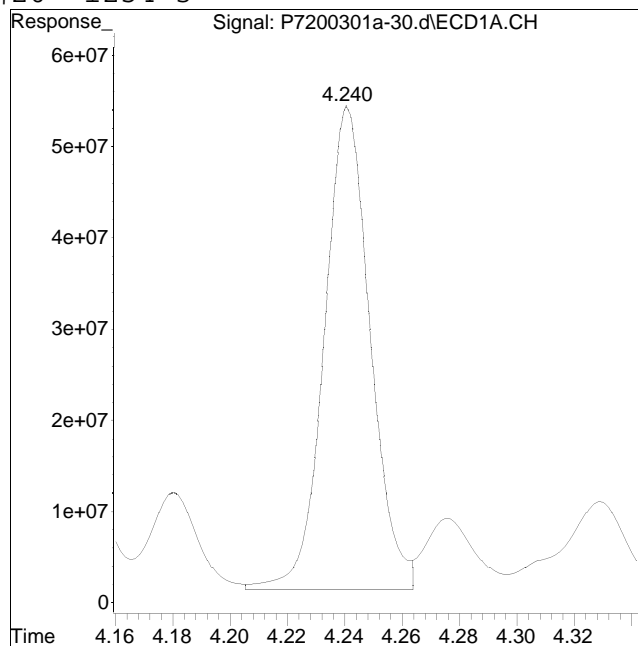
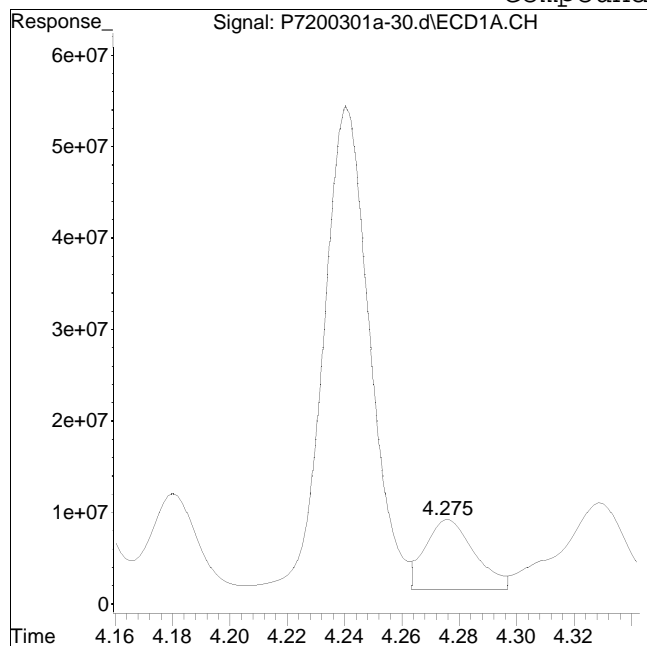
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Date Inj'd : 3/1/2020 10:47 pm
Sample : 12008805-02d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #20: 1254-3



Original Peak Response = 92336802

Manual Peak Response = 588767080 M3

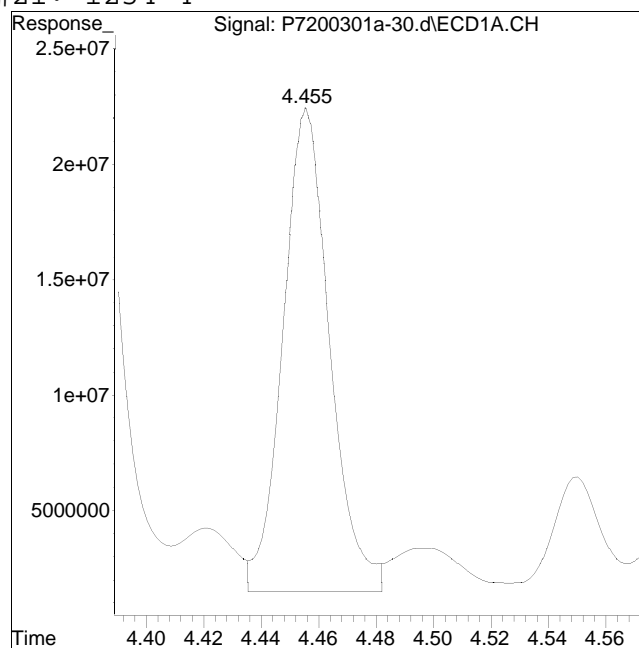
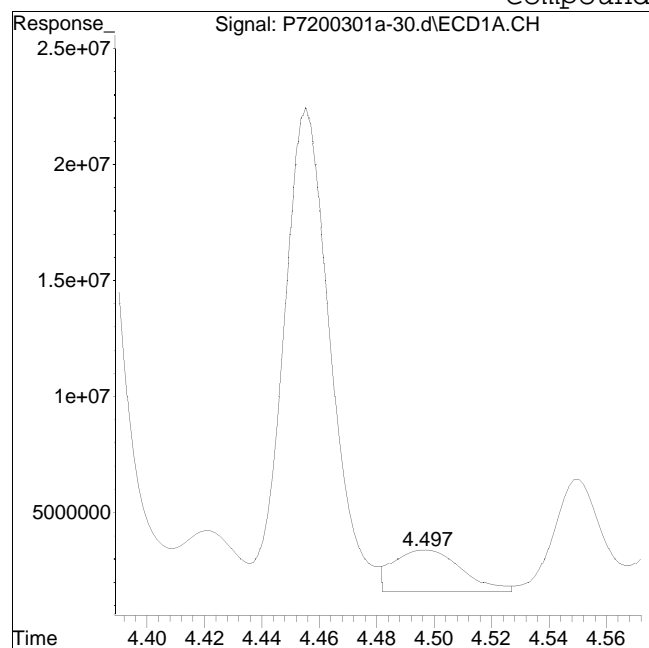
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-30.d
Date Inj'd : 3/1/2020 10:47 pm
Sample : 12008805-02d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #21: 1254-4



Original Peak Response = 29802156

Manual Peak Response = 236726836 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-31.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:59 pm
 Operator : pest7:cw
 Sample : l2008805-04d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:51:26 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.891	1.939	484.1E6	396.9E6	250.000	250.000
Standard Area 1 : #1 = 453929813					Recovery =	106.65%
Standard Area 1 : #2 = 353397607					Recovery =	112.31%
14) i 2154_1br2nb	1.891	1.939	484.1E6	396.9E6	250.000	250.000
23) i 4268_1br2nb	1.891	1.939	484.1E6	396.9E6	250.000	250.000
34) i 1248_1br2nb	1.891	1.939	484.1E6	396.9E6	250.000	250.000
40) i 3262_1br2nb	1.891	1.939	484.1E6	396.9E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.317	2.455	112.8E6	89335341	47.375	46.524
Spiked Amount 500.000	Range 30 - 150			Recovery =	9.47%#	9.30%#
3) s Decachlorobi	6.215	6.625	91016175	82162173	57.562	71.194M4
Spiked Amount 500.000	Range 30 - 150			Recovery =	11.51%#	14.24%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.383	4.777f	407.4E6	332.3E6	3509.764	3842.658
10) l2 1260-2	4.595	4.934f	720.7E6	421.8E6	4146.964	4237.618
11) l2 1260-3	5.065	5.459f	447.8E6	354.7E6	4226.640	4382.812
12) l2 1260-4	5.284	0.000	1013.6E6	0	4286.892	N.D. d
13) l2 1260-5	5.481	5.877f	777.3E6	611.2E6	4783.007M1	5237.266
Sum 1260-1			3366.8E6	1720.0E6	20953.266	17700.355
Average 1260-1					4190.653	4425.089

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-31.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:59 pm
 Operator : pest7:cw
 Sample : l2008805-04d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:51:26 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-31.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:59 pm
 Operator : pest7:cw
 Sample : l2008805-04d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:51:26 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

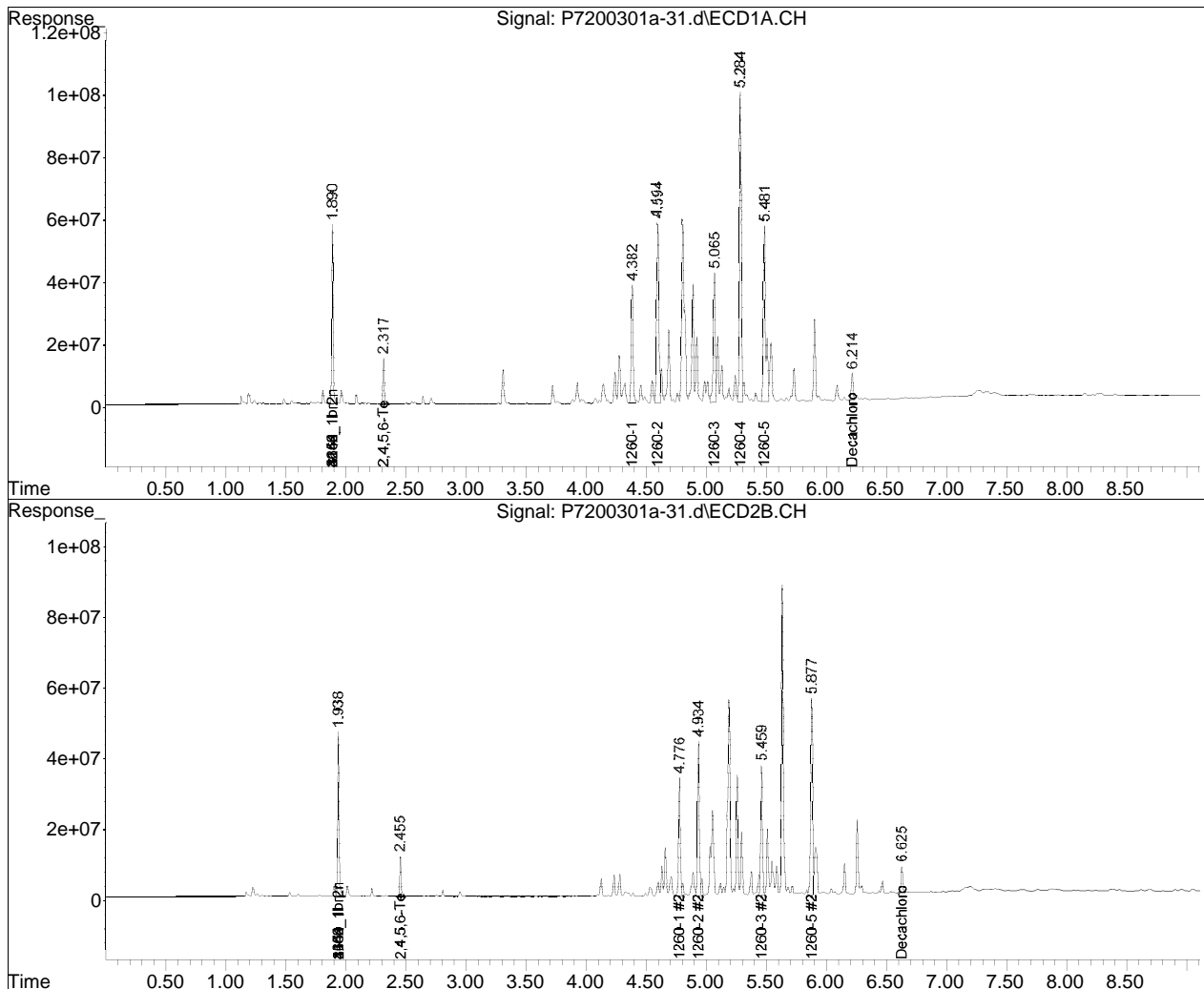
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Mar 2020 10:59 pm
Operator : pest7:cw
Sample : l2008805-04d,42e,5,
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 16:51:26 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

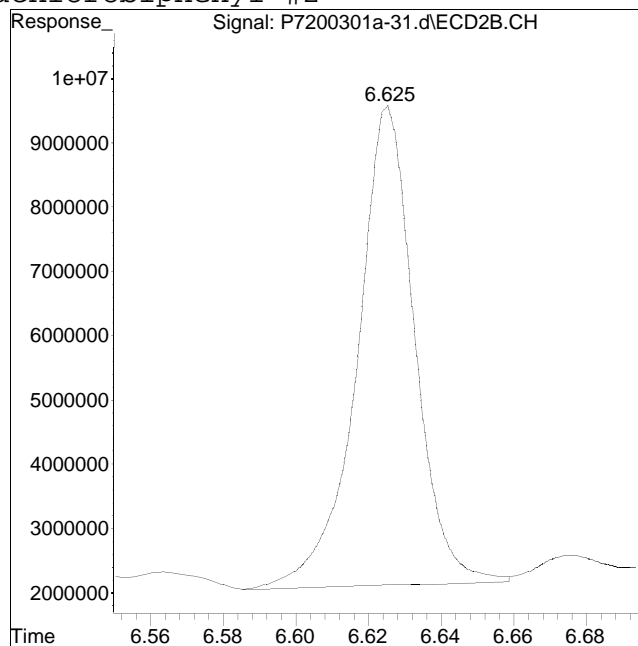
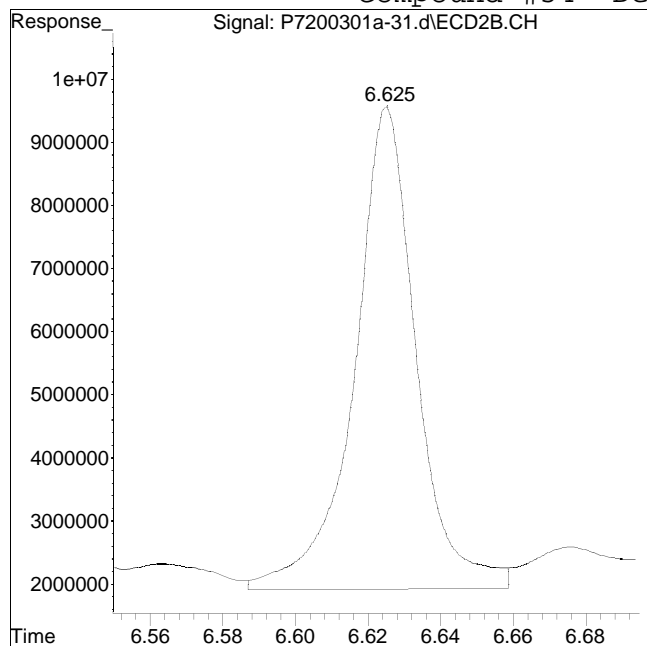


Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-31.d
Date Inj'd : 3/1/2020 10:59 pm
Sample : 12008805-04d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 90528299

Manual Peak Response = 82162173 M4

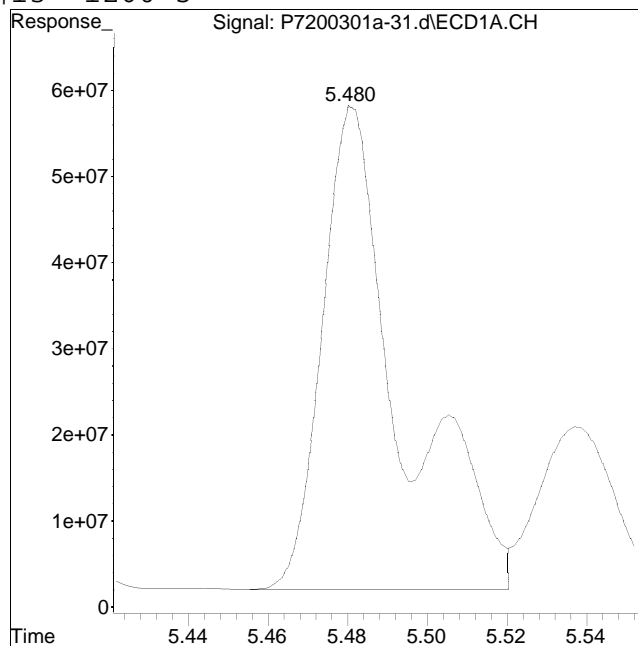
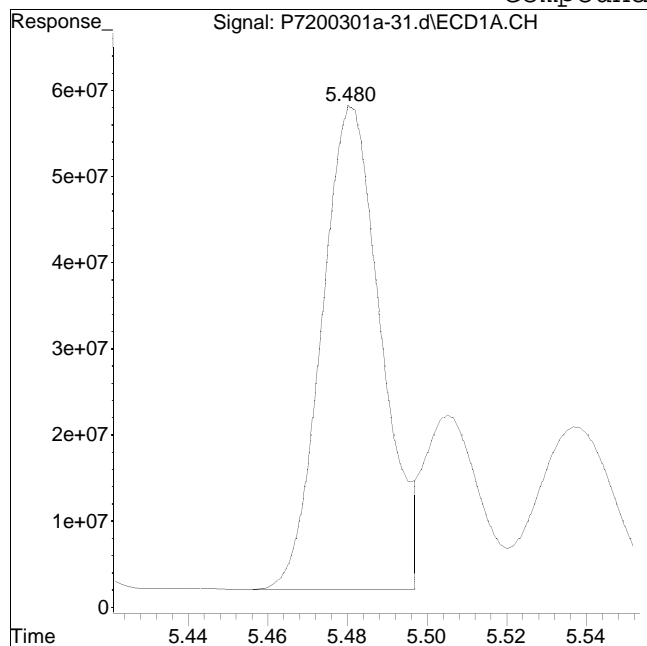
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-31.d
Date Inj'd : 3/1/2020 10:59 pm
Sample : 12008805-04d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #13: 1260-5



Original Peak Response = 571437349

Manual Peak Response = 777329929 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-32.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:11 pm
 Operator : pest7:cw
 Sample : l2008805-06d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:52:55 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.890	1.939	461.8E6	385.6E6	250.000	250.000
Standard Area 1 : #1 = 453929813					Recovery =	101.74%
Standard Area 1 : #2 = 353397607					Recovery =	109.11%
14) i 2154_1br2nb	1.890	1.939	461.8E6	385.6E6	250.000	250.000
23) i 4268_1br2nb	1.890	1.939	461.8E6	385.6E6	250.000	250.000
34) i 1248_1br2nb	1.890	1.939	461.8E6	385.6E6	250.000	250.000
40) i 3262_1br2nb	1.890	1.939	461.8E6	385.6E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.317	2.455	113.1E6	83961336	49.778	45.010M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	9.96%# 9.00%#
3) s Decachlorobi	6.213	6.624	88050129	69008140	58.375M4	61.554M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	11.68%# 12.31%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.383	4.777f	427.6E6	332.0E6	3862.438	3951.382
10) l2 1260-2	4.594	4.934f	660.1E6	425.3E6	3981.780	4398.504
11) l2 1260-3	5.065	5.459f	385.7E6	317.7E6	3816.342	4040.688
12) l2 1260-4	5.284	5.634f	830.0E6	709.8E6	3679.872	4368.801
13) l2 1260-5	5.480	5.878f	606.2E6	472.4E6	3910.456M1	4166.519
Sum 1260-1			2909.7E6	2257.1E6	19250.889	20925.894
Average 1260-1					3850.178	4185.179

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-32.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:11 pm
 Operator : pest7:cw
 Sample : l2008805-06d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:52:55 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16) 13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D. d
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-32.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:11 pm
 Operator : pest7:cw
 Sample : l2008805-06d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:52:55 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d	
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D. d	
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	
	Average 1248-1					0.000	0.000	
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d	
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D. d	
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d	
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d	
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D. d	
	Sum 1232-1			0	0	N.D.	N.D.	
	Average 1232-1					0.000	0.000	
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d	
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d	
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d	
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d	
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.	
	Average 1262-1					0.000	0.000	

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-32.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:11 pm
 Operator : pest7:cw
 Sample : l2008805-06d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:52:55 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

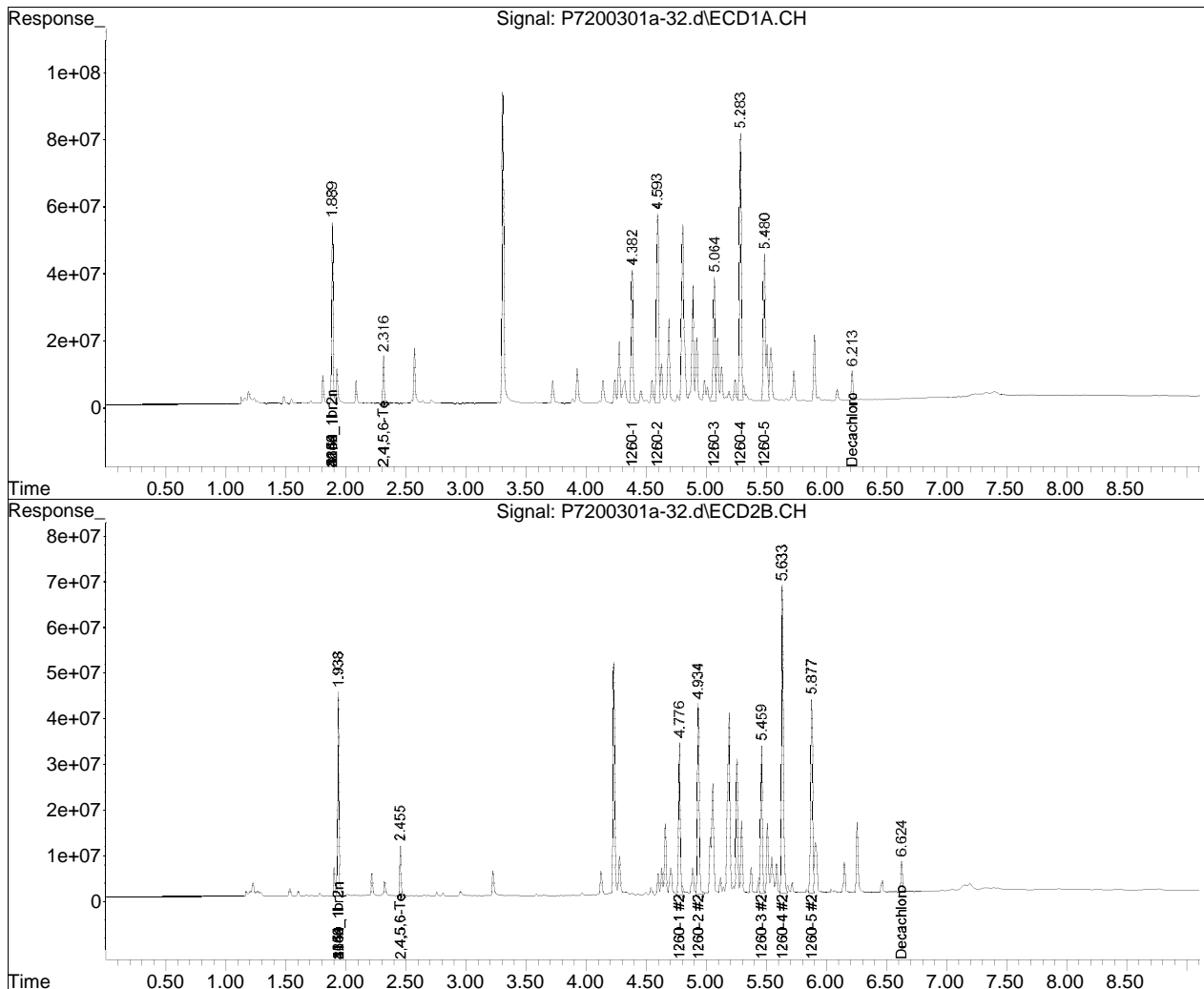
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Mar 2020 11:11 pm
Operator : pest7:cw
Sample : l2008805-06d,42e,5,
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 16:52:55 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

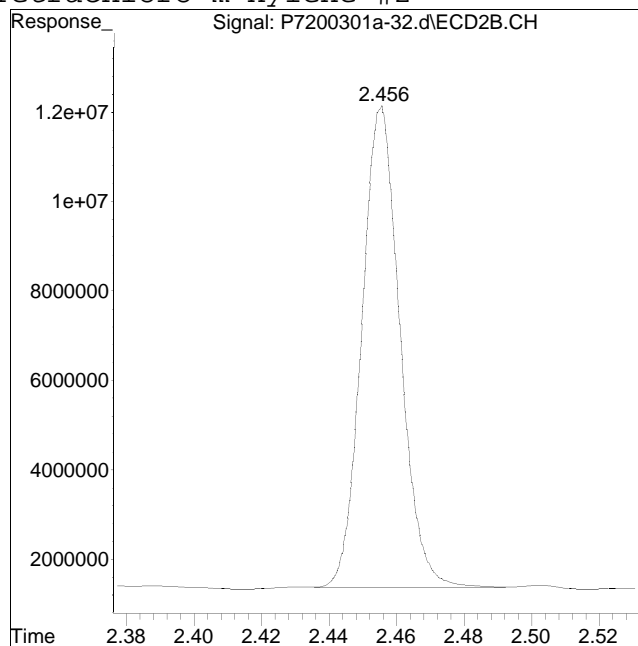
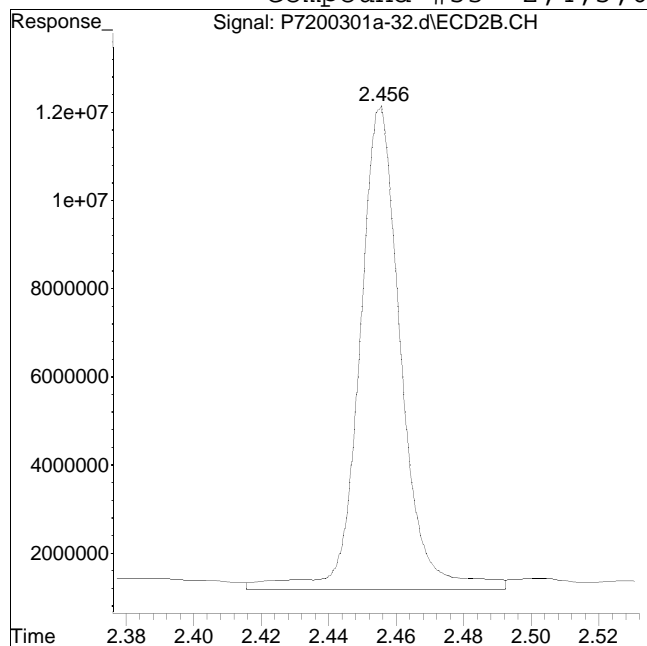


Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-32.d
Date Inj'd : 3/1/2020 11:11 pm
Sample : 12008805-06d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 93713766

Manual Peak Response = 83961336 M4

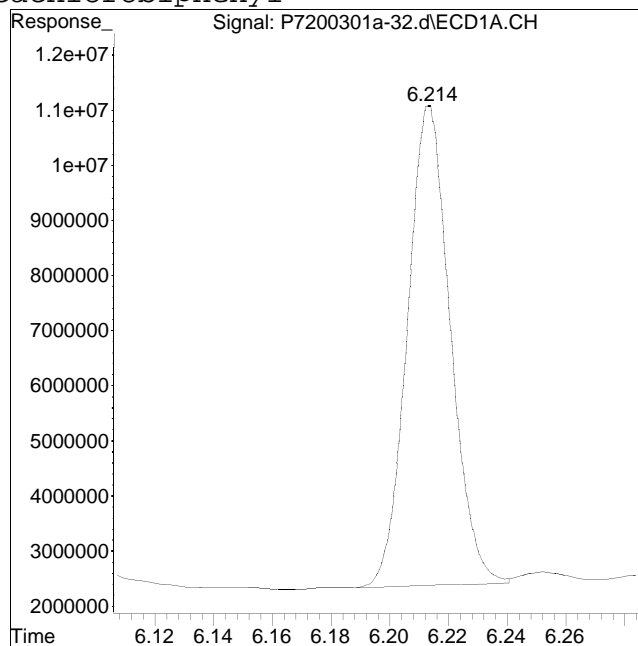
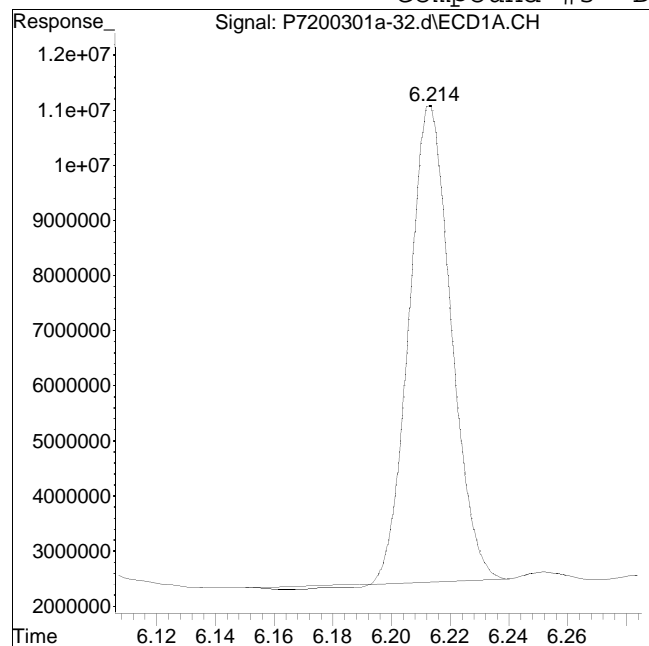
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-32.d
Date Inj'd : 3/1/2020 11:11 pm
Sample : 12008805-06d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 84972482

Manual Peak Response = 88050129 M4

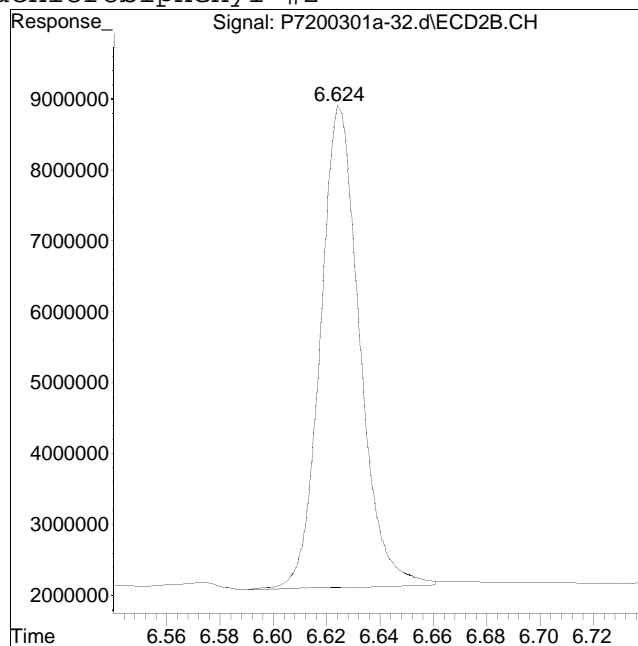
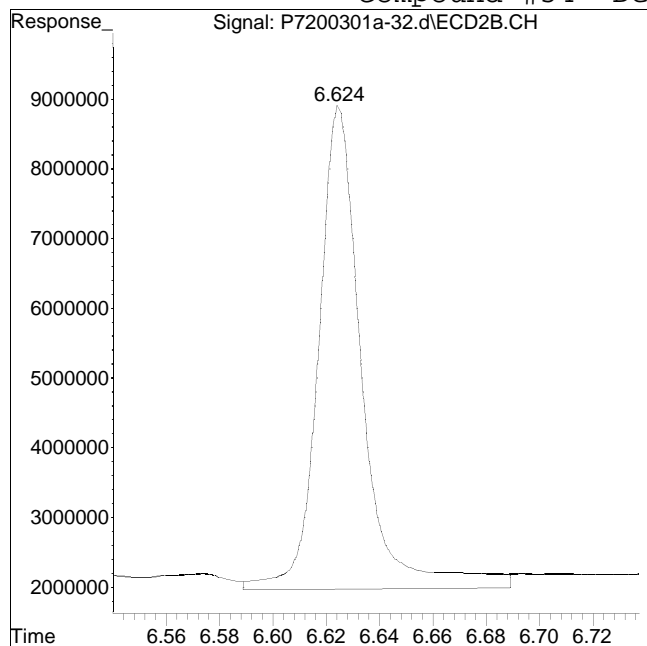
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-32.d
Date Inj'd : 3/1/2020 11:11 pm
Sample : 12008805-06d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 79001462

Manual Peak Response = 69008140 M4

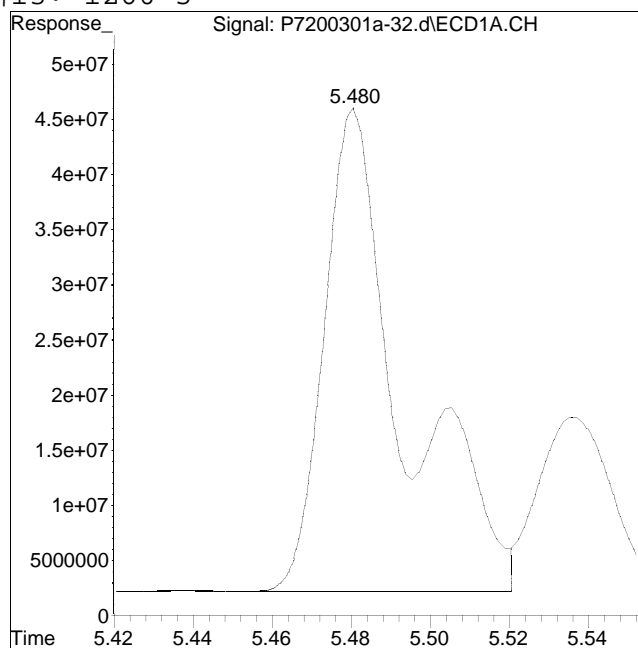
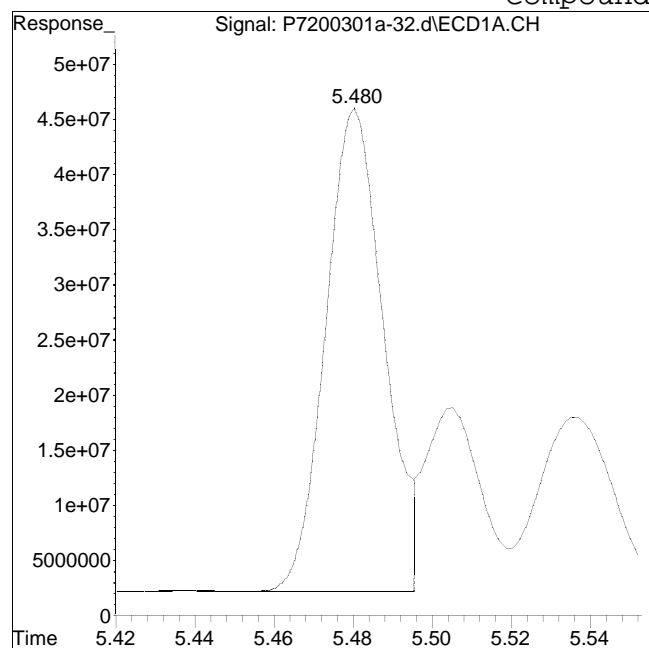
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-32.d
Date Inj'd : 3/1/2020 11:11 pm
Sample : 12008805-06d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #13: 1260-5



Original Peak Response = 442876639

Manual Peak Response = 606243897 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-33.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:23 pm
 Operator : pest7:cw
 Sample : l2008805-15d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:55:23 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.890	1.939	511.0E6	416.6E6	250.000M4	250.000M4
Standard Area 1 : #1 = 453929813					Recovery = 112.57%	
Standard Area 1 : #2 = 353397607					Recovery = 117.88%	
14) i 2154_1br2nb	1.890	1.939	511.0E6	416.6E6	250.000M4	250.000M4
23) i 4268_1br2nb	1.890	1.939	511.0E6	416.6E6	250.000M4	250.000M4
34) i 1248_1br2nb	1.890	1.939	511.0E6	416.6E6	250.000M4	250.000M4
40) i 3262_1br2nb	1.890	1.939	511.0E6	416.6E6	250.000M4	250.000M4
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.317	2.455	169.0E6	129.1E6	67.203	64.054M4
Spiked Amount 500.000	Range 30 - 150			Recovery = 13.44%#		12.81%#
3) s Decachlorobi	6.213	6.625	106.0E6	80386330	63.497M4	66.368M4
Spiked Amount 500.000	Range 30 - 150			Recovery = 12.70%#		13.27%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.382	4.776f	398.3E6	305.3E6	3251.480	3363.657
10) l2 1260-2	4.594	4.934f	626.9E6	407.6E6	3417.652	3901.272

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-33.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:23 pm
 Operator : pest7:cw
 Sample : l2008805-15d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:55:23 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) 12	1260-3	5.064	5.459f	391.3E6	305.9E6	3498.922M4	3601.236
12) 12	1260-4	5.283	5.634f	853.3E6	696.6E6	3418.999M4	3968.812
13) 12	1260-5	5.480	5.877f	620.9E6	470.0E6	3619.202M1	3836.906
	Sum 1260-1			2890.7E6	2185.3E6	17206.257	18671.882
	Average 1260-1					3441.251	3734.376
15) 13	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) 13	1221-3	0.000	0.000	0	0	N.D.	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18) 14	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) 14	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) 14	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D.
26) 16	1242-3	0.000	0.000	0	0	N.D.	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D.	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-33.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:23 pm
 Operator : pest7:cw
 Sample : l2008805-15d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:55:23 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35) 17	1248-1	0.000	0.000	0	0	N.D.	N.D. d
36) 17	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17	1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41) 15	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15	1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15	1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15	1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46) 18	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-33.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:23 pm
 Operator : pest7:cw
 Sample : l2008805-15d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:55:23 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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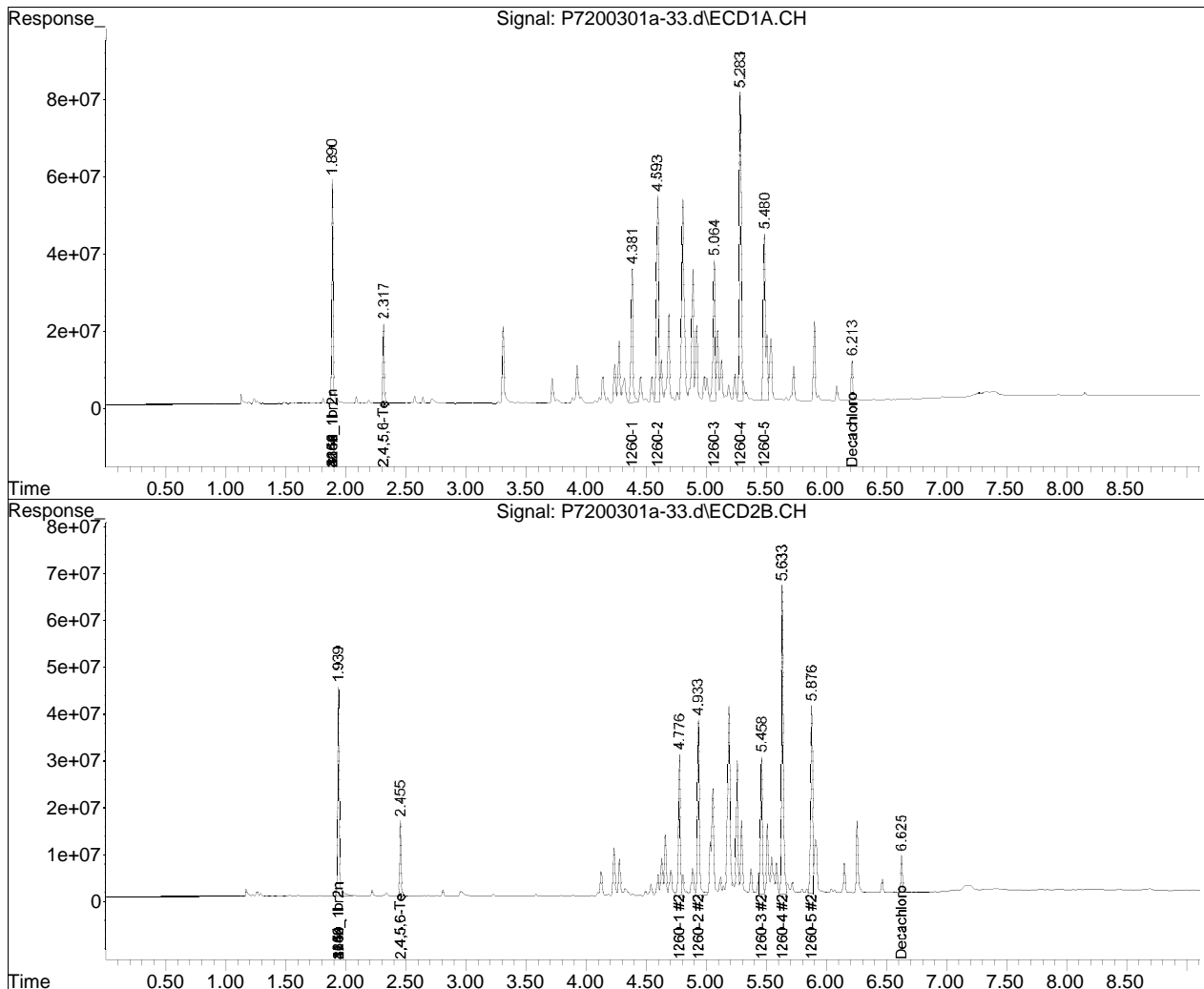
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-33.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Mar 2020 11:23 pm
Operator : pest7:cw
Sample : l2008805-15d,42e,5,
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 16:55:23 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

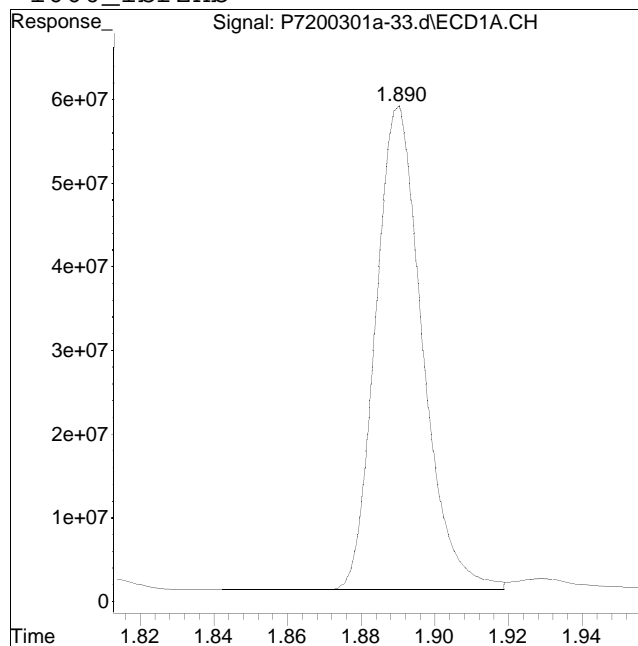
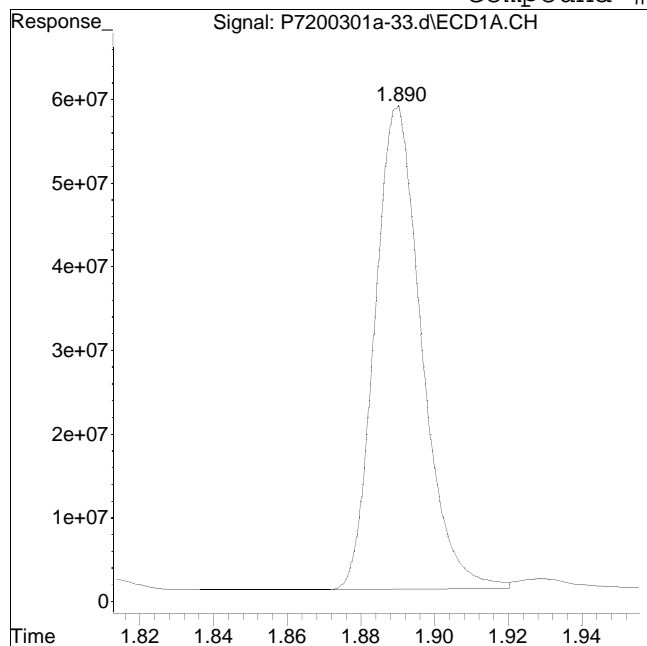


Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-33.d
Date Inj'd : 3/1/2020 11:23 pm
Sample : 12008805-15d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #1: 1660_1br2nb



Original Peak Response = 506382659

Manual Peak Response = 511005740 M4

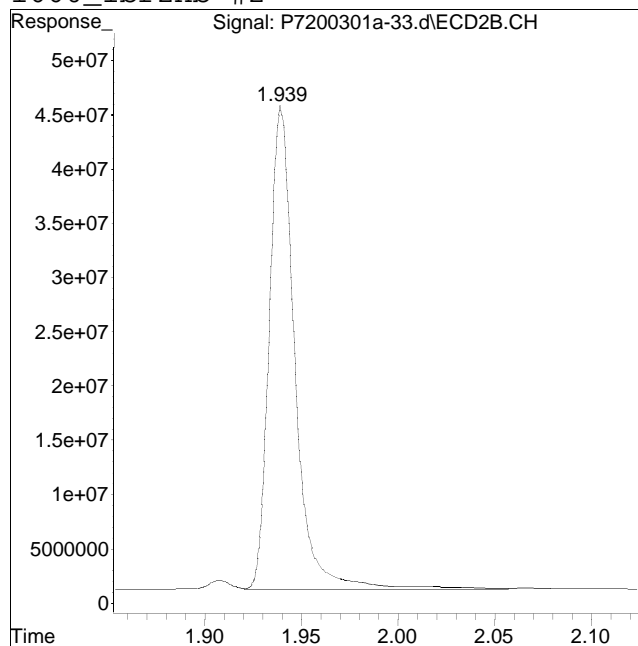
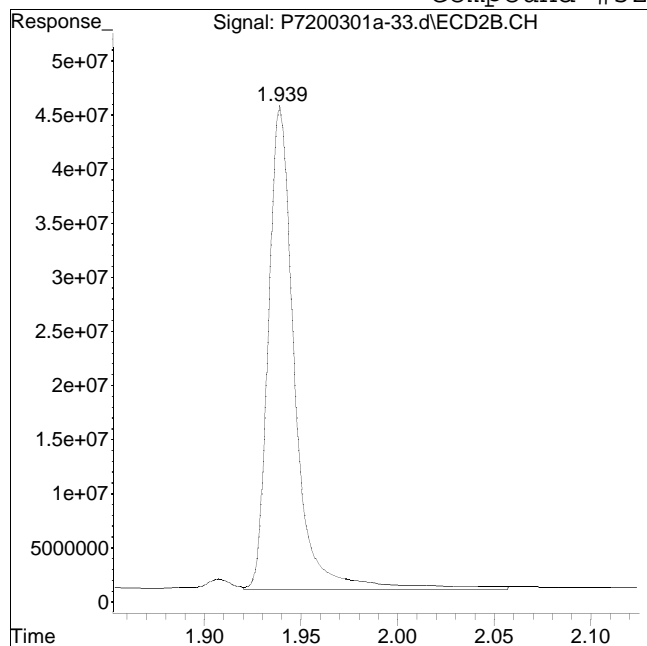
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-33.d
Date Inj'd : 3/1/2020 11:23 pm
Sample : 12008805-15d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 426584197

Manual Peak Response = 416571287 M4

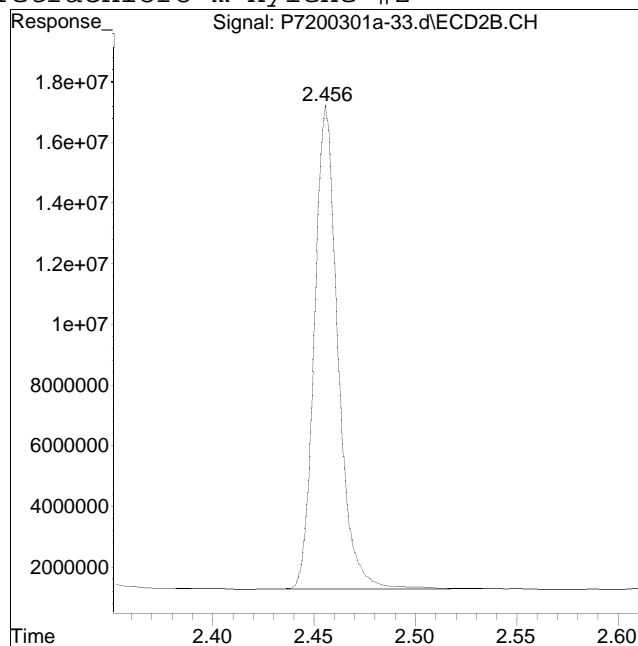
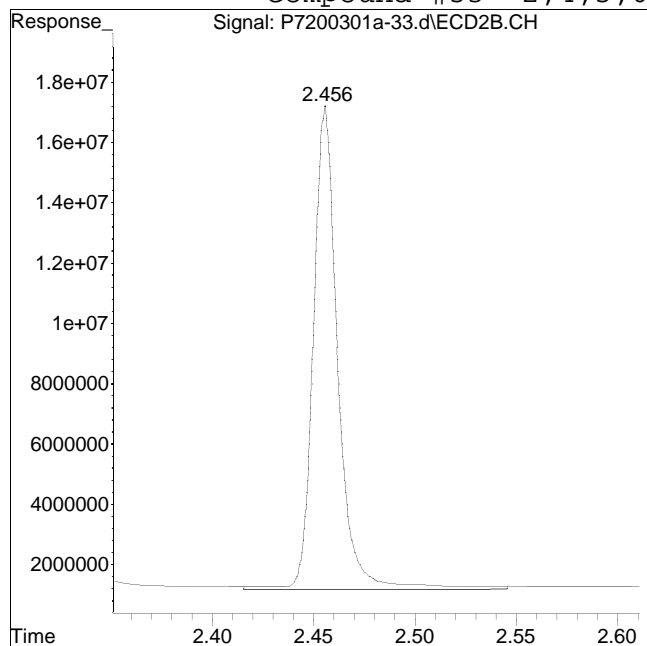
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-33.d
Date Inj'd : 3/1/2020 11:23 pm
Sample : 12008805-15d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 137225210

Manual Peak Response = 129090626 M4

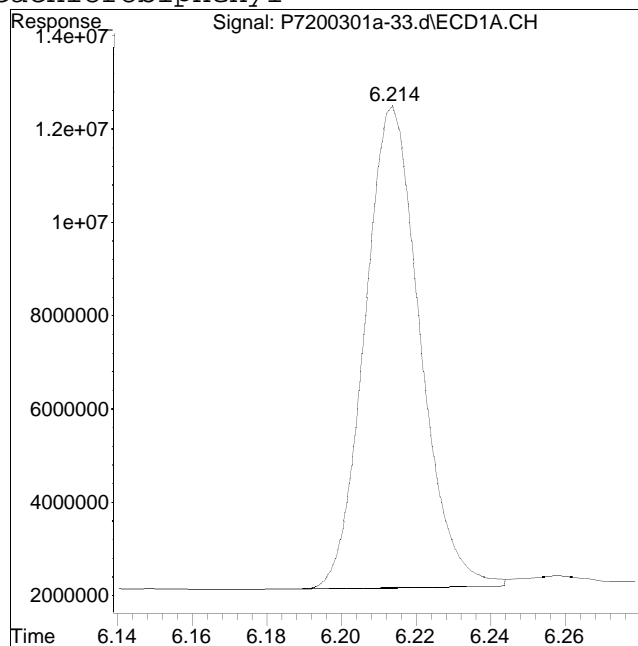
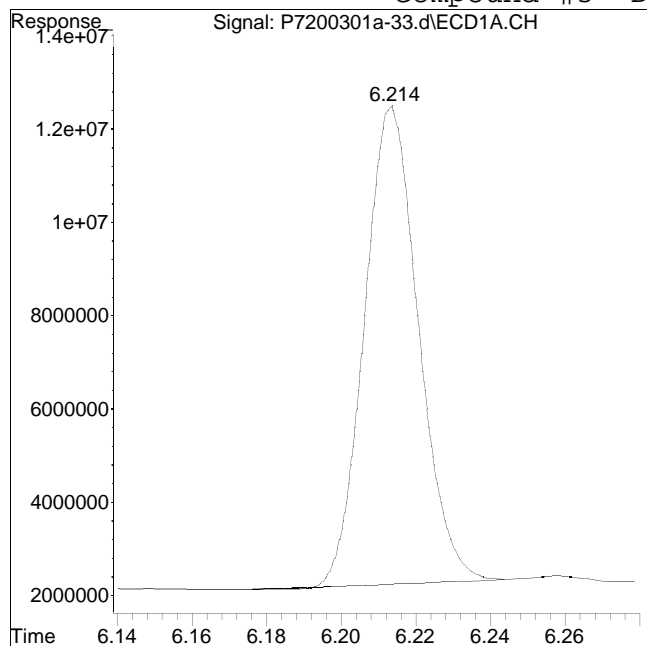
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-33.d
Date Inj'd : 3/1/2020 11:23 pm
Sample : 12008805-15d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 102748145

Manual Peak Response = 105976806 M4

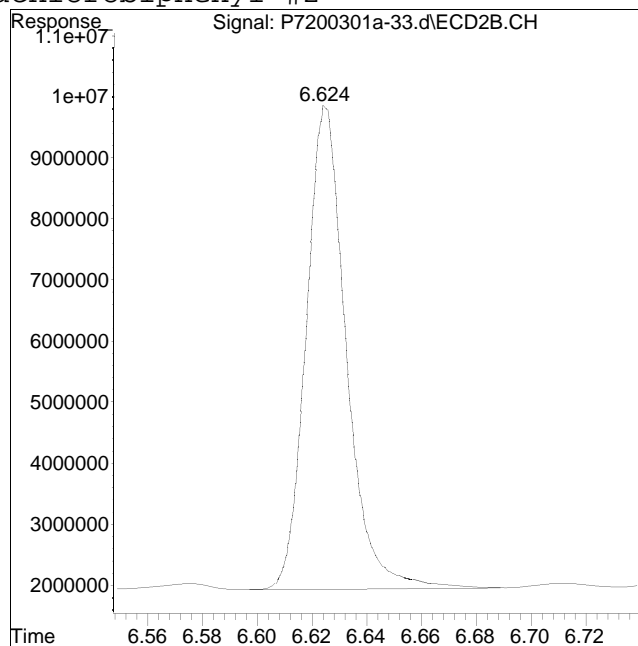
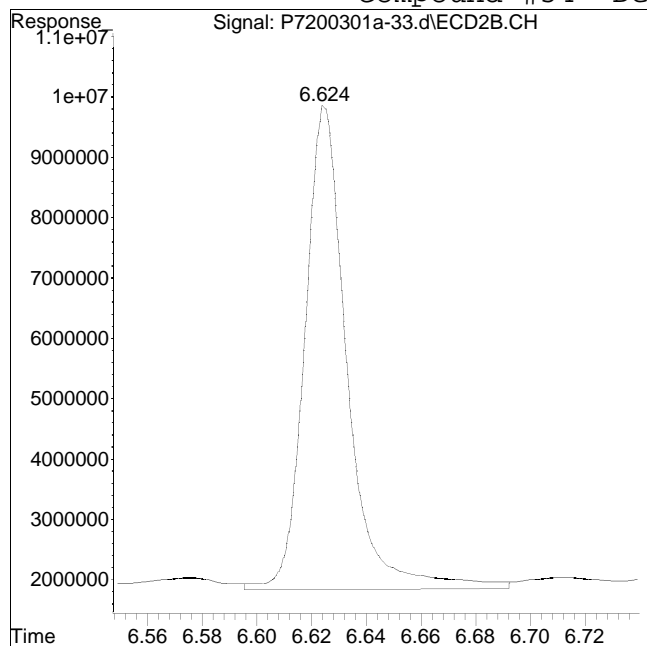
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-33.d
Date Inj'd : 3/1/2020 11:23 pm
Sample : 12008805-15d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 86210931

Manual Peak Response = 80386330 M4

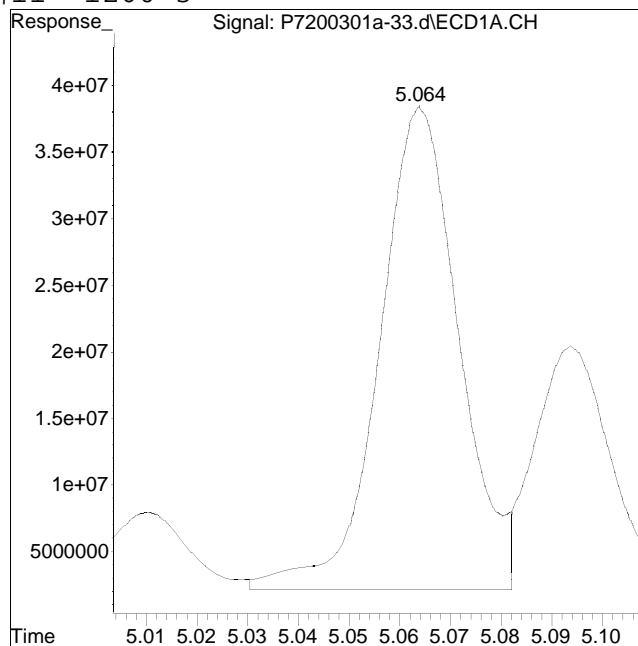
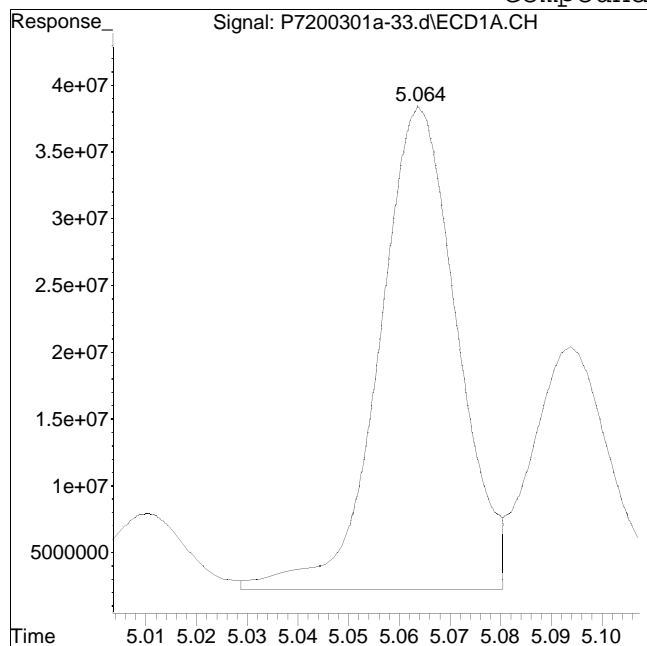
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-33.d
Date Inj'd : 3/1/2020 11:23 pm
Sample : 12008805-15d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #11: 1260-3



Original Peak Response = 386090883

Manual Peak Response = 391286421 M4

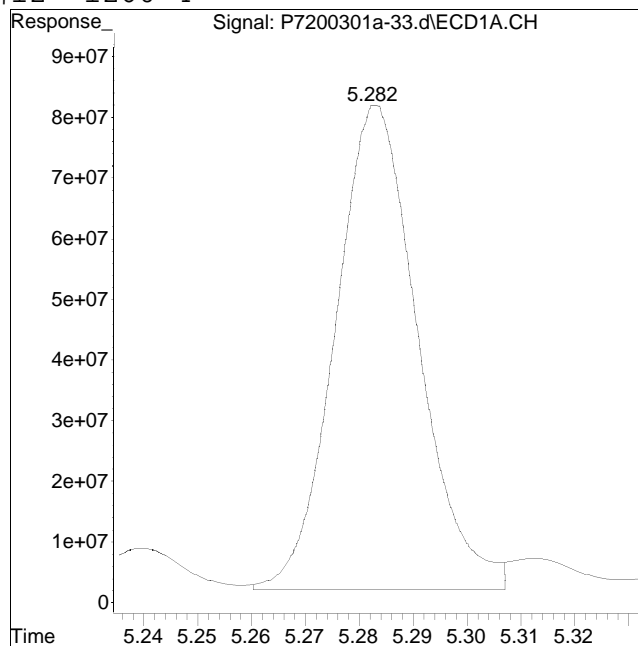
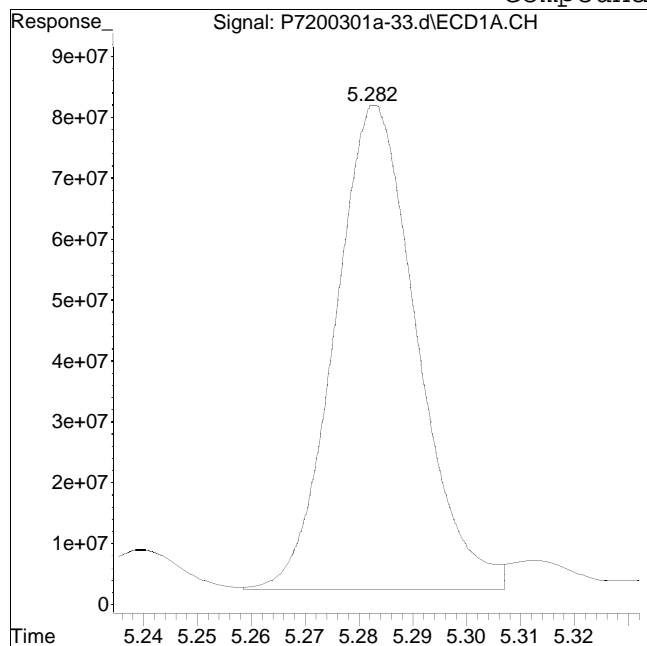
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-33.d
Date Inj'd : 3/1/2020 11:23 pm
Sample : 12008805-15d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #12: 1260-4



Original Peak Response = 838959687

Manual Peak Response = 853263137 M4

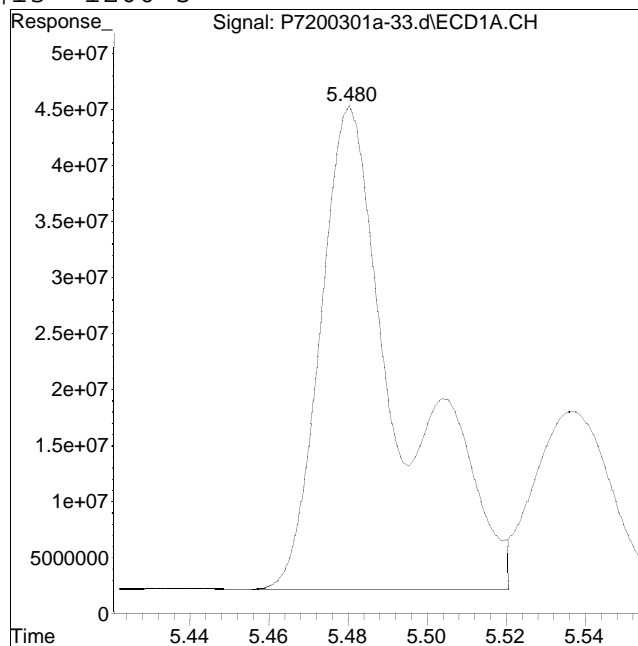
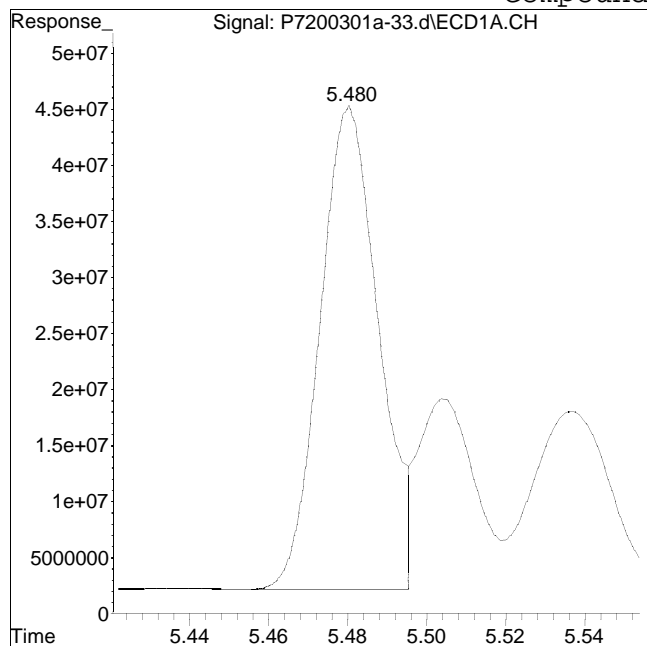
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-33.d
Date Inj'd : 3/1/2020 11:23 pm
Sample : 12008805-15d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #13: 1260-5



Original Peak Response = 441011087

Manual Peak Response = 620856322 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-34.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:36 pm
 Operator : pest7:cw
 Sample : l2008805-16d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:57:00 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.890	1.939	510.3E6	412.1E6	250.000	250.000
Standard Area 1 : #1 = 453929813					Recovery =	112.43%
Standard Area 1 : #2 = 353397607					Recovery =	116.60%
14) i 2154_1br2nb	1.890	1.939	510.3E6	412.1E6	250.000	250.000
23) i 4268_1br2nb	1.890	1.939	510.3E6	412.1E6	250.000	250.000
34) i 1248_1br2nb	1.890	1.939	510.3E6	412.1E6	250.000	250.000
40) i 3262_1br2nb	1.890	1.939	510.3E6	412.1E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.317	2.456	156.8E6	121.7E6	62.446	61.031
Spiked Amount 500.000	Range 30 - 150		Recovery =		12.49%#	12.21%#
3) s Decachlorobi	6.214	6.626	101.3E6	81080141	60.785	67.672
Spiked Amount 500.000	Range 30 - 150		Recovery =		12.16%#	13.53%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.383	4.777f	275.7E6	210.2E6	2253.791	2341.286
10) l2 1260-2	4.594	4.935f	459.4E6	302.3E6	2507.759	2925.021
11) l2 1260-3	5.065	5.460f	301.4E6	229.1E6	2699.152M4	2726.691
12) l2 1260-4	5.284	5.635f	684.9E6	566.8E6	2748.034M4	3264.297
13) l2 1260-5	5.481	5.878f	496.5E6	374.8E6	2897.877M1	3093.651
Sum 1260-1			2218.0E6	1683.2E6	13106.612	14350.946
Average 1260-1					2621.322	2870.189

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-34.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:36 pm
 Operator : pest7:cw
 Sample : l2008805-16d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:57:00 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-34.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:36 pm
 Operator : pest7:cw
 Sample : l2008805-16d,42e,5,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:57:00 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

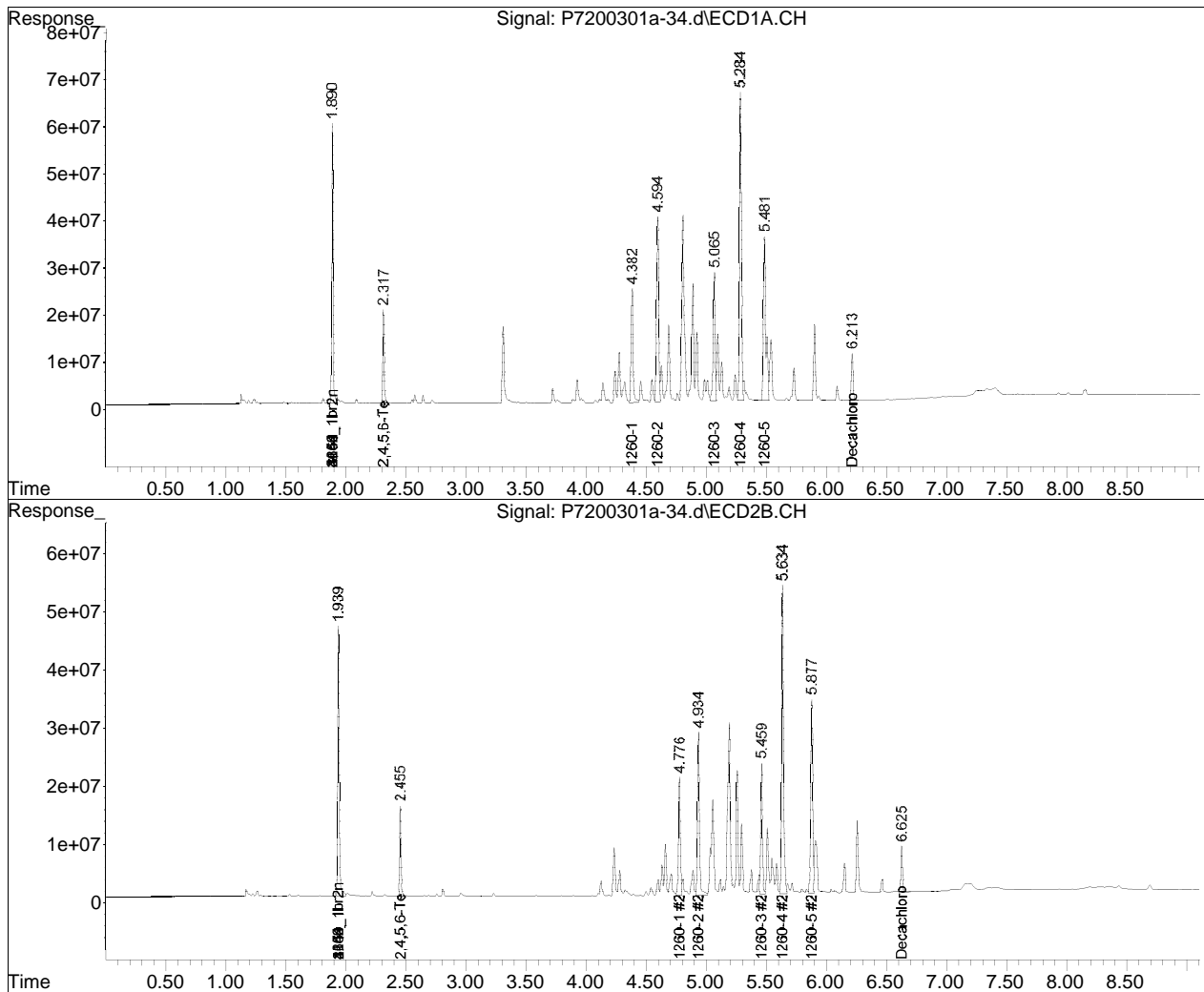
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-34.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Mar 2020 11:36 pm
Operator : pest7:cw
Sample : l2008805-16d,42e,5,
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 16:57:00 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

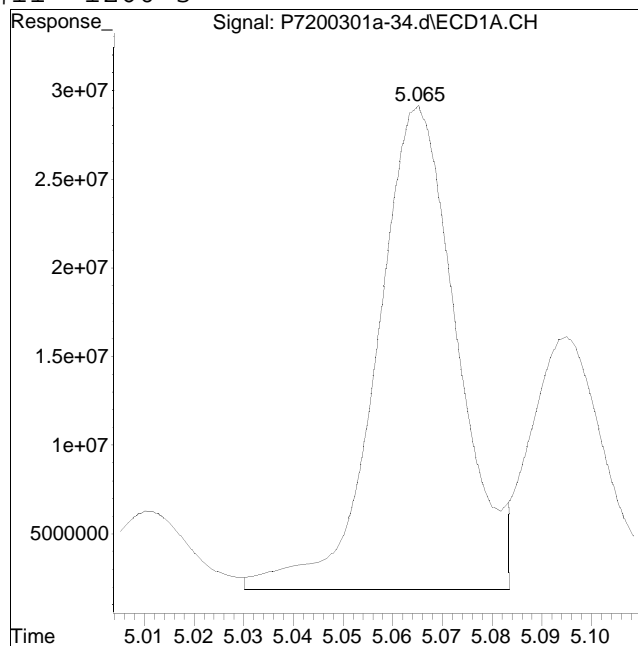
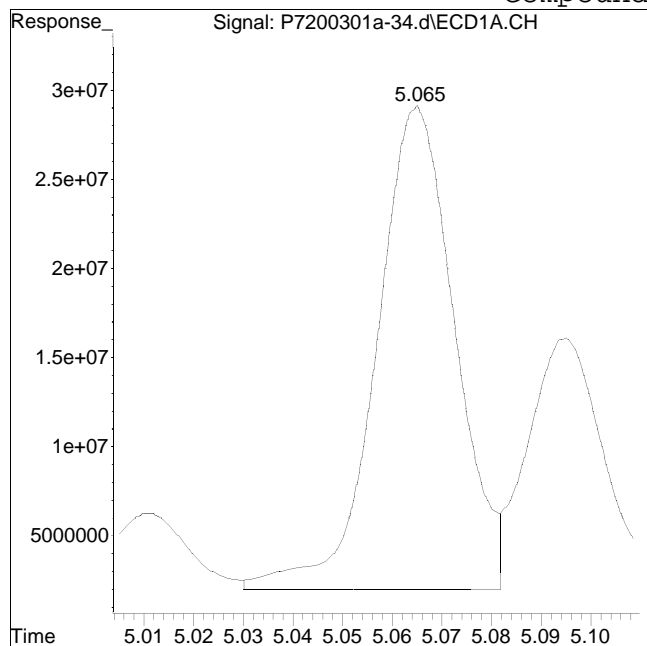


Manual Integration Report

Data Path : I:\Pest7\200301a\
Data File : P7200301a-34.d
Date Inj'd : 3/1/2020 11:36 pm
Sample : 12008805-16d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #11: 1260-3



Original Peak Response = 295806605

Manual Peak Response = 301449188 M4

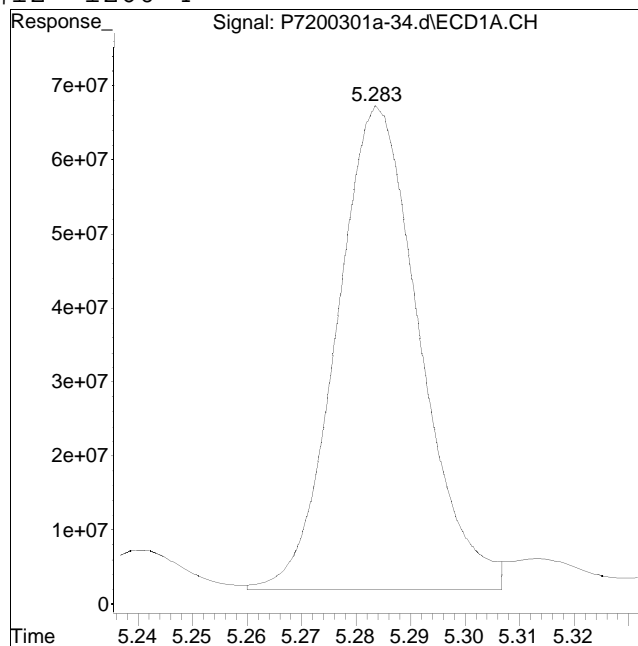
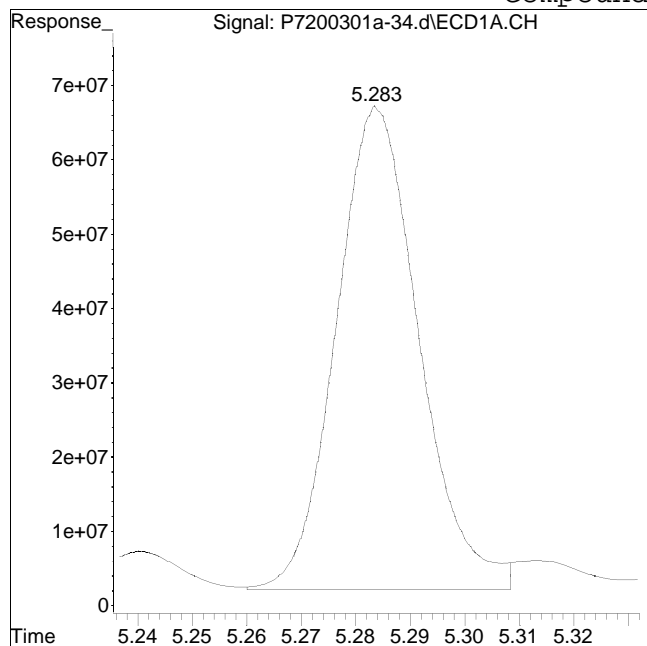
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-34.d
Date Inj'd : 3/1/2020 11:36 pm
Sample : 12008805-16d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #12: 1260-4



Original Peak Response = 682541999

Manual Peak Response = 684908352 M4

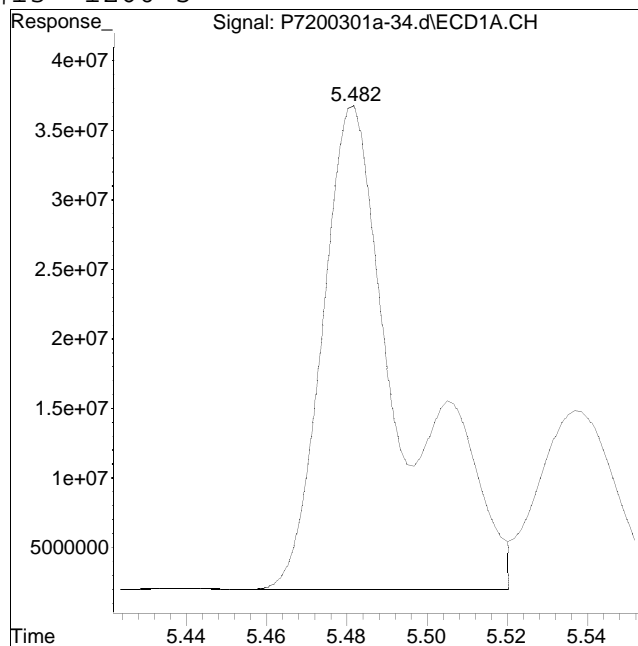
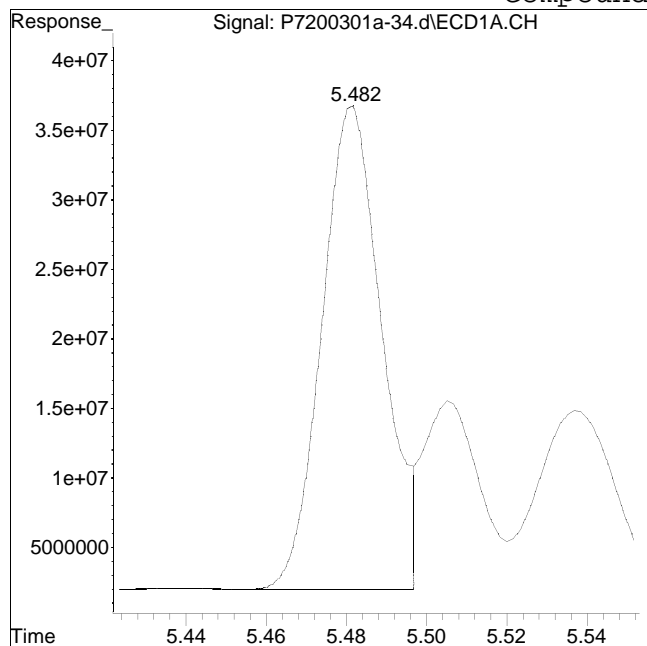
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-34.d
Date Inj'd : 3/1/2020 11:36 pm
Sample : 12008805-16d,42e,5,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #13: 1260-5



Original Peak Response = 358411868

Manual Peak Response = 496460257 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-35.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:48 pm
 Operator : pest7:cw
 Sample : l2008805-11d,42e,500,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:04:29 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.890	1.939	473.3E6	375.4E6	250.000M4	250.000
Standard Area 1 : #1 = 453929813					Recovery = 104.27%	
Standard Area 1 : #2 = 353397607					Recovery = 106.22%	
14) i 2154_1br2nb	1.890	1.939	473.3E6	375.4E6	250.000M4	250.000
23) i 4268_1br2nb	1.890	1.939	473.3E6	375.4E6	250.000M4	250.000
34) i 1248_1br2nb	1.890	1.939	473.3E6	375.4E6	250.000M4	250.000
40) i 3262_1br2nb	1.890	1.939	473.3E6	375.4E6	250.000M4	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery = 0.00%#			0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery = 0.00%#			0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	5.065	5.460f	447.6E6	342.9E6	4320.953	4480.489
12) l2 1260-4	5.285	5.635	940.9E6	786.7E6	4070.486	4973.958
13) l2 1260-5	5.482	5.878f	682.5E6	508.1E6	4295.523M1	4603.828
Sum 1260-1			2071.0E6	1637.8E6	12686.962	14058.275
Average 1260-1					4228.987	4686.092

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-35.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:48 pm
 Operator : pest7:cw
 Sample : l2008805-11d,42e,500,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:04:29 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	3.724f	4.128f	143.6E6	184.7E6	1747.387M3	2930.154
19)	14 1254-2	3.929f	4.280f	413.2E6	225.4E6	2859.656M3	3105.262
20)	14 1254-3	4.242f	4.631f	417.3E6	304.2E6	3015.648M3	2760.639M4
21)	14 1254-4	4.457f	4.805f	532.3E6	373.7E6	4874.712	5098.021M4
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			1506.5E6	1087.9E6	12497.403	13894.076
	Average 1254-1					3124.351	3473.519
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-35.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:48 pm
 Operator : pest7:cw
 Sample : l2008805-11d,42e,500,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:04:29 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-35.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 11:48 pm
 Operator : pest7:cw
 Sample : l2008805-11d,42e,500,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:04:29 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

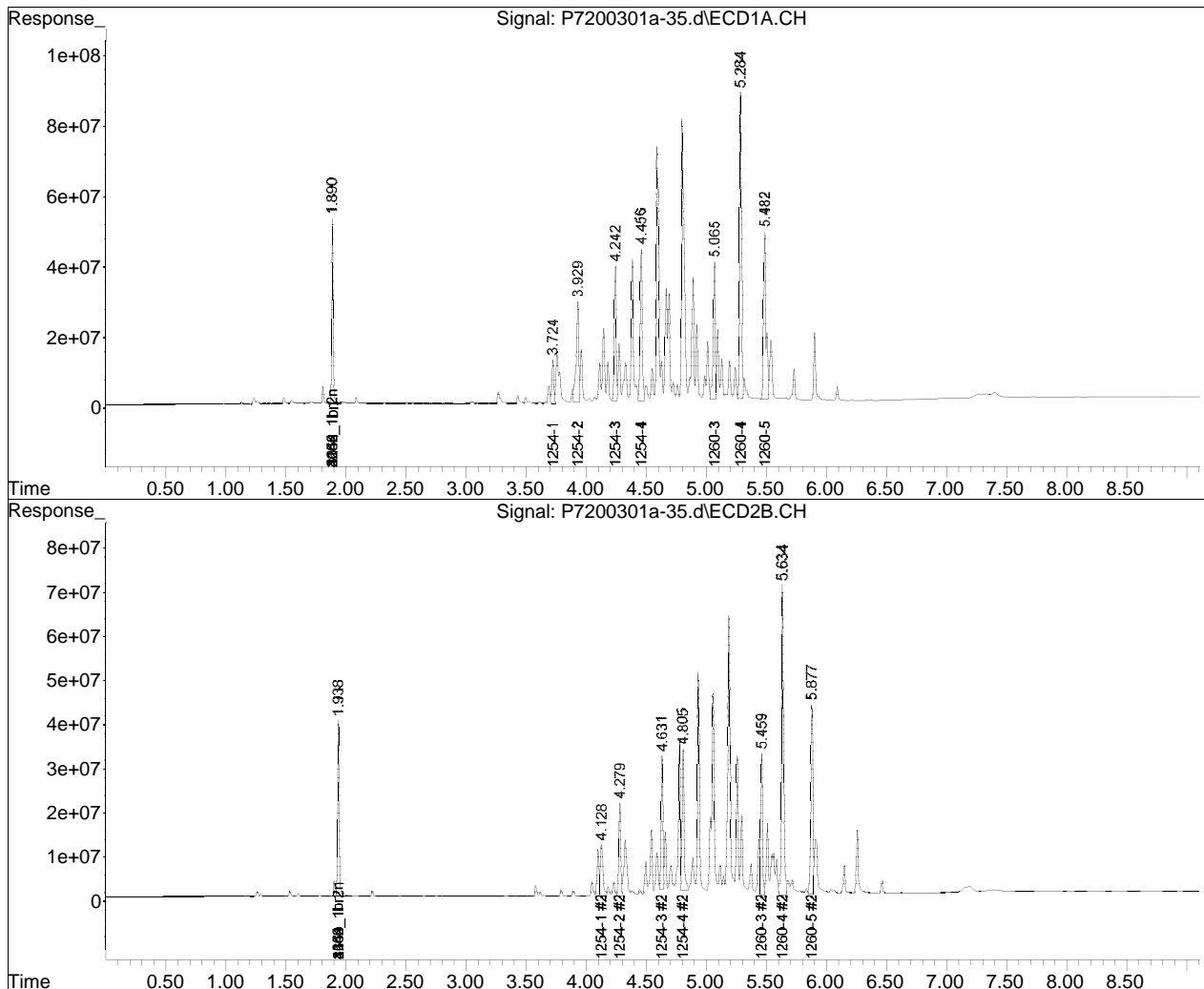
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-35.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Mar 2020 11:48 pm
Operator : pest7:cw
Sample : l2008805-11d,42e,500,
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 17:04:29 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

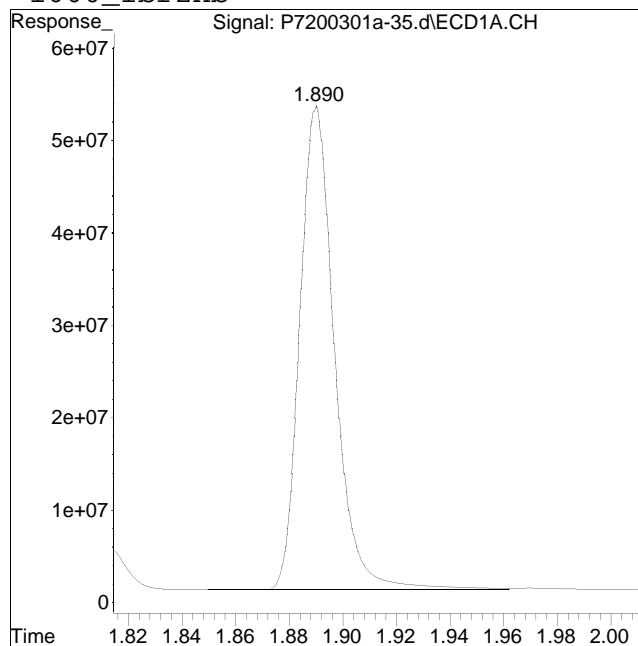
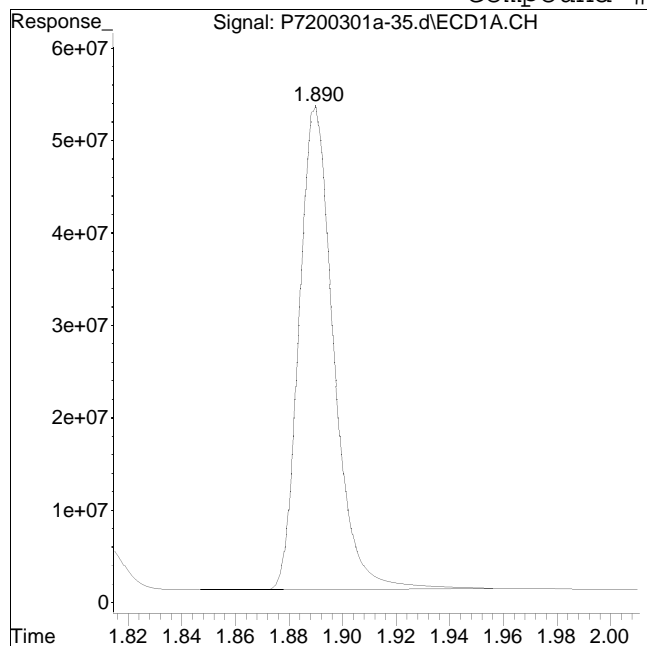


Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-35.d
Date Inj'd : 3/1/2020 11:48 pm
Sample : 12008805-11d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #1: 1660_1br2nb



Original Peak Response = 466769171

Manual Peak Response = 473317846 M4

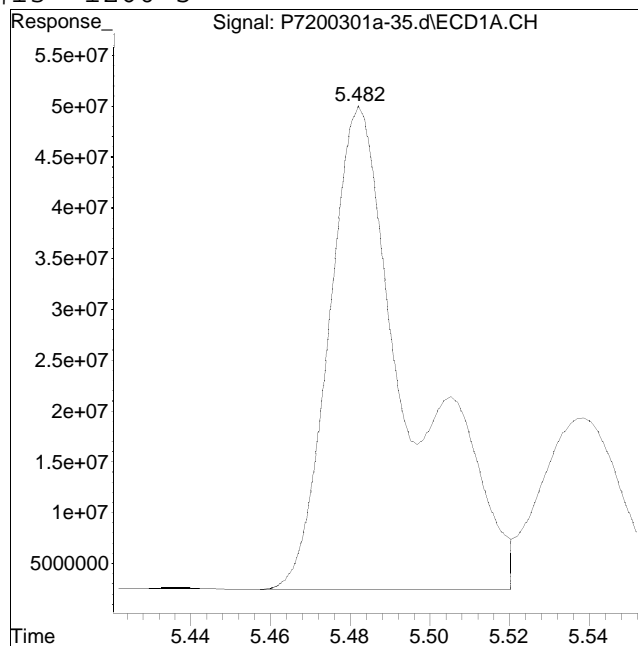
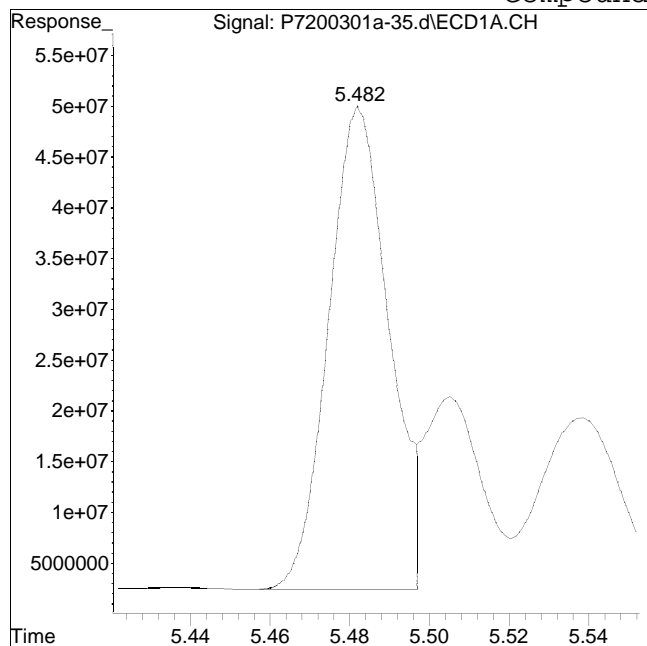
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-35.d
Date Inj'd : 3/1/2020 11:48 pm
Sample : 12008805-11d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #13: 1260-5



Original Peak Response = 498904710

Manual Peak Response = 682529356 M1

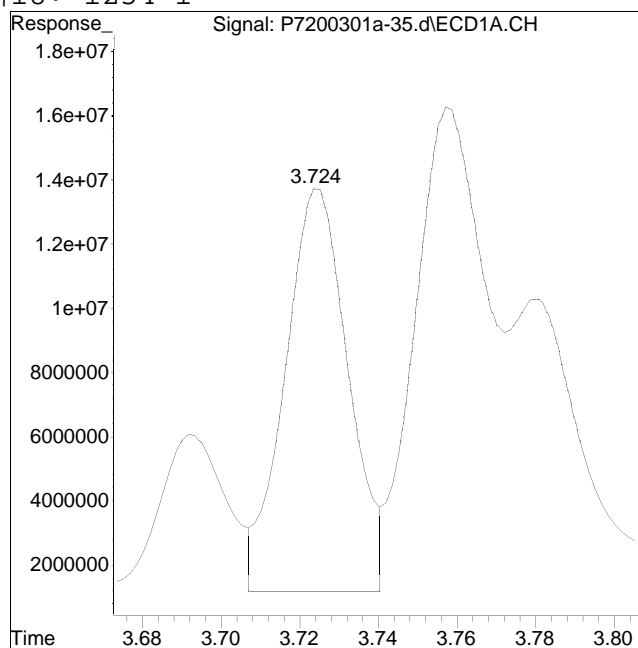
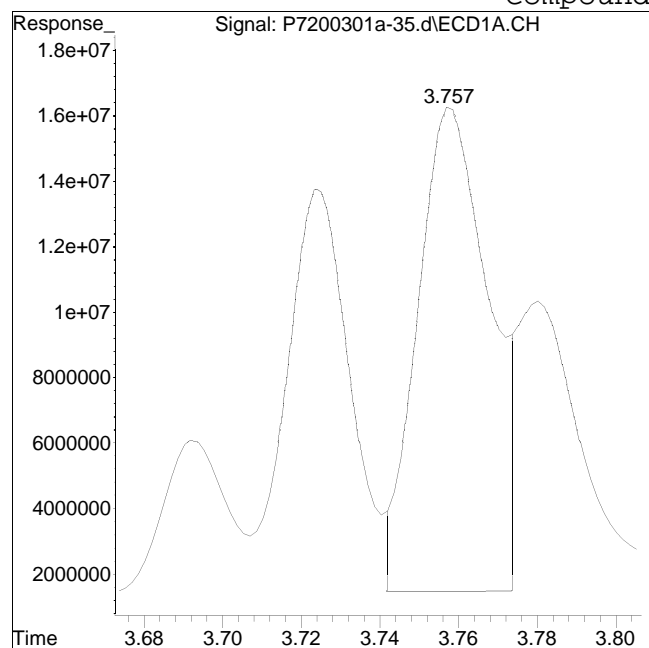
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-35.d
Date Inj'd : 3/1/2020 11:48 pm
Sample : 12008805-11d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #18: 1254-1



Original Peak Response = 181913572

Manual Peak Response = 143641058 M3

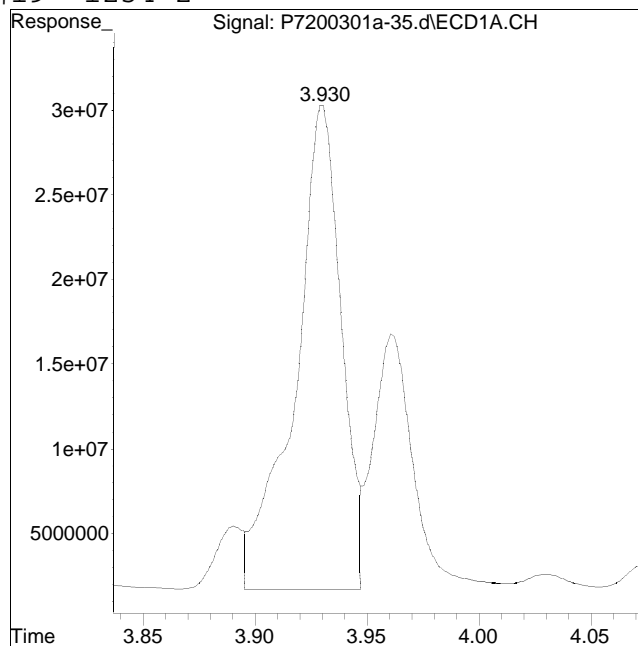
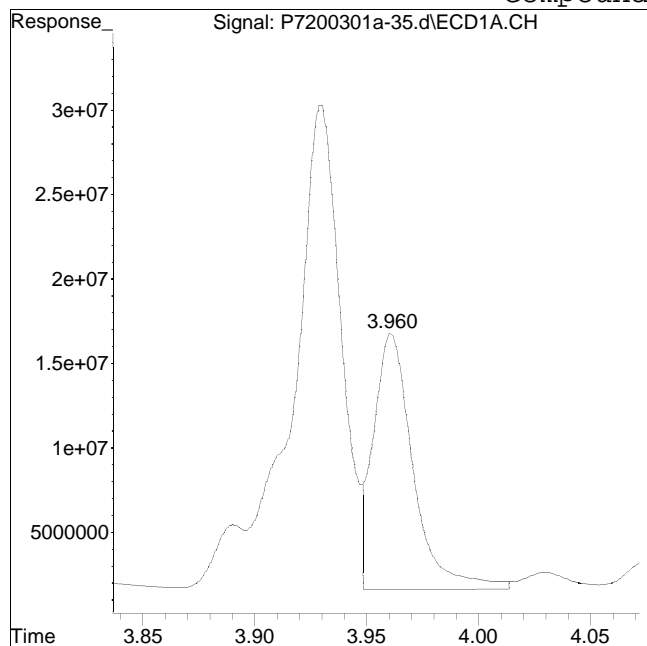
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-35.d
Date Inj'd : 3/1/2020 11:48 pm
Sample : 12008805-11d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #19: 1254-2



Original Peak Response = 190651306

Manual Peak Response = 413175771 M3

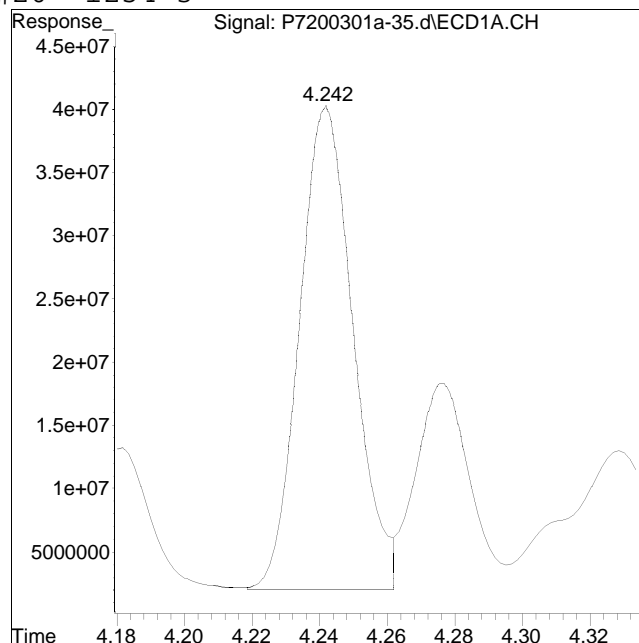
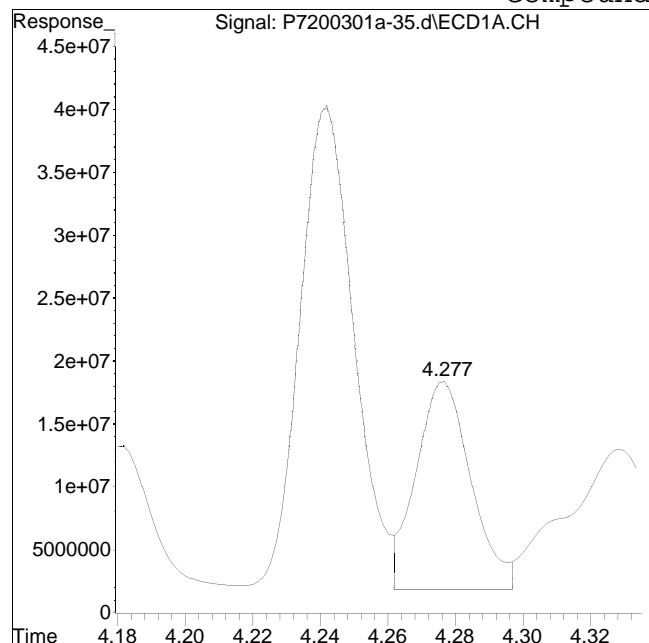
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-35.d
Date Inj'd : 3/1/2020 11:48 pm
Sample : 12008805-11d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #20: 1254-3



Original Peak Response = 186520829

Manual Peak Response = 417340837 M3

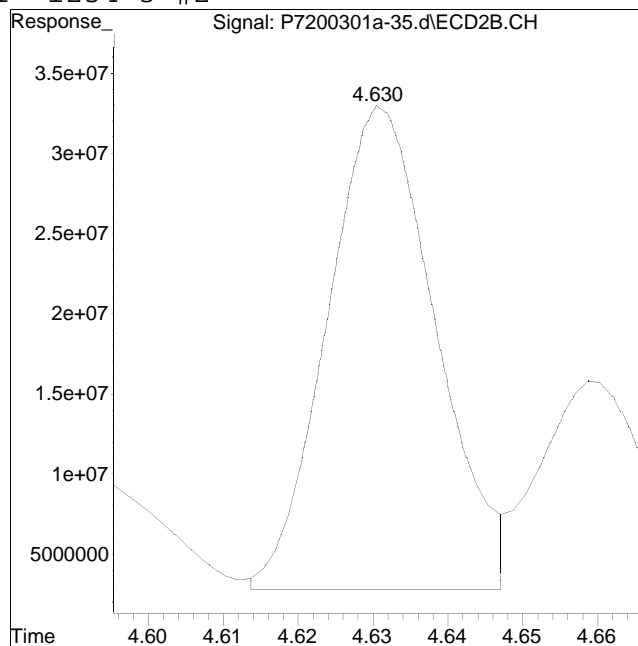
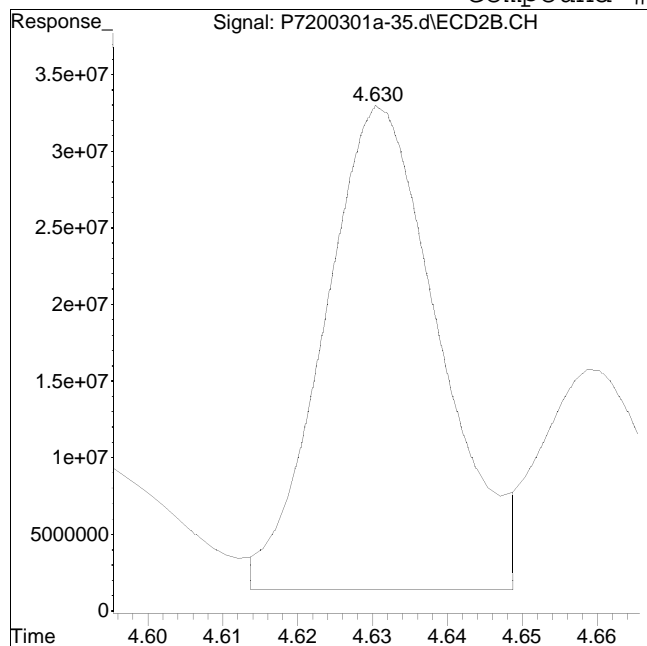
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-35.d
Date Inj'd : 3/1/2020 11:48 pm
Sample : 12008805-11d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #71: 1254-3 #2



Original Peak Response = 332535424

Manual Peak Response = 304162582 M4

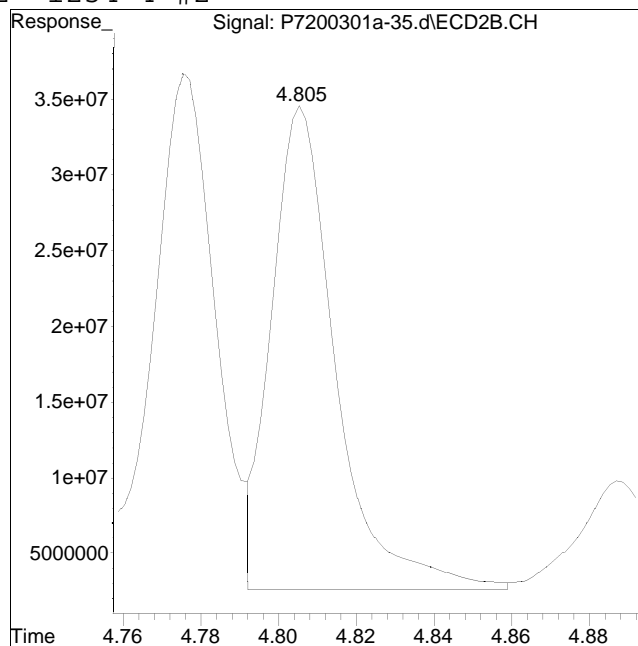
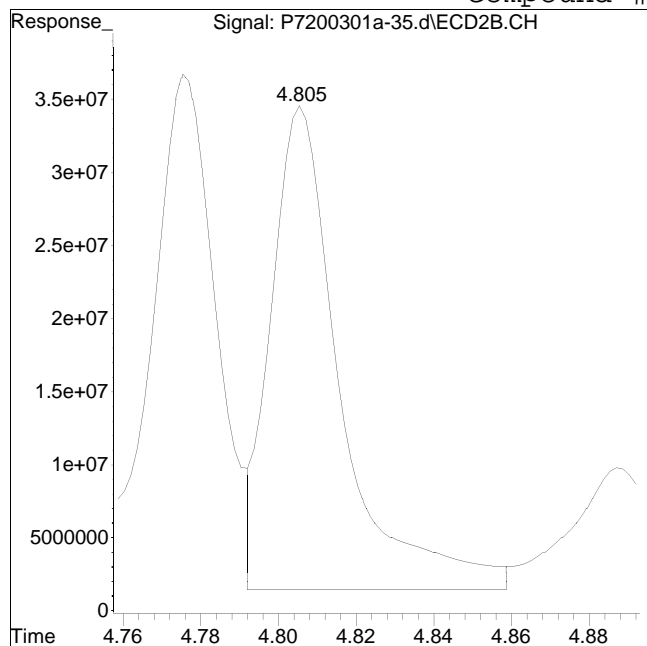
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-35.d
Date Inj'd : 3/1/2020 11:48 pm
Sample : 12008805-11d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #72: 1254-4 #2



Original Peak Response = 421302145

Manual Peak Response = 373682346 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-36.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 12:00 am
 Operator : pest7:cw
 Sample : l2008805-12d,42e,500,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:07:30 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.890	1.939	494.2E6	397.7E6	250.000	250.000
Standard Area 1 : #1 = 453929813					Recovery =	108.87%
Standard Area 1 : #2 = 353397607					Recovery =	112.54%
14) i 2154_1br2nb	1.890	1.939	494.2E6	397.7E6	250.000	250.000
23) i 4268_1br2nb	1.890	1.939	494.2E6	397.7E6	250.000	250.000
34) i 1248_1br2nb	1.890	1.939	494.2E6	397.7E6	250.000	250.000
40) i 3262_1br2nb	1.890	1.939	494.2E6	397.7E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	5.066	5.459f	309.0E6	226.1E6	2856.914	2787.585M4
12) l2 1260-4	5.285	5.635	655.4E6	532.9E6	2715.234M1	3180.067M4
13) l2 1260-5	5.483	5.878	497.8E6	346.0E6	3000.481M1	2958.414M4
Sum 1260-1			1462.2E6	1104.9E6	8572.629	8926.066

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-36.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 12:00 am
 Operator : pest7:cw
 Sample : l2008805-12d,42e,500,
 Misc : wgl345889,wgl345844,ical15997
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:07:30 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1						2857.543	2975.355
15) 13	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) 13	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) 13	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2						0.000	0.000
18) 14	1254-1	3.724f	4.129f	84781126	109.8E6	987.755M3	1644.508
19) 14	1254-2	3.930f	4.280f	252.2E6	133.6E6	1671.540M3	1736.934
20) 14	1254-3	4.242f	4.631f	269.2E6	177.1E6	1862.798M3	1516.930M4
21) 14	1254-4	4.457f	4.806f	353.1E6	232.4E6	3097.017	2992.507M4
22) 14	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			959.2E6	652.9E6	7619.111	7890.880
Average 1254-1						1904.778	1972.720
24) 16	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) 16	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) 16	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) 16	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1						0.000	0.000
29) 19	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) 19	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1						0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-36.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 12:00 am
 Operator : pest7:cw
 Sample : l2008805-12d,42e,500,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:07:30 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-36.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 12:00 am
 Operator : pest7:cw
 Sample : l2008805-12d,42e,500,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:07:30 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

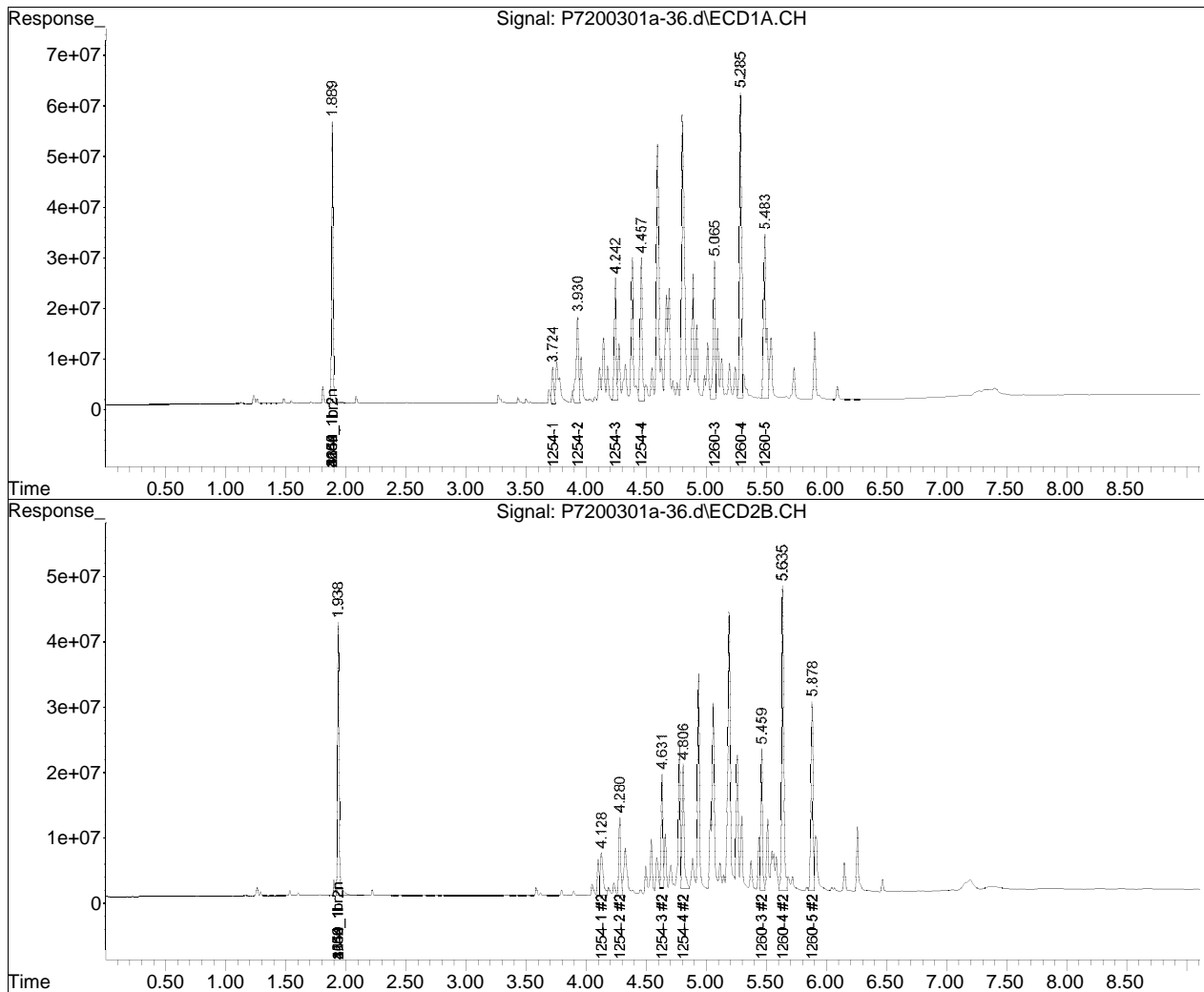
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-36.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 Mar 2020 12:00 am
Operator : pest7:cw
Sample : 12008805-12d,42e,500,
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 17:07:30 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

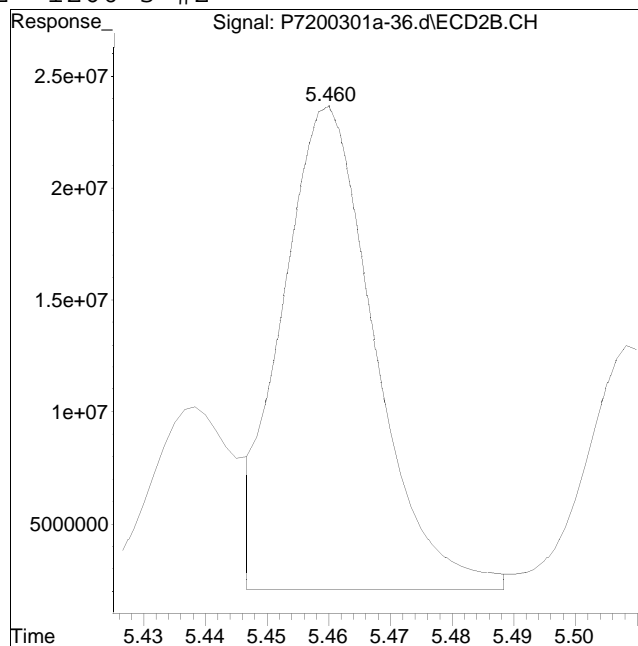
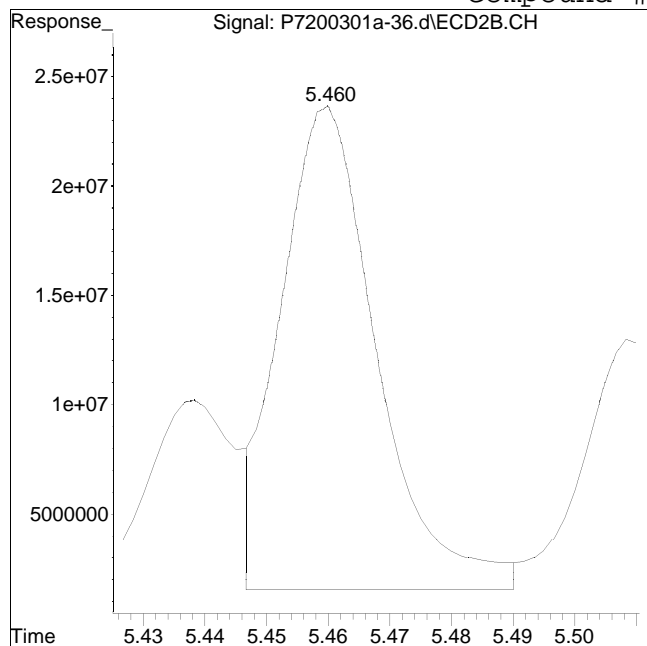


Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-36.d
Date Inj'd : 3/2/2020 12:00 am
Sample : 12008805-12d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #62: 1260-3 #2



Original Peak Response = 244094402

Manual Peak Response = 226051982 M4

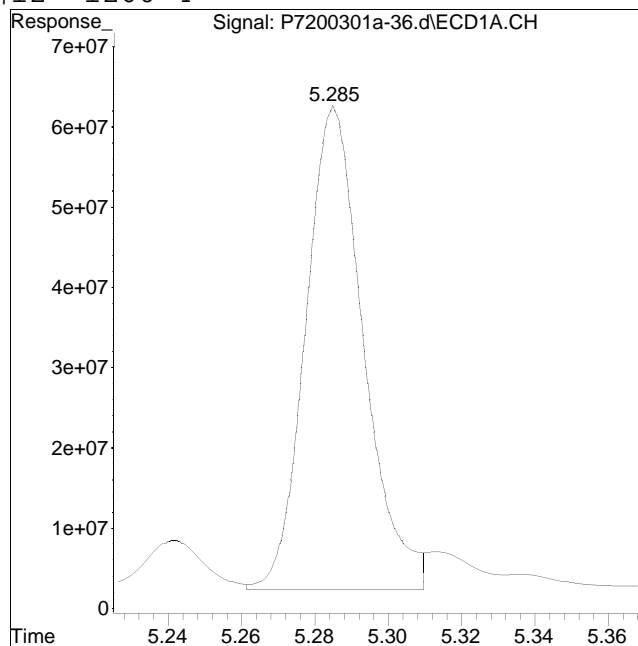
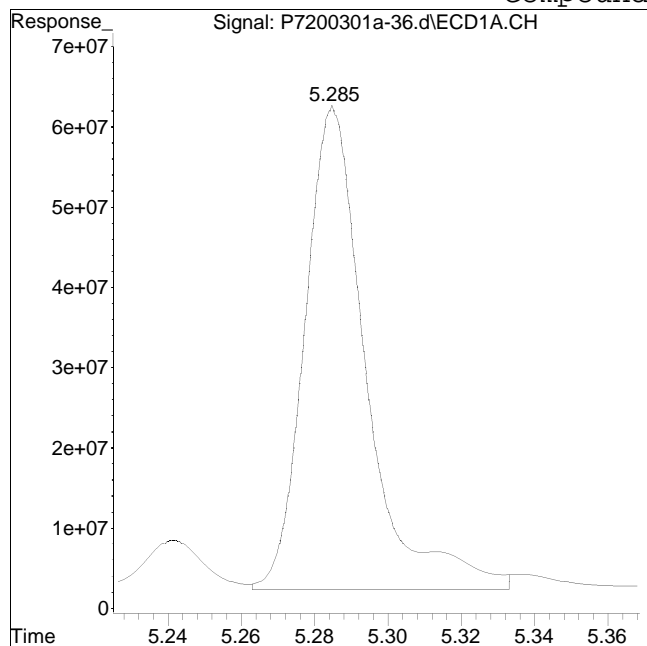
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-36.d
Date Inj'd : 3/2/2020 12:00 am
Sample : 12008805-12d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #12: 1260-4



Original Peak Response = 703032991

Manual Peak Response = 655358005 M1

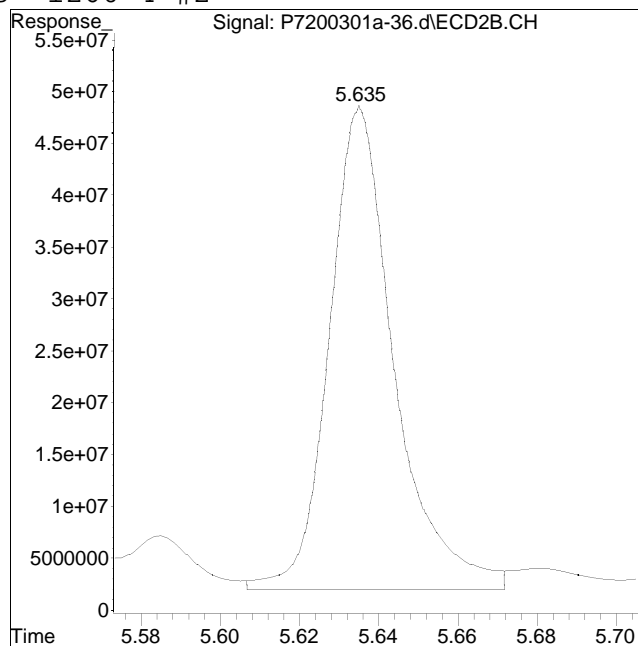
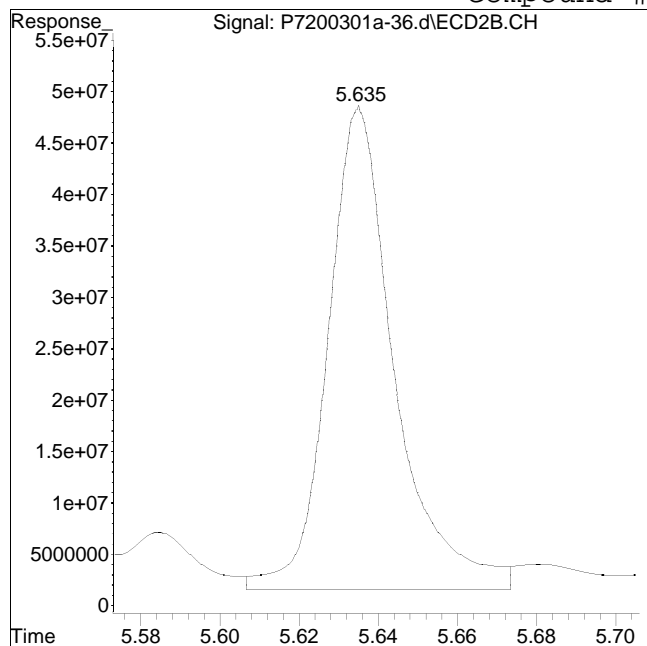
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-36.d
Date Inj'd : 3/2/2020 12:00 am
Sample : 12008805-12d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #63: 1260-4 #2



Original Peak Response = 548721625

Manual Peak Response = 532922790 M4

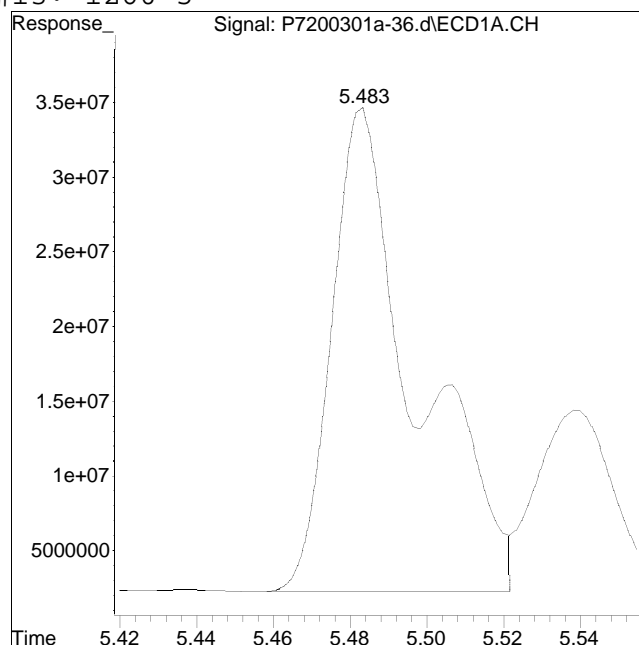
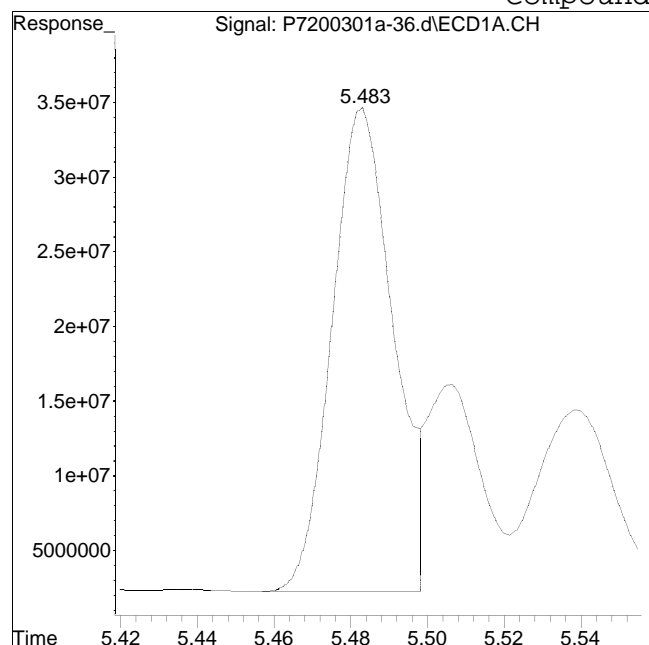
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-36.d
Date Inj'd : 3/2/2020 12:00 am
Sample : 12008805-12d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #13: 1260-5



Original Peak Response = 354116372

Manual Peak Response = 497801943 M1

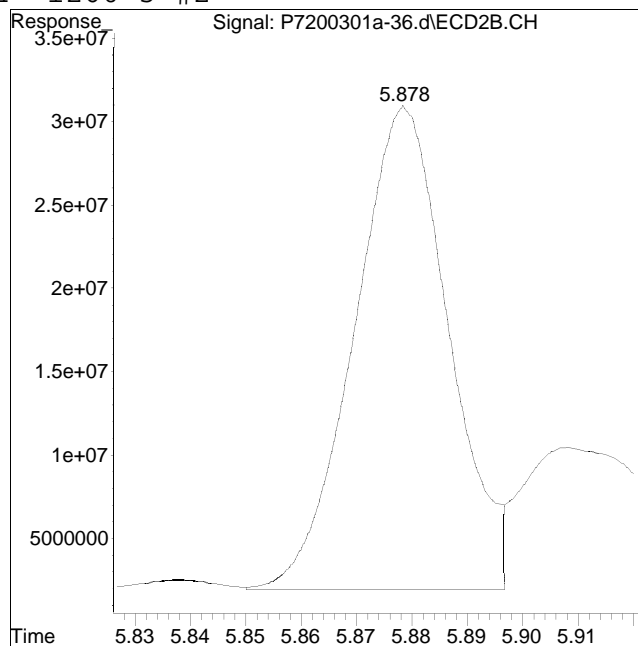
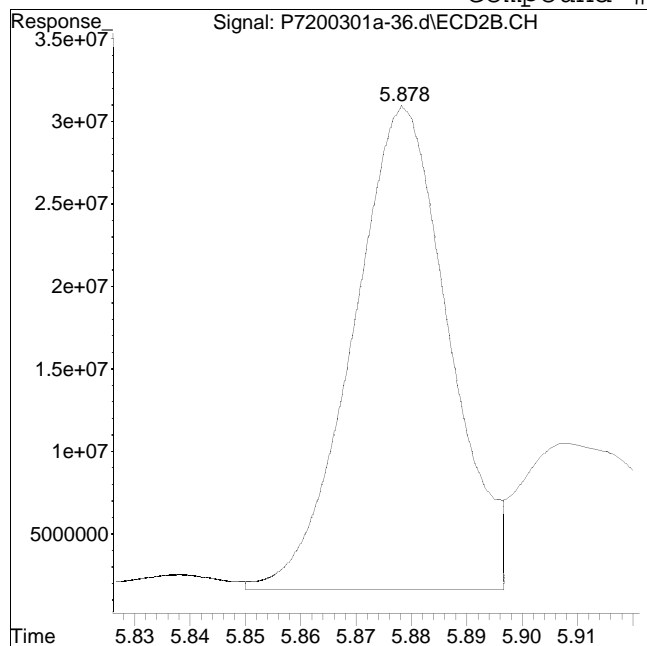
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-36.d
Date Inj'd : 3/2/2020 12:00 am
Sample : 12008805-12d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #64: 1260-5 #2



Original Peak Response = 352316868

Manual Peak Response = 345974136 M4

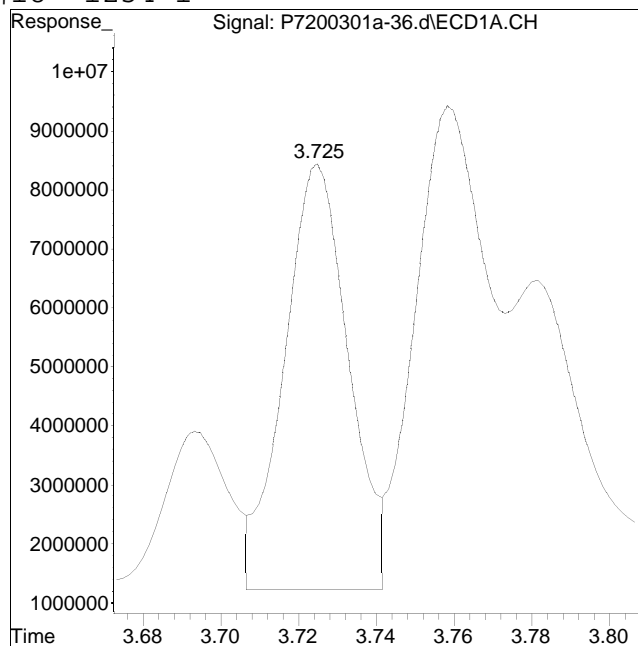
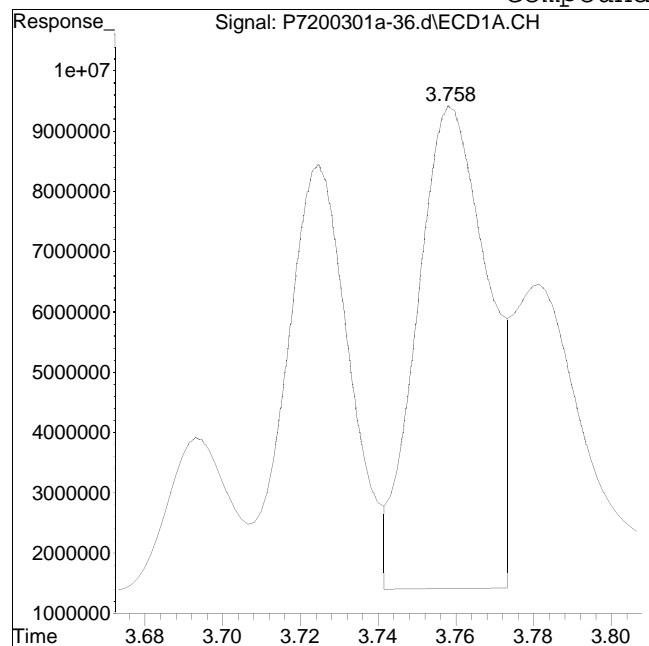
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-36.d
Date Inj'd : 3/2/2020 12:00 am
Sample : 12008805-12d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #18: 1254-1



Original Peak Response = 101542732

Manual Peak Response = 84781126 M3

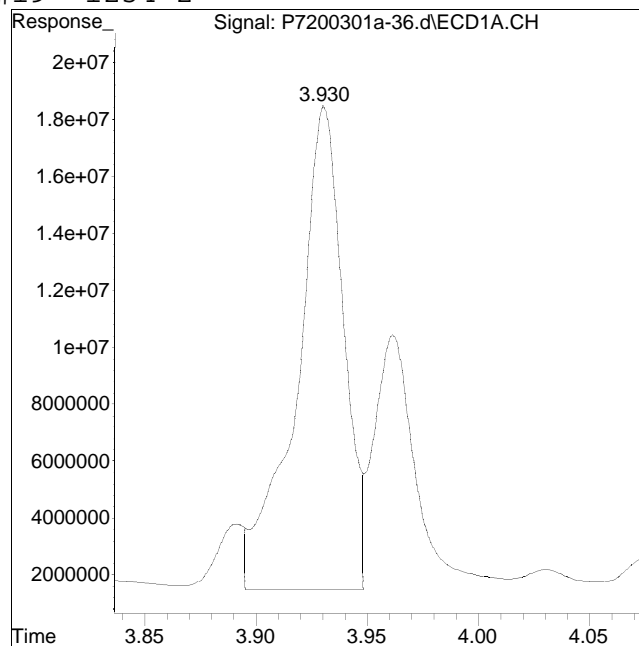
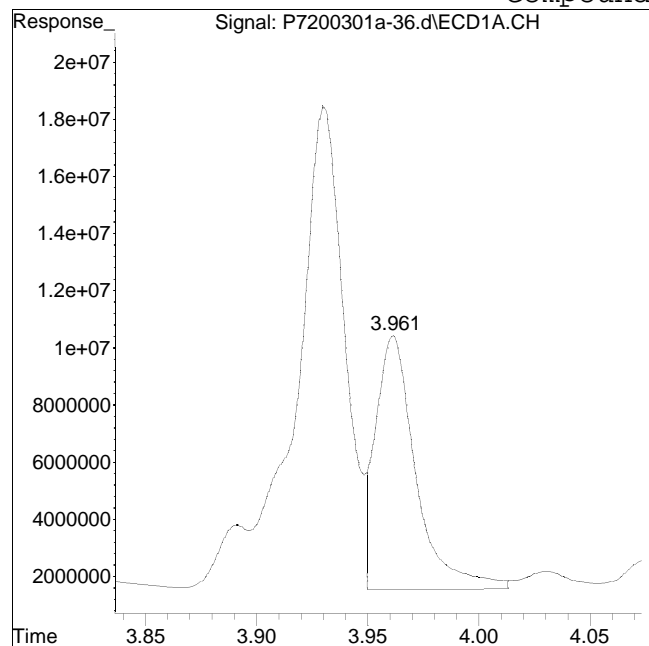
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-36.d
Date Inj'd : 3/2/2020 12:00 am
Sample : 12008805-12d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #19: 1254-2



Original Peak Response = 115739986

Manual Peak Response = 252172688 M3

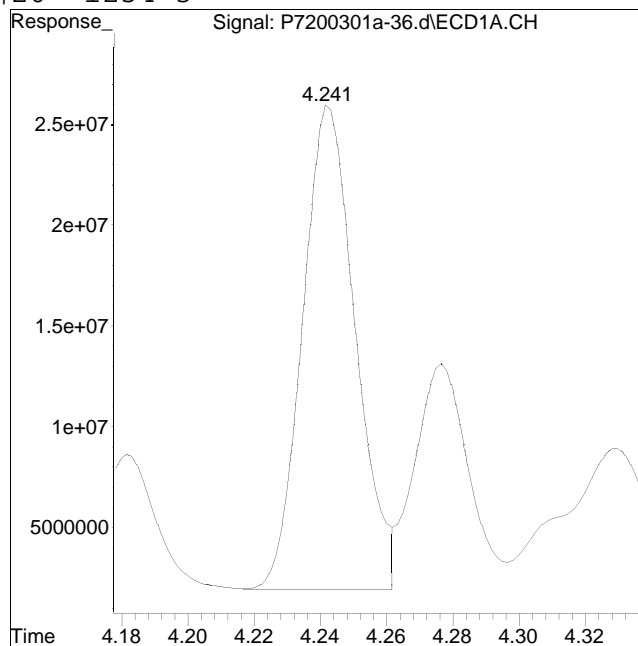
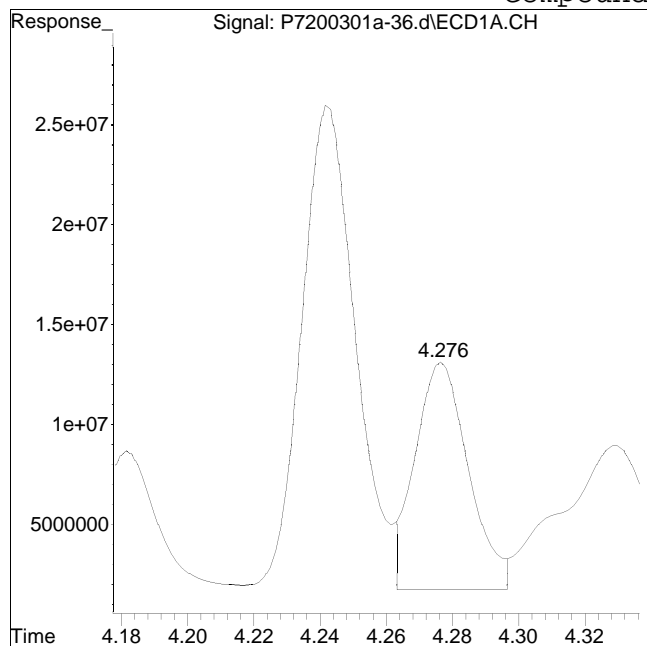
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-36.d
Date Inj'd : 3/2/2020 12:00 am
Sample : 12008805-12d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #20: 1254-3



Original Peak Response = 130493572

Manual Peak Response = 269176054 M3

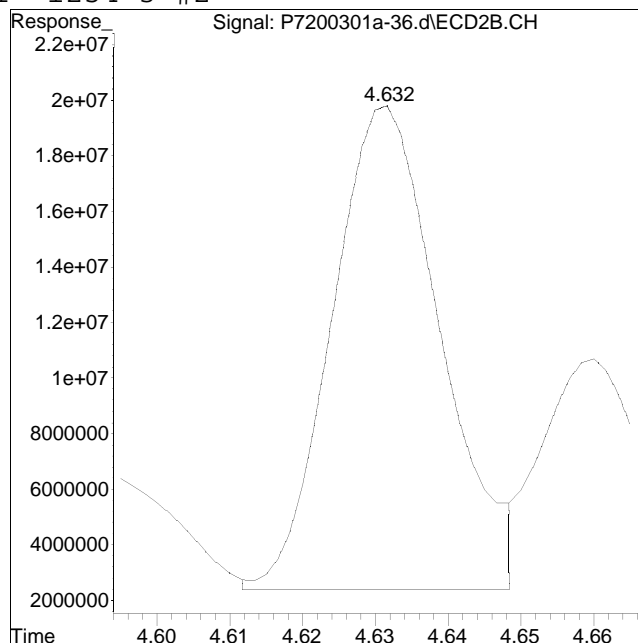
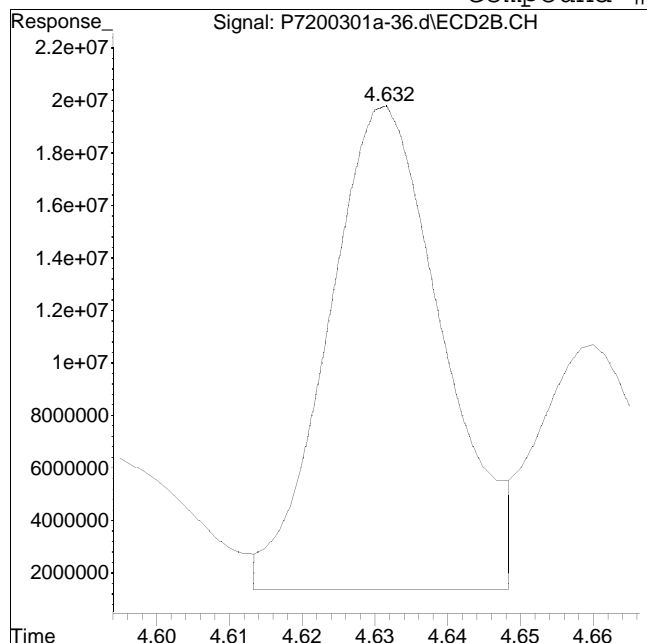
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-36.d
Date Inj'd : 3/2/2020 12:00 am
Sample : 12008805-12d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #71: 1254-3 #2



Original Peak Response = 198963618

Manual Peak Response = 177083064 M4

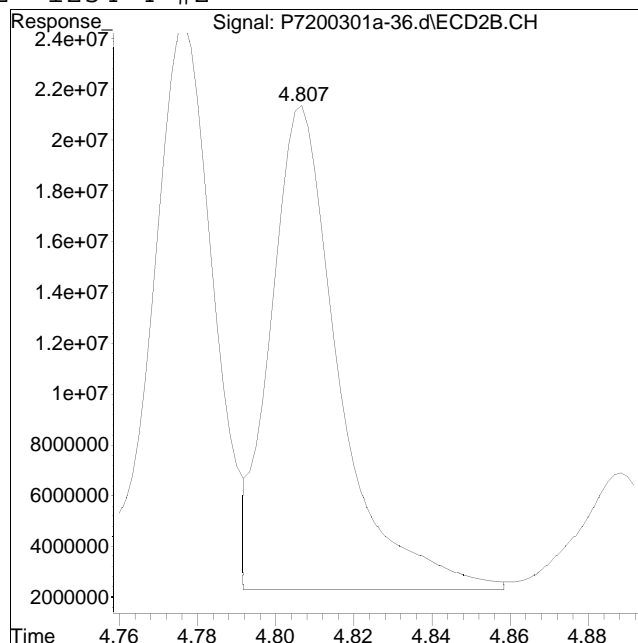
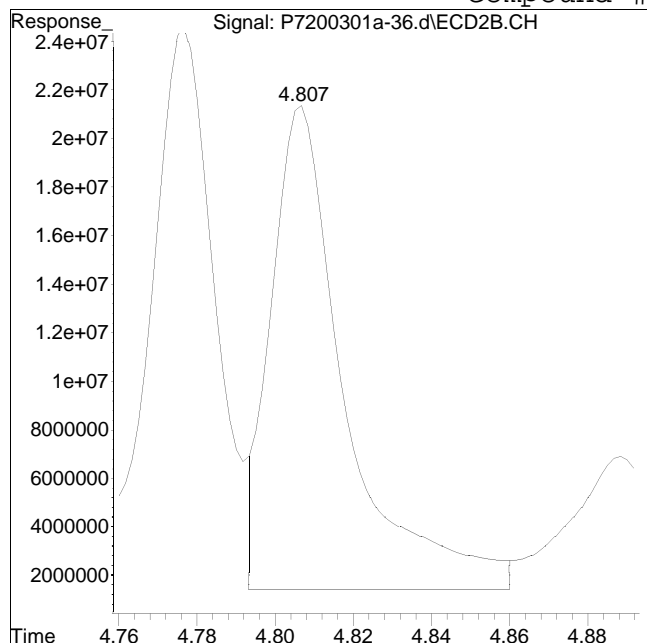
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-36.d
Date Inj'd : 3/2/2020 12:00 am
Sample : 12008805-12d,42e,500,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #72: 1254-4 #2



Original Peak Response = 268897963

Manual Peak Response = 232408225 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-37.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 2:10 am
 Operator : pest7:cw
 Sample : l2008805-19d,42e,20,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:11:14 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.897	1.936	489.3E6	398.0E6	250.000	250.000
Standard Area 1 : #1 = 453929813					Recovery =	107.79%
Standard Area 1 : #2 = 353397607					Recovery =	112.63%
14) i 2154_1br2nb	1.897	1.936	489.3E6	398.0E6	250.000	250.000
23) i 4268_1br2nb	1.897	1.936	489.3E6	398.0E6	250.000	250.000
34) i 1248_1br2nb	1.897	1.936	489.3E6	398.0E6	250.000	250.000
40) i 3262_1br2nb	1.897	1.936	489.3E6	398.0E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	4.400	4.776f	166.6E6	132.9E6	1420.482M4	1532.236M4
10) l2 1260-2	4.611	4.934f	298.1E6	172.3E6	1697.104M4	1726.250M4
11) l2 1260-3	5.082	5.460f	190.6E6	152.3E6	1779.873	1876.194M3
12) l2 1260-4	5.300	5.636	455.3E6	388.7E6	1905.386	2317.373
13) l2 1260-5	5.496	5.879	332.1E6	267.0E6	2021.838M1	2281.596M3

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-37.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 2:10 am
 Operator : pest7:cw
 Sample : l2008805-19d,42e,20,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:11:14 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			1442.7E6	1113.2E6	8824.682	9733.650
Average	1260-1					1764.936	1946.730
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-37.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 2:10 am
 Operator : pest7:cw
 Sample : l2008805-19d,42e,20,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:11:14 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) 17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) 17 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-37.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 2:10 am
 Operator : pest7:cw
 Sample : l2008805-19d,42e,20,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 17:11:14 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

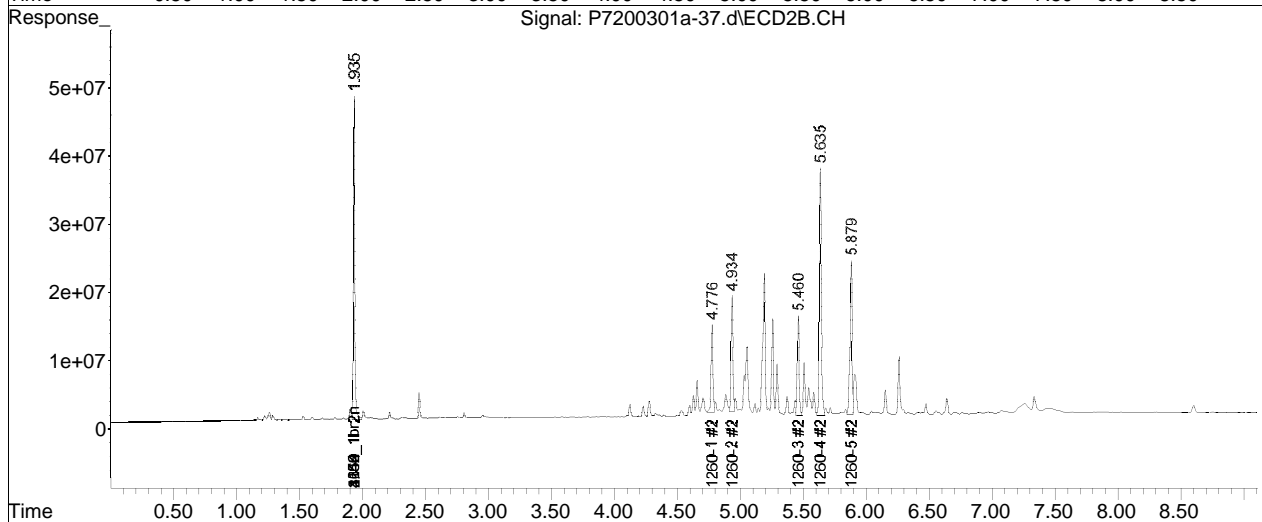
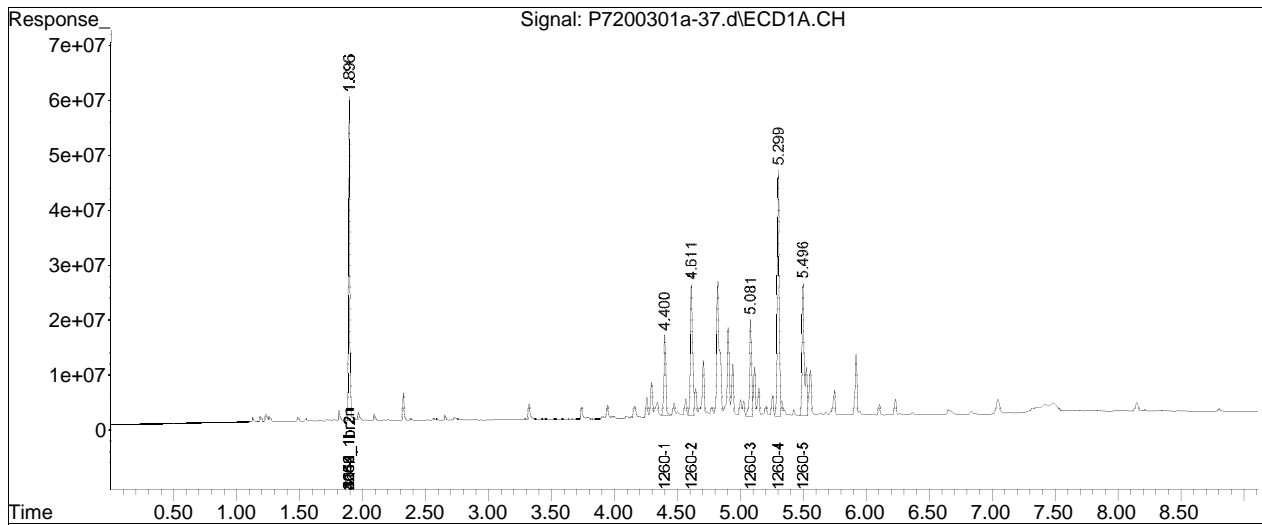
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 Mar 2020 2:10 am
Operator : pest7:cw
Sample : l2008805-19d,42e,20,
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 17:11:14 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

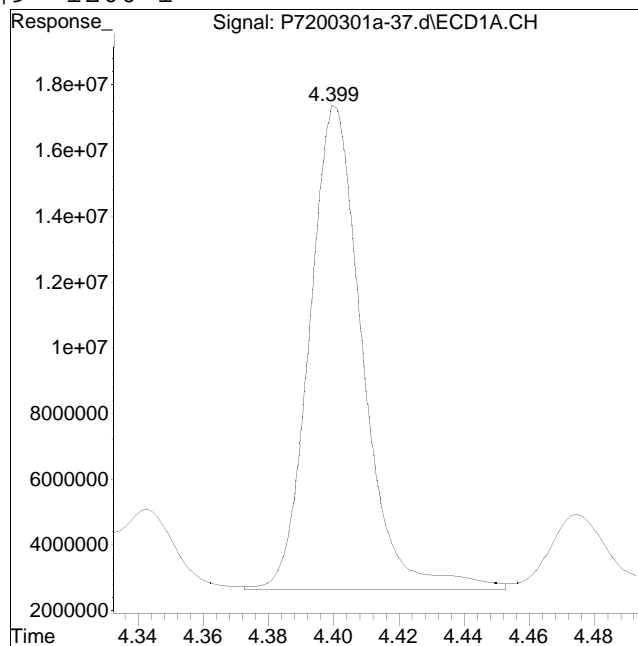
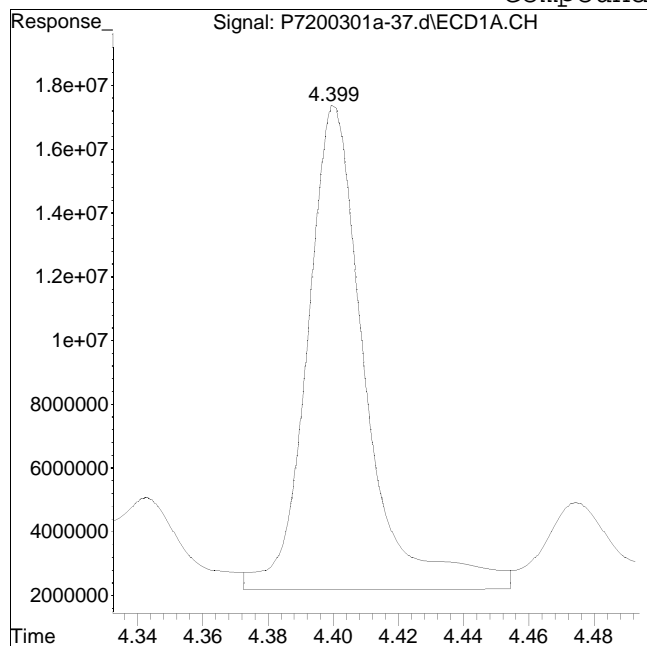


Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-37.d
Date Inj'd : 3/2/2020 2:10 am
Sample : 12008805-19d,42e,20,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #9: 1260-1



Original Peak Response = 187228224

Manual Peak Response = 166624860 M4

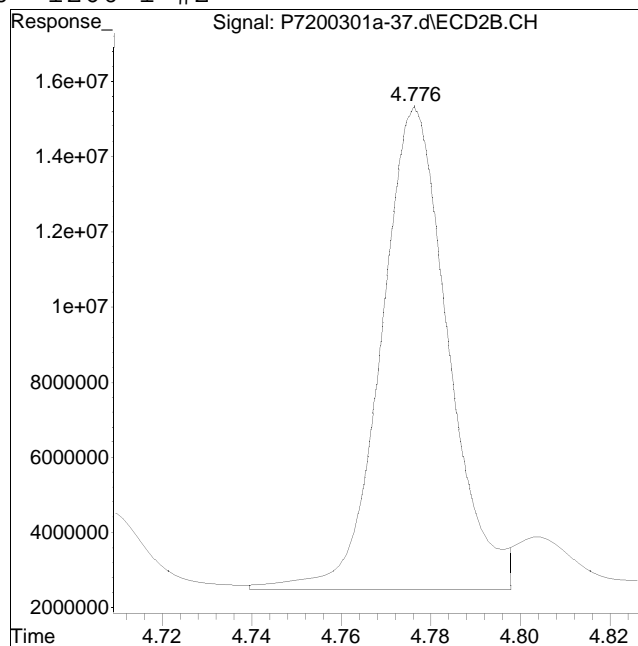
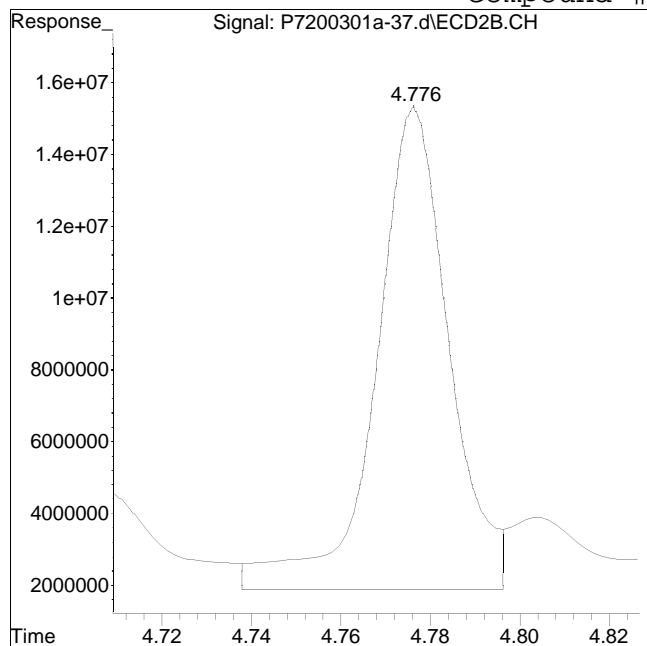
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-37.d
Date Inj'd : 3/2/2020 2:10 am
Sample : 12008805-19d,42e,20,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #60: 1260-1 #2



Original Peak Response = 153350761

Manual Peak Response = 132884224 M4

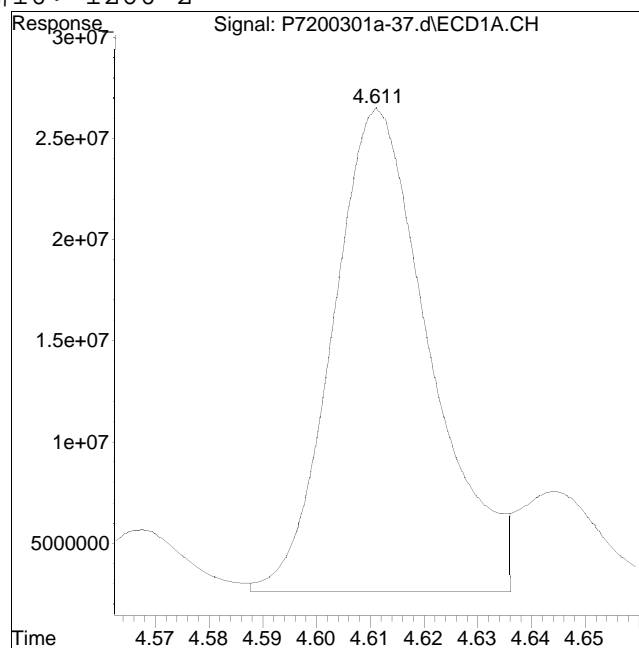
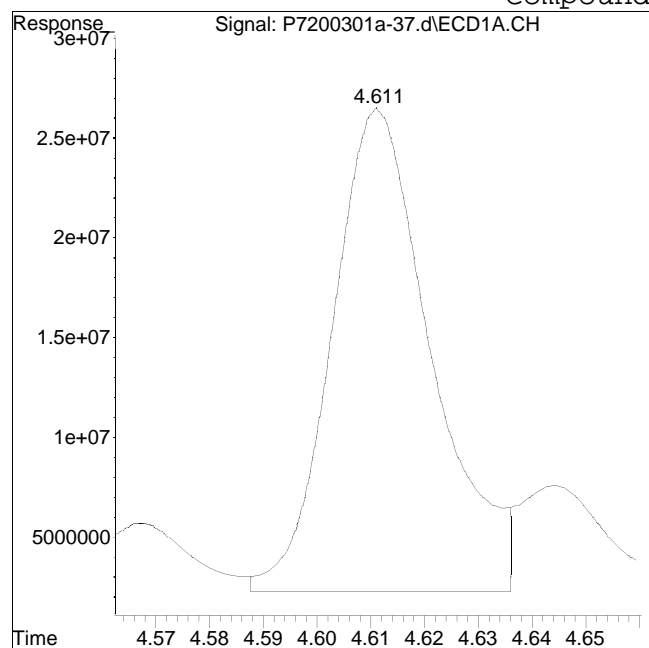
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-37.d
Date Inj'd : 3/2/2020 2:10 am
Sample : 12008805-19d,42e,20,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #10: 1260-2



Original Peak Response = 307926210

Manual Peak Response = 298084699 M4

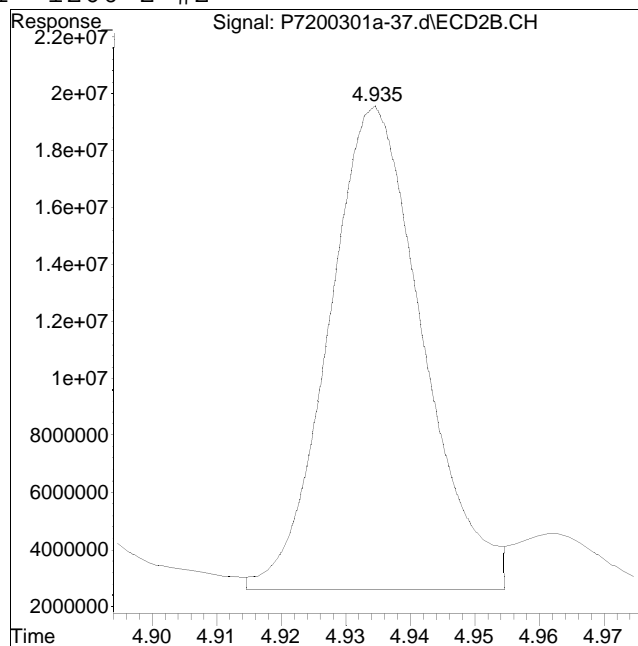
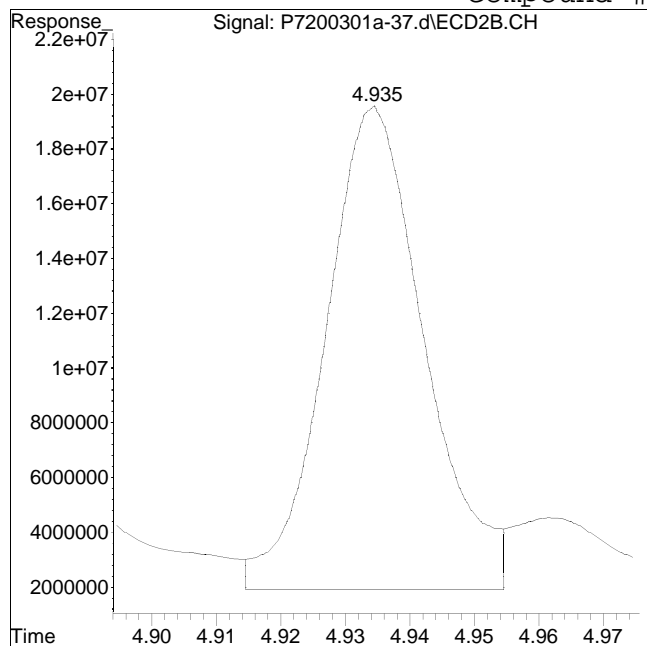
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-37.d
Date Inj'd : 3/2/2020 2:10 am
Sample : 12008805-19d,42e,20,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #61: 1260-2 #2



Original Peak Response = 187936188

Manual Peak Response = 172321778 M4

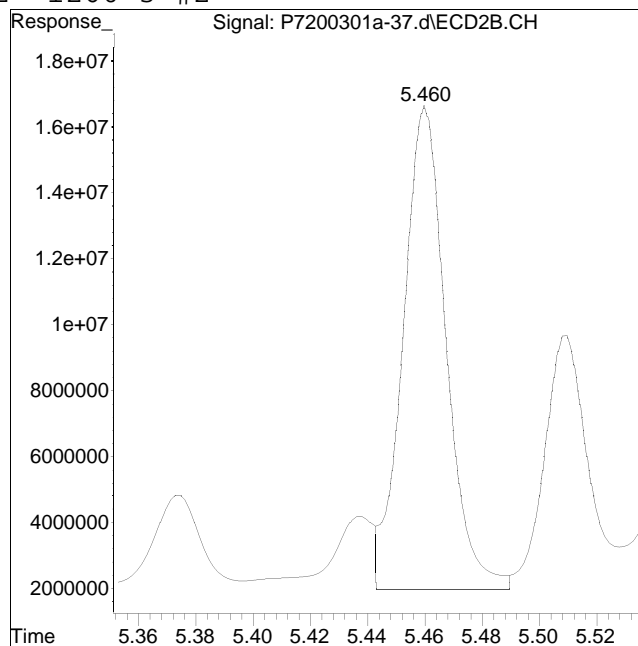
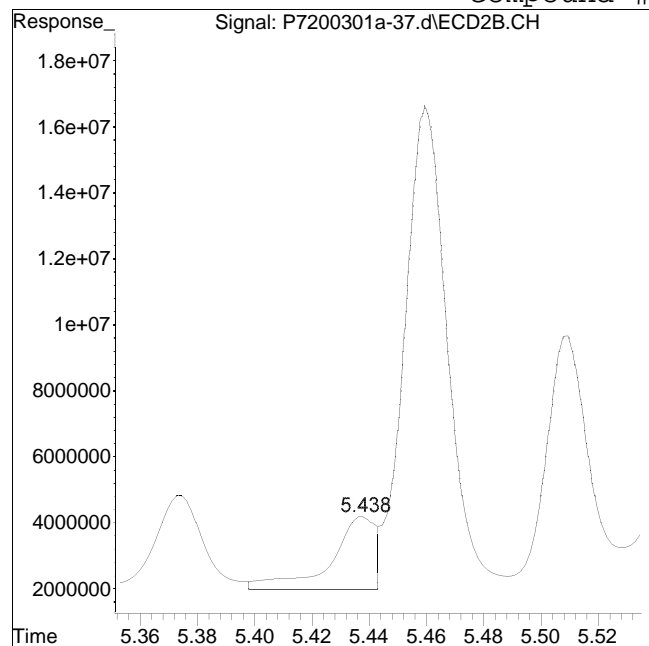
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-37.d
Date Inj'd : 3/2/2020 2:10 am
Sample : 12008805-19d,42e,20,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #62: 1260-3 #2



Original Peak Response = 24171304

Manual Peak Response = 152266620 M3

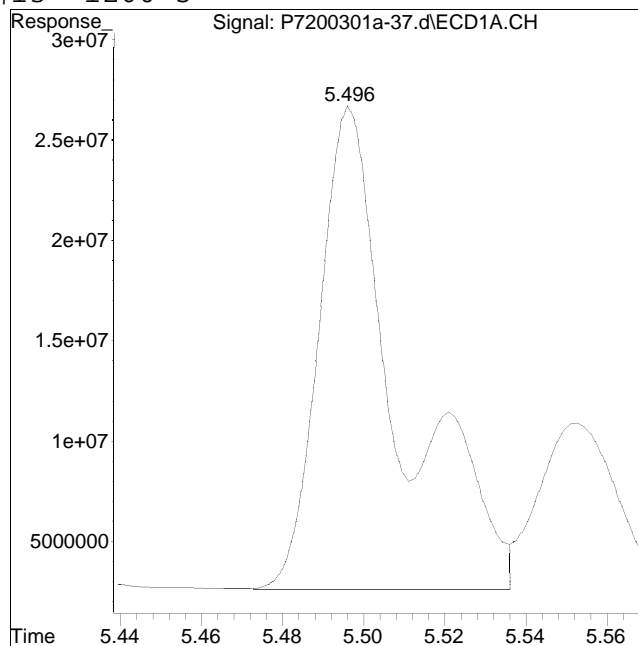
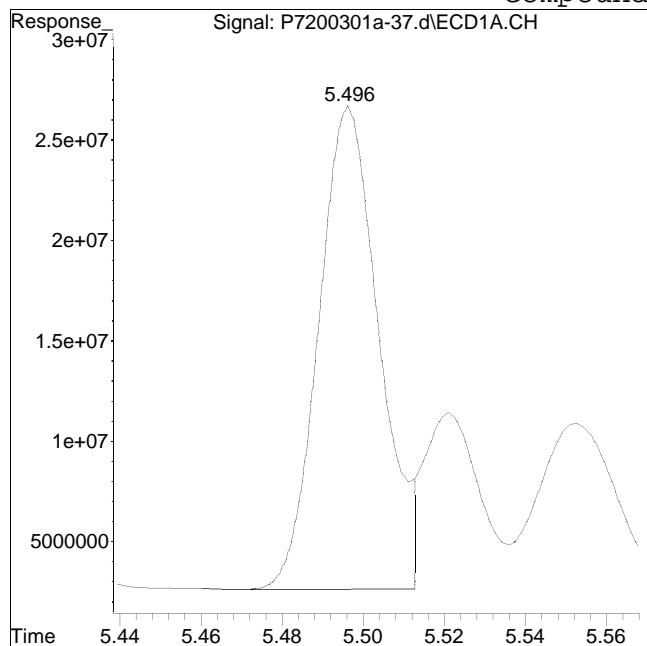
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-37.d
Date Inj'd : 3/2/2020 2:10 am
Sample : 12008805-19d,42e,20,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #13: 1260-5



Original Peak Response = 244179440

Manual Peak Response = 332089918 M1

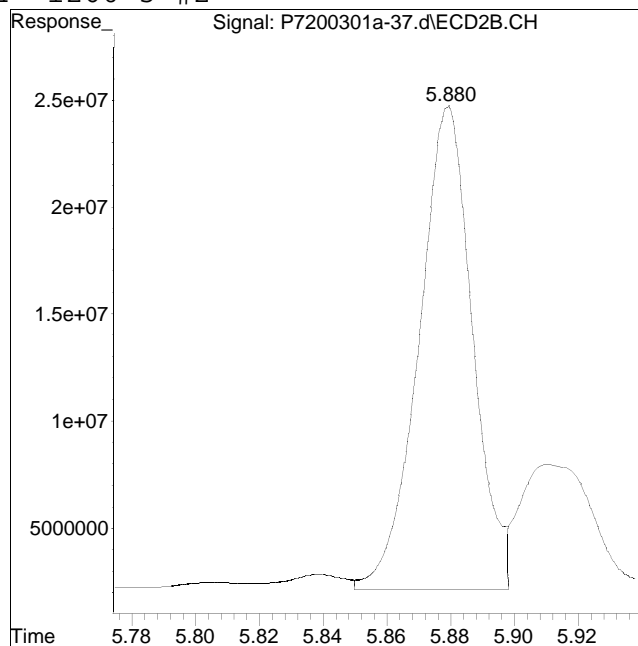
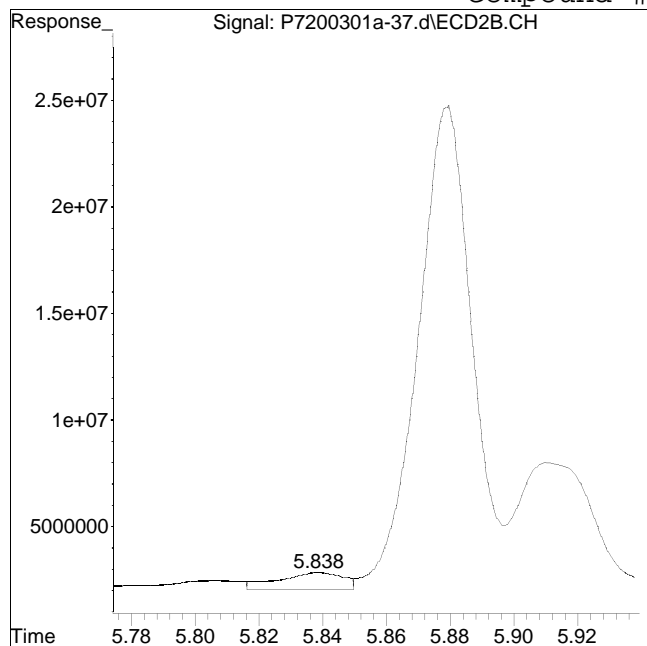
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-37.d
Date Inj'd : 3/2/2020 2:10 am
Sample : 12008805-19d,42e,20,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:56 am

Compound #64: 1260-5 #2



Original Peak Response = 12065623

Manual Peak Response = 267036111 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200309A\
 Data File : P7200309a-48.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Mar 2020 8:28 pm
 Operator : pest7:cw
 Sample : l2008805-09d,42e,20,
 Misc : wgl348705,wgl348141,ical15997
 ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 11 17:51:43 2020
 Quant Method : I:\Pest7\200309A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 23:24:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200309A\P7200309a-42.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.875	1.923	528.9E6	439.2E6	250.000	250.000
Standard Area 1 : #1 = 496084798					Recovery =	106.61%
Standard Area 1 : #2 = 403146173					Recovery =	108.95%
14) i 2154_1br2nb	1.875	1.923	528.9E6	439.2E6	250.000	250.000
23) i 4268_1br2nb	1.875	1.923	528.9E6	439.2E6	250.000	250.000
34) i 1248_1br2nb	1.875	1.923	528.9E6	439.2E6	250.000	250.000
40) i 3262_1br2nb	1.875	1.923	528.9E6	439.2E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D. d	N.D. d
Average 1016-1					0.000	0.000
9) l2 1260-1	4.357	4.750	426.3E6	340.9E6	3361.733	3562.370
10) l2 1260-2	4.569	4.909	694.5E6	450.9E6	3657.750	4093.497
11) l2 1260-3	5.041	5.436	423.0E6	329.0E6	3654.238M4	3673.343
12) l2 1260-4	5.261	5.611	933.4E6	785.9E6	3613.796M4	4246.271
13) l2 1260-5	5.458	5.855	691.5E6	540.0E6	3894.572M1	4180.912
Sum 1260-1			3168.6E6	2446.6E6	18182.088	19756.392
Average 1260-1					3636.418	3951.278

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200309A\
 Data File : P7200309a-48.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Mar 2020 8:28 pm
 Operator : pest7:cw
 Sample : l2008805-09d,42e,20,
 Misc : wgl1348705,wgl1348141,ical15997
 ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 11 17:51:43 2020
 Quant Method : I:\Pest7\200309A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 23:24:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200309A\P7200309a-42.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D. d
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D. d
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D. d
36)	17 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200309A\
 Data File : P7200309a-48.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Mar 2020 8:28 pm
 Operator : pest7:cw
 Sample : l2008805-09d,42e,20,
 Misc : wgl348705,wgl348141,ical15997
 ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 11 17:51:43 2020
 Quant Method : I:\Pest7\200309A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Thu Mar 05 23:24:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200309A\P7200309a-42.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D. d
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D. d	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D. d
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

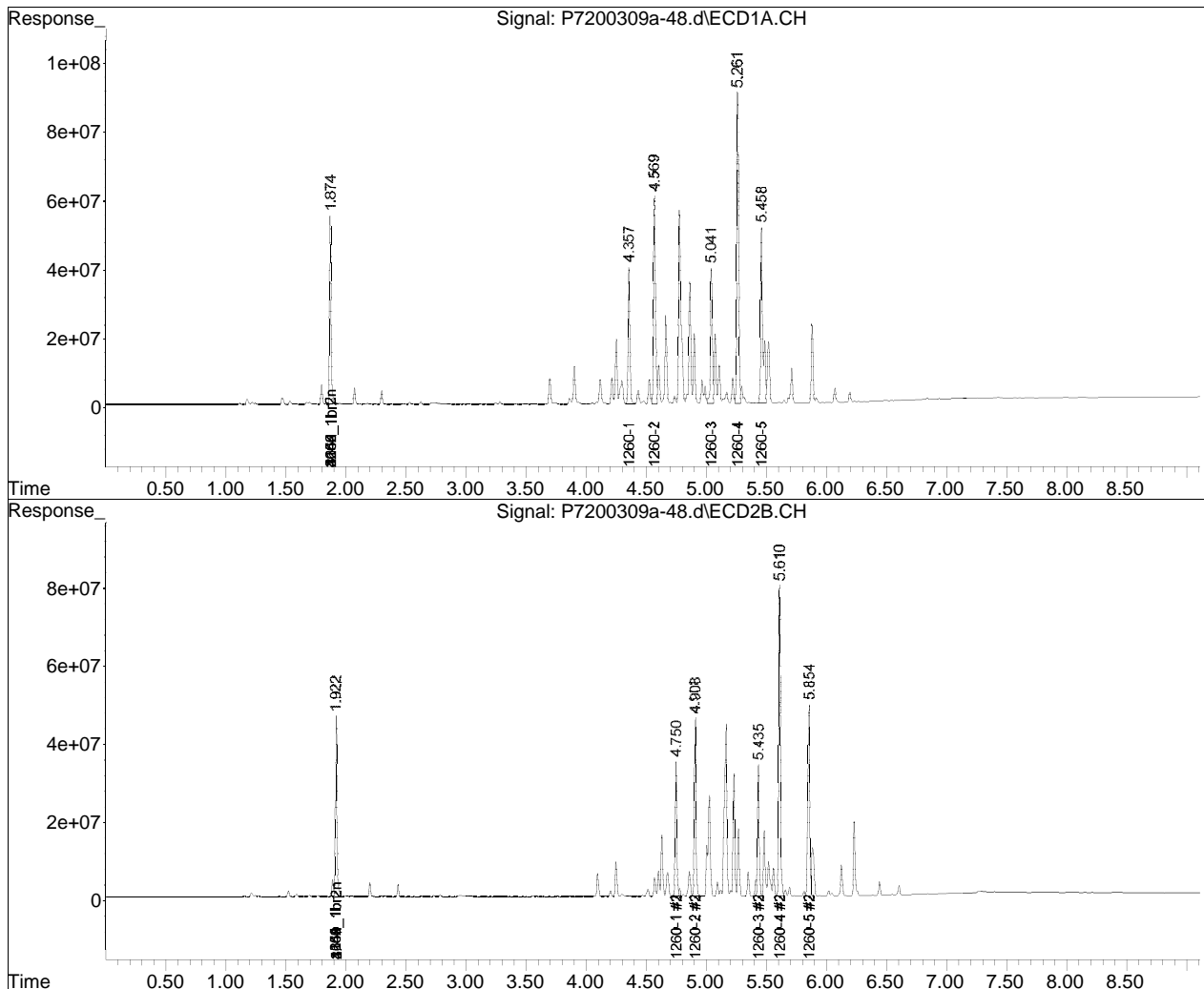
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-42.d••ed)

Data Path : I:\Pest7\200309A\
Data File : P7200309a-48.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Mar 2020 8:28 pm
Operator : pest7:cw
Sample : l2008805-09d,42e,20,
Misc : wg1348705,wg1348141,ical15997
ALS Vial : 48 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 11 17:51:43 2020
Quant Method : I:\Pest7\200309A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Thu Mar 05 23:24:56 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

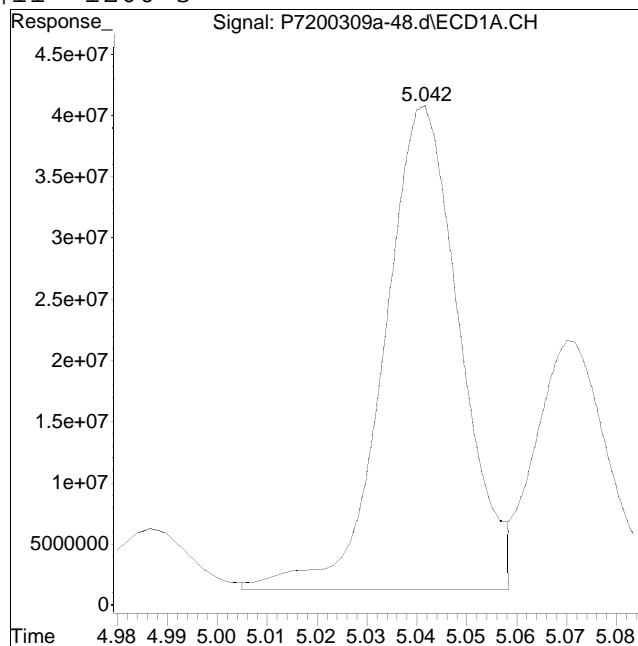
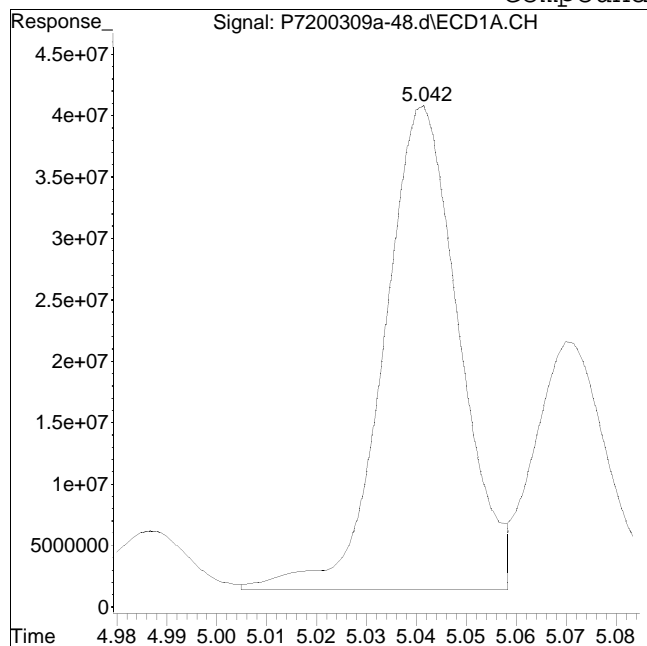


Manual Integration Report

Data Path : I:\Pest7\200309A\
Data File : P7200309a-48.d
Date Inj'd : 3/9/2020 8:28 pm
Sample : 12008805-09d,42e,20,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/11/2020 5:18 pm

Compound #11: 1260-3



Original Peak Response = 409591782

Manual Peak Response = 422950647 M4

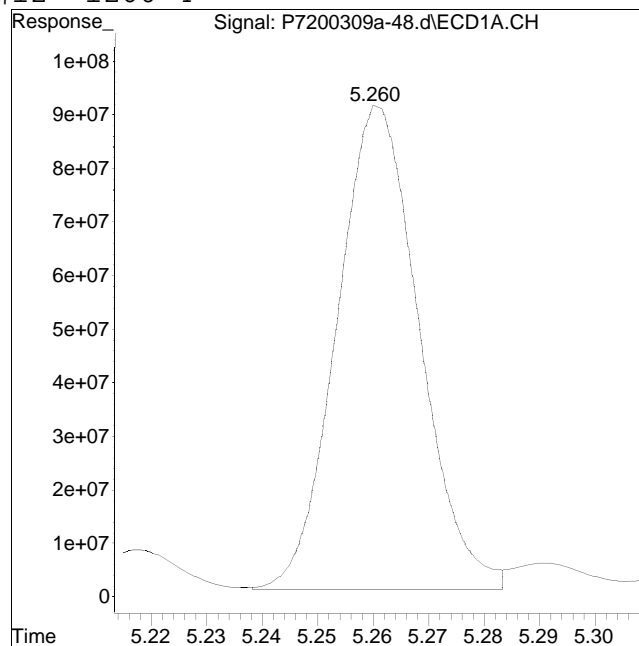
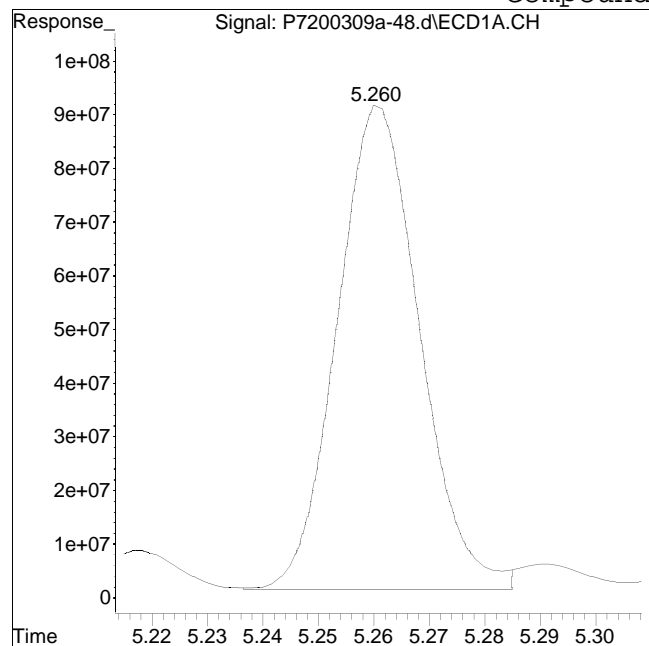
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200309A\
Data File : P7200309a-48.d
Date Inj'd : 3/9/2020 8:28 pm
Sample : 12008805-09d,42e,20,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/11/2020 5:18 pm

Compound #12: 1260-4



Original Peak Response = 927190245

Manual Peak Response = 933426267 M4

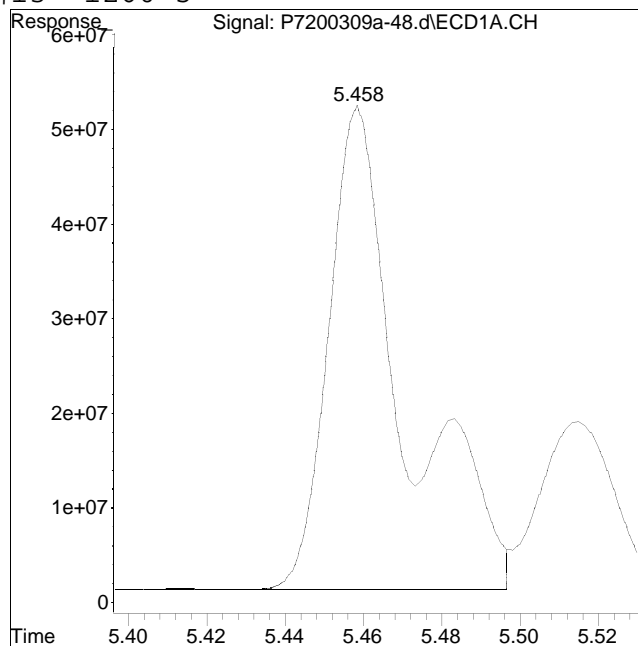
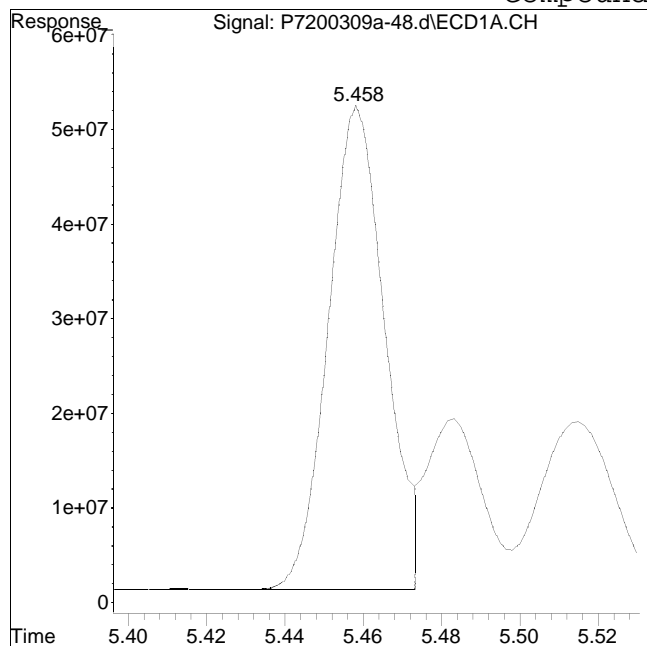
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\200309A\
Data File : P7200309a-48.d
Date Inj'd : 3/9/2020 8:28 pm
Sample : 12008805-09d,42e,20,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/11/2020 5:18 pm

Compound #13: 1260-5



Original Peak Response = 510928614

Manual Peak Response = 691465368 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Method Blank

Raw Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-27.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:10 pm
 Operator : pest7:cw
 Sample : wgl1345844-1,42e,,
 Misc : wgl1345889,wgl1345844,ical15997
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:40:10 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	1.890	1.939	506.1E6	397.7E6	250.000	250.000
Standard Area 1 : #1 = 453929813					Recovery =	111.49%
Standard Area 1 : #2 = 353397607					Recovery =	112.54%
14) i 2154_1br2nb	1.890	1.939	506.1E6	397.7E6	250.000	250.000
23) i 4268_1br2nb	1.890	1.939	506.1E6	397.7E6	250.000	250.000
34) i 1248_1br2nb	1.890	1.939	506.1E6	397.7E6	250.000	250.000
40) i 3262_1br2nb	1.890	1.939	506.1E6	397.7E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.317	2.455	876.8E6	706.4E6	352.125	367.159
Spiked Amount 500.000	Range 30 - 150				Recovery =	70.43%
73.43%						
3) s Decachlorobi	6.214	6.624	545.8E6	421.7E6	330.200	364.669M4
Spiked Amount 500.000	Range 30 - 150				Recovery =	66.04%
72.93%						
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-27.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:10 pm
 Operator : pest7:cw
 Sample : wg1345844-1,42e,,
 Misc : wg1345889,wg1345844,ical15997
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:40:10 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16)	13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D.	N.D.
20)	14 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21)	14 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22)	14 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200301A\
 Data File : P7200301a-27.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 01 Mar 2020 10:10 pm
 Operator : pest7:cw
 Sample : wg1345844-1,42e,,
 Misc : wg1345889,wg1345844,ical15997
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 04 16:40:10 2020
 Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
 Quant Title : pcb
 QLast Update : Wed Feb 26 15:54:34 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest7\200301A\P7200301a-23.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37)	17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38)	17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39)	17 1248-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1248-1			0	0	N.D.	N.D.
	Average 1248-1					0.000	0.000
41)	15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43)	15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44)	15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45)	15 1232-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1232-1			0	0	N.D.	N.D.
	Average 1232-1					0.000	0.000
46)	18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	18 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	18 1262-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
	Average 1262-1					0.000	0.000

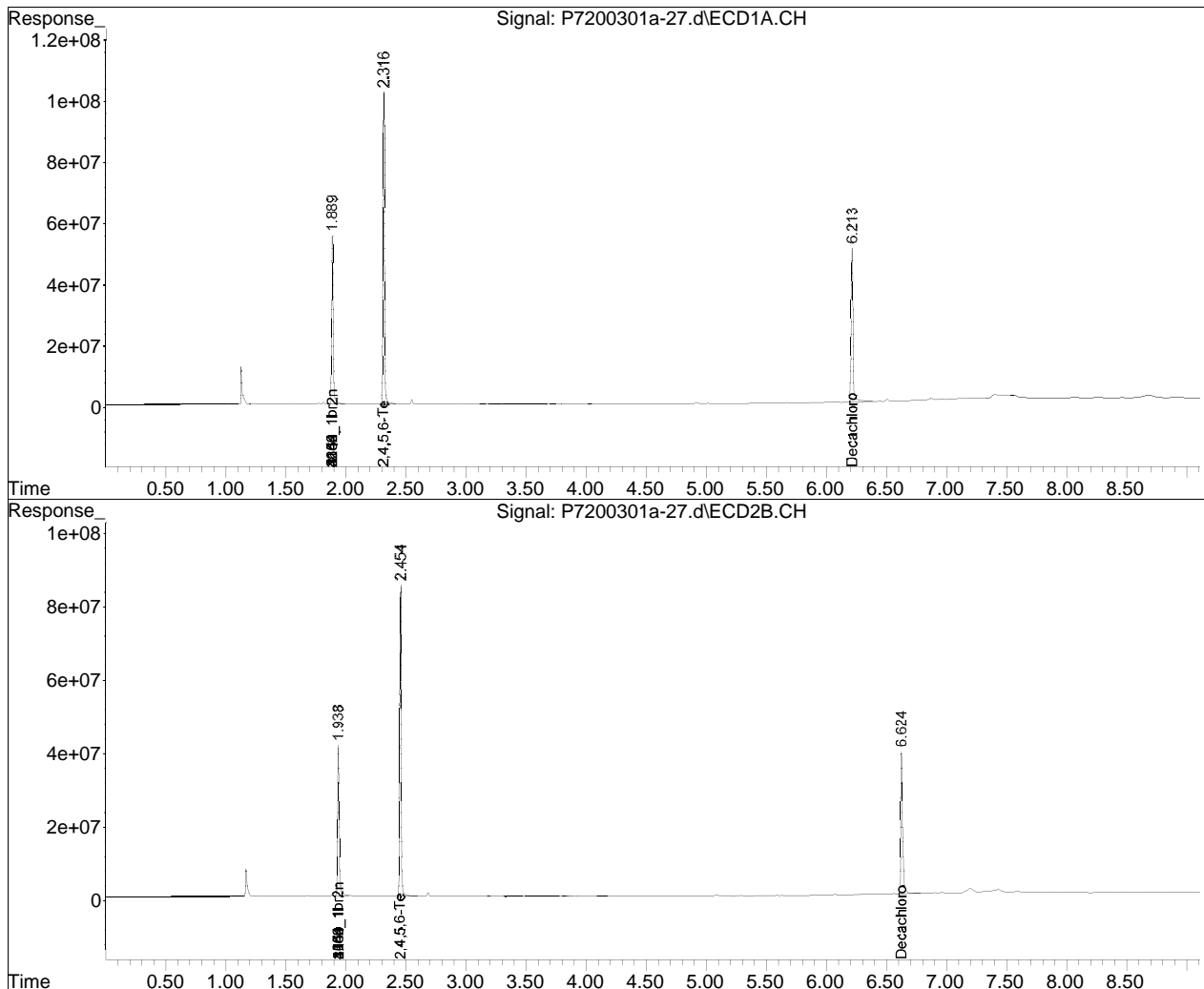
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-23.d••ed)

Data Path : I:\Pest7\200301A\
Data File : P7200301a-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Mar 2020 10:10 pm
Operator : pest7:cw
Sample : wg1345844-1,42e,,
Misc : wg1345889,wg1345844,ical15997
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 04 16:40:10 2020
Quant Method : I:\Pest7\200301A\P7_pcb_07_28_19_ugL_ICAL15997.m
Quant Title : pcb
QLast Update : Wed Feb 26 15:54:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

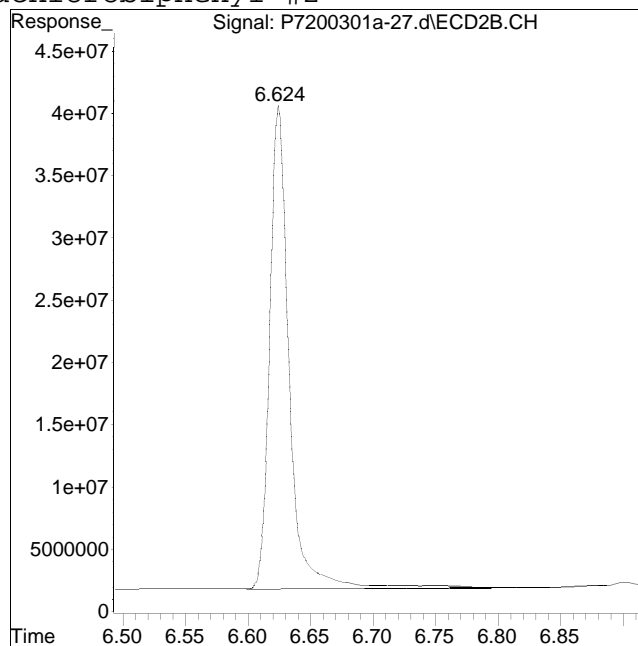
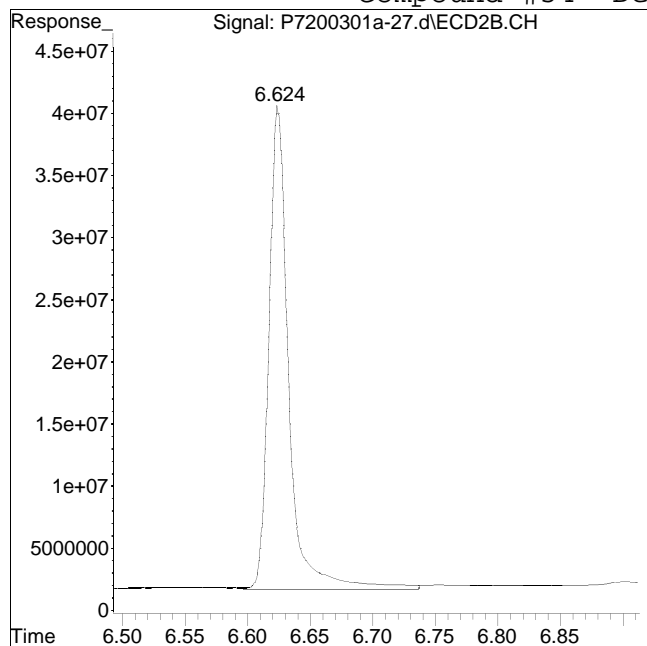


Manual Integration Report

Data Path : I:\Pest7\200301A\
Data File : P7200301a-27.d
Date Inj'd : 3/1/2020 10:10 pm
Sample : wg1345844-1,42e,,

QMethod : P7_pcb_07_28_19_ugL_ICAL
Operator : pest7:cw
Instrument : Pest 7
Quant Date : 3/2/2020 7:55 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 432240530

Manual Peak Response = 421698679 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 01:03 pm
 Operator : pest21:ht
 Sample : wgl1348141-1,42e,,
 Misc : wgl1348385,wgl1348141,ical16334
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:36:22 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	2.088	2.198	146.8E6	284.8E6	250.000	250.000
Standard Area 1 : #1 = 147894389					Recovery =	99.28%
Standard Area 1 : #2 = 287723858					Recovery =	99.00%
14) i 2154_1br2nb	2.088	2.198	146.8E6	284.8E6	250.000	250.000
23) i 4268_1br2nb	2.088	2.198	146.8E6	284.8E6	250.000	250.000
34) i 1248_1br2nb	2.088	2.198	146.8E6	284.8E6	250.000	250.000
40) i 3262_1br2nb	2.088	2.198	146.8E6	284.8E6	250.000	250.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.575	2.832	183.8E6	366.5E6	301.134	309.227
Spiked Amount 500.000 Range 30 - 150					Recovery =	60.23%
3) s Decachlorobi	6.585	7.202	101.4E6	159.6E6	202.780	196.135M4
Spiked Amount 500.000 Range 30 - 150					Recovery =	40.56%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D.	N.D.
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 01:03 pm
 Operator : pest21:ht
 Sample : wg1348141-1,42e,,
 Misc : wg1348385,wg1348141,ical16334
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:36:22 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) 13 1221-1	0.000	0.000	0	0	N.D.	N.D.
16) 13 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 13 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
18) 14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) 14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) 14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) 14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) 14 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) 16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) 16 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) 16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27) 16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) 16 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) 19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) 19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) 19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) 19 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) 19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 01:03 pm
 Operator : pest21:ht
 Sample : wg1348141-1,42e,,
 Misc : wg1348385,wg1348141,ical16334
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:36:22 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) 17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36) 17 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D.	N.D.
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D.	N.D.
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) 18 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) 18 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21200307a\
 Data File : 21200307a-19.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Mar 2020 01:03 pm
 Operator : pest21:ht
 Sample : wg1348141-1,42e,,
 Misc : wg1348385,wg1348141,ical16334
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 10 20:36:22 2020
 Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

.. .m
 Quant Title : pcb
 QLast Update : Tue Feb 25 15:47:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21200307a\21200307a-02.D
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.						
(#)=Recovery Exceeds Compound Acceptance Limits.						
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.						

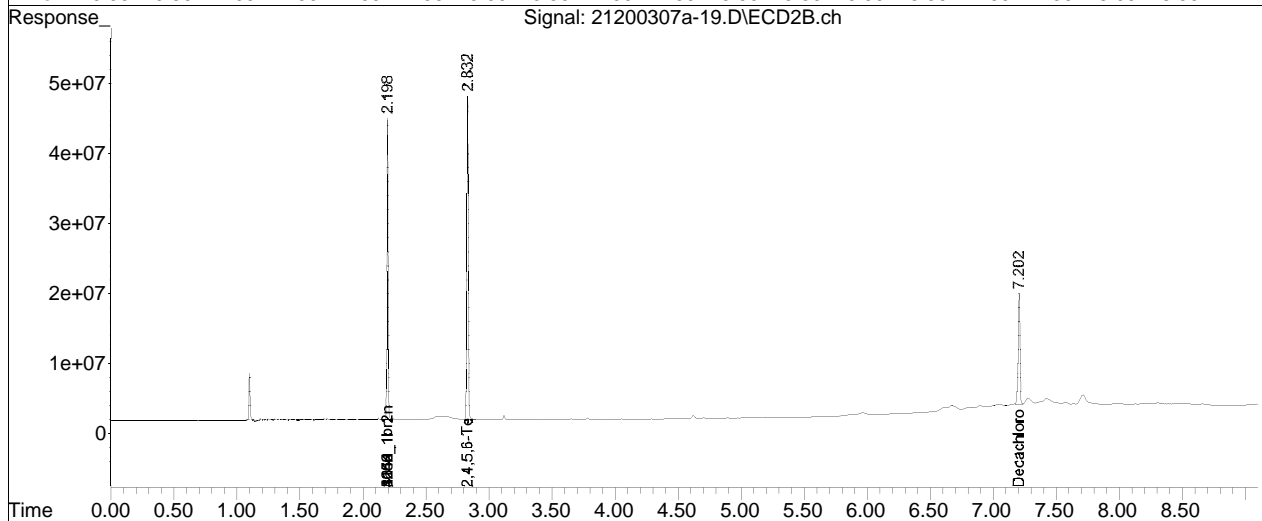
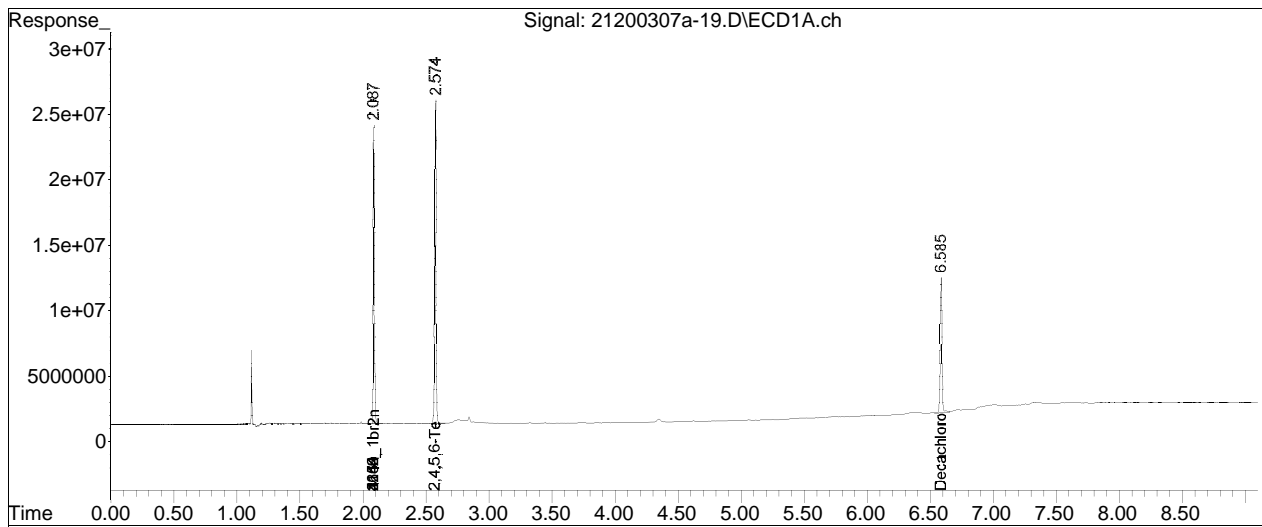
Sub List : Default - All compounds listed07a\21200307a-02.D••

Data Path : I:\Pest21\data\2020\21200307a\
Data File : 21200307a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2020 01:03 pm
Operator : pest21:ht
Sample : wg1348141-1,42e,,
Misc : wg1348385,wg1348141,ical16334
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 20:36:22 2020
Quant Method : I:\Pest21\data\2020\21200307a\P21_pcb_11_25_19_ugL_ICAL16334

Quant Title : pcb
QLast Update : Tue Feb 25 15:47:02 2020
Response via : Initial Calibration
Integrator: ChemStation

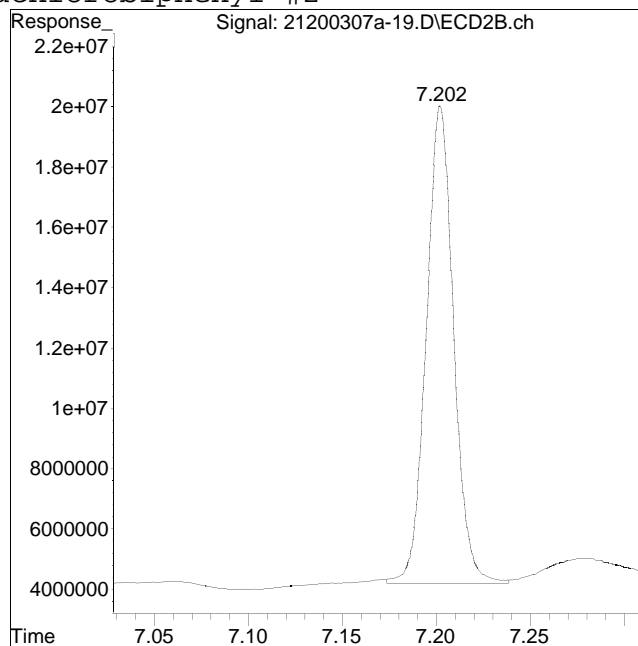
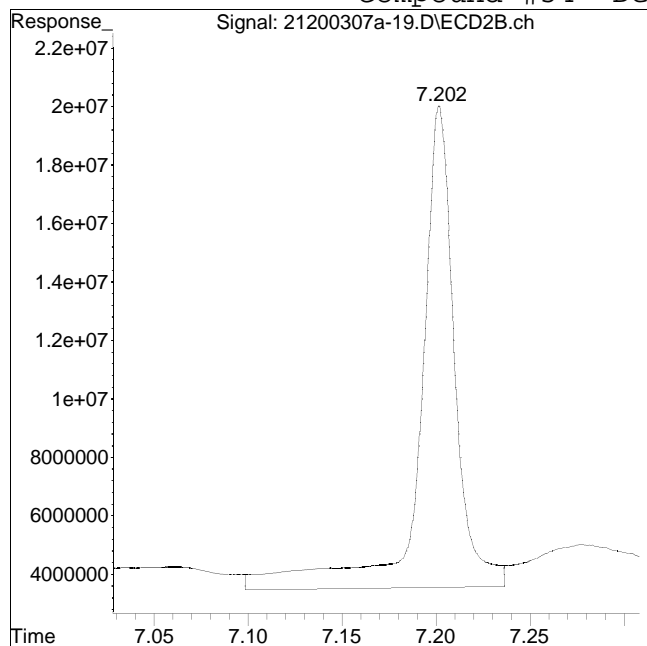
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest21\data\2020\212003QMethod : P21_pcb_11_25_19_ugL_ICA
Data File : 21200307a-19.D Operator : pest21:ht
Date Inj'd : 3/7/2020 1:03 pm Instrument : Pest 21
Sample : wg1348141-1,42e,, Quant Date : 3/8/2020 6:42 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 213716958

Manual Peak Response = 159646703 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
 Data File : P2200302a-06.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 10:33 am
 Operator : pest2:ht
 Sample : wg1345916-1,42e,,915 914ct
 Misc : wg1346069,wg1345916,ical16010
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 23:05:46 2020
 Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Internal Standards						
1) i 1660_1br2nb	2.099	2.281	66708240	44394544	25.000	25.000
Standard Area 1 : #1 = 115461021					Recovery =	57.78%
Standard Area 1 : #2 = 74707747					Recovery =	59.42%
14) i 2154_1br2nb	2.099	2.281	66708240	44394544	25.000	25.000
23) i 4268_1br2nb	2.099	2.281	66708240	44394544	25.000	25.000
34) i 1248_1br2nb	2.099	2.281	66708240	44394544	25.000	25.000
40) i 3262_1br2nb	2.099	2.281	66708240	44394544	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	2.582	2.923	44594481	28750951	16.293	15.370
Spiked Amount 20.000	Range 30 - 150				Recovery =	81.47% 76.85%
3) s Decachlorobi	6.603	7.327f	46743696	27965940	17.790	19.125
Spiked Amount 20.000	Range 30 - 150				Recovery =	88.95% 95.63%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1 1016-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
 Data File : P2200302a-06.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 10:33 am
 Operator : pest2:ht
 Sample : wg1345916-1,42e,,915 914ct
 Misc : wg1346069,wg1345916,ical16010
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 23:05:46 2020
 Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-02.d
 Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	13 1221-2	0.000	0.000	0	0	N.D.	N.D.
16)	13 1221-3	0.000	0.000	0	0	N.D.	N.D.
17)	13 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000
18)	14 1254-1	0.000	0.000	0	0	N.D.	N.D.
19)	14 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20)	14 1254-3	0.000	0.000	0	0	N.D.	N.D.
21)	14 1254-4	0.000	0.000	0	0	N.D.	N.D.
22)	14 1254-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1254-1			0	0	N.D.	N.D.
	Average 1254-1					0.000	0.000
24)	16 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25)	16 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26)	16 1242-3	0.000	0.000	0	0	N.D.	N.D.
27)	16 1242-4	0.000	0.000	0	0	N.D.	N.D.
28)	16 1242-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1242-1			0	0	N.D.	N.D.
	Average 1242-1					0.000	0.000
29)	19 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	19 1268-2	0.000	0.000	0	0	N.D.	N.D.
31)	19 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32)	19 1268-4	0.000	0.000	0	0	N.D.	N.D.
33)	19 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
	Average 1268-1					0.000	0.000
35)	17 1248-1	0.000	0.000	0	0	N.D.	N.D.
36)	17 1248-2	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest2\200302A\
 Data File : P2200302a-06.d
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 02 Mar 2020 10:33 am
 Operator : pest2:ht
 Sample : wg1345916-1,42e,,915 914ct
 Misc : wg1346069,wg1345916,ical16010
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 03 23:05:46 2020
 Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
 Quant Title : pcb
 QLast Update : Thu Feb 20 14:48:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest2\200302A\P2200302a-02.d
 Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) 17 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) 17 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) 17 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) 15 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) 15 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) 15 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) 15 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) 15 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) 18 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) 18 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) 18 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) 18 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) 18 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument
 Sum 1262-1 0 0 N.D. N.D.
 Average 1262-1 0.000 0.000

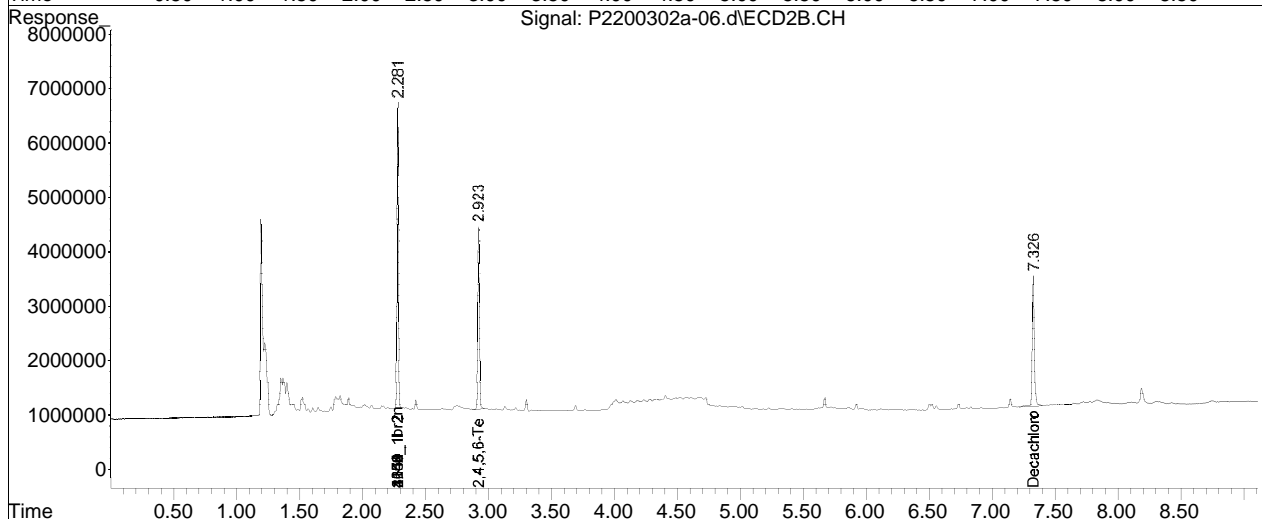
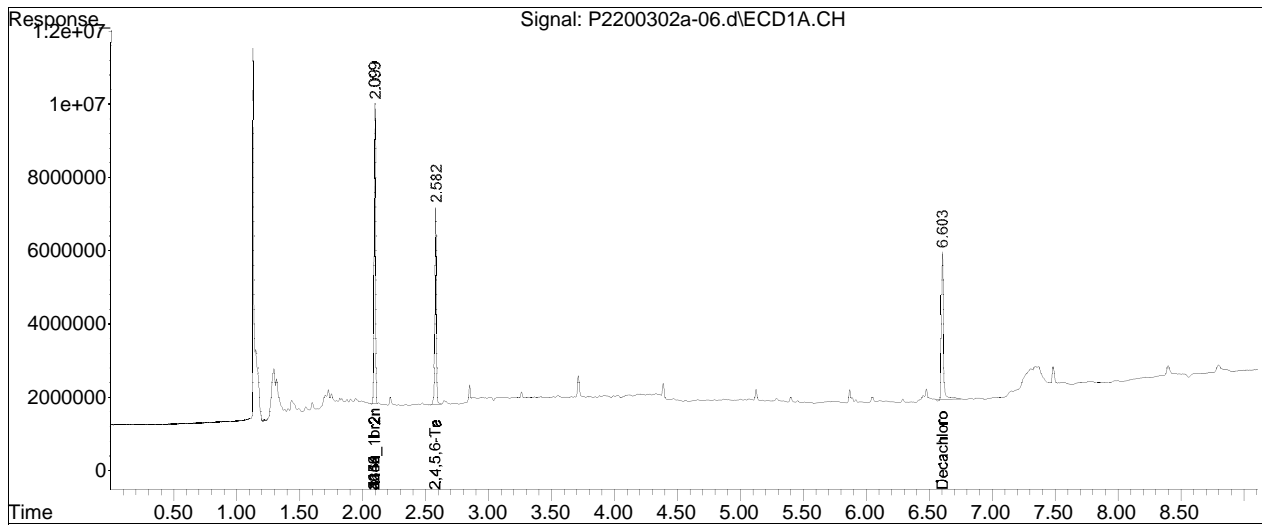
 (f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
 (#)=Recovery Exceeds Compound Acceptance Limits.
 (I,C,F) I=Interference, C=Coeluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed-02.d••ed)

Data Path : I:\Pest2\200302A\
Data File : P2200302a-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 Mar 2020 10:33 am
Operator : pest2:ht
Sample : wg1345916-1,42e,,915 914ct
Misc : wg1346069,wg1345916,ical16010
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 03 23:05:46 2020
Quant Method : I:\Pest2\200302A\P2_pcb_08_06_19_LVI_ugL_ICAL16010.m
Quant Title : pcb
QLast Update : Thu Feb 20 14:48:33 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\Pest2\200302A\ QMethod : P2_pcb_08_06_19_LVI_ugL_
Data File : P2200302a-06.d Operator : pest2:ht
Date Inj'd : 3/2/2020 10:33 am Instrument : PEST 2
Sample : wg1345916-1,42e,,915 914ctQuant Date : 3/3/2020 11:09 am

There are no manual integrations or false positives in this file.

Wet Chemistry

Total Solids / Percent Moisture Analysis

Results Summary

Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-01	Date Collected : 02/27/20 08:32
Client ID : E-174-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-02	Date Collected : 02/27/20 08:44
Client ID : E-174-2.0-2.5	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 86
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.1	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-03	Date Collected : 02/27/20 08:54
Client ID : E-174-3.5-4.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 85
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	85.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-04	Date Collected : 02/27/20 09:33
Client ID : E-164-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 69
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	68.7	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-05	Date Collected : 02/27/20 09:38
Client ID : E-164-2.0-2.5	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	84.0	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-06	Date Collected : 02/27/20 10:15
Client ID : E-205-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 80
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	79.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-07	Date Collected : 02/27/20 10:20
Client ID : E-205-2.0-2.5	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	84.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-08	Date Collected : 02/27/20 10:40
Client ID : E-205-3.0-3.5	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-11	Date Collected : 02/27/20 11:30
Client ID : E-141-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 83
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.3	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-12	Date Collected : 02/27/20 11:35
Client ID : E-141-2.0-2.5	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 84
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.5	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-13	Date Collected : 02/27/20 12:40
Client ID : E-154-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 90
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-14	Date Collected : 02/27/20 12:45
Client ID : E-154-2.0-2.5	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 81
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-15	Date Collected : 02/27/20 13:05
Client ID : E-156-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 94
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	94.2	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-16	Date Collected : 02/27/20 13:47
Client ID : E-157-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 95
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	94.6	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-17	Date Collected : 02/27/20 14:25
Client ID : E-202-0.5-1.0	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 96
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	96.4	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : L2008805-19	Date Collected : 02/27/20 00:00
Client ID : X-13-02272020	Date Received : 02/27/20
Sample Location : TRENTON, NJ	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 70
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	69.8	0.100	NA	



Form 1 WETCHEM

Client : Wood Env & Infrastructure Solutions	Lab Number : L2008805
Project Name : AMTRAK-EAST BARRACKS	Project Number : 277710568.0008.06
Lab ID : WG1345509-1	Date Collected : 02/27/20 08:32
Client ID : E-174-0.5-1.0DUP	Date Received : 02/27/20
Sample Location :	Date Analyzed : 02/28/20 13:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 121,2540G	Analyst : RI
Lab File ID : WG1345509.pdf	Instrument ID : BALANCE#47
Sample Amount :	%Solids : 88
Digestion Method :	Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	87.7	0.100	NA	



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client	: Wood Env & Infrastructure Solutions	Lab Number	: L2008805
Project Name	: AMTRAK-EAST BARRACKS	Project Number	: 277710568.0008.06
Client Sample ID	: E-174-0.5-1.0	Matrix	: SOIL
Lab Sample ID	: L2008805-01	Analysis Date	: 02/28/20 13:35
Dup Sample ID	: WG1345509-1	DUP Analysis Date	: 02/28/20 13:35

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	88.0	87.7	0	20



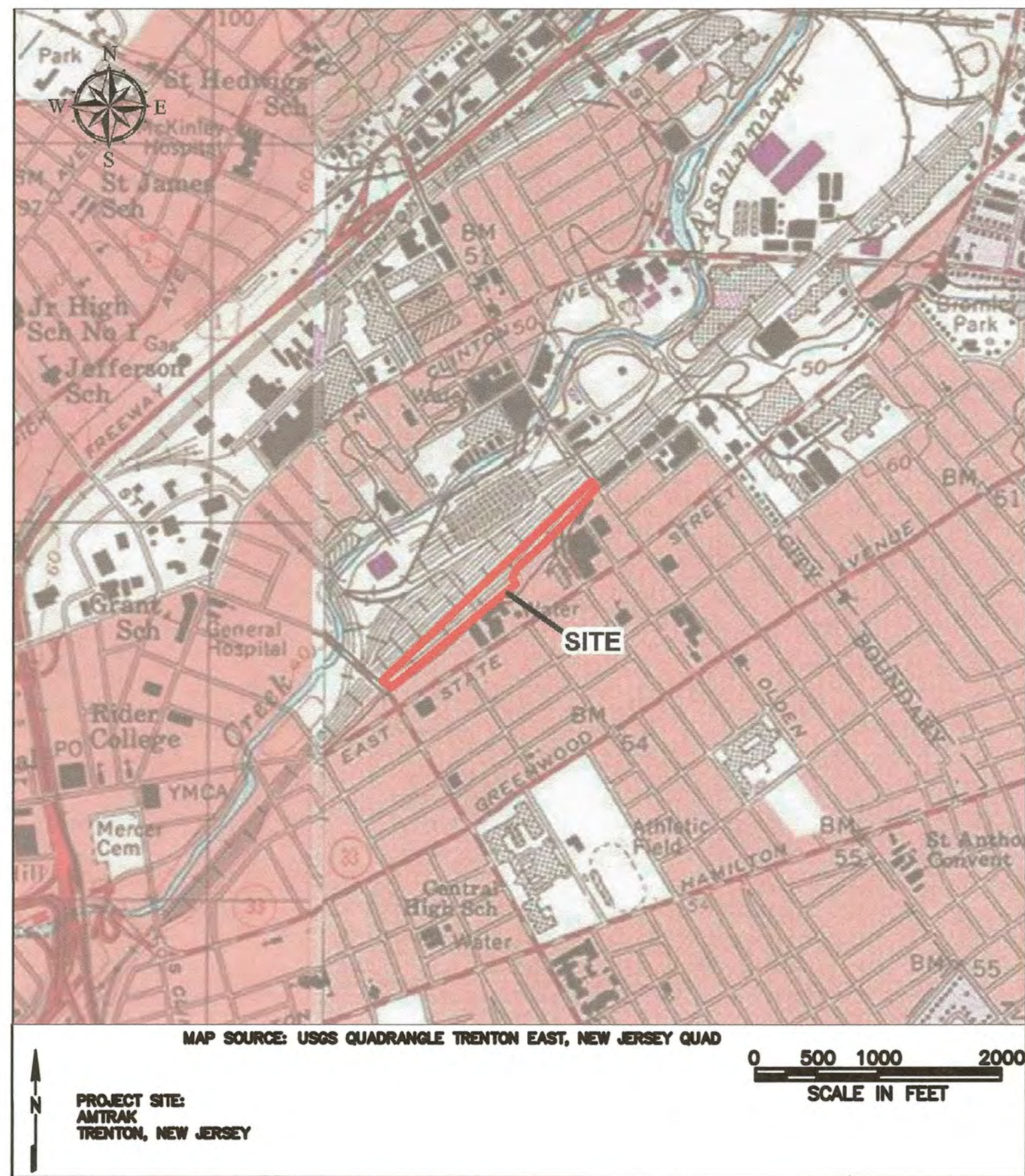


**Appendix F:
Approved Soil Erosion and Sediment
Control Plan**

SOIL EROSION & SEDIMENT CONTROL PLAN

EAST BARRACKS RAIL YARD, TRENTON, NJ

NATIONAL RAILROAD PASSENGER CORPORATION (AMTRAK) NEW YORK, NY JANUARY 2020



LOCUS MAP

DRAWING INDEX

SHEET NO.	DRAWING TITLE	DISCIPLINE NUMBER
1	COVER SHEET	G-001
2	PROJECT DESCRIPTION, LEGEND, ABBREVIATIONS AND GENERAL NOTES	G-002
3	EXISTING CONDITIONS: PHASE 1 (SHEET 1 OF 2)	C-101A
4	EXISTING CONDITIONS: PHASE 2 (SHEET 2 OF 2)	C-101B
5	SOIL EXCAVATION AREAS: PHASE 1 (SHEET 1 OF 2)	C-102A
6	SOIL EXCAVATION AREAS: PHASE 2 (SHEET 2 OF 2)	C-102B
7	SITE RESTORATION PLAN: PHASE 1 (SHEET 1 OF 2)	C-103A
8	SITE RESTORATION PLAN: PHASE 2 (SHEET 2 OF 2)	C-103B
9	SOIL EROSION AND SEDIMENT CONTROL PLAN: PHASE 1 (SHEET 1 OF 2)	S-101A
10	SOIL EROSION AND SEDIMENT CONTROL PLAN: PHASE 2 (SHEET 2 OF 2)	S-101B
11	SOIL & EROSION CONTROL PLAN NOTES	S-102
12	SOIL & EROSION CONTROL PLAN DETAILS	S-103

wood.

ENVIRONMENT &
INFRASTRUCTURE SOLUTIONS
285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 302-9500

NJ Certificate of Authorization
Number 24GA28010900

REV.	DATE	ISSUE/REVISION DESCRIPTION
0	1/9/2020	MS/SD PERMIT PJK RWC DRFT CHKD BY

PROJECT:
**EAST BARRACKS RAIL YARD
TRENTON, NJ**

TITLE:
COVER SHEET

CLIENT:
**NATIONAL RAILROAD
PASSENGER CORPORATION
(AMTRAK)
NEW YORK, NY**

SEAL: RICHARD W. CHAPIN



DESIGNED BY: RWC	DRAWN BY: PJK
CHECKED BY: MBL	DATE: 1/9/20
SCALE: N/A	REVISION: 0

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1'

PROJECT NUMBER:	277710568
DRAWING NUMBER:	G-001
SHEET NUMBER:	1 OF 12

UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN WOOD AND ITS CLIENT, (1) THIS DOCUMENT CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED AND (2) THIS DOCUMENT MAY ONLY BE USED BY THE CLIENT IN THE CONTEXT AND FOR THE EXPRESS PURPOSE FOR WHICH IT WAS DELIVERED. ANY OTHER USE OR RELIANCE ON THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK AND RESPONSIBILITY.

EAST BARRACKS PROJECT DESCRIPTION

The East Barracks Rail Yard Site is located at North Cook Avenue, Trenton, New Jersey and is owned by Amtrak (National Railroad Passenger Corporation). Remedial investigations of the Site have defined areas where Volatile Organic Compounds (VOC), Pesticide, Polynuclear Aromatic Hydrocarbon (PAH), metals and Polychlorinated Biphenyl (PCB) contamination exceeds New Jersey Soil Remediation Standards (N.J.A.C.7:26D et seq.). These investigations were implemented pursuant to the New Jersey *Spill Compensation and Control Act* (Spill Act), N.J.S.A 58:10-23 and under the United States Environmental Protection Agency (USEPA) *Toxic Substances and Control Act* (TSCA), 15 U.S.C. §2601 et seq.

This project is the execution of the Remedial Action Work Plan to address the VOC, Pesticide, PAH, metals and PCB contamination. Specifically, contaminated soils and materials will be excavated and transported off-site for disposal in accordance with Federal (*Toxic Substances and Control Act* (TSCA), 15 U.S.C. §2601 et seq., TSCA) and New Jersey Requirements (N.J.A.C. 7:1E, N.J.A.C 7:26C, N.J.A.C. 7:27E). The Site will be essentially restored in-kind.

Contamination resides in an area that is located along the southern portion of the East Barracks Rail Yard. It covers an area approximately 50 feet wide and one-half mile long. The contamination extends up to four feet below existing grade. The P.J. Hill Elementary School and a public park abut the area of the work.

Amtrak requires that the active excavation and movement of contaminated soil and materials occur only when the P.J. Hill Elementary School is not in session. The City of Trenton Board of Education Calendar typically has school sessions ending the last week of June and the following school year starting the day after Labor Day. Consequently, excavation activities may occur during a 62-calendar day (approximate) period.

As shown on these drawings, the Work has been divided into two phases. It is intended that the Work required in Phase 1 will be initiated in the summer 2020.

There are two classes of soil and materials that will be excavated and disposed offsite. Soil where the PCB concentrations are equal to or greater than 50 mg/kg are required to be disposed offsite at a TSCA landfill. Soil and materials where PCB concentrations are less than 50 mg/kg will be managed and disposed offsite in accordance with NJDEP requirements and the USEPA-approved Self-Implementing Cleanup Plan.

Tables 1 and 2 summarize the estimated volumes of each class of PCB contaminated soil and materials with in each Phase

PHASE 1 EXCAVATION AREAS

Area ID	PCB (mg/kg)	Area (sf)	Depth (ft)	Volume (cy)
EX-6	< 50 - ≥ 1	5895	2	437
EX-7	≥ 50	1425	2	106
EX-8	< 50 - ≥ 1	6528	2	484
EX-9	≥ 50	1760	2	130
EX-10	≥ 50	973	4	144
EX-11	≥ 50	6245	2	463
EX-12	< 50 - ≥ 1	7447	2	552
EX-13	< 50 - ≥ 1	5558	4	823
EX-14	≥ 50	2883	4	427
OFFSITE AOC-2A	≥ 0.2	1507	4	223
OFFSITE AOC-2B	≥ 0.2	10480	4	1553

PHASE 2 EXCAVATION AREAS

Area ID	PCB (mg/kg)	Area (sf)	Depth (ft)	Volume (cy)
EX-1	≥ 50	4067	4	603
EX-2	< 50 - ≥ 1	45833	2	3395
EX-3	≥ 50	1542	2	114
EX-4	< 50 - ≥ 1	1147	4	170
EX-5	< 50 - ≥ 1	9224	4	1367

AREA OF DISTURBANCE

Phase 1: ≈ 1.42 acres
Phase 2: ≈ 1.16 acres
Total: ≈ 2.58 acres

This project will be executed in conformance with a Soil Erosion and Sediment Control Plan (SESCP) prepared in accordance with the January 2014 "Standards for Soil Erosion and Sediment Control in New Jersey, 7th Edition. This SESCO has been certified by the Mercer County Soil Conservation District. Erosion control measures include, but are not limited to:

- Decontamination/tracking pad
- Stormwater inlet protection
- Restoration of vegetation
- Perimeter erosion control
- Dust suppression

As shown on Drawings C-101A and C-101B, the East Barracks site consists of impermeable surface and vegetated areas. Site restoration (see Drawings C-103A and C-103B) will replace each of these areas in-kind. Consequently, there will no change in the drainage characteristics of the site resulting from this project.

LEGEND

EXISTING		PROPOSED
	CATCH BASIN ROUND	
	ELECTRIC METER	
	FIBER OPTIC MARKER	
	INLET	
	MANHOLE	
	SIGN	
	SPOT ELEVATION	
	TREE	
	UTILITY POLE	
	VENT	
	VEGETATION	
	STABILIZED CONSTRUCTION ACCESS	
	INDEX CONTOUR	
	INTERMEDIATE CONTOUR	
	INDEX CONTOUR (THROUGH STEEP SLOPE AND/OR DEBRIS)	
	BOUNDARY LINE	
	FENCE	
	EDGE OF GRAVEL OR ASPHALT	
	OVERHEAD WIRE	
	TREE LINE	
	GUY WIRE	
	RAILROAD	

ABBREVIATIONS

BC	BOTTOM OF CURB	MIN	MINIMUM
BOE	BOTTOM OF EXCAVATION	MW	MONITORING WELL
BW	BOTTOM OF WALL	MON	MONUMENT
CJ	CONTROL JOINT	NGVD	NATIONAL GEODETIC VERTICAL DATUM
C.L	CHAIN LINK	NTS	NOT TO SCALE
CLR	CLEAR	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
COTR	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE		
CS	CARBON STEEL	OH/ELEC	OVERHEAD ELECTRIC
CY	CUBIC YARD	OHW	OVERHEAD WIRE
CL	CENTER LINE	PE	POST EXCAVATION
DI	DUCTILE IRON	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	PVC	POLYVINYL CHLORIDE
DOT	DEPARTMENT OF TRANSPORTATION	PZ	PIEZOMETER
E	ELECTRICAL	RET	RETAINING
EG	EXISTING GRADE	RCP	REINFORCE CONCRETE PIPE
EL	ELEVATION	R.O.W.	RIGHT OF WAY
EW	EACH WAY	SB	SOIL BORING
EXT	EXTRACTION WELL	SCH	SCHEDULE
FG	FINISHED GRADE	SF	SQUARE FEET
FM	FORCE MAIN	SS	SANITARY SEWER
FT	FEET	STA	STATION
FHYD	FIRE HYDRANT	TC	TOP OF CURB
G	GAS	TOC	TOP OF CONCRETE
GW	GROUND WATER	TOS	TOP OF STEEL
HDPE	HIGH DENSITY POLYETHYLENE	TSCA	TOXIC SUBSTANCES CONTROL ACT
HP	HIGH POINT	TW	TOP OF WALL
HYD	HYDRANT	TYP	TYPICAL
INV	INVERT	W	WATER
LP	LOW POINT	WV	WATER VALVE
MPT	MALE PIPE THREAD	W/	WITH
		Ø	DIAMETER

GENERAL NOTES

- The site entrance is only through the main gate at the north end of North Cook Avenue. There are no other entrances to the site. There will be no other entrances to the site during the work.
- The site is actively used by Amtrak and will be actively used by Amtrak throughout the work. Contractor shall conduct its activities in a fashion that will not inhibit or restrict Amtrak's access to, or use of, the site.
- Access to the P.J. Hill elementary school from North Cook Avenue must not be inhibited by the contractor throughout the work.
- The site is surrounded by a chain link fence. The fence separating active tracks from the work area on the north will remain and must be protected throughout the work. Damage due to contractor operations to this fence, if any, shall be immediately repaired at contractor's cost.
- Coordinate use of site with the project engineer. Project engineer will serve as main point of contact. Remedial work is to be conducted in such a way as to not impact facility operations (access, parking, etc.).
- Contractor shall establish survey location points (bench marks) as required to execute the scope of work. Known bench marks and their locations are noted herein and should be referenced in contractors work scope.
- Site security shall be maintained at all times. Storage of equipment and materials on site is at the sole risk and responsibility of the contractor.
- Known underground utilities and structures are shown on the drawings. The location of these existing underground utilities and structures should be considered approximate. Therefore, prior to the commencement of site activities, the contractor shall verify the location of all existing utilities or structures in the areas of work (call before you dig: NJ 1 call - (1-800-272-1000), if utilities are to remain in place. Provide adequate means of protection. The contractor shall confirm that any abandoned utility located within the limit of work has been abandoned in accordance with the requirements of the utility owner.
- Remedial activities are to be conducted in the immediate vicinity of trees, fence, underground utilities, above grade utilities, and above grade structures. It is the contractor's responsibility to take all necessary precautions to protect these features throughout the remedial activities. Any damage done by the contractor to the above listed features shall be repaired at no cost to owner. Excavation within 3 ft. of underground utilities shall be conducted using soft dig techniques.
- Should uncharted, or incorrectly charted, piping or other utilities be encountered during excavation, consult project engineer and the utility owner immediately for direction. Cooperate with the owner and utility companies in keeping respective facilities in operation. The contractor shall repair damaged utilities to satisfaction of owner and/or the utility owner.
- Utilities, fencing and all other aspects of site features shall be restored upon completion of the work unless otherwise indicated. On-site disturbed areas shall be restored as indicated on the drawings. Contractor shall be responsible to repair any damage they cause to North Cook Avenue to the satisfaction of the City of Trenton.
- Contractor shall obtain written approval from the City of Trenton to close North Cook Avenue for the execution of the work, if required by traffic safety plan.
- Sequencing of site preparation and clearing shall be coordinated with the sequence of soil excavation.
- Due to the relatively shallow depths of excavations, groundwater dewatering of excavation areas is not anticipated. However, accumulated stormwater within the excavation area will be controlled and managed by the contractor.
- A decontamination pad shall be placed adjacent to the active work area.
- Delineation of excavation limits and depths are based on the limits of VOC, pesticide, PAH, metals and PCB impact established during the pre-design soil sampling and testing programs. Verification sampling will be required for certain areas to ensure clean end points for horizontal and vertical delineation. No backfilling shall be started prior to consulting with the onsite project engineer to ensure that required delineation samples have been collected, analyzed, and deemed to have acceptable results.
- Stockpiling/on-site temporary storage in roll-off containers of contaminated soil will be as directed by the project engineer. Direct loading for off-site transport and disposal is allowed as approved by the project engineer.
- During excavation activities, the exposed soil will be protected from excess drying (kept moist but not wet). Also protect cut slopes from erosion due to run-on or runoff and deterioration due to construction activities (foot or equipment traffic).
- All utility owners shall be notified 72 hours prior to the start and/or restart of construction in their easement.
- Mercer County Soil Conservation District shall be notified 48 hours prior to the start of ground disturbance.
- Surveyor to locate and verify limits of excavation and mark in field and update the site survey with post-remediation changes.
- Post-ex samples will be tested in a lab on a 24-hour turnaround (48 hours to receive results) to determine concentration of the PCB contamination. If found to be more than the acceptable level, the contractor will excavate additional soil as directed by the project engineer, and additional post-ex samples will be collected and analyzed on a 24-hour turnaround. This process shall be repeated as necessary until clean soil is located.
- All areas excavated will be backfilled upon approval of the project engineer after review of post-ex sample results without re-contaminating remediated areas. It's the contractor's responsibility to provide the project engineer with the phasing sequence.
- The contractor is responsible to follow all safety precautions necessary to protect sides of the excavated areas.
- All excavated areas will be restored to the existing grades as designated on the drawings.
- All vegetation disturbances will be replaced in accordance with the site restoration plan.
- Trees smaller than 12-inch diameter will be removed prior to excavation. Trees 12 inches in diameter breast height (dbh) and greater shall remain and be protected throughout the work.
- Trees along the edge/boundary of excavation limits should be protected from falling.
- Contractor shall protect tree roots. Excavation in and around the roots of trees greater than 12 inch dbh shall be conducted using hand tools and all roots shall be protected to the maximum extent practicable.
- Perimeter air monitoring will be conducted by the project engineer. Contractor shall mitigate and/or stop work if perimeter air monitoring exceedances are detected. All activities will be conducted in accordance with the project's Perimeter Air Monitoring Plan (PAMP).
- Contractor shall implement dust control measures during all activities that may generate airborne dust emissions, including, but not limited to, excavation truck loading, backfilling, road sweeping, temporary stockpiling of soils within excavation. Visible airborne dust will be minimized at all times. The following control measures shall be used as necessary:
 - Limiting the size of excavations
 - Applying potable water mist
 - Covering of fill surfaces with final cover material as soon as final subgrades are achieved
 - Install wind screen on perimeter fence
 - Decontaminate all construction equipment before releasing them from the site
 - Provide wheel and chassis wash for all vehicles that pass from unpaved surfaces onto pavement. All vehicle shall exit the site via the tracking pad/decontamination station.
- Contractor to obtain local permits required.
- The regular work hours are between 7:30 am to 4:00 pm., Monday through Friday. Alternate hours of work may be approved by owner upon request.



ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 380-9900

NJ Certificate of Authorization
Number 24GA28010900

NO.	DATE	REV.	DESCRIPTION
0	1/21/2020		ISSUE/REVISION DESCRIPTION

PROJECT: EAST BARRACKS RAIL YARD TRENTON, NJ
TITLE: PROJECT DESCRIPTION, LEGEND, ABBREVIATIONS AND GENERAL NOTES

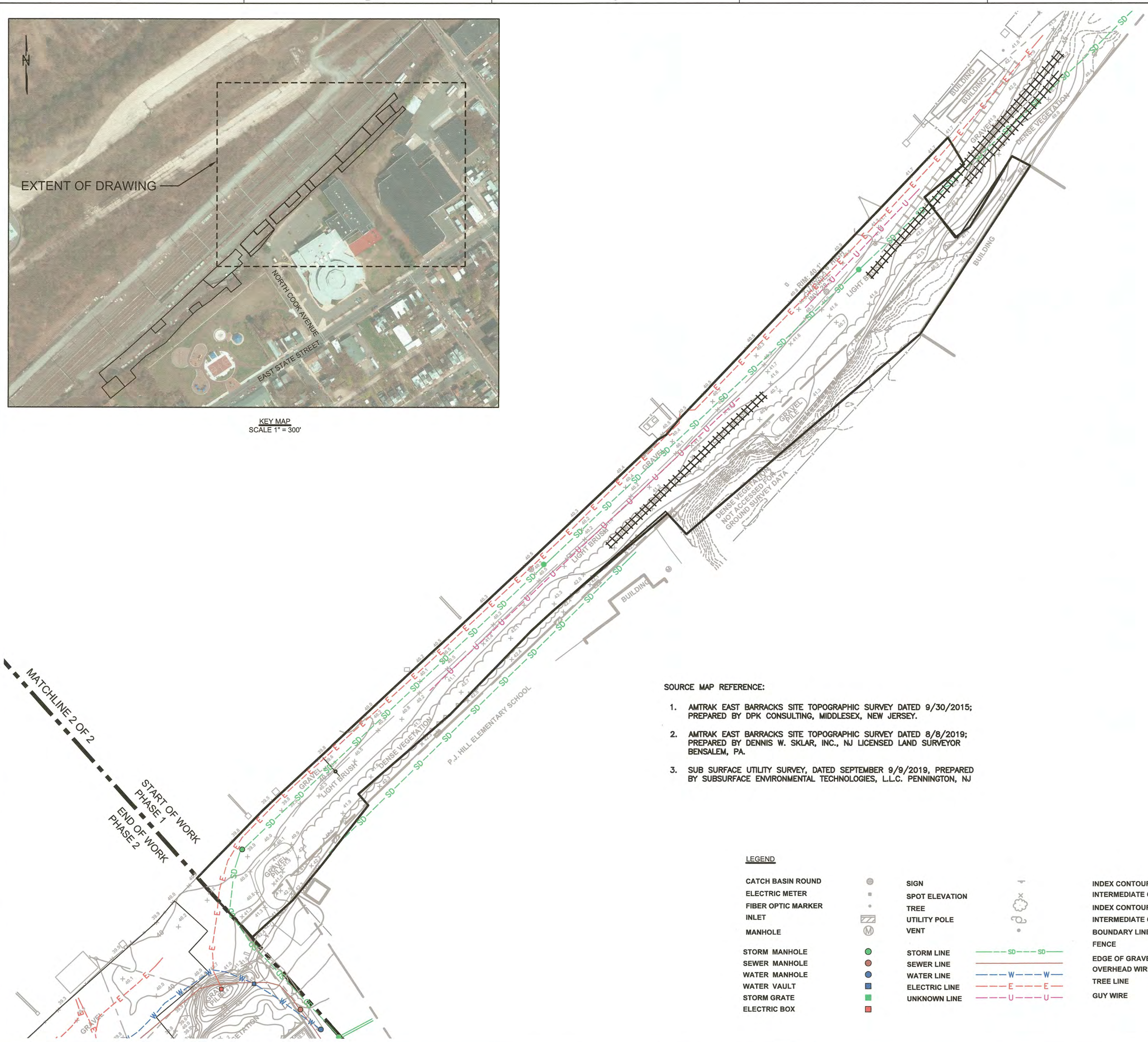
CLIENT: NATIONAL RAILROAD PASSENGER CORPORATION (AMTRAK) NEW YORK, NY

DESIGNED BY: RWC
CHECKED BY: MBL
SCALE: N/A
PROJECT NUMBER: 277710568
DRAWING NUMBER: G-002
SHEET NUMBER: 2 OF 12

DESIGNED BY: RWC
DRAWN BY: PJK
DATE: 1/21/20
REVISION: 0
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PROJECT NUMBER: 277710568
DRAWING NUMBER: G-002
SHEET NUMBER: 2 OF 12



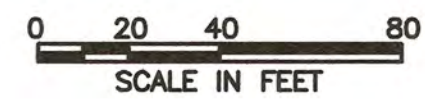
KEY MAP
SCALE 1" = 300'



- SOURCE MAP REFERENCE:
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 2. AMTRAK EAST BARRACKS SITE TOPOGRAPHIC SURVEY DATED 8/8/2019; PREPARED BY DENNIS W. SKLAR, INC., NJ LICENSED LAND SURVEYOR BENSLEM, PA.
 3. SUB SURFACE UTILITY SURVEY, DATED SEPTEMBER 9/9/2019, PREPARED BY SUBSURFACE ENVIRONMENTAL TECHNOLOGIES, L.L.C. PENNINGTON, NJ

LEGEND

CATCH BASIN ROUND		SIGN		INDEX CONTOUR	
ELECTRIC METER		SPOT ELEVATION		INTERMEDIATE CONTOUR	
FIBER OPTIC MARKER		TREE		INDEX CONTOUR (THROUGH STEEP SLOPE AND/OR DEBRIS)	
INLET		UTILITY POLE		INTERMEDIATE CONTOUR (THROUGH STEEP SLOPE AND/OR DEBRIS)	
MANHOLE		VENT		BOUNDARY LINE	
STORM MANHOLE		STORM LINE		FENCE	
SEWER MANHOLE		SEWER LINE		EDGE OF GRAVEL OR ASPHALT	
WATER MANHOLE		WATER LINE		OVERHEAD WIRE	
WATER VAULT		ELECTRIC LINE		TREE LINE	
STORM GRATE		UNKNOWN LINE		GUY WIRE	
ELECTRIC BOX					



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285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 552-6500

NJ Certificate of Authorization
Number 24GA28010900

REV	DATE	ISSUE/REVISION DESCRIPTION	CHKD BY	DRFT BY	RWC
0	1/7/2020	MCSGD PERMIT			

PROJECT: EAST BARRACKS RAIL YARD
TRENTON, NJ
TITLE: EXISTING CONDITIONS:
PHASE 1 (SHEET 1 OF 2)

CLIENT: NATIONAL RAILROAD
PASSENGER CORPORATION
(AMTRAK)
NEW YORK, NY

SEAL: RICHARD W. CHAPIN
NJ PROFESSIONAL ENGINEER
LICENSE NUMBER GE27860

DESIGNED BY: RWC	DRAWN BY: PJK
CHECKED BY: MBL	DATE: 1/7/20
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PROJECT NUMBER: 277710568	
DRAWING NUMBER: C-101A	
SHEET NUMBER: 3 OF 12	



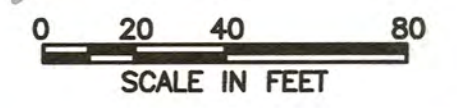
KEY MAP
SCALE 1" = 300'

SOURCE MAP REFERENCE:

1. AMTRAK EAST BARRACKS SITE TOPOGRAPHIC SURVEY DATED 9/30/2015; PREPARED BY DPK CONSULTING, MIDDLESEX, NEW JERSEY.
2. AMTRAK EAST BARRACKS SITE TOPOGRAPHIC SURVEY DATED 8/8/2019; PREPARED BY DENNIS W. SKLAR, INC., NJ LICENSED LAND SURVEYOR BENSLEM, PA.
3. SUB SURFACE UTILITY SURVEY, DATED SEPTEMBER 9/9/2019, PREPARED BY SUBSURFACE ENVIRONMENTAL TECHNOLOGIES, L.L.C. PENNINGTON, NJ

LEGEND

●	CATCH BASIN ROUND	○	SIGN	—	INDEX CONTOUR
○	ELECTRIC METER	○	SPOT ELEVATION	---	INTERMEDIATE CONTOUR
○	FIBER OPTIC MARKER	○	TREE	---	INDEX CONTOUR (THROUGH STEEP SLOPE AND/OR DEBRIS)
○	INLET	○	UTILITY POLE	---	INTERMEDIATE CONTOUR (THROUGH STEEP SLOPE AND/OR DEBRIS)
○	MANHOLE	○	VENT	---	BOUNDARY LINE
○	STORM MANHOLE	○	STORM LINE	---	FENCE
○	SEWER MANHOLE	○	SEWER LINE	---	EDGE OF GRAVEL OR ASPHALT
○	WATER MANHOLE	○	WATER LINE	---	OVERHEAD WIRE
○	WATER VAULT	○	ELECTRIC LINE	---	TREE LINE
○	STORM GRATE	○	UNKNOWN LINE	---	GUY WIRE
○	ELECTRIC BOX	○		---	



wood.
ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 302-9500

NJ Certificate of Authorization
Number 24GA28010900

NO.	DATE	REV.	DESCRIPTION
0	1/6/2020		MISC PERMIT

PROJECT: **EAST BARRACKS RAIL YARD
TRENTON, NJ**
TITLE: **EXISTING CONDITIONS:
PHASE 2 (SHEET 2 OF 2)**

CLIENT: **NATIONAL RAILROAD
PASSENGER CORPORATION
(AMTRAK)
NEW YORK, NY**

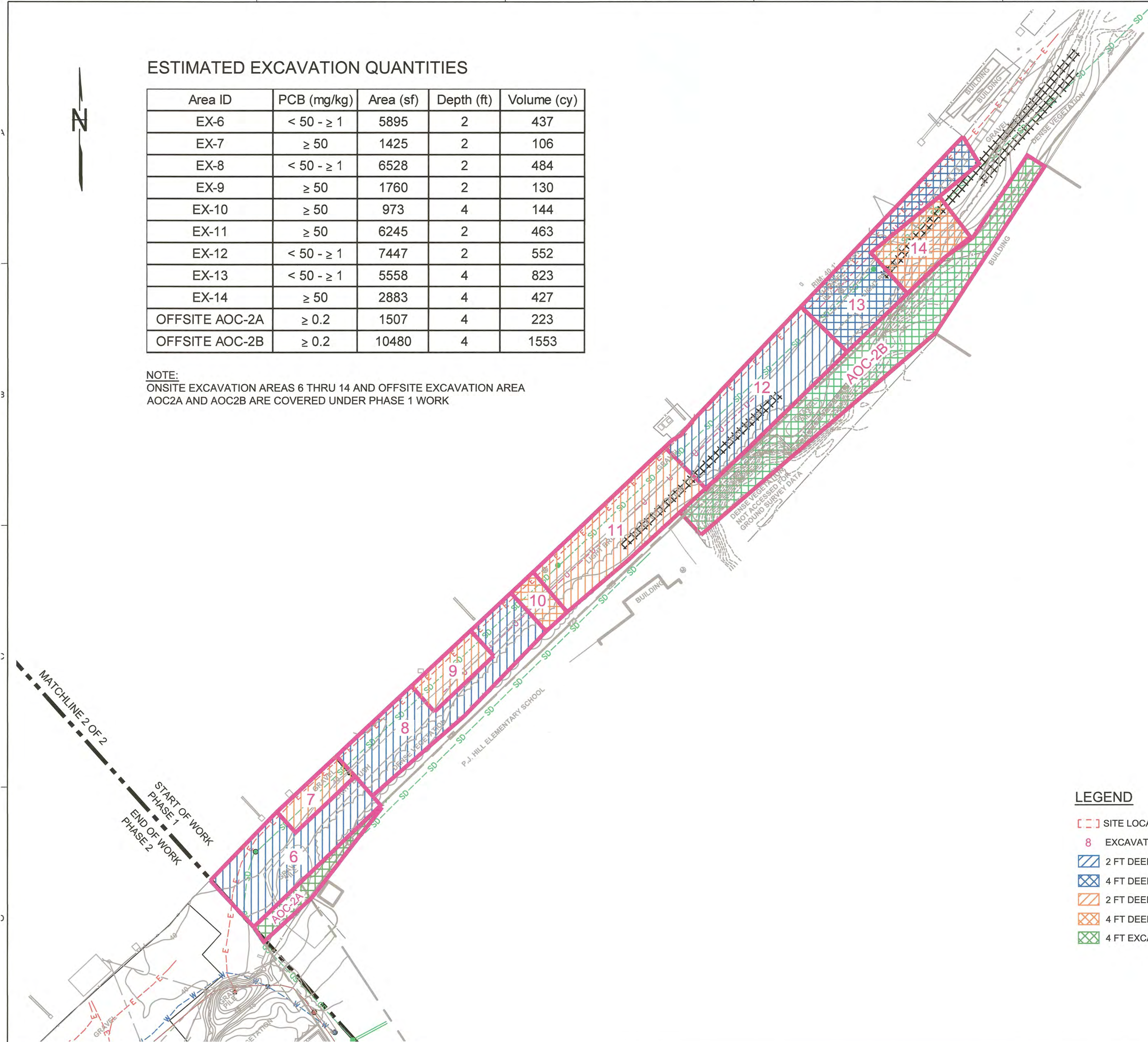
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CHECKED BY: MBL
DATE: 1/6/20
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PROJECT NUMBER: 277710568
DRAWING NUMBER: C-101B
SHEET NUMBER: 4 OF 12

ESTIMATED EXCAVATION QUANTITIES

Area ID	PCB (mg/kg)	Area (sf)	Depth (ft)	Volume (cy)
EX-6	< 50 - ≥ 1	5895	2	437
EX-7	≥ 50	1425	2	106
EX-8	< 50 - ≥ 1	6528	2	484
EX-9	≥ 50	1760	2	130
EX-10	≥ 50	973	4	144
EX-11	≥ 50	6245	2	463
EX-12	< 50 - ≥ 1	7447	2	552
EX-13	< 50 - ≥ 1	5558	4	823
EX-14	≥ 50	2883	4	427
OFFSITE AOC-2A	≥ 0.2	1507	4	223
OFFSITE AOC-2B	≥ 0.2	10480	4	1553

NOTE:
ONSITE EXCAVATION AREAS 6 THRU 14 AND OFFSITE EXCAVATION AREA AOC2A AND AOC2B ARE COVERED UNDER PHASE 1 WORK



LEGEND

- [] SITE LOCATION
- 8 EXCAVATION AREA ID NUMBER
- [Blue diagonal lines] 2 FT DEEP EXCAVATION (PCB CONCENTRATION < 50 - ≥ 1 MG/KG)
- [Blue cross-hatch] 4 FT DEEP EXCAVATION (PCB CONCENTRATION < 50 - ≥ 1 MG/KG)
- [Orange diagonal lines] 2 FT DEEP EXCAVATION (PCB CONCENTRATION ≥ 50 MG/KG)
- [Orange cross-hatch] 4 FT DEEP EXCAVATION (PCB CONCENTRATION ≥ 50 MG/KG)
- [Green cross-hatch] 4 FT EXCAVATION OFFSITE (PCB CONCENTRATION ≥ 0.2 MG/KG)



wood.
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285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 302-6500

NJ Certificate of Authorization
Number 24GA28010900

REV	DATE	DESCRIPTION
0	1/7/2020	MCSGD PERMIT ISSUEREVISION DESCRIPTION

PROJECT: EAST BARRACKS RAIL YARD
TRENTON, NJ
TITLE: SOIL EXCAVATION AREAS:
PHASE 1
(SHEET 1 OF 2)

CLIENT:
NATIONAL RAILROAD
PASSENGER CORPORATION
(AMTRAK)
NEW YORK, NY

SEAL: RICHARD W. CHAPIN
NJ PROFESSIONAL ENGINEER
LICENSE NUMBER GE27860

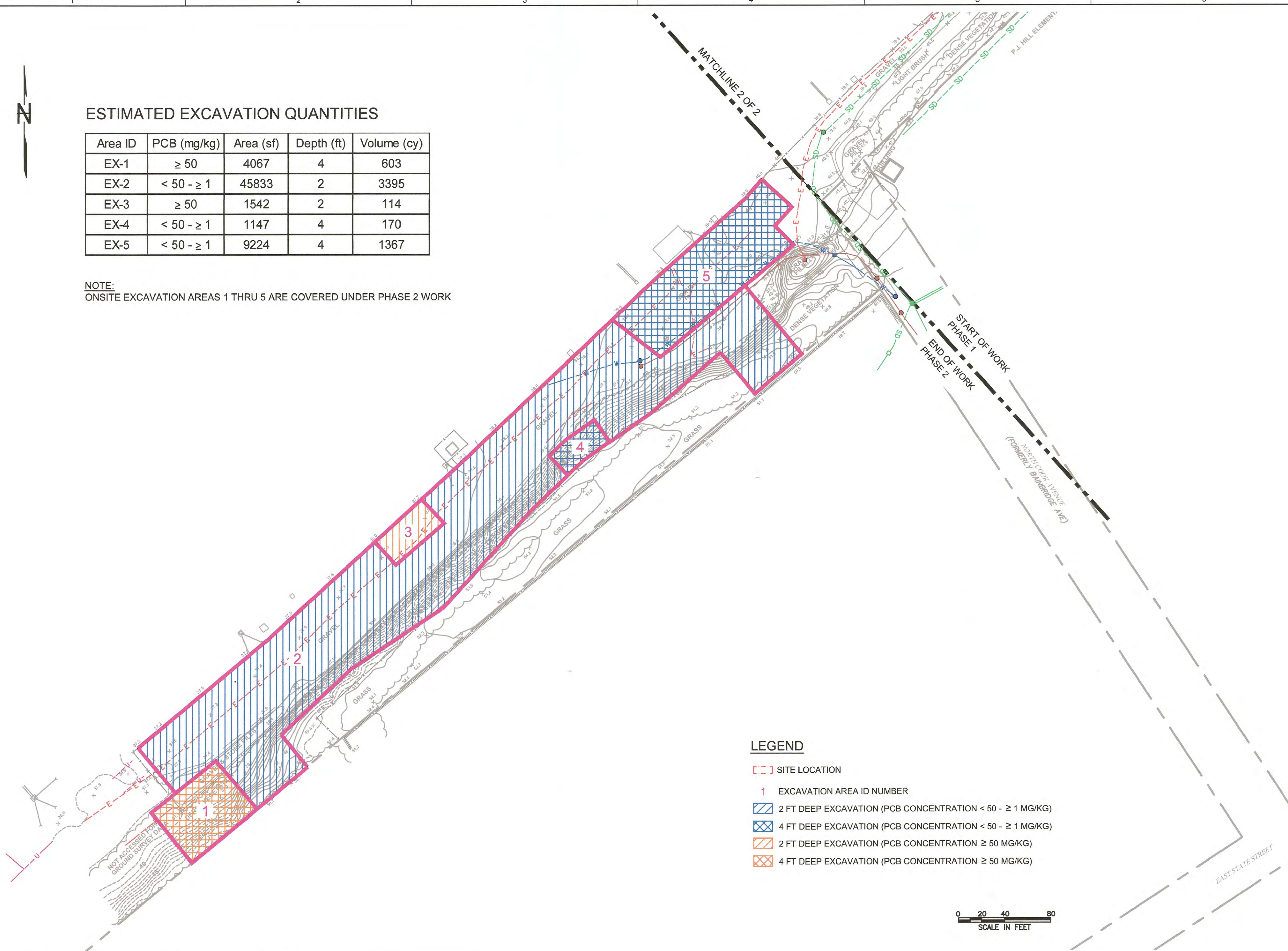
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CHECKED BY: MBL DATE: 1/7/20
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PROJECT NUMBER: 277710568
DRAWING NUMBER: C-102A
SHEET NUMBER: 5 OF 12



ESTIMATED EXCAVATION QUANTITIES

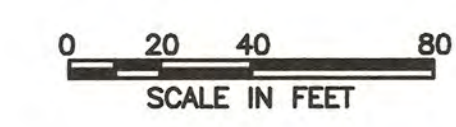
Area ID	PCB (mg/kg)	Area (sf)	Depth (ft)	Volume (cy)
EX-1	≥ 50	4067	4	603
EX-2	< 50 - ≥ 1	45833	2	3395
EX-3	≥ 50	1542	2	114
EX-4	< 50 - ≥ 1	1147	4	170
EX-5	< 50 - ≥ 1	9224	4	1367

NOTE:
ONSITE EXCAVATION AREAS 1 THRU 5 ARE COVERED UNDER PHASE 2 WORK



LEGEND

- [Red dashed box] SITE LOCATION
- 1 EXCAVATION AREA ID NUMBER
- [Blue diagonal hatch] 2 FT DEEP EXCAVATION (PCB CONCENTRATION < 50 - ≥ 1 MG/KG)
- [Blue cross-hatch] 4 FT DEEP EXCAVATION (PCB CONCENTRATION < 50 - ≥ 1 MG/KG)
- [Orange diagonal hatch] 2 FT DEEP EXCAVATION (PCB CONCENTRATION ≥ 50 MG/KG)
- [Orange cross-hatch] 4 FT DEEP EXCAVATION (PCB CONCENTRATION ≥ 50 MG/KG)



ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
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SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 308-6600

NJ Certificate of Authorization
Number 24GA28010900

NO.	REV.	DATE	ISSUE/REVISION DESCRIPTION
0	1/17/2020		MISC PERMIT

DESIGNED BY: RWC
CHECKED BY: MBL
SCALE: 1"=50'

DRAWN BY: PJK
DATE: 1/7/20
REVISION: 0

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PROJECT NUMBER: 277710568
DRAWING NUMBER: C-102B
SHEET NUMBER: 6 OF 12

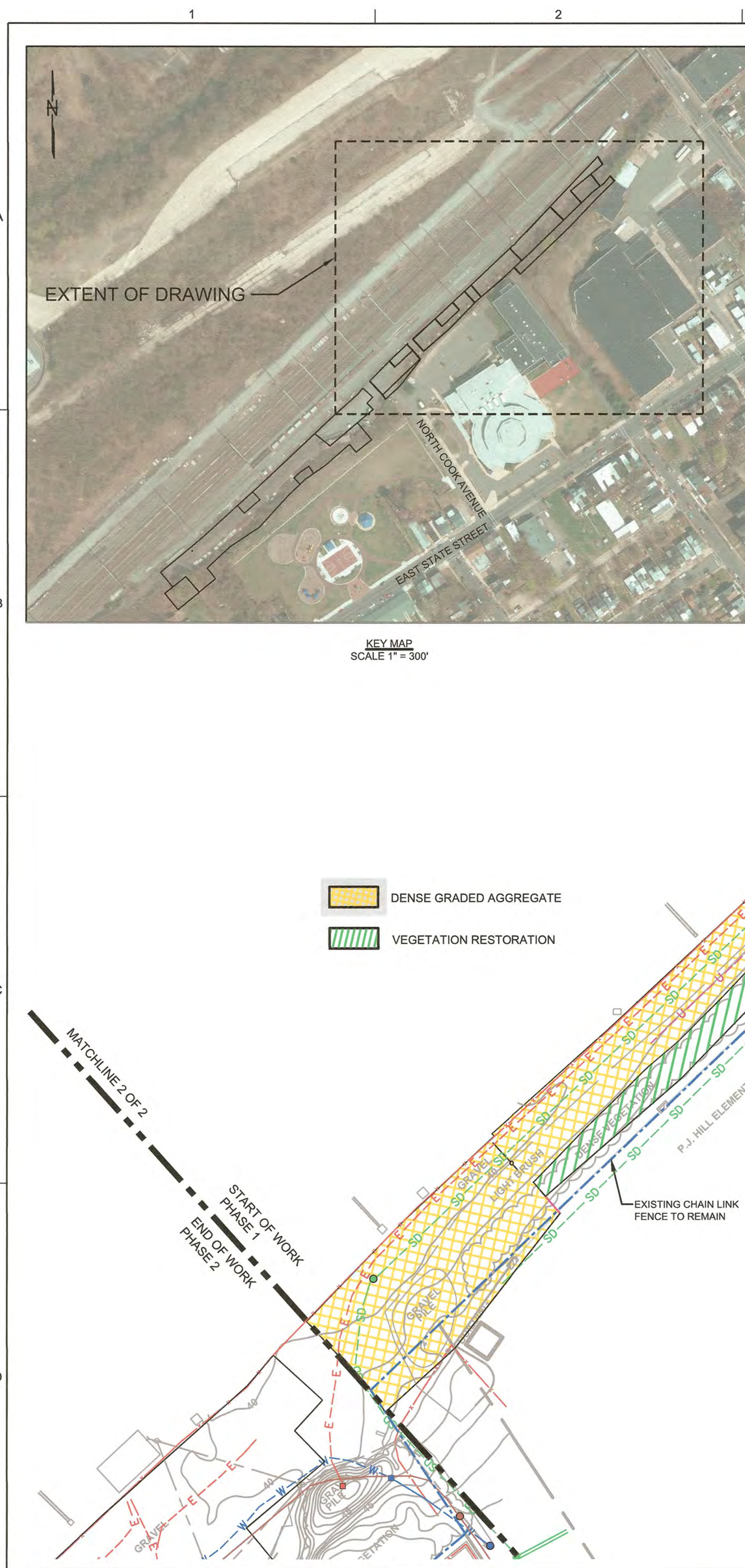
PROJECT: EAST BARRACKS RAIL YARD
TRENTON, NJ

TITLE: SOIL EXCAVATION AREAS:
PHASE 2
(SHEET 2 OF 2)

CLIENT: NATIONAL RAILROAD PASSENGER CORPORATION (AMTRAK)
NEW YORK, NY

SEAL: RICHARD W. CHAPIN
NJ PROFESSIONAL ENGINEER
LICENSE NUMBER GE27860

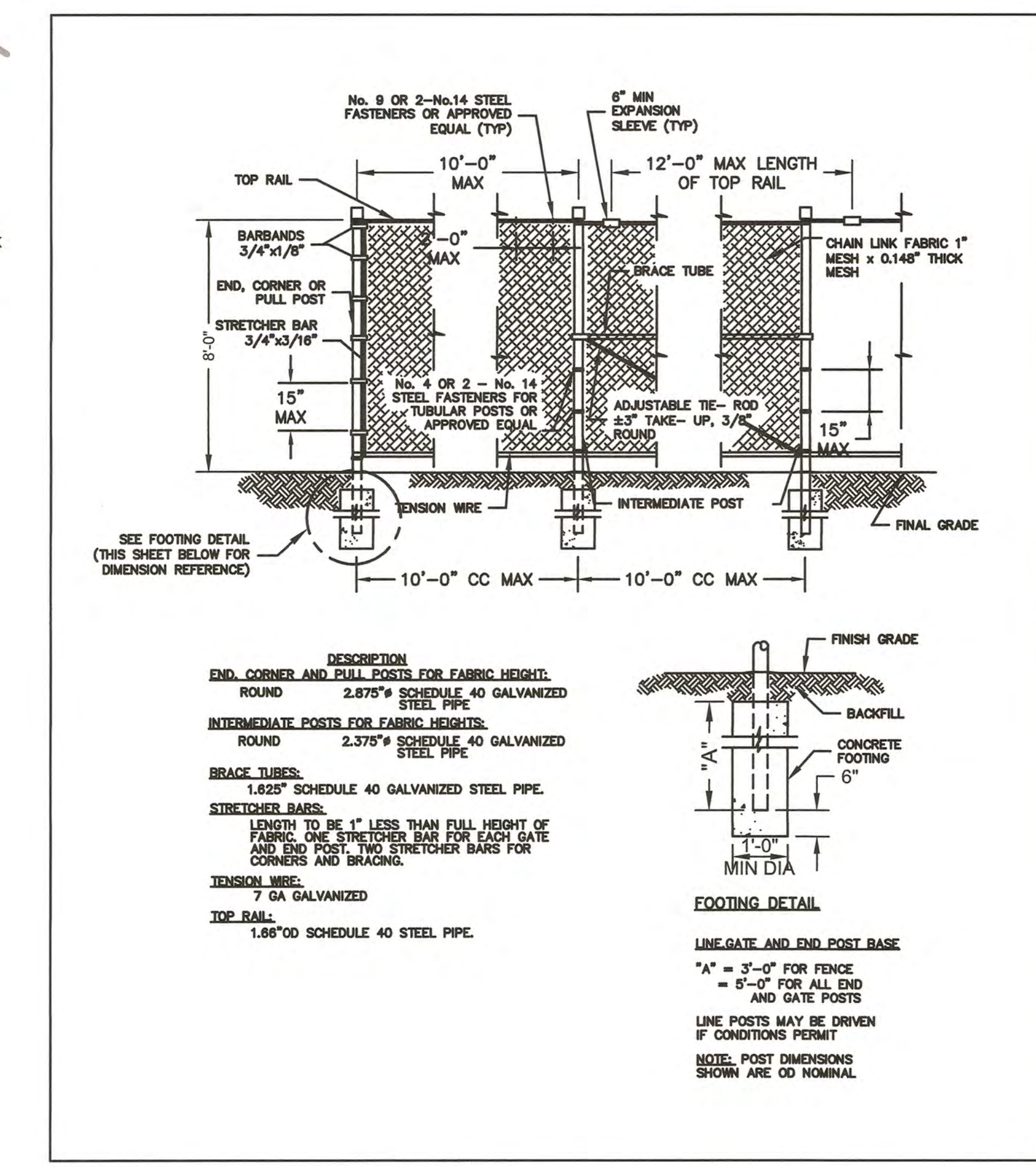
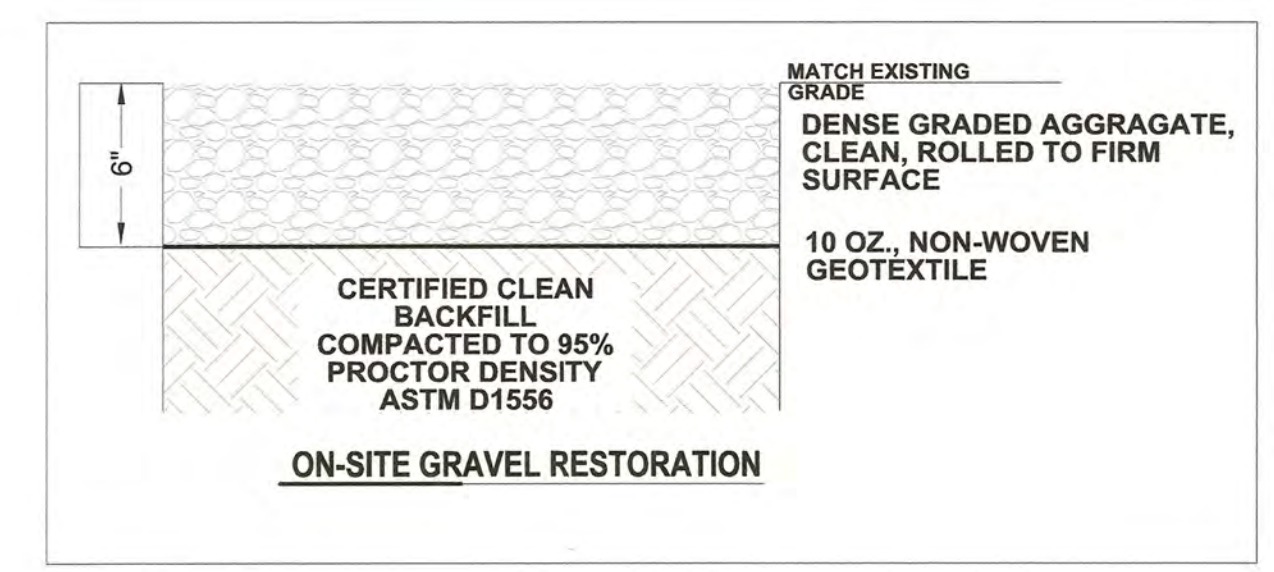
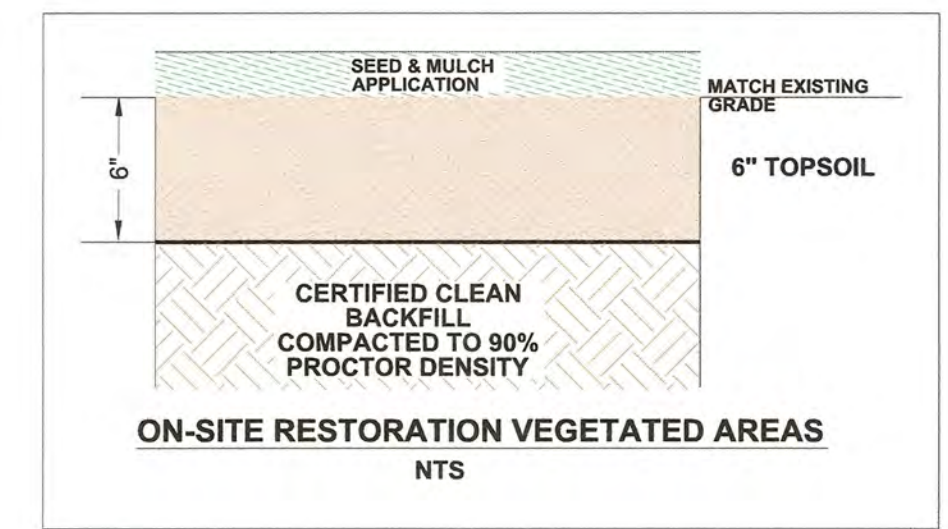
UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN WOOD AND ITS CLIENT, THIS DOCUMENT CONTAINS INFORMATION, DATA AND DESIGN THAT IS CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED, AND (C) THE DOCUMENT MAY ONLY BE USED BY THE CLIENT IN THE CONTEXT AND FOR THE EXPRESS PURPOSE FOR WHICH IT HAS BEEN DELIVERED. ANY OTHER USE OR RELIANCE ON THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK AND RESPONSIBILITY.



- NOTES:
1. A WATER CONNECTION IS NOT AVAILABLE ON-SITE. CONTRACTOR TO PROVIDE POTABLE WATER FOR DECONTAMINATION, TRAILERS, WATERING OF VEGETATION, ETC.
 2. EXISTING STORMWATER DRAINAGE IS PREDOMINANTLY SHEET FLOW THAT INFILTRATES, BUT TWO STORMWATER INLETS, CONNECTED TO A 4-FOOT WIDE BY 6 FOOT HIGH BOX CULVERT, WERE IDENTIFIED IN THE WORK AREA AS SHOWN ON THE CONSTRUCTION DRAWINGS. CONTRACTOR SHALL MAINTAIN DRAINAGE TO EXISTING INLETS. CONTRACTOR SHALL PROTECT ALL STORM WATER INLETS AS SPECIFIED BY THE SESC. CONTRACTOR SHALL PROTECT EXCAVATION WORK AREA FROM FLOODING. CONTRACTOR SHALL BE ADVISED THAT SITE IS SUBJECTED TO FLOODING DURING RAINFALL EVENTS.
 3. STORMWATER WILL BE DIRECTED AWAY FROM WORK AREAS AND ALLOWED TO RE-INFILTRATE ON-SITE. ANY STORMWATER THAT COMES IN CONTACT WITH CONTAMINATED SOIL SHALL BE STORED IN FRAC TANKS ON-SITE. ANALYZED FOR WASTE CHARACTERIZATION BY THE CONTRACTOR, AND TRANSPORTED FOR OFF-SITE DISPOSAL IN ACCORDANCE WITH ALL APPLICABLE FEDERAL AND STATE LAWS AND REGULATIONS. DATA FOR ALL TESTING OF ALL ACCUMULATED WATER SHALL BE PROVIDED TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL BEFORE ANY WATER MAY BE TRANSPORTED OFF SITE.
 4. ALL THE CONTAMINATED SOIL STOCKPILES (LOCATION TO BE DETERMINED) WILL BE PROTECTED BY BARRIERS, UNDERLAIN BY AN HDPE LINER AND COVERED WITH TARPS AND SAND BAGS TO PREVENT RUN-ON AND AVOID DIRECT CONTACT OF STORM WATER WITH CONTAMINATED SOIL.
 5. AIR MONITORING STATIONS WILL BE INSTALLED AND MONITORED BY PROJECT ENGINEER.
 6. CONTRACTOR TO OBTAIN A ROAD CLOSURE PERMIT FOR NORTH COOK AVENUE FROM CITY OF TRENTON IF REQUIRED BY TRAFFIC SAFETY PLAN.

KEY MAP
SCALE 1" = 300'

- DENSE GRADED AGGREGATE
- VEGETATION RESTORATION



NEW FENCE INSTALLATION



wood.
ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 932-9900

NJ Certificate of Authorization
Number 24GA28010900

NO.	REV.	DATE	ISSUE/REVISION DESCRIPTION
0	11/02/20		MCSGD PERMIT

PROJECT: EAST BARRACKS RAIL YARD
TRENTON, NJ

TITLE: SITE RESTORATION PLAN:
PHASE 1 (SHEET 1 OF 2)

CLIENT: NATIONAL RAILROAD PASSENGER CORPORATION (AMTRAK)
NEW YORK, NY

DESIGNED BY: RWC
CHECKED BY: MBL
SCALE: 1"=50'

DRAWN BY: PJK
DATE: 1/10/20
REVISION: 0

VERIFY SCALE

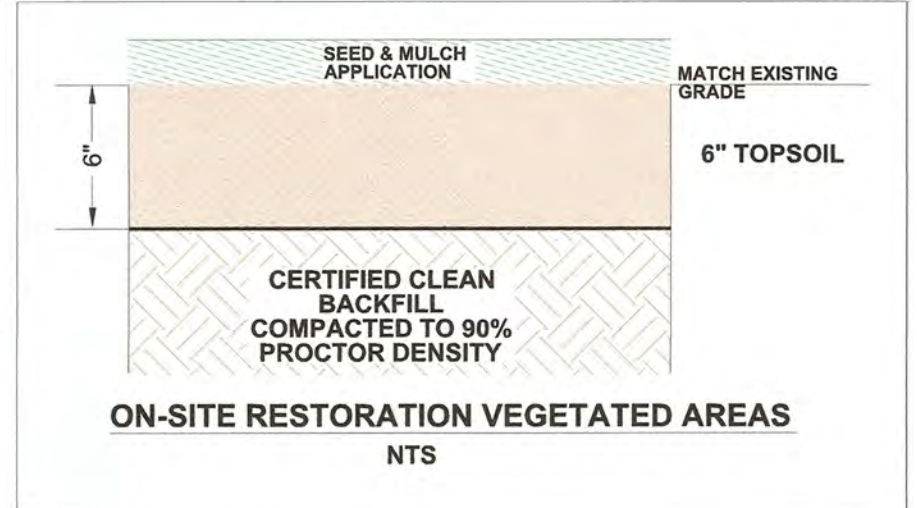
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

PROJECT NUMBER: 277710568
DRAWING NUMBER: C-103A
SHEET NUMBER: 7 OF 12

SEAL: RICHARD W. CHAPIN
NJ PROFESSIONAL ENGINEER
LICENSE NUMBER: GE2780

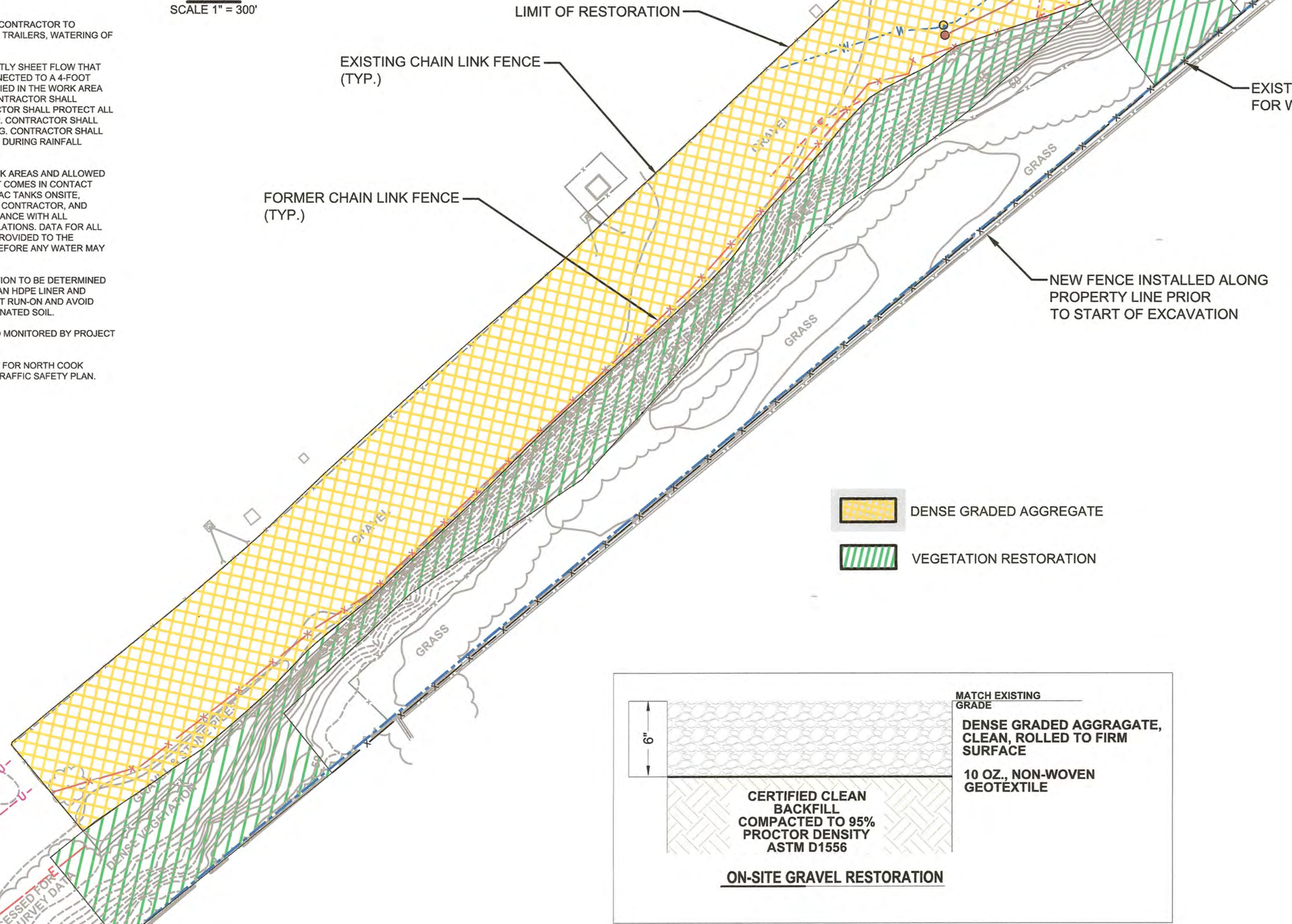


- LEGEND**
- BOUNDARY LINE
 - FENCE
 - STORM LINE
 - SEWER LINE
 - WATER LINE
 - ELECTRIC LINE
 - UNKNOWN LINE

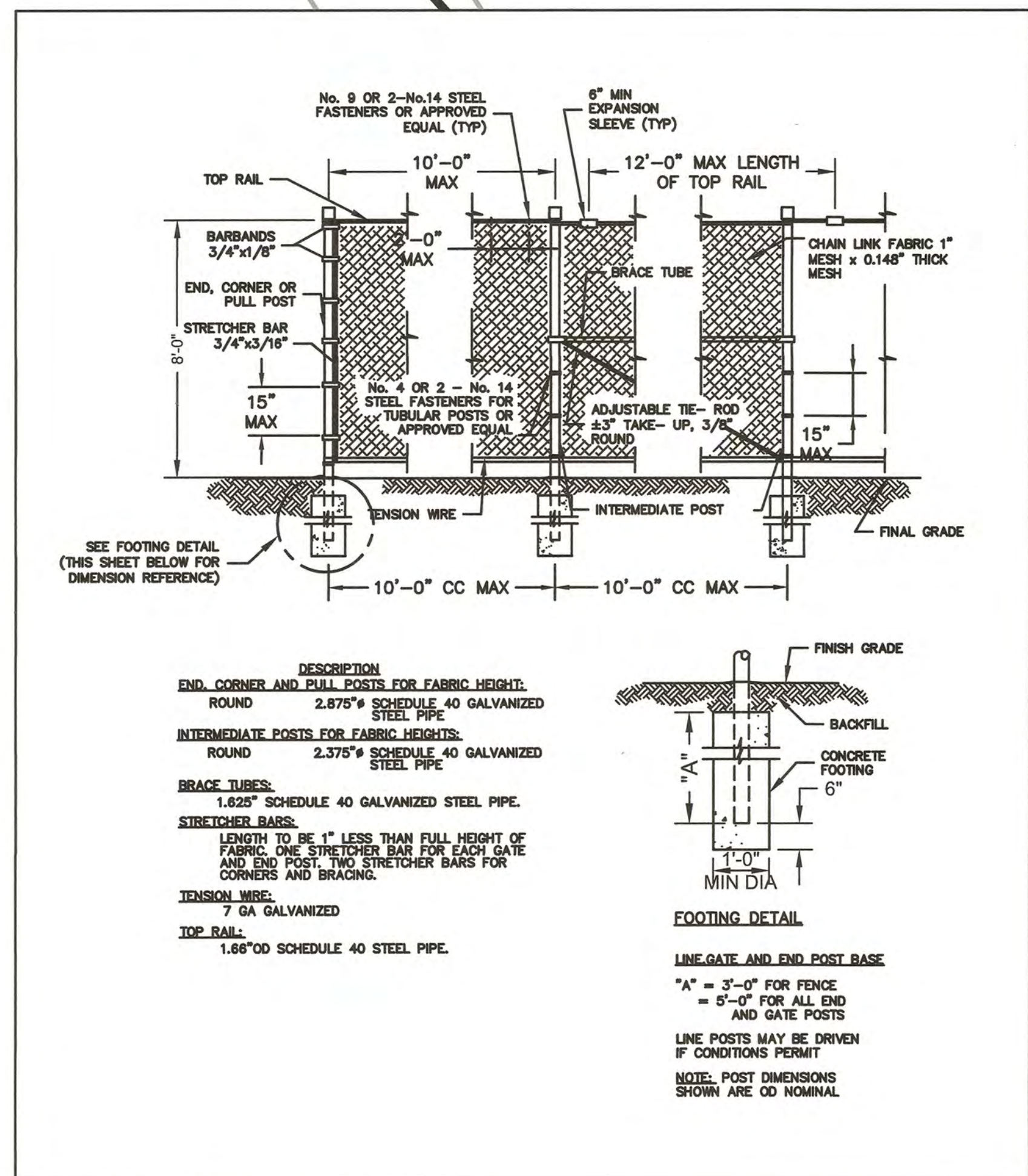


- NOTES:**
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KEY MAP
SCALE 1" = 300'



- DENSE GRADED AGGREGATE
- VEGETATION RESTORATION



SCALE IN FEET
0 20 40 80

wood.
ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 952-8500

NJ Certificate of Authorization
Number 24GA28010900

NO.	REV.	DATE	ISSUE/REVISION DESCRIPTION
0	1/10/2020		MCSGD PERMIT

PROJECT: EAST BARRACKS RAIL YARD
TRENTON, NJ

EXISTING CONDITIONS:
PHASE 2 (SHEET 2 OF 2)

CLIENT:
NATIONAL RAILROAD
PASSENGER CORPORATION
(AMTRAK)
NEW YORK, NY

DESIGNED BY: RWC
DRAWN BY: PJK
CHECKED BY: MBL
DATE: 1/10/20
SCALE: 1"=50'
REVISION: 0

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
PROJECT NUMBER: 277710568
DRAWING NUMBER: C-103B
SHEET NUMBER: 8 OF 12



KEY MAP
SCALE 1" = 300'

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MATCHLINE 2 OF 2
START OF WORK PHASE 1
END OF WORK PHASE 2

PORTABLE TRUCK DECONTAMINATION PAD (IN LIEU OF STABILIZED TRACKING PAD) TO BE RELOCATED AS WORK PROGRESSES, IF NEEDED. (DECONTAMINATION WATER TO BE COLLECTED IN FRAC TANK FOR OFFSITE T & D)

PROTECT EXISTING OVERHEAD WIRE (TYP.)

CONTRACTOR TO SECURE TEMPORARY POWER DROP FROM EXISTING UTILITY POLE. ONSITE ELECTRICAL SERVICE LINE TO BE COORDINATED WITH UTILITY.

FRAC TANK (LOCATION TO BE DETERMINED)

SILT FENCE AND/OR HAY BALE TO BE USED AS SES CONTROLS (SEE SHEET S-103 FOR DETAIL)

TO BE RELOCATED AS NEEDED

CLEAN FILL STOCKPILE

TO BE RELOCATED AS NEEDED

LEGEND

- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- INDEX CONTOUR (THROUGH STEEP SLOPE AND/OR DEBRIS)
- INTERMEDIATE CONTOUR (THROUGH STEEP SLOPE AND/OR DEBRIS)
- BOUNDARY LINE
- FENCE
- EDGE OF GRAVEL OR ASPHALT
- OVERHEAD WIRE
- TREE LINE
- GUY WIRE
- CATCH BASIN ROUND
- ELECTRIC METER
- FIBER OPTIC MARKER
- INLET
- MANHOLE
- SIGN
- SPOT ELEVATION
- TREE
- UTILITY POLE
- VENT



wood.
ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 302-6500

NJ Certificate of Authorization
Number 24GA28010900

REV	DATE	DESCRIPTION	ISSUED/REVISION DESCRIPTION
0	1/21/2020		MCSGD PERMIT

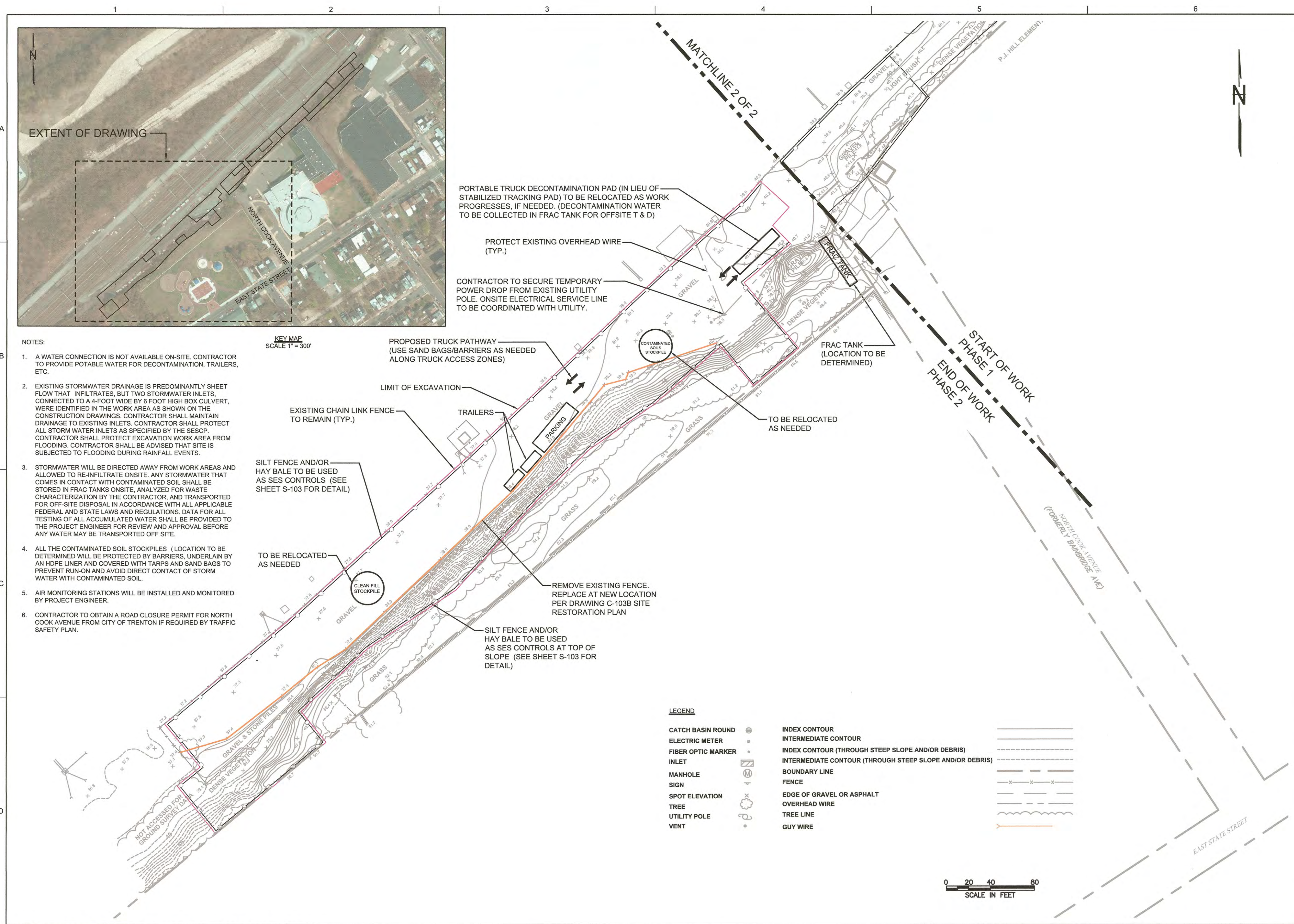
PROJECT: EAST BARRACKS RAIL YARD
TRENTON, NJ

TITLE: SOIL EROSION AND
SEDIMENT CONTROL PLAN:
PHASE 1 (SHEET 1 OF 2)

CLIENT: NATIONAL RAILROAD
PASSENGER CORPORATION
(AMTRAK)
NEW YORK, NY

SEAL: RICHARD W. CHAPIN
NJ PROFESSIONAL ENGINEER
LICENSE NUMBER GE27860

DESIGNED BY: RWC
DRAWN BY: PJK
CHECKED BY: MBL
DATE: 1/21/20
SCALE: 1"=50'
REVISION: 0
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"
PROJECT NUMBER:
DRAWING NUMBER: S-101A
SHEET NUMBER: 9 OF 12

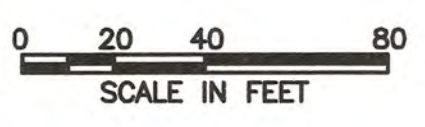


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KEY MAP
SCALE 1" = 300'

LEGEND

- | | |
|--------------------|----------------------------------------------------------|
| CATCH BASIN ROUND | INDEX CONTOUR |
| ELECTRIC METER | INTERMEDIATE CONTOUR |
| FIBER OPTIC MARKER | INDEX CONTOUR (THROUGH STEEP SLOPE AND/OR DEBRIS) |
| INLET | INTERMEDIATE CONTOUR (THROUGH STEEP SLOPE AND/OR DEBRIS) |
| MANHOLE | BOUNDARY LINE |
| SIGN | FENCE |
| SPOT ELEVATION | EDGE OF GRAVEL OR ASPHALT |
| TREE | OVERHEAD WIRE |
| UTILITY POLE | TREE LINE |
| VENT | GUY WIRE |



wood.
ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 323-8500

NJ Certificate of Authorization
Number 24GA28010900

NO.	DATE	REV	DESCRIPTION
0	12/1/2020		MCSGD PERMIT
			ISSUE/REVISION DESCRIPTION

PROJECT: **EAST BARRACKS RAIL YARD
TRENTON, NJ**
TITLE: **SOIL EROSION AND
SEDIMENT CONTROL PLAN:
PHASE 2 (SHEET 2 OF 2)**

CLIENT: **NATIONAL RAILROAD
PASSENGER CORPORATION
(AMTRAK)
NEW YORK, NY**

DESIGNED BY: RWC
DRAWN BY: PJK
CHECKED BY: MBL
DATE: 1/21/20
SCALE: 1"=50'
REVISION: 0

VERIFIED SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
PROJECT NUMBER: 277710568
DRAWING NUMBER: S-101B
SHEET NUMBER: 10 OF 12

**MERCER COUNTY SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL NOTES**

- The Mercer County Soil Conservation District shall be notified 48 hours prior to starting land disturbance activity. Notice may be mailed, faxed or emailed to: **MCSGD, 590 Hughes Drive, Hamilton Square, NJ 08690**
Phone: 609-586-9603 Fax: 609-586-1117 Email: Pauls1mercer@aol.com
- If applicable to this project, the owner should be aware of his or her obligation to file for a NJPDES Construction Activity Stormwater 5G3 Permit (NJG0088323) via the NJDEP online permitting system (www.nj.gov/dep/online) and to maintain the associated best management practices and Stormwater Pollution Prevention Plan self-inspection logbook onsite at all times. This permit must be filed prior to the start of soil disturbance. The online application process will require entry of an SCD certification code, which is provided by the Soil Conservation District upon certification of the Soil Erosion and Sediment Control Plan.
- The Mercer County Soil Conservation District shall be notified of any changes in ownership.
- Any changes to the Certified Soil Erosion and Sediment Control Plan, including an increase in the limit of disturbance, will require the submission of revised Soil Erosion and Sediment Control Plans to the District for recertification. The revised plans must meet all current State Soil Erosion & Sediment Control STANDARDS.
- A copy of the certified Soil Erosion and Sediment Control plan shall be maintained on site at all times.
- All Soil Erosion and Sediment Control practices shall be installed prior to any major soil disturbances, or in their proper sequence as outlined within the Sequence of Construction on the Certified Soil Erosion and Sediment Control Plan, and maintained until permanent protection is established.
- All work shall be done in accordance with the current STANDARDS for Soil Erosion and Sediment Control in NJ. If language contained within any other permit for this project is more restrictive than (but not contradictory to) what is contained within these notes or on the Certified Soil Erosion and Sediment Control Plan, then the more restrictive permit requirements shall be followed.
- The Standard for Stabilized Construction Access requires the installation of a 1 1/2" to 2 1/2" clean stone tracking pad at all construction driveways immediately after initial site disturbance, whether identified on the certified plan or not. The width shall span the full width of egress, and length shall be 50 ft. or more, depending on site conditions and as required by the STANDARD. This shall include individual lot access points within residential subdivisions. If the egress is to a County road, then a 20 ft. long paved transition shall be provided between the edge of pavement and the stone access pad.
- A sub-base course will be applied immediately following rough grading and installation of improvements in order to stabilize streets, roads, driveways and parking areas. In areas where no utilities are present, the sub-base shall be installed within 15 days of preliminary grading, provided that all other requirements related to detention basins, swales and the Sequence of Construction have been met.
- Any disturbed areas that will be left exposed more than 14 days and not subject to construction activity will immediately receive temporary stabilization. If the season prevents establishment of a temporary vegetative cover, or if the area is not topsoiled, then the disturbed areas will be mulched with straw, or equivalent material, at a rate of two (2) tons per acre, according to State STANDARDS. Sloped areas in excess of 3H:1V shall be provided with erosion control blankets. Critical areas subject to erosion (i.e. steep slopes, roadway embankments, environmentally sensitive areas) will receive temporary stabilization immediately after initial disturbance or rough grading.
- Any steep slopes (i.e. slopes greater than 3:1) receiving pipeline or utility installation will be backfilled and stabilized daily, as the installation proceeds.
- Permanent vegetation shall be seeded or sodded on all exposed areas within ten (10) days after final grading and topsoiling. All agronomic requirements contained within the STANDARDS and on the Certified Plan shall be employed. Mulch with binder, in accordance with the STANDARDS, shall be used on all seeded areas. Save all tags and/or bags used for seed, lime and fertilizer, and provide them to the District inspector to verify that mixtures and rates meet the STANDARDS.
- At the time when the site preparation for permanent vegetative stabilization is going to be accomplished, any soil that will not provide a suitable environment to support adequate vegetative ground cover, shall be removed or treated in such a way that will permanently adjust the soil conditions and render it suitable for vegetative ground cover. If the removal or treatment of the soil will not provide suitable conditions, then non-vegetative means of permanent ground stabilization will have to be employed.
- During the course of construction, soil compaction may occur within haul routes, staging areas and other project areas. In accordance with the Standard for Topsoiling, compacted surfaces should be scarified 6" to 12" immediately prior to topsoil application. This will help ensure a good bond between the topsoil and subsoil. This practice is permissible only where there is no danger to underground utilities (cables, irrigation systems, etc.).
- Prior to seeding, topsoil shall be worked to prepare a proper seedbed. This shall include raking of the topsoil and removal of debris and stones, along with other requirements of the Standard for Permanent Vegetative Cover for Soil Stabilization.
- In accordance with the STANDARD for Management of High Acid Producing Soils, any soil having a pH of 4 or less or containing iron sulfides shall be buried with limestone in accordance with the STANDARD and be covered with a minimum of 12" of soil having a pH of 5 or more prior to topsoil application and seedbed preparation. If the area is to receive tree or shrub plantings, or is located on a slope, then the area shall be covered with a minimum of 24" of soil having a pH of 5 or more.
- Mulching to the STANDARDS is required for obtaining a Conditional Report of Compliance. Conditional ROC's are only issued when the season prohibits seeding. Permanent stabilization must then be completed during the optimum seeding season immediately following the Conditional ROC, or the completion of work in a given area.
- Hydroseeding is a two-step process. The first step includes seed, fertilizer, lime, etc., along with minimal amounts of mulch to promote consistency, good seed-to-soil contact, and give a visual indication of coverage. Upon completion of the seeding operation, hydromulch should be applied at a minimum rate of 1500 lbs. per acre in second step. The use of hydro-mulch, as opposed to straw, is limited to optimum seeding dates as listed in the STANDARDS. The use of hydromulch on sloped areas is discouraged.
- The contractor is responsible for keeping all adjacent roads clean during life of the construction project. All sediment washed, dropped, tracked or spilled onto paved surfaces shall be immediately removed.
- The developer shall be responsible for remediating any erosion or sediment problems that arise as a result of ongoing construction, and for employing additional erosion and sediment control measures at the request of the Mercer County Soil Conservation District.
- Conduit Outlet Protection must be installed at all required outfalls prior to the drainage system becoming operational.
- All detention / retention basins must be fully constructed (inclusive of all structural components and liners) and permanently stabilized prior to paving or prior to the addition of any impervious surfaces. Permanent stabilization includes, but may not be limited to: topsoil, seed, straw mulch and binders or erosion control blankets on all seeding, all agronomic requirements as specified on the Certified Soil Erosion and Sediment Control Plan, installation of the outflow control structures and discharge storm drainage piping, low flow channels, conduit outlet protection, emergency spillways, and lap ring protection.
- The riding surface of all utility trenches within paved areas shall be 3/4" clean stone or base pavement until such time as final pavement has been installed. Temporary soil riding surfaces are prohibited.
- All construction dewatering (trenches, excavations, etc.) must be done through an inlet or outlet filter in accordance with the Standard for Dewatering or as depicted on the Certified Soil Erosion and Sediment Control Plan. Discharge locations for the dewatering operation must contain perennial vegetation or similar stable surface.
- All swales or channels that will receive runoff from paved surfaces must be permanently stabilized prior to the installation of pavement. If the season prohibits the establishment of permanent stabilization, the swales or channels may be temporarily stabilized in accordance with the STANDARDS.
- NJSA 4:24-39 et seq. requires that no Certificate of Occupancy or Temporary Certificate of Occupancy be issued by the Municipality before the provisions of the Certified Soil Erosion and Sediment Control Plan have been satisfied. Therefore, all site work for site plans and all work around individual lots in subdivisions must be completed before the District issues a Report of Compliance or Conditional Report of Compliance, which must be forwarded to the Municipality prior to the issuance of a Certificate of Occupancy or Temporary Certificate of Occupancy, respectively.

PLANTING SCHEDULE

PLANTING PLAN FOR WOODED AREA

Species	Plant Type	Recommended Container Size	Spacing (ft. on-center)	Total # Plants
<i>Acer rubrum</i> (Red maple)	Tree	#3	30	8
<i>Celtis occidentalis</i> (Common hackberry)	Tree	#2	30	8
<i>Juniperus virginiana</i> (Eastern redcedar)	Tree	#2	30	8
<i>Liquidambar styraciflua</i> (Sweetgum)	Tree	#3	30	8
<i>Pinus virginiana</i> (Virginia pine)	Tree	#2	30	8
<i>Prunus serotina</i> (Black cherry)	Tree	#3	30	8
<i>Rhus aromatica</i> (Fragrant sumac)	Shrub	#1	30	8
<i>Rhus copallinum</i> (Winged sumac)	Shrub	#2	30	8
<i>Rhus glabra</i> (Smooth sumac)	Tree	#2	30	8
<i>Viburnum prunifolium</i> (Blackhaw)	Shrub	#1	30	8

Seed entire area with quick cover erosion control mix such as either of the following:

- MCSGD 'Wildlife Habitat Enhancement' Mix (40% Switchgrass or Coastal Panicgrass; 30% Canada Smoothgrass or Smooth Bromgrass; 10% Orchardgrass; 10% White Clover; 5% Japanese Millet; 5% Birdsfoot Trefoil) at 100 lbs./acre or approved equal;
- MCSGD 'Reclamation, Erosion Control & Acid Soils' Mix (40% Switchgrass; 25% Serecia Lespedeza or Flat Pea; 15% Tall Fescue or Creeping Red Fescue; 15% Deertongue; 5% Birdsfoot Trefoil) at 150 lbs. per acre or approved equal

- Notes:
- #1 container = 7" deep by 6" diameter pot.
 - #2 container = 9" deep by 8" diameter pot.
 - #3 container = 9.63" deep by 11" diameter pot.
 - The number of different tree and shrub species may be reduced based on nursery inventory; however, a minimum of three (3) different tree species and two (2) different shrub species should be used.
 - Install 50% of these plants in the PHASE 1 restoration area and 50% of these plants in the PHASE 2 restoration area.

Permanent Seeding Schedule

Seed Selection	Planting Rate		Optimal Planting Period
	LB PER ACRE	LB PER 1000 S.F.	
Wildlife Habitat Enhancement Mix	100	2.3	8/15-10/15

- TO BE PLANTED IN ACCORDANCE WITH "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY".
- PRIOR TO SEEDING, APPLY GROUND LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS.
- MAY BE PLANTED ONLY IF SOIL MOISTURE IS ADEQUATE OR SEEDED AREA CAN BE IRRIGATED.

Temporary Seeding Schedule

Seed Selection	Planting Rate		Optimal Planting Period
	LB PER ACRE	LB PER 1000 S.F.	
Reclamation, Erosion Control & Acid Soil Mix	100	2.3	8/15-10/15

- TO BE PLANTED IN ACCORDANCE WITH "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY".
- SUMMER SEEDINGS SHOULD ONLY BE CONDUCTED WHEN THE AREA TO BE SEEDED IS IRRIGATED.

INSPECTION AND MAINTENANCE:

SEDIMENT BARRIERS:

- HAY BALE BARRIERS AND SILT FENCE SHALL BE INSPECTED AND REPAIRED IMMEDIATELY, AS NEEDED, FOLLOWING ANY RAINFALL AND DAILY DURING PROLONGED RAINFALL. OTHERWISE, INSPECTION SHALL BE WEEKLY, AT A MINIMUM. INSPECTIONS, INCLUDING PHOTOGRAPHS, SHALL BE RECORDED IN THE CONTRACTOR'S DAILY REPORT
- SEDIMENT SHALL BE REMOVED FROM THE UPSTREAM FACE OF THE BARRIER WHEN IT HAS REACHED A HALF DEPTH OF THE BARRIER HEIGHT.
- REPAIR OR REPLACE BARRIER (FABRIC, POSTS, BALES, ETC.) IMMEDIATELY WHEN DAMAGED.
- BARRIERS SHALL BE INSPECTED DAILY FOR SIGNS OF DETERIORATION AND SEDIMENT REMOVAL.

TOPSOIL NOTES:

- TOPSOIL FOR AREAS TO BE SEEDED, WHETHER EXISTING OR IMPORTED, SHALL BE TESTED BY CERTIFIED SOIL LAB, AND SHALL BE CERTIFIED TO EXHIBIT THE FOLLOWING CHARACTERISTICS: THIS TESTING IS IN ADDITION TO TESTING TO CERTIFY THE TOPSOIL IS CLEAN.
 - SOIL pH OF 5.0-6.5 (INCLUSIVE).
 - ORGANIC MATTER 2.75% - 85% BY VOLUME AS DETERMINE BY DRY COMBUSTION.
 - CLASSIFIED AS A LOAM, IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.
 - HAVING A MECHANICAL ANALYSIS (SIEVE) & HYDROMETER TEST IN ACCORDANCE WITH ASTM D422.
- ALL SEED AREA SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY (7TH EDITION, REVISED AUGUST 2014).

CONSTRUCTION SEQUENCE

The construction sequence is provided for reference only. The sequence is conceptual and developed for engineering review. The Contractor is responsible for determining their approach to project execution and providing a schedule for project execution. The Contractor's approach and schedule requires approval by the Project Engineer prior to commencing the project.

As shown on the Drawings, the project will be executed in two Phases: Phase 1 will occur in the summer of 2020, while Phase 2 will be executed in the Summer of 2021. Both phases are anticipated to follow, in general, the sequence below.

- Mobilize equipment and materials
- Identify and mark all existing underground utilities, including buried railroad tracks (including "Call Before You Dig: NJ" 800 272-1000) prior to any intrusion into the subsurface.
- Install temporary fencing, and other security measures, around North Cook Avenue Support Zone. Maintain security throughout the project.
- Mobilize and install support structures, e.g., office trailers.
- Conduct survey for work (horizontal and vertical control) as required throughout the Work.
- Install perimeter sediment control barriers, as shown on the drawings and maintain these barriers throughout the Work.
- Contractor's execution of the Work shall not interfere with Amtrak's use of the site. Provide barriers, cones, signage etc as required to separate Amtrak's personnel and equipment from the location where the Contractor is working.
- Perimeter air monitoring will be performed by others. Provide dust control and suppression, via water spraying or other means, to prevent and control dust.
- Keep travel ways free and clean of tracked soils.
- Establish temporary decontamination facilities. All trucks and equipment shall be decontaminated and soil free prior to exiting the Site.
- Contractor shall install frac tanks for collection of decontamination water and contained and collected precipitation. Water accumulated in Frac Tanks shall be transported off-site for disposal in accordance with New Jersey and Federal laws and regulations.
- Soil stockpiling on-site shall be as approved by the Project Engineer.
- Conduct the soil excavation in accordance with Contractor's Excavation Plan.
- Excavations are designed to be relatively shallow (approximately 4 feet below grade), but the final depth of excavation is currently unknown. Contractor is advised that Contractor will provide support of excavation (SOE), e.g., a trench box, as required to protect areas adjacent to excavations. The use of SOE will be coordinated with, and approved by, the Project Engineer.
- Backfill, compact and restore excavated areas as specified by these drawings.
- The currently expected start date for Phase 1 intrusive field work is July 1, 2020, with all excavation and off-site transport of soils and materials completed by August 31, 2020. Demobilization will be completed by September 1, 2020. Final revegetation may commence during September 2020, or as directed by the COTR. Temporary seeding may be implemented as directed by the COTR.
- The currently expected start date for Phase 2 is July 1, 2021, with all excavation and off-site transport of soils and materials completed by August 31, 2020 and Demobilization completed by September 1, 2021. Revegetation will occur during September 2021, or as dictated by weather conditions.



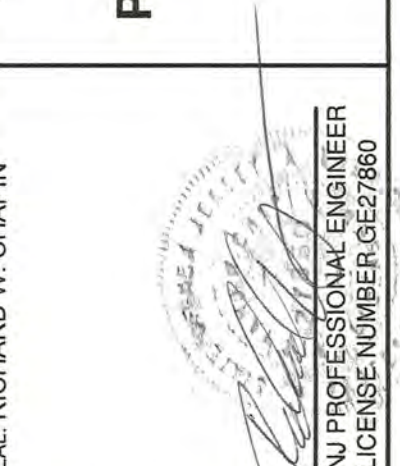
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NJ Certificate of Authorization
Number 24GA28010900

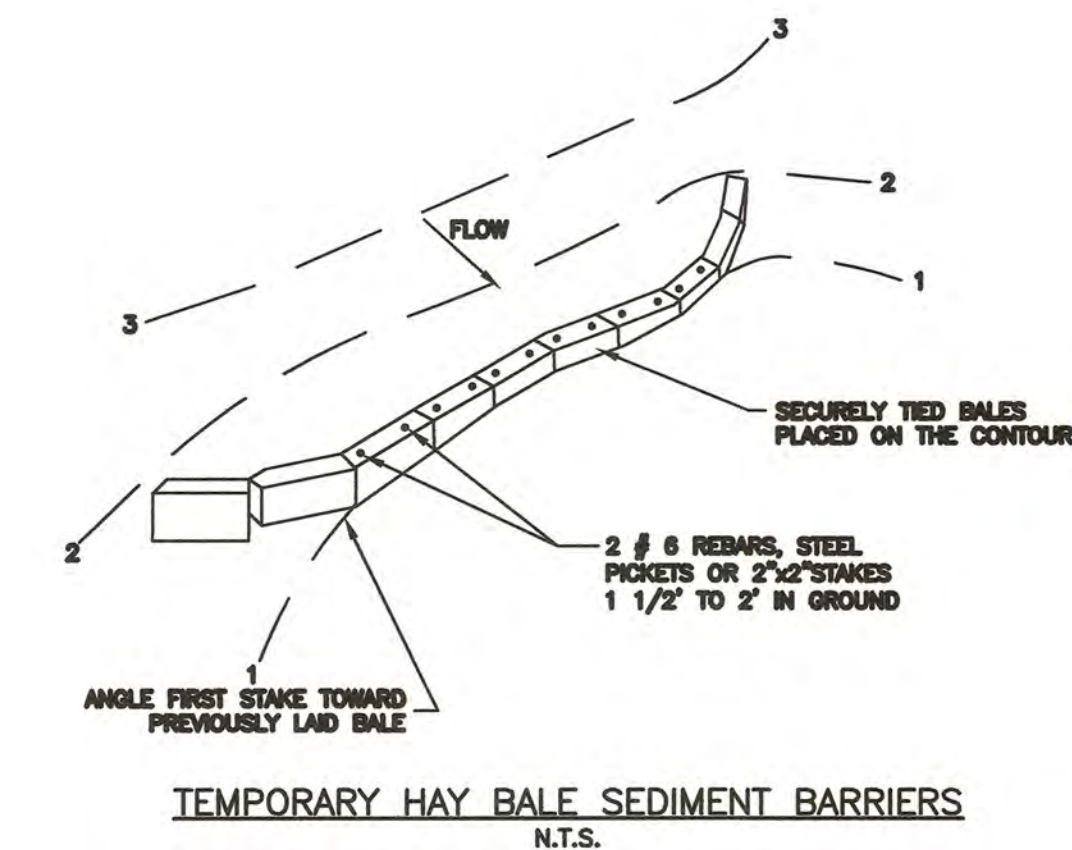
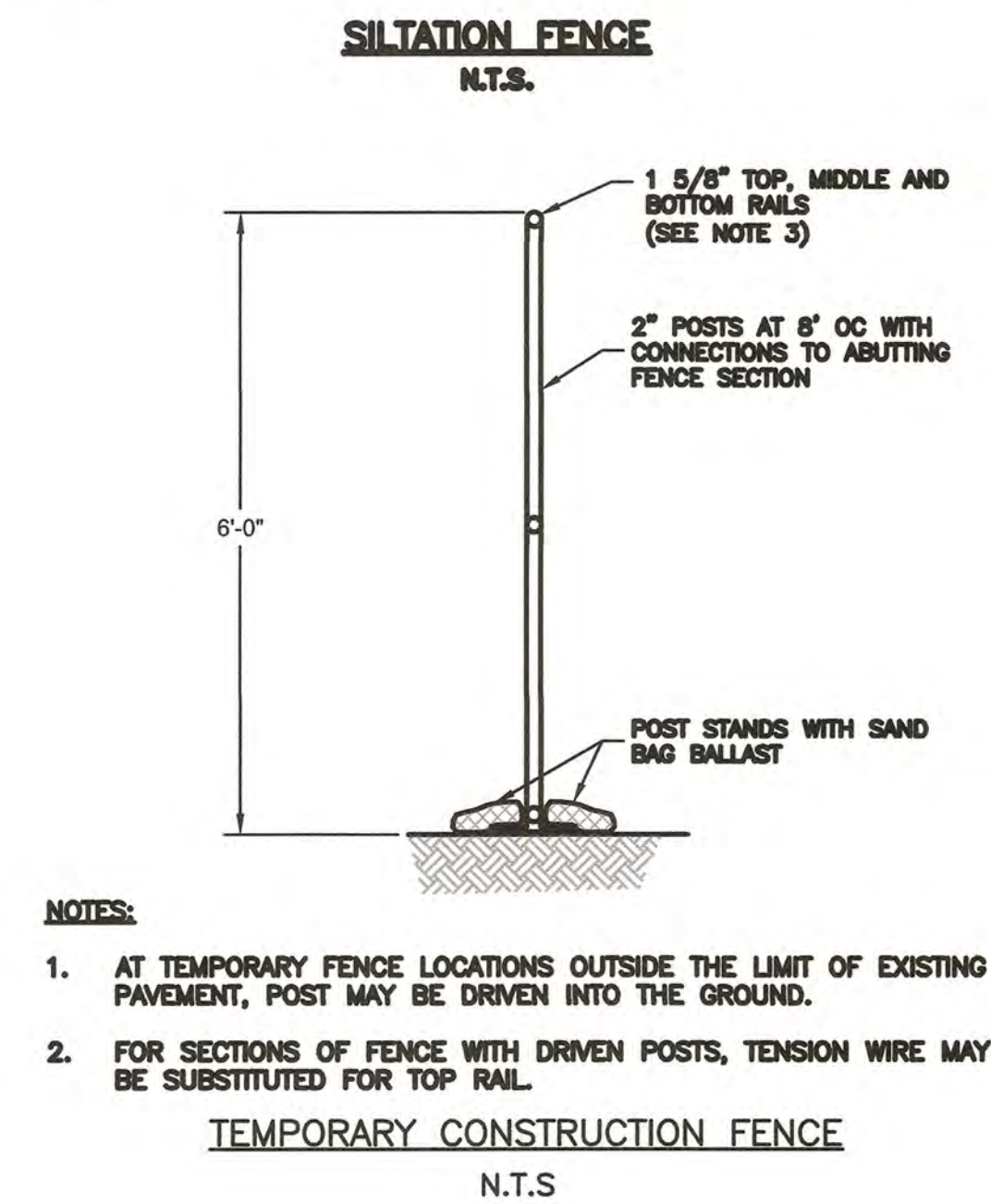
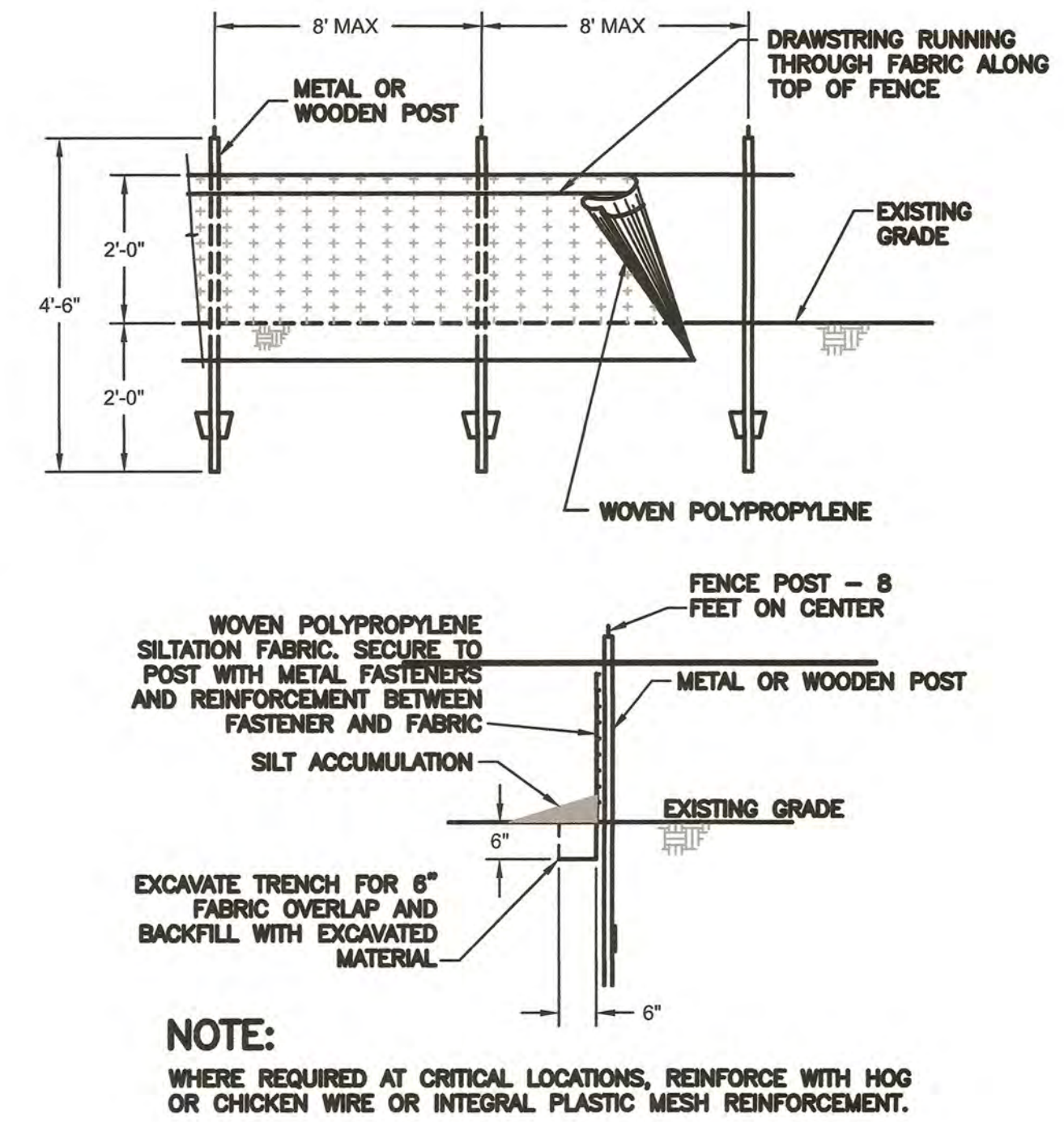
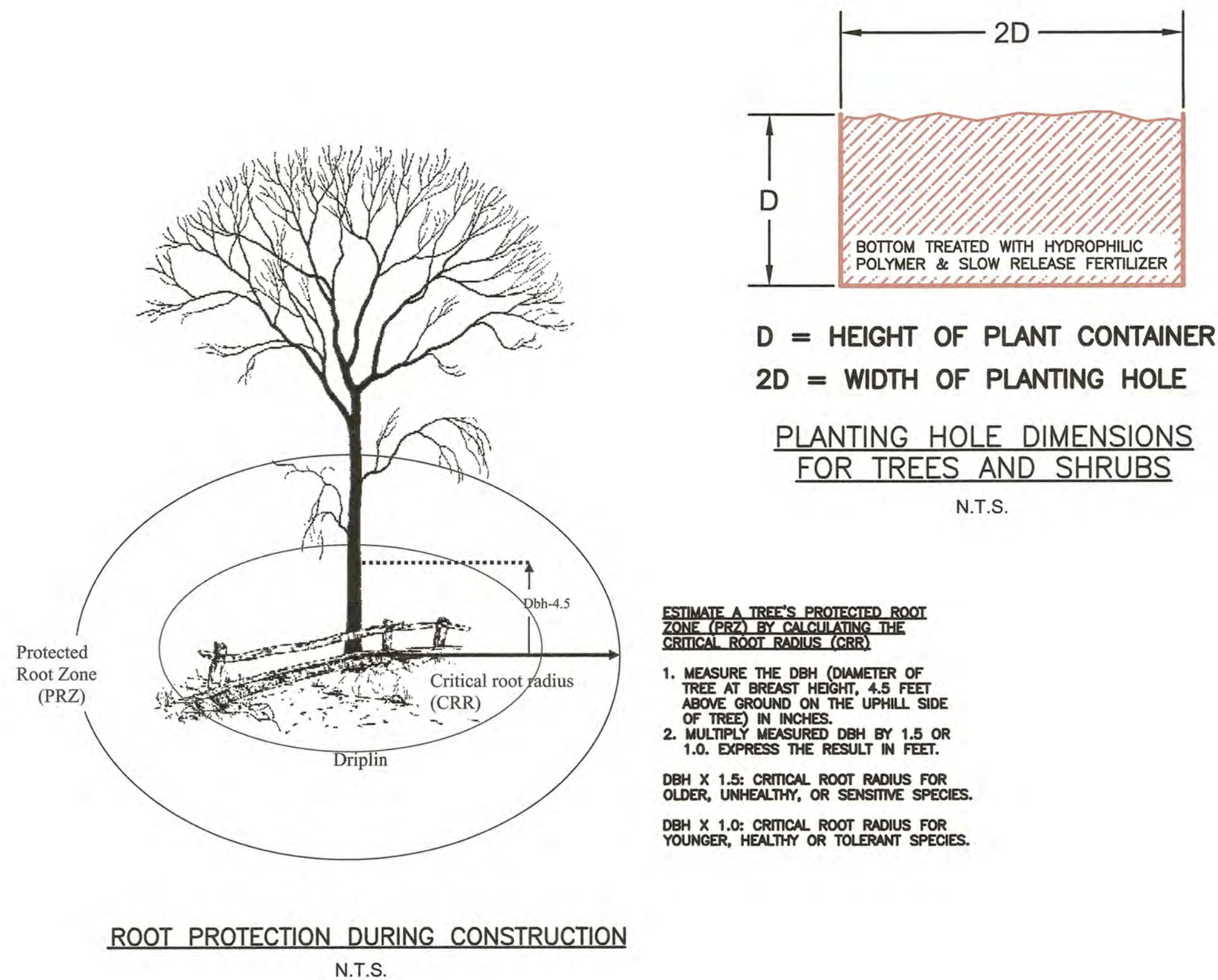
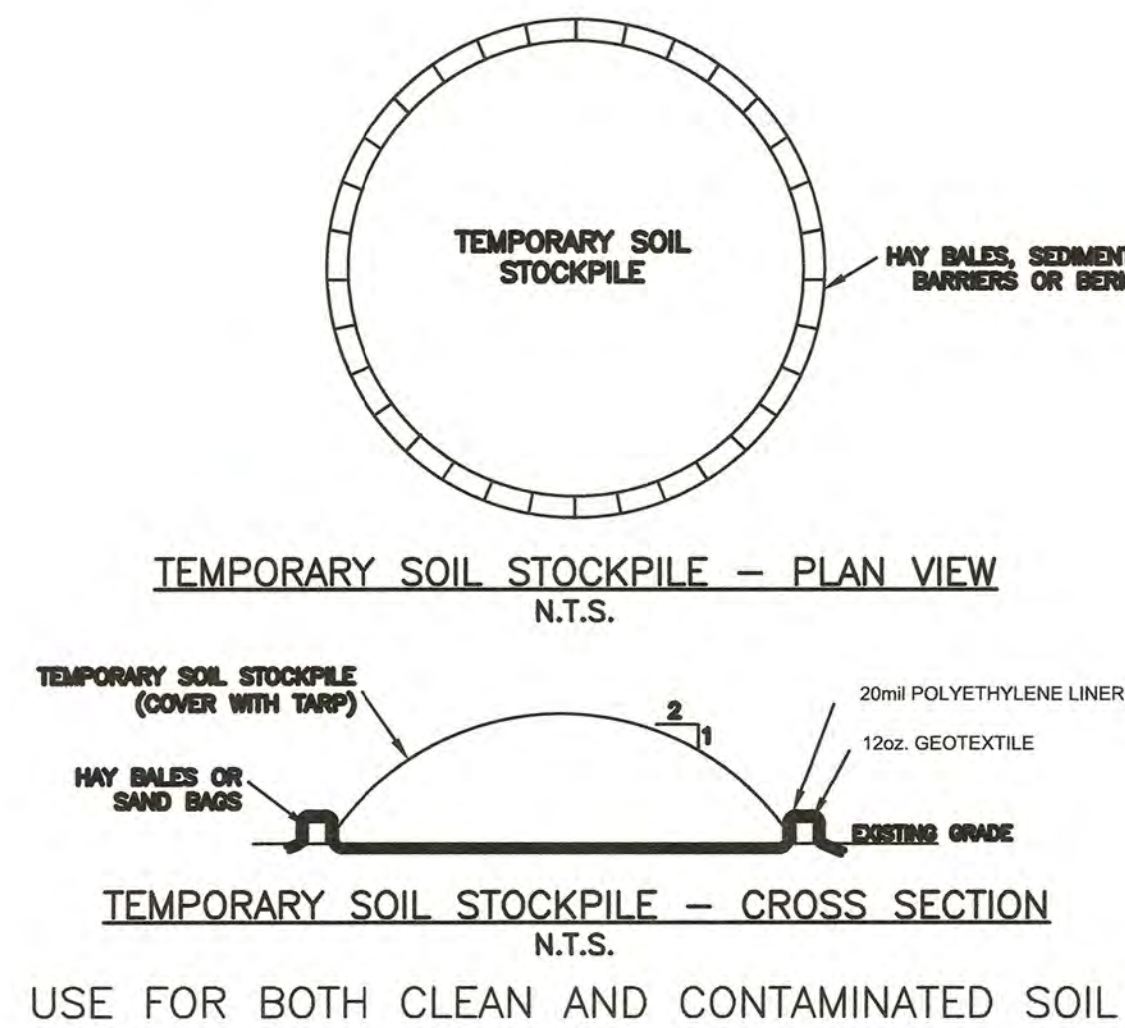
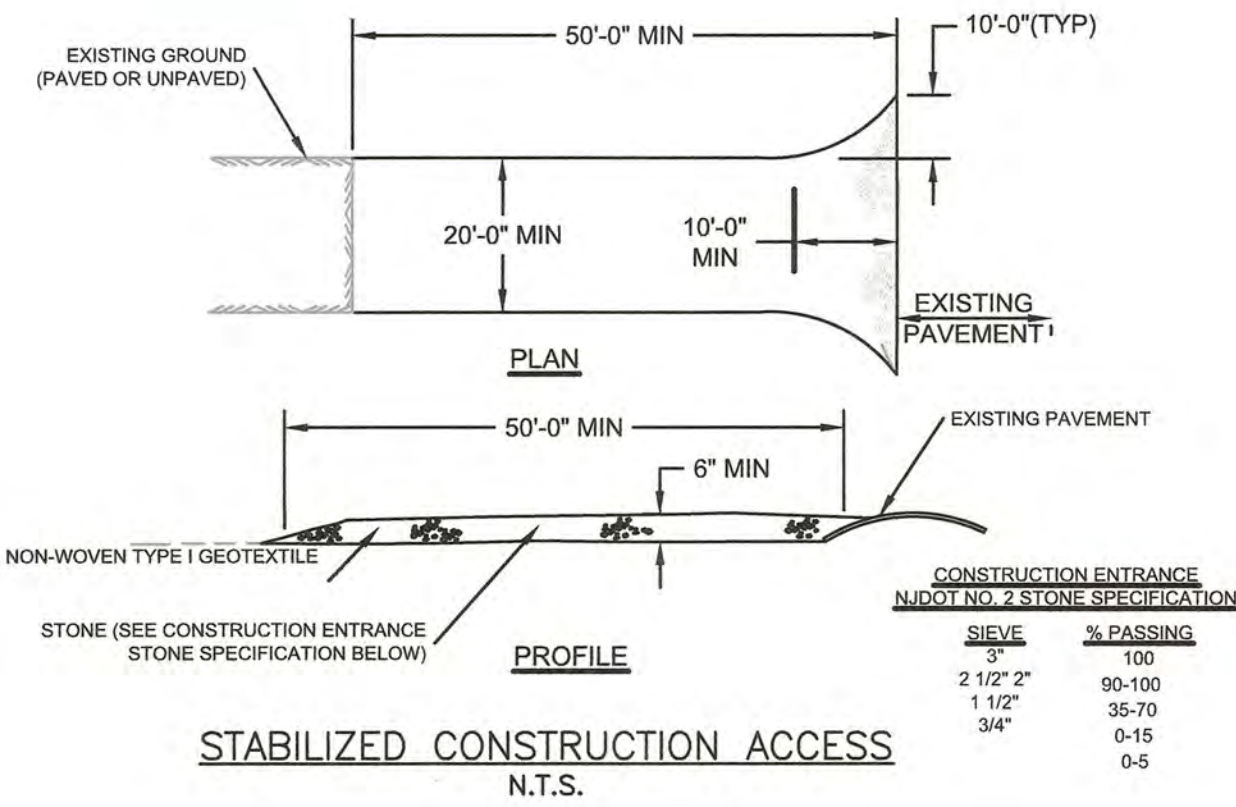
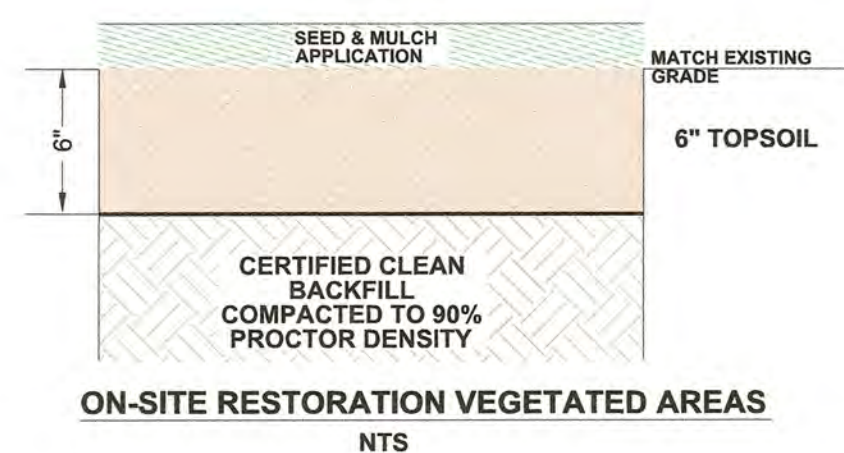
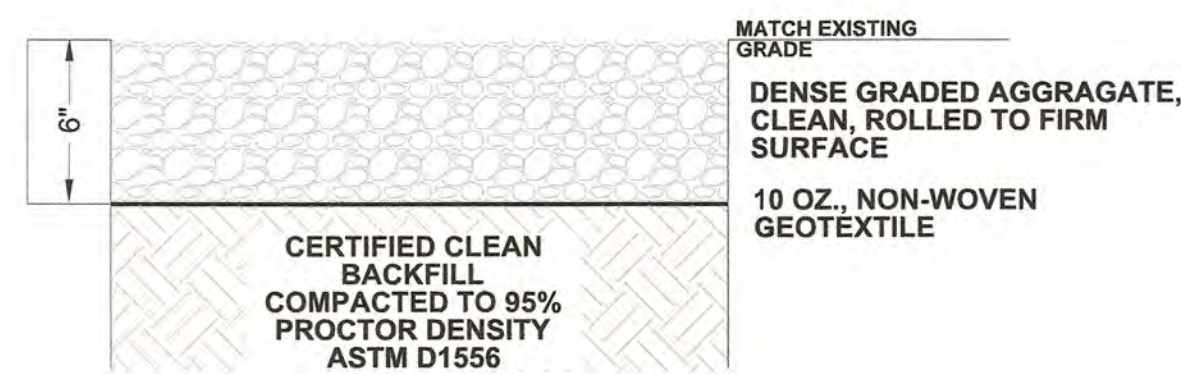
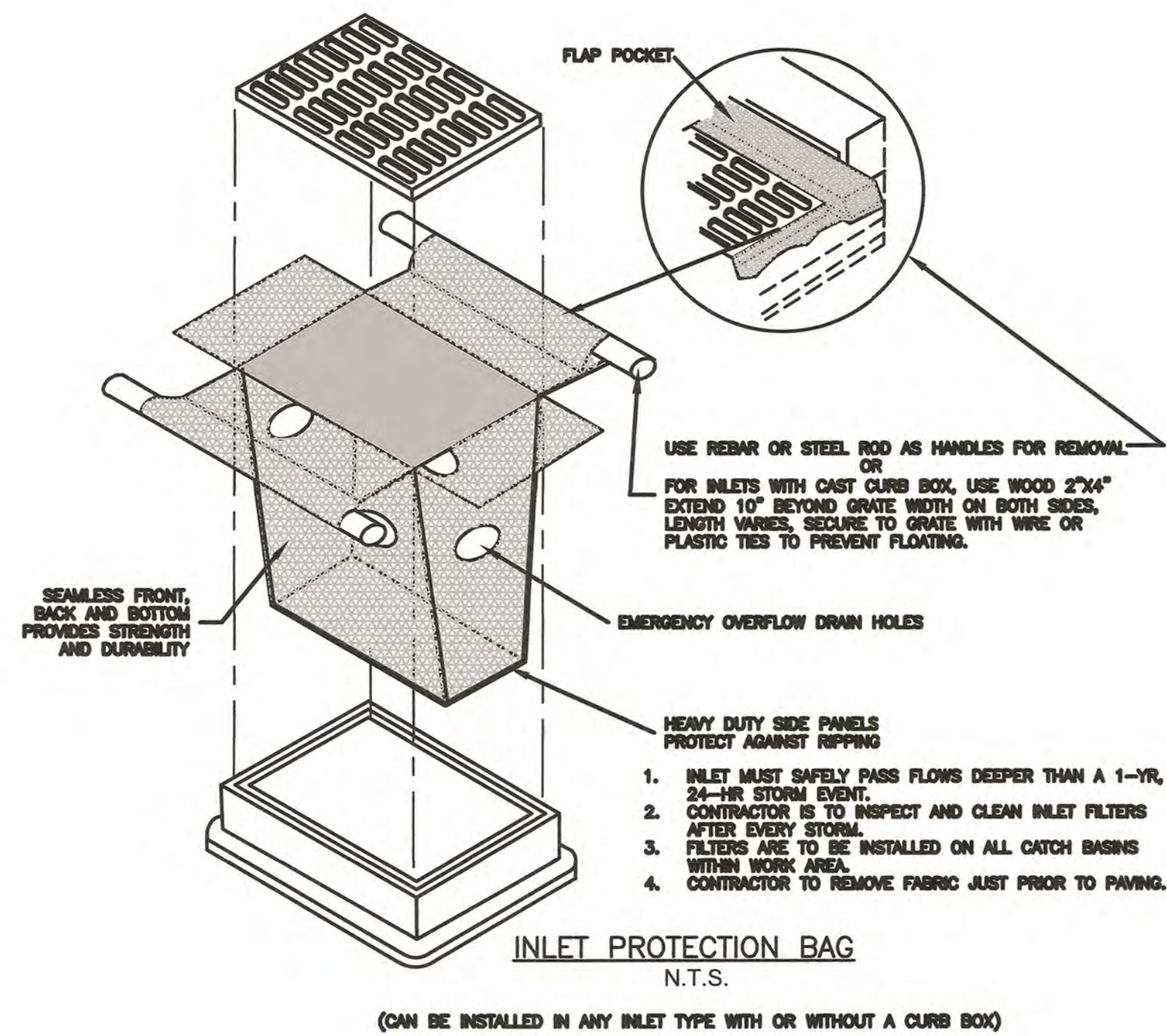
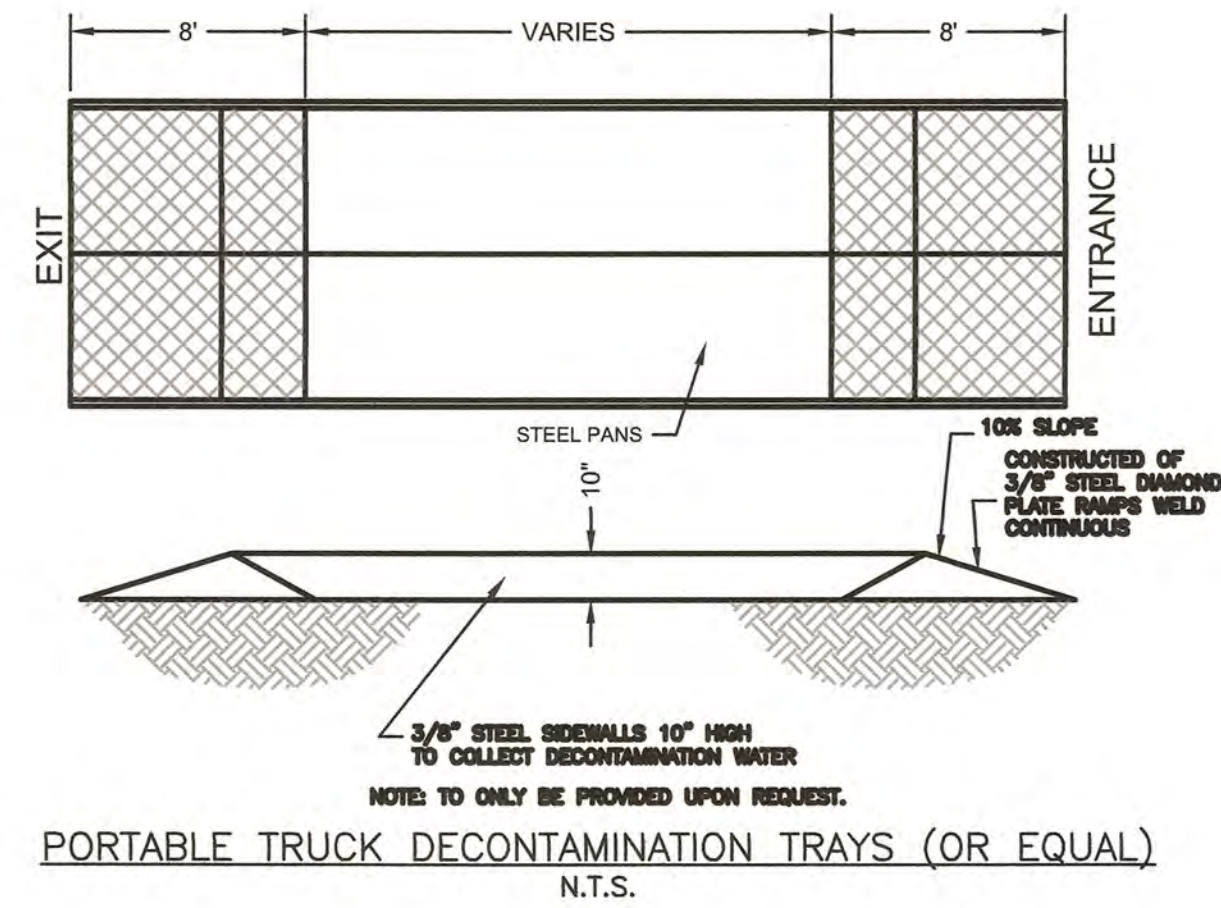
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PROJECT: EAST BARRACKS RAIL YARD TRENTON, NJ
TITLE: SOIL & EROSION CONTROL PLAN NOTES

CLIENT: NATIONAL RAILROAD PASSENGER CORPORATION (AMTRAK) NEW YORK, NY



DESIGNED BY: RWC	DRAWN BY: PJK
CHECKED BY: MBL	DATE: 1/6/20
SCALE: N/A	REVISION: 1
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PROJECT NUMBER: 277710568	
DRAWING NUMBER: S-102	
SHEET NUMBER: 11 OF 12	



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NJ Certificate of Authorization
Number 24GA28010900

REV	DATE	ISSUE/REVISION DESCRIPTION
0	1/21/2020	

PROJECT: EAST BARRACKS RAIL YARD
TRENTON, NJ

TITLE: SOIL & EROSION CONTROL
PLAN DETAILS

CLIENT: NATIONAL RAILROAD
PASSENGER CORPORATION
(AMTRAK)
NEW YORK, NY

SEAL: RICHARD W. CHAPIN

DESIGNED BY: RWC
CHECKED BY: MBL
SCALE: N/A
PROJECT NUMBER: 277710568
DRAWING NUMBER: S-103
SHEET NUMBER: 12 OF 12

DRAWN BY: PJK
DATE: 1/21/20
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**Appendix G:
Perimeter Air Monitoring Plan**



Perimeter Air Monitoring Plan - Soil Remediation

**East Barracks Rail Yard
East State Street & South Olden Avenue
Trenton, Mercer County, NJ 08611
NJDEP Case No. 00-03-20-1219-43
Program Interest No. G000043212**

Prepared for:

National Railroad Corporation (Amtrak)

New York, New York

February 13, 2020

Perimeter Air Monitoring Plan - Soil Remediation

East Barracks Rail Yard
Trenton, New Jersey
NJDEP Case No. 00-03-20-1219-43
Program Interest No. G000043212

Prepared for:

National Railroad Corporation (Amtrak)
New York, New York

Prepared by:

Wood Environment & Infrastructure Solutions, Inc.
Somerset, New Jersey

February 13, 2020

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SIGNATORY PAGE

This Perimeter Air Monitoring Plan (PAMP) for the soil remediation field activities planned at East Barracks Rail Yard, North Cook Avenue, Trenton, Mercer County, New Jersey is hereby approved by the following personnel. The PAMP will be revised only upon written approval of the Wood Project Manager in conjunction with the Somerset Office Health and Safety Officer.



Wood Project Manager

13 February 2020
Date



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Appendices

- Appendix A: Field Forms
- Appendix B: Action Level Calculations
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LIST OF ACRONYMS AND ABBREVIATIONS

Amtrak	National Railroad Passenger Corporation	QA/QC	quality assurance/quality control
AT	averaging time	RA	Remedial Action
CF	conversion factor	RAWP	Remedial Action Work Plan
DQO	data quality objective	RCRA	Resource Conservation Recovery Act
ED	exposure duration		
EF	exposure frequency	RDCSRS	Residential Direct Contact Soil Remediation Standards
EPC	exposure point concentration		
ET	exposure time	RfC	reference concentration
FM	Wood Field Manager	RPM	respirable particulate matter
HASP	health & safety plan	RPMAL	respirable particulate matter action level
mg/kg	milligrams per kilogram		
IRIS	integrated risk information system	Site	Amtrak East Barracks Rail Yard
		SSO	Site-Safety Officer
IUR	inhalation unit risk	SVOC	Semi-Volatile Organic Compound
NAAQS	National Ambient Air Quality Standard		
		TCP	Target Chemical Parameter
NJDEP	New Jersey Department of Environmental Protection	TR	Target Risk
		TRSR	Technical Requirements for Site Remediation
PAH	polynuclear aromatic hydrocarbon		
		TSCA	Toxic Substances Control Act
PAM	perimeter air monitoring	TWA	Time-Weighted Average
PAMP	Perimeter Air Monitoring Plan	VOC	Volatile Organic Compound
PAMT	Perimeter Air Monitoring Technician	VOCAL	Volatile Organic Compound Action Level
PCB	Polychlorinated Biphenyl	Wood	Wood Environment & Infrastructure Solutions, Inc.
PID	Photo-Ionization Detector		
PM ₁₀	particulate matter at 10 microns	µg/m ³	micrograms per cubic meter
		µg/L	micrograms per liter
PM	Wood Project Manager		
ppm	parts per million		

1.0 INTRODUCTION

On behalf of the National Railroad Corporation (Amtrak), Wood Environment & Infrastructure Solutions, Inc. (Wood) has prepared a Perimeter Air Monitoring Plan (PAMP) for implementation of soil excavation at the East Barracks Rail Yard (Site). The remedial work is the excavation and offsite disposal of soils impacted by polychlorinated biphenyls (PCBs), polynuclear aromatic hydrocarbons (PAHs), pesticides, and metals. This PAMP establishes guidelines and minimum requirements for perimeter air monitoring during the performance of intrusive field activities at the Site.

The purpose of this PAMP is to assign responsibilities, specify mandatory operating procedures for perimeter air monitoring, identify action levels and mitigation measures, and provide for contingencies that may arise during implementation of the remedial actions and work tasks described herein. The perimeter air monitoring requirements outlined in this plan are based on review of existing Site data and the planned area of soil excavation at the Site. The PAMP will be amended, as warranted, if conditions encountered during the performance of remedial action (RA) field activities differ from those anticipated based on current data. The PAMP will be amended only upon written approval of the Wood Project Manager (PM).

1.1 Property Location

The Site consists of land located on Block 25101 Lot 1, Block 25201 Lot 1, Block 25301 Lot 2, and Block 25401 Lot 4 in the city of Trenton. The entire Site encompasses approximately 7 acres and extends approximately 0.47 miles in length.

The Site is bordered by Olden Avenue to the north and Lincoln Avenue/Chambers Street to the south, which are elevated rail overpasses that cross the tracks. The Site is bordered to the west by the active Northeast Corridor rail line. Located adjacent to the eastern Site boundary is one school, one park, residential properties, and one industrial property that front East State Street.

1.2 Site Conditions

Facilities present at the Site include active rail lines, an employee parking area, and two crew quarters trailers. Topography at the Site is generally flat, with the exception of the rail lines that are slightly elevated. The Site is owned by Amtrak.

In 1999, NJ Transit began initial Site investigation activities with the collection of soil samples which indicated the presence of PCBs at concentrations greater than applicable standards. Additional soil sampling was conducted between 2001 and 2017 to delineate the PCBs and to evaluate whether additional constituents were present, which exceeded their associated soil remediation standards. PAHs, pesticides and metals were also detected onsite. These investigations determined that PCB delineation was not complete at the eastern Site boundary. Offsite delineation to the (RDSCRS was completed in 2019.

Excavation of PCB-contaminated soil that exceeded the RDSCRS in the adjacent offsite P.J. Hill school property was conducted in 2019.

1.3 Remediation Activities

The selected RA is excavation and offsite disposal of soil to various depths up to 4 feet below grade. Due to the proximity of the adjacent school, intrusive activities will not be conducted while school is in session. As a result, the project will be conducted over multiple years with work being performed during the summer seasons for a period of up to 30 business days per year. The areas to be excavated are shown on Figures 1 and 2.

The RA includes the tasks described in the following sections.

1.3.1 Mobilization

This task comprises the mobilization of the field office and equipment to the Site. Work zones will be established and marked. Mobilization will also include the marking of the area requiring excavation by a NJ Licensed Land Surveyor.

1.3.2 Excavation and Disposal

The remedial contractor executing the RA will excavate the impacted soil to a depth up to 4 feet based upon the remedial action drawings provided in the specifications; soil will be staged or loaded into staged or roll off containers. Impacted soil will be transported to a subtitle D landfill or to a Toxic Substances Control Act (TSCA) permitted landfill, depending on soil characterization results.

The contractor will collect waste characterization samples for the following analyses: extractable petroleum hydrocarbons, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total metals, PCBs, toxicity characteristic leaching procedure Resource Conservation and Recovery Act (RCRA) metals, reactivity (sulfide, cyanide), ignitibility, pH and paint filter test (required tests to be determined by the disposal facilities). The contractor will collect water entering the excavations and contain it for testing and offsite disposal. Dust suppression will occur concurrently with excavation activities.

1.3.3 Post-Excavation Sampling

Several phases of delineation soil sampling have documented the horizontal and vertical extent of soil contamination. Post-excavation sampling of soil will be performed to verify that the remedial goal has been achieved.

1.3.4 Site Restoration

The excavation will be backfilled with clean soil. This fill will be compacted to project specifications (95% Proctor). The Site will be restored to current conditions, including topsoil and seeding, where applicable.

1.4 Decontamination

All equipment, including vehicles entering the exclusion zone will be decontaminated prior to it leaving the work area. A dedicated decontamination pad will be constructed for this operation. All decontamination liquids and solids will be collected and disposed as PCB-contaminated materials.

1.5 Demobilization

Following the completion of the remedial activities, all equipment, materials, the decontamination pad, the security fence and all other temporary facilities will be removed from the Site.

2.0 OBJECTIVES

This PAMP is intended to address perimeter air monitoring of constituents based on known environmental impacts at the Site. The objectives of the PAMP are presented in this section.

2.1 PAMP Objectives

The objective of the PAMP is to provide a standard process for monitoring and documentation of airborne concentrations of Site contaminants at the Site perimeter and to compare Site-specific health-based levels for the various chemicals that have been detected above the RDCSRS at the Site. The program provides a mechanism whereby the health, safety, and welfare of the public will be protected from particulate emissions resulting from intrusive remedial activities (i.e., contaminated soil disturbance, excavation, and truck loading operations).

The following measures will be taken to achieve objectives:

- Identify sensitive populations that may be down-wind of the area;
- Determine the need for dust emission controls, evaluating the effectiveness of such controls and, if necessary, mitigate potential exposures to PCBs resulting from dust emissions;
- Monitor and document ambient air quality at designated perimeter locations during the RA to prevent offsite exposures;
- Coordinate with the construction management team to adjust RA activities if abnormal dust levels are recorded;
- Evaluate the monitoring data to assess potential risk of exposure to PCBs at the work area perimeter;
- Document perimeter air monitoring results and evaluate data with respect to potential health impacts.

2.2 Data Quality Objectives

The Data Quality Objectives (DQOs) for this PAMP are established to define data requirements, data collection methods, and data evaluation criteria. The DQOs apply to the equipment that being used and corresponding calibration, maintenance, and other factors that may impact sample integrity and the quality of the data collected. Both real-time screening level and confirmatory data using laboratory analysis will be collected to evaluate contaminant levels in air. The DQOs are directed at ensuring the integrity of all procedures for real-time monitoring and for collection, custody, transportation, and analysis of confirmatory samples.

2.2.1 Real-Time Screening Data

Field screening will be performed using portable equipment for monitoring dust and vapors such as a photoionization detector (PID) and Dust TRAK (see Section 2.3). The quality assurance/quality control (QA/QC) for this equipment includes calibration in accordance with the manufacturers'

specifications. The real-time data will be confirmed by laboratory analysis of samples for chemical parameters collected throughout the course of the field activities. The real-time data will also be used to document airborne concentrations measured during field activities and assist Site personnel with determining the need for more aggressive vapor and/or dust suppression activities or alteration of work activities. Further, the real-time data will be used to show compliance with the dust action level for perimeter air quality.

2.2.2 Documentation

Documentation will be maintained for the duration of the perimeter air monitoring program. Field logs to be used during perimeter air monitoring (PAM) implementation include air monitoring logs and source explanation and correction logs, which are included in Appendix A.

2.3 Air Monitoring Instrumentation

The following monitoring instruments will be utilized by the Perimeter Air Monitoring Technician (PAMT), the field scientist, and/or oversight engineer to conduct perimeter air monitoring.

2.3.1 Real Time Monitoring Equipment

- Dust Meter, Dust TRAK, MIE Data Ram, or equivalent with data logging capability, and audio/visual alarm, enhanced with a real time telemetry system.
- Davis Vantage Pro2 or equivalent, meteorological weather station with automatic data logging capabilities. This instrument will require set-up at an elevation of approximately six feet above ground surface.

2.3.2 Confirmatory Sampling Equipment

- Tisch PUF sampling enclosure or equivalent high-volume sampler with a source of power and calibration orifice.
- Poly-urethane foam (PUF) cartridges (for PCBs and PAHs)
- Low flow portable air sampling pump or equivalent (i.e. SKC/BUCK pumps) able to sample 1.0 to 4.0 Liters per minute. (metals) and Bios defender (or calibration equivalent)
- 37mm MCE sample cartridges (for Metals)

3.0 TARGET PARAMETERS AND DUST LEVELS

Based on the planned field activities, the following potential chemical exposure pathways have been identified:

- Inhalation of airborne organic vapors and contaminated particulates;
- Eye and skin contact and potential absorption due to direct contact with contaminated soil; and
- Incidental ingestion of contaminated particulates and soils.

Chemical hazards, chemical exposure pathways and associated protective measures for Property workers are included in the Site-Specific Health and Safety Plan (HASP). This PAMP addresses the potential for airborne particulate migration to the perimeter and the measures necessary to protect the public. Perimeter air monitoring activities will be performed during all soil disturbance activities.

To meet the objectives of the PAMP:

1. Target parameters for air have been selected based on soil data from the Site; that show an exceedance above the NJDEP Residential Direct Contact Soil Remediation Standards (RDCSRS)
2. Relevant air standards or criteria for those parameters have been identified;
3. An action plan to measure those parameters and react if necessary, is developed.

3.1 Target Levels

Soil sampling data obtained during previous soil investigations were evaluated to develop a list of Site-specific contaminants or target chemical parameters (TCPs) for perimeter air monitoring. TCPs are identified as those contaminants where the 95% Upper Confidence limit (95% UCL) of the arithmetic mean of the soil concentration exceeds the RDCSRS. The specific TCPS are determined based on contaminants that are present in soil at the highest concentrations and those that have the most stringent health criteria. These TCPs will serve as surrogates for the other, less toxic, Site-related contaminants that may be present at lower concentrations.

Based on soil sample data, the TCPs include PCBs, and PAHs. VOCs were detected in soil samples collected between 2002 and 2015; however, due to their low levels and likelihood of volatilization and biodegradation over that time period, VOC action levels (VOCAL) will not be developed. Appendix B Table 1 shows all TCPs along with its max and average concentrations.

The primary TCP, PCBs, cannot be measured in real time. Therefore, a non-chemical target parameter has been identified for perimeter air monitoring, i.e., respirable particulate matter.

Since the perimeter receptor exposure duration associated with this project is less than one year, the appropriate health criteria are based on non-cancer endpoints (NJDEP, 2018)

During the RA, the most likely method of transport of TCPs is via particulates migrating offsite by adhering to dust and soil particles, which then can become airborne and result in transport to offsite receptors. To monitor potential exposures caused by this method of transport, dust

monitors will be located upwind of the excavation (i.e., the potential source), and between the excavation and the Site perimeter, in the direction of prevailing winds. This methodology will be used for perimeter air monitoring activities at the Site.

Respirable particulate matter (RPM) or dust represents a non-chemical target parameter of concern. The National Ambient Air Quality Standard (NAAQS) for RPM of less than 10 microns (PM₁₀), is 150 micrograms per cubic meter (µg/m³) (USEPA 40 CFR 50).

Using the equations below, Site-specific soil concentrations and exposure durations applied to determine a risk-based action level for chemical target parameters of concern

Non-carcinogenic Particulates:

$$\text{RPMAL } (\mu\text{g}/\text{m}^3) = \text{RfC} \times \text{AT}/(\text{ET} \times \text{ED} \times \text{EF} \times \text{EPC} \times \text{CF})$$

Where

RfC = Chemical-specific RfC (µg/m³)

ED = Exposure Duration (year)

EF = Exposure Frequency (30 days/365 days)

ET = Exposure Time/Work Shift Time (8 hours/24 hours)

EPC = Chemical-specific Exposure Point Soil Concentration (mg/kg)

AT = Averaging Time (one year)

CF = Conversion factor of 1 kg/10⁶ mg

Carcinogenic Particulates:

$$\text{RPMAL } (\mu\text{g}/\text{m}^3) = (\text{TR} \times \text{AT})/(\text{IUR} \times \text{ET} \times \text{ED} \times \text{EF} \times \text{EPC} \times \text{CF})$$

Where:

TR = Target Risk (1 x 10⁻⁶)

IUR = Chemical-specific IUR (µg/m³)⁻¹

ED = Exposure Duration (year)

EF = Exposure Frequency (30 days/365 days)

ET = Exposure Time/Work Shift Time (8 hours/24 hours)

EPC = Chemical-specific Exposure Point Soil Concentration (milligrams per kilogram [mg/kg])

AT = Averaging Time (70 years)

CF = Conversion factor of 1 kg/10⁶ mg

The exposure frequency is 30 days per year over three annual periods as work can only be done during the summer months. The maximum concentrations were used for all TPCs. Toxicity values [i.e., reference concentrations (RfC), inhalation unit risks (IUR)] were obtained from NJDEP (2018)

(<https://www.state.nj.us/dep/aqpp/risk.html>). If a TCP was not listed by NJDEP, toxicity values were obtained from the USEPA Integrated Risk Information System (IRIS) (www.epa.gov/iris).

The lowest calculated RPMAL is 51,100 $\mu\text{g}/\text{m}^3$ for PCBs. As this action level is greater than 24-hr NAAQS, the RPMAL for the Site is 150 $\mu\text{g}/\text{m}^3$ (Appendix B). Exceedance of the NAAQS will trigger notification of the Site Safety Officer (SSO) to investigate the source and implement engineering controls (if necessary).

4.0 INSTRUMENTATION REQUIREMENTS

The following instruments will be utilized by the PAMT to conduct perimeter air monitoring.

4.1 Meteorological Weather Station

A meteorological weather station, equipped with data logging capabilities, will be installed in an upwind location at a height of at least six feet above grade to measure, document and record wind speed, wind direction, temperature and relative humidity during soil removal activities.

4.2 Perimeter Air Monitoring Station Locations/Set-Up

One station will be located upwind of the soil disturbance activity to represent background conditions and one station downwind of the excavation perimeter to monitor potential receptors of soil disturbing activities. Two additional stations will be located between the school and the excavation zone to monitor more sensitive receptors. As wind directions change, the monitoring stations may be relocated. The actual locations of each monitoring station will be documented daily.

Air monitoring stations will be placed as to be elevated at least five feet above grade by a support device and be protected from environmental conditions (i.e., direct sunlight or precipitation) and onsite equipment and vehicles.

4.3 Real Time Monitoring Equipment

Dust Meter, Dust TRAK, MIE Data Ram, and PIDs or equivalent with data logging capability, and audio/visual alarm will be utilized for dust monitoring. The operation and maintenance manuals for the monitoring equipment are located in Appendix C.

4.4 Operation and Calibration of Monitoring Equipment

All meters will be operated and maintained in accordance with the manufacturers' specifications. PIDs will be field calibrated daily; the dust meters will be zeroed daily and calibrated annually by the manufacturer. During the field activities, if a meter nears the end of its calibration period, the meter will be replaced with a factory calibrated instrument.

4.5 Sampling Equipment

Sampling equipment must be calibrated prior to use and comply with laboratory requirements as specified for each analysis. The PAMT will follow the guidelines for sampling based on USEPA TO10 for pesticides and PCBs and TO13A for PAHs. Sampling rates and final volumes will be recorded within sample forms for accurate results. If any soil samples indicate contaminants above the NJDEP RDCSRS not specified by this plan during excavation, a change may occur to include appropriate action levels and confirmatory sampling for the newly identified compounds.

5.0 PERIMETER AIR MONITORING PLAN

The following section describes PAM activities and includes baseline and background, daily, and confirmatory sampling that will be conducted prior to and during soil excavation and loadout intrusive work.

5.1 Baseline and Background Air Monitoring

Prior to the beginning of the RA mobilization, background perimeter air sampling will be conducted to establish a baseline for the duration of the project and report ambient air concentrations of contaminants of concern prior to intrusive work. Background sampling will be performed for a minimum of three days during fair weather conditions (i.e., no precipitation and/or relative humidity < 90%) prior to commencement of the work. Background sampling does not need to occur on consecutive days. The following information will be recorded during background sampling:

- Three days of data collection from one upwind monitoring station. Data will be collected for an 8-hour period at each station for PM₁₀ dust readings.
- Three days of monitoring wind conditions and meteorological information will be implemented to determine conditions that exist during the perimeter monitoring equipment operation.
- Samples sent to for laboratory analysis on a weekly basis.

Upon completion of the baseline sampling activities, the real-time PM₁₀ dust monitoring data, and meteorological data will be tabulated to establish a pre-excavation baseline.

5.2 Daily Real Time Air Monitoring

The PAMT will be responsible for conducting real-time air monitoring for airborne PM₁₀ and for reporting the results to the SSO. The perimeter of the property will be monitored with the meter(s) programmed to provide time-weighted average (TWA) concentrations that are stored in the data logging memory. In addition, the PAMT will manually record PM₁₀ concentrations and weather data hourly.

To provide adequate coverage of the long and narrow excavation areas, four PAM stations, one upwind and one downwind, will be established for the PAM program. An additional two will be located between the work area and the school building with specific locations determined daily

by the PAMT, Wood Field Manager (FM)/ Site SSO, based on the location where excavation will occur prior to the initiation of excavation activities.

The PAMT will be responsible for the following items on a daily basis:

- Recording data from the onsite meteorological weather station and prevailing wind direction for station placement.
- Monitoring wind conditions throughout the day to ensure that the monitoring equipment is appropriately located based on the prevailing wind direction and field conditions.
- Documenting actual station locations daily.
- Operating and maintaining monitoring equipment. Each station will automatically record PM₁₀ readings throughout the day; however, the PAMT will inspect each station hourly and the TWA and PM₁₀ concentrations recorded manually on an air monitoring log (Appendix A).
- Call for cessation of work activities if exceedances of the dust criterion occur.

5.3 Perimeter Air Monitoring Response Plans

5.3.1 Procedures for Exceedance of Action Levels

5.3.1.1 Airborne Particulates

The PAMT will monitor PM₁₀ and alert the SSO of changing conditions when necessary as follows:

- PM₁₀ concentrations greater than 150 µg/m³ (for less than 5 minutes) the PAMT will observe the location of the exceedance, make notification to the SSO and attempt to identify the source. The PAMT will continue to observe PM₁₀ emissions.
- PM₁₀ concentrations greater than 150 µg/m³ (duration of more than 5 minutes) the PAMT will document the time and concentration within the log and field logbook. The PAMT will alert the contractor and SSO to implement dust suppression engineering controls (i.e. Water, foam etc.). The PAMT will continue to monitor PM₁₀ emissions and prepare to take a PM₁₀ sample.
- PM₁₀ concentrations greater than 150 µg/m³ (duration of more than 15 minutes) the PAMT will cease ground intrusive activities and document the concentration and time in the log and fieldbook. The PAMT will follow by taking a confirmatory sample at the monitor of the exceedance. The SSO, PAMT and contractor will reevaluate the work process. Dust suppression will continue until the PM₁₀ falls below the Action level (15 min TWA).
- When the Perimeter concentration falls below the PM₁₀ Action Level work may resume. Shutdown of work activities may occur if compliance with the RPMAL cannot be achieved.
- During times of visible dust migration the PAMT should implement dust suppression measures.

5.3.2 Procedures for Monitoring Equipment Malfunction

During remedial action activities (i.e., soil disturbance and loadout), there will be one back up dust monitor set available onsite in the event of instrument failure. Should the instrument replacement be necessary, it will be noted on both the PAMT daily log sheet and log notebook. If more than one instrument malfunctions or shuts down, the stations will be relocated at the discretion of the PAMT and Wood FM.

If equipment malfunctions, the spare set of equipment will be utilized. If more than one set of equipment fails, the air monitoring stations will be reconfigured to monitor downwind locations intrusive activities. Malfunctioning units will be repaired/replaced, not to extend beyond the next working day.

If the PAMT determines that the equipment is malfunctioning due to the weather conditions (e.g., inclement weather or high humidity), a decision will be made by the PM to temporarily shut down the monitoring stations and document the issue on both the daily log sheet and field notebook. Intrusive activities will continue only with the approval of the PM. Weather conditions will then be monitored until it is determined that air monitoring can resume.

5.4 Confirmatory Air Sampling

Confirmatory perimeter air sampling for TCP will be conducted for the duration of the project to confirm the accuracy and precision of the real-time screening data and to show compliance with perimeter RPMAL. Samples will be collected over an 8-hour period, from a downwind location or the location that is likely to have the highest concentration of airborne contaminants and analyzed for the target chemical parameters for the Site.

Confirmatory sampling will be conducted at the following frequency:

- A minimum frequency of one sample/week applies for each separate ground intrusive action at a project. If the PAMT determines, through evaluation of PAM data, that no exceedance of the RPMAL has occurred, the PAMT onsite representative may decide to decrease the frequency of confirmatory sampling. However, if a separate ground intrusive activity begins at the project the frequency of confirmatory sampling will return to one sample/week until, once again, compliance with the action levels is confirmed based on the data collected after the initiation of the new excavation.
- If an alarm condition occurs, air samples will be collected to confirm action level exceedance. For RPM alarms, a sample will be collected for the remainder of the workday following the alarm condition, from the location of the alarm condition air monitor based on wind direction.

The weekly laboratory analytical data and meteorological data will be tabulated and provided to the Amtrak Remediation Manager at the conclusion of the project.

5.5 PAMT Documentation and Reporting

The following documentation will be completed and filed onsite by the PAMT; sample logs are provided in Appendix A.

5.6 Daily Documentation within the Field Logbook:

- Equipment calibration sheets;
- Property map with air monitoring station locations and identification; and
- Property map with confirmatory air monitoring sampling locations.

5.7 Weekly PAM Documentation

In addition to the Daily Log, the PAMT will provide a weekly summary of daily air monitoring.

Upon completion of the project, a Remedial Action Report will be submitted to the NJDEP and will include the following information:

- Perimeter air monitoring logs (PM₁₀ and meteorological data);
- Equipment calibration sheets;
- Property map with air monitoring station locations and identification; and
- The PAMT field log book entries.
- Sample Documentation

6.0 REFERENCES

NJDEP, 2009. TECHNICAL MANUAL 1003 Guidance on Risk Assessment for Air Contaminant Emissions, November 2009

NJDEP, 2018. Risk Screening Tools. www.nj.gov/dep/aqpp/risk.html

USEPA, 2019. Integrated Risk Information System (IRIS). www.epa.gov/iris

USEPA, 2019. Regional Screening Level (RSL) Tables <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables>

Wood, 2019. Supplemental Remedial Investigation Report – Offsite Properties (AOC 2A and AOC 2B)



wood.

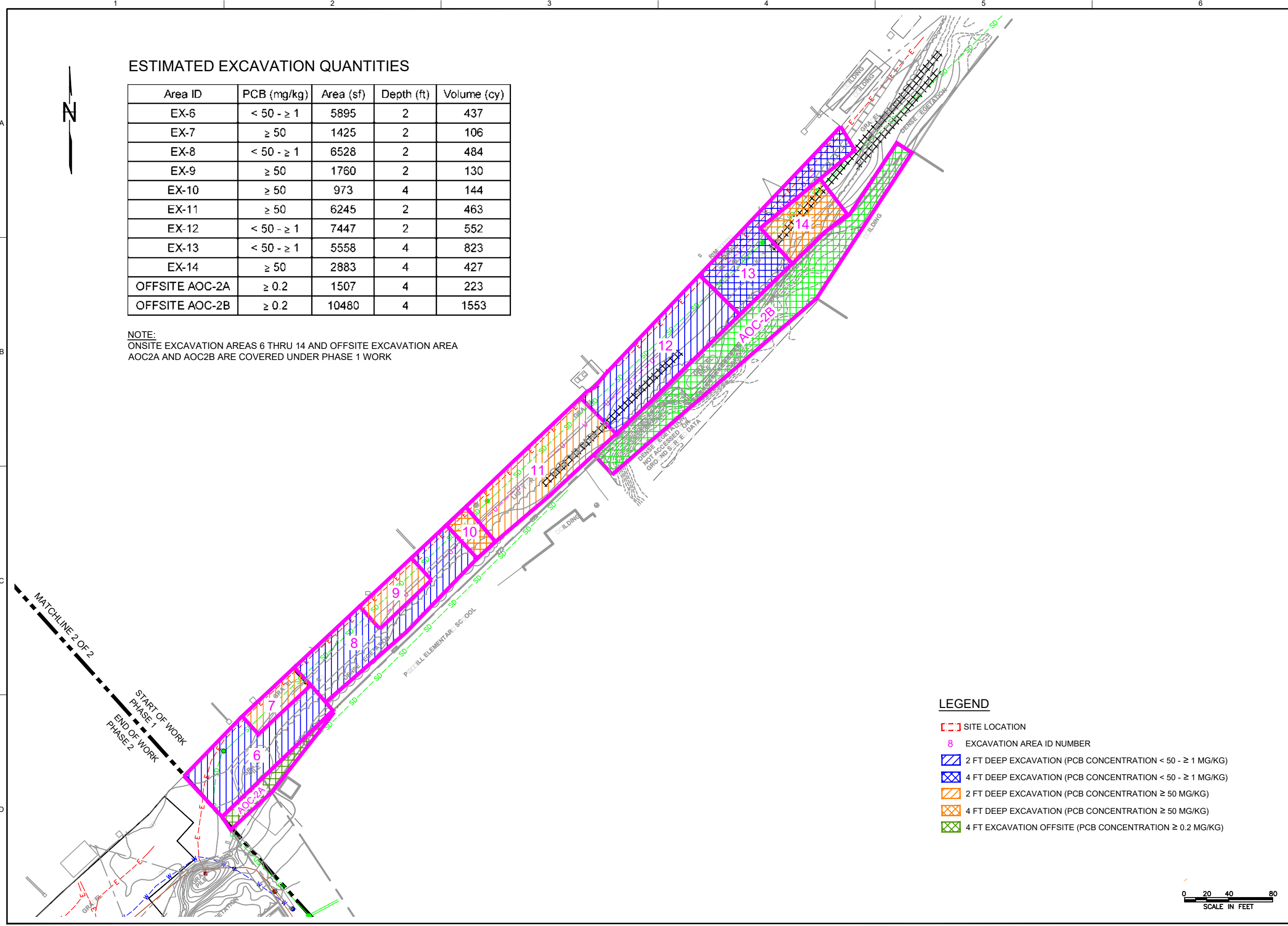
Figures



ESTIMATED EXCAVATION QUANTITIES

Area ID	PCB (mg/kg)	Area (sf)	Depth (ft)	Volume (cy)
EX-6	< 50 - ≥ 1	5895	2	437
EX-7	≥ 50	1425	2	106
EX-8	< 50 - ≥ 1	6528	2	484
EX-9	≥ 50	1760	2	130
EX-10	≥ 50	973	4	144
EX-11	≥ 50	6245	2	463
EX-12	< 50 - ≥ 1	7447	2	552
EX-13	< 50 - ≥ 1	5558	4	823
EX-14	≥ 50	2883	4	427
OFFSITE AOC-2A	≥ 0.2	1507	4	223
OFFSITE AOC-2B	≥ 0.2	10480	4	1553

NOTE:
 ONSITE EXCAVATION AREAS 6 THRU 14 AND OFFSITE EXCAVATION AREA
 AOC2A AND AOC2B ARE COVERED UNDER PHASE 1 WORK



LEGEND

- [Red dashed box] SITE LOCATION
- [8] EXCAVATION AREA ID NUMBER
- [Blue diagonal lines] 2 FT DEEP EXCAVATION (PCB CONCENTRATION < 50 - ≥ 1 MG/KG)
- [Blue cross-hatch] 4 FT DEEP EXCAVATION (PCB CONCENTRATION < 50 - ≥ 1 MG/KG)
- [Orange diagonal lines] 2 FT DEEP EXCAVATION (PCB CONCENTRATION ≥ 50 MG/KG)
- [Orange cross-hatch] 4 FT DEEP EXCAVATION (PCB CONCENTRATION ≥ 50 MG/KG)
- [Green cross-hatch] 4 FT EXCAVATION OFFSITE (PCB CONCENTRATION ≥ 0.2 MG/KG)



ENVIRONMENT &
 INFRASTRUCTURE SOLUTIONS
 285 DAVIDSON AVENUE, SUITE 405
 SOMERSET, NEW JERSEY 08873
 TELEPHONE: (732) 365-8800

NJ Certificate of Authorization
 Number 24GA28010900

REV	DATE	DESCRIPTION
0	11/30/20	ISSUED FOR BID

PROJECT: EAST BARRACKS RAIL YARD
 TRENTON, NJ
 TITLE: SOIL EXCAVATION AREAS:
 PHASE 1
 (SHEET 1 OF 2)

CLIENT: NATIONAL RAILROAD
 PASSENGER CORPORATION
 (AMTRAK)
 NEW YORK, NY

DESIGNED BY: RWC DRAWN BY: PJK
 CHECKED BY: MBL DATE: 01/13/20
 SCALE: 1"=50' REVISION: 0

VERIFY SCALE
 BAR IS ONE INCH ON
 ORIGINAL DRAWING.
 0 1"
 PROJECT NUMBER: 277710568
 DRAWING NUMBER:
 FIGURE NUMBER: 1

UNLESS OTHERWISE AGREED IN A WRITTEN CONTRACT BETWEEN WOOD AND ITS CLIENT, (1) THIS DOCUMENT CONTAINS INFORMATION THAT IS CONFIDENTIAL AND MAY NOT BE REPRODUCED OR DISCLOSED AND (2) THIS DOCUMENT MAY ONLY BE USED BY THE CLIENT IN THE CONTEXT AND FOR THE EXPRESS PURPOSE FOR WHICH IT WAS BEING DELIVERED. ANY OTHER USE OR RELIANCE ON THIS DOCUMENT BY ANY THIRD PARTY IS AT THAT PARTY'S SOLE RISK AND RESPONSIBILITY.



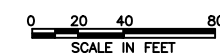
ESTIMATED EXCAVATION QUANTITIES

Area ID	PCB (mg/kg)	Area (sf)	Depth (ft)	Volume (cy)
EX-1	≥ 50	4067	4	603
EX-2	< 50 - ≥ 1	45833	2	3395
EX-3	≥ 50	1542	2	114
EX-4	< 50 - ≥ 1	1147	4	170
EX-5	< 50 - ≥ 1	9224	4	1367

NOTE:
ON-SITE EXCAVATION AREAS 1 THRU 5 ARE COVERED UNDER PHASE 2 WORK

LEGEND

- SITE LOCATION
- EXCAVATION AREA ID NUMBER
- 2 FT DEEP EXCAVATION (PCB CONCENTRATION < 50 - ≥ 1 MG/KG)
- 4 FT DEEP EXCAVATION (PCB CONCENTRATION < 50 - ≥ 1 MG/KG)
- 2 FT DEEP EXCAVATION (PCB CONCENTRATION ≥ 50 MG/KG)
- 4 FT DEEP EXCAVATION (PCB CONCENTRATION ≥ 50 MG/KG)



ENVIRONMENT &
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285 DAVIDSON AVENUE, SUITE 405
SOMERSET, NEW JERSEY 08873
TELEPHONE: (732) 303-6500

NJ Certificate of Authorization
Number 24GA28010900

ISSUED FOR	DATE	REV	DESCRIPTION
ISSUED FOR BID	01/13/2020	0	
ISSUE/REVISION DESCRIPTION			
DRFT BY			
PJK			
RWC			

PROJECT: **EAST BARRACKS RAIL YARD
TRENTON, NJ**
TITLE: **SOIL EXCAVATION AREAS:
PHASE 2
(SHEET 2 OF 2)**

CLIENT: **NATIONAL RAILROAD
PASSENGER CORPORATION
(AMTRAK)
NEW YORK, NY**

SEAL: RICHARD W. CHAPIN
NJ PROFESSIONAL ENGINEER
LICENSE NUMBER GE27860

DESIGNED BY: RWC
DRAWN BY: PJK
CHECKED BY: MBL
DATE: 01/13/20
SCALE: 1"=50'
REVISION: 0
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
PROJECT NUMBER: 277710568
DRAWING NUMBER:
FIGURE NUMBER: 2

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Appendix A: Field Forms



Instructions

Instrument Identification and Source: Record identification number fixed to instrument. If no identification number is clearly visible, record serial number and indicate with "S/N". Identify source of equipment (i.e. name of company from which the device was rented) and for PID the size of the lamp. To avoid repetition, it is permissible to reference a previous log by specific date. However, it is recommended that each monitor be tagged with a project-specific instrument number (i.e. "P1").

Source: Identify source of instrument (i.e. identify company from which the device was rented)

Lamp: Indicate power of infrared lamp in PID (i.e. 10.7 eV or 11.8 eV)

Field Team: Provide full names of Wood personnel in the work area and any other persons who might record data along with

Recorded By: Initials of person taking reading. An entry of " " is permissible to indicate same as above

Location: Identify work location, for example "GP-26A". An entry of " " is permissible to indicate same as above

Time: Record readings approximately every 30 minutes. Use military time, i.e. 20:00, not 8:00 pm

Dir.: Indicate prevailing wind direction during sampling activities. Any change in wind direction during sampling should be noted in Comments and Observations section.

Speed: Indicate qualitative wind speed: "No Wind" "Slight" "Moderate" or "Strong"

Inst. No. Identify the instrument being used based on Instrument Identification and Source (i.e. "P1" is the first PID on the list)

Work Zone: Record instrument readings in worker breathing zone, approximately 5 feet above ground level at location of worker nearest potential source area

Downwind: Record instrument readings in breathing zone at downwind boundary of Exclusion Zone

Other: Record readings from other locations (if monitored), such as site background, upwind boundary of Exclusion Zone and/or distance and direction outside Exclusion Zone. Describe location under comments and observations section.

Comments and Observations: Record pertinent comments including instrument performance, changes in background and identification of potential sources.

Appendix B: Action Level Calculations

Appendix B
Action Level Calculations for Non-Carcinogenic Particulates
East Barrack Rail Yard
Trenton, NJ

Non-carcinogenic

PARTICULATES

Chemical	EPC (mg/kg)(a)	ED (yr)	EF (days)(b)	ET (hrs/24)	AT (yr)	CF (kg/10 ⁶)	RfC (µg/m ³)	RPMAL (µg/m ³)	
PCBs, total	560	1	0.082	0.33	1	1.00E-06	NA	NA	
Benzo(a)anthracene	1.3	1	0.082	0.33	1	1.00E-06	NA	--	
Benzo(b)fluoranthene	2.9	1	0.082	0.33	1	1.00E-06	NA	--	
Chlordane	0.013	1	0.082	0.33	1	1.00E-06	0.7	2.0E+09	(e)
p,p'-DDT	0.97	1	0.082	0.33	1	1.00E-06	NA	--	
p,p'-DDE	0.072	1	0.082	0.33	1	1.00E-06	NA	--	
Dieldrin	0.35	1	0.082	0.33	1	1.00E-06	NA	--	
Endrin	0.58	1	0.082	0.33	1	1.00E-06	NA	--	
Endrin aldehyde	0.2	1	0.082	0.33	1	1.00E-06	NA	--	
Antimony	11	1	0.082	0.33	1	1.00E-06	0.2	6.7E+05	(e)
Cadmium	4.3	1	0.082	0.33	1	1.00E-06	2.0E-02	1.7E+05	(f)
Lead	430	1	0.082	0.33	1	1.00E-06	0.1	8594	(d)
Mercury	0.65	1	0.082	0.33	1	1.00E-06	0.6	3.4E+07	(d)

NOTES

- a maximum concentration
- b 30 days/365 days
- c 8/24 hours
- d short-term RfC (NJDEP, 2018)
- e USEPA (2019) chronic RfC
- f chronic RfC (NJDEP, 2018)
- NA toxicity value not determined

Appendix B
Action Level Calculations for Non-Carcinogenic Particulates
East Barrack Rail Yard
Trenton, NJ

Carcinogenic

PARTICULATES

Trenton, NJ

Chemical	EPC (mg/kg)	ED (yr)	EF (days)(b)	ET (hr)(c)	AT (yr)	CF (kg/10 ⁶)	IUR (µg/m ³) ⁻¹	TR	RPMAL (µg/m ³)	
PCBs, total	506	1	0.082	0.33	70	1.00E-06	1.0E-04	1E-06	5.11E+04	(d)
Benzo(a)anthracene	1.3	1	0.082	0.33	70	1.00E-06	1.1E-04	1E-06	1.81E+07	(d)
Benzo(b)fluoranthene	2.9	1	0.082	0.33	70	1.00E-06	1.1E-04	1E-06	8.11E+06	(d)
Chlordane	0.013	1	0.082	0.33	70	1.00E-06	1.0E-04	1E-06	1.99E+09	(d)
p,p'-DDT	0.97	1	0.082	0.33	70	1.00E-06	9.7E-05	1E-06	2.75E+07	(d)
p,p'-DDE	0.072	1	0.082	0.33	70	1.00E-06	9.7E-05	1E-06	3.70E+08	(d)
Dieldrin	0.35	1	0.082	0.33	70	1.00E-06	4.6E-03	1E-06	1.61E+06	(d)
Endrin	0.58	1	0.082	0.33	70	1.00E-06	NA	1E-06	--	
Endrin aldehyde	0.2	1	0.082	0.33	70	1.00E-06	NA	1E-06	--	
Antimony	11	1	0.082	0.33	70	1.00E-06	NA	1E-06	--	(d)
Cadmium	4.3	1	0.082	0.33	70	1.00E-06	4.2E-03	1E-06	1.43E+05	(d)
Lead	430	1	0.082	0.33	70	1.00E-06	1.5E-05	1E-06	4.01E+05	(d)
Mercury	0.65	1	0.082	0.33	70	1.00E-06	4.6E-03	1E-06	8.65E+05	(d)

NOTES

- a maximum concentration
- b 30 days/365 days
- c 8/24 hours
- d IUR (NJDEP, 2018)
- NA toxicity value not determined



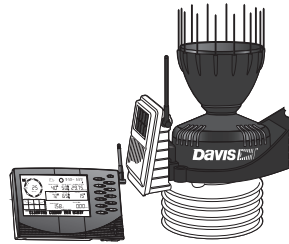
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**Appendix C:
Equipment Manuals**



Wireless Vantage Pro2™ & Vantage Pro2™ Plus Stations

(Including Fan-Aspirated Models)



6152 6162
6153 6163

WIRELESS VANTAGE PRO2™

Vantage Pro2™ (6152, 6153) and Vantage Pro2™ Plus (6162, 6163) Wireless Weather Stations include two components: the Integrated Sensor Suite (ISS) which houses and manages the external sensor array, and the console which provides the user interface, data display, and calculations. The ISS and Vantage Pro2 console communicate via an FCC-certified, license-free, spread-spectrum frequency-hopping (FHSS) transmitter and receiver. User-selectable transmitter ID codes allow up to eight stations to coexist in the same geographic area. The frequency hopping spread spectrum technology provides greater communication strength over longer distances and areas of weaker reception. The Wireless Vantage Pro2 Plus weather station includes two additional sensors that are optional on the Vantage Pro2: the UV sensor and the solar radiation sensor.

The console may be powered by batteries or by the included AC-power adapter. The wireless ISS is solar powered with a battery backup. Use WeatherLink® for Vantage Pro2 and Vantage Vue® to let your weather station interface with a computer, to log weather data, and to upload weather information to the internet.

The 6152 and 6162 rely on passive shielding to reduce solar-radiation induced temperature errors in the outside temperature sensor readings. The Fan-aspirated 6153 and 6163 combine passive shielding with a solar-powered fan that draws outside air in over the temperature and humidity sensors, providing a much more accurate temperature reading than that available using passive shielding alone.

Integrated Sensor Suite (ISS)

(Includes product numbers: 6152, 6153, 6162, 6163, 6322, 6323, 6327 & 6328)

Operating Temperature	-40° to +150°F (-40° to +65°C)
Non-operating Temperature	-40° to +158°F (-40° to +70°C)
Current Draw (ISS SIM only)	0.14 mA (average), 30 mA (peak) at 4 to 6 VDC
Solar Power Panel	0.5 Watts (ISS SIM), plus 0.75 Watts (Fan-Aspirated)
Battery (ISS SIM /Fan-Aspirated)	CR-123 3-Volt Lithium cell / 2 - 1.2 Volt NiMH C-cells
Battery Life (3-Volt Lithium cell)	8 months without sunlight - greater than 2 years depending on solar charging
Battery Life (NiMH C-cells, Fan-Aspirated)	Up to 2 years
Fan Aspiration Rate (Fan-Aspirated only)	
Intake Flow Rate, full sun	190 feet/min. (0.9 m/s)
Intake Flow Rate, battery only	80 feet/min. (0.4 m/s)
Sensor Chamber Flow Rate, full sun	500 feet/min. (2.5 m/s)
Sensor Chamber Flow Rate, battery only	180 feet/min. (0.9 m/s)
Connectors, Sensor	Modular RJ-11
Cable Type	4-conductor, 26 AWG
Cable Length, Anemometer	40 feet (12 m) (included) 240 feet (73 m) (maximum recommended)

Note: Maximum displayable wind decreases as the length of cable increases. At 140' (42 m) of cable, the maximum wind speed displayed is 135 mph (60 m/s); at 240' (73 m), the maximum wind speed displayed is 100 mph (34 m/s).

Wind Speed Sensor	Solid state magnetic sensor
Wind Direction Sensor	Wind vane with potentiometer
Rain Collector Type	Tipping bucket, 0.01" per tip (0.2 mm with metric rain adapter), 33.2 in ² (214 cm ²) collection area
Temperature Sensor Type	PN Junction Silicon Diode
Relative Humidity Sensor Type	Film capacitor element
Housing Material	UV-resistant ABS, polypropylene

2

Wireless Vantage Pro2™

ISS Dimensions (not including anemometer or bird spikes):

Vantage Pro2 with Standard Rad Shield	14.0" x 9.4" x 14.5" (356 mm x 239 mm x 368 mm)
Vantage Pro2 with Fan-Aspirated Rad Shield	20.8" x 9.4" x 16.0" (528 mm x 239 mm x 406 mm)
Vantage Pro2 Plus with Standard Rad Shield	14.3" x 9.7" x 14.5" (363 mm x 246 mm x 368 mm)
Vantage Pro2 Plus with Fan-Aspirated Rad Shield	21.1" x 9.7" x 16.0" (536 mm x 246 mm x 406 mm)

Console

(Includes product number 6312)

Console Operating Temperature	+32° to +140°F (0° to +60°C)
Non-Operating (Storage) Temperature	+14° to +158°F (-10° to +70°C)
Current Draw	0.9 mA average, 30 mA peak, (add 120 mA for display lamps, add 0.125 mA for each optional wireless transmitter received by the console) at 4 - 6 VDC
AC Power Adapter	5 VDC, 300 mA, regulated
Batteries	3 C-cells
Battery Life	up to 9 months
Connectors	Modular RJ-11
Housing Material	UV-resistant ABS plastic
Console Display Type	LCD Transflective
Display Backlight	LEDs
Console Dimensions	
Console with antenna down (L x H x D)	10.625" x 6.125" x 1.625" (270 mm x 156 mm x 41 mm)
Console with antenna extended up (L x H x D)	10.625" x 9.625" x 1.625" (270 mm x 245 mm x 41 mm)
Display (L x H)	5.94" x 3.375" (151 mm x 86 mm)
Weight (with batteries)	1.88 lbs. (.85 kg)

Data Displayed on Console

Data display categories are listed with General first, then in alphabetical order.

General

Historical Data	Includes the past 24 values listed unless otherwise noted; all can be cleared and all totals reset
Daily Data	Includes the earliest time of occurrence of highs and lows; period begins/ends at 12:00 am
Monthly Data	Period begins/ends at 12:00 am on the first of the month
Yearly Data	Period begins/ends at 12:00 am on the first of January unless otherwise noted
Current Display Data	Current display data describes the current reading for each weather variable. In most cases, the variable lists the most recently updated reading or calculation. Some current variable displays can be adjusted so there is an offset for the reading
Current Graph Data	Current graph data appears in the right-most column in the console graph and represents the latest value within the last period on the graph; totals can be set or reset. Display intervals vary. Examples include: Instant, 15-min., and Hourly Reading; Daily, Monthly, High and Low
Graph Time Interval	1 min., 10 min., 15 min., 1 hour, 1 day, 1 month, 1 year (user-selectable, availability depends upon variable selected)
Graph Time Span	24 Intervals + Current Interval (see Graph Intervals to determine time span)
Graph Variable Span (Vertical Scale)	Automatic (varies depending upon data range); Maximum and Minimum value in range appear in ticker
Alarm Indication	Alarms sound for only 2 minutes (time alarm is always 1 minute) if operating on battery power. Alarm message is displayed in ticker as long as threshold is met or exceeded. Alarms can be silenced (but not cleared) by pressing the DONE key.
Transmission Interval	Varies with transmitter ID code from 2.25 seconds (#1=shortest), to 3 seconds (#8=longest)
Update Interval	Varies with sensor - see individual sensor specs

Barometric Pressure

Resolution and Units	0.01" Hg, 0.1 mm Hg, 0.1 hPa/mb (user-selectable)
Range	16.00" to 32.50" Hg, 410 to 820 mm Hg, 540 to 1100 hPa/mb
Elevation Range	-999' to +15,000' (-600 m to 4570 m) (Note that console screen limits entry of lower elevation to -999' when using feet as elevation unit.)
Uncorrected Reading Accuracy	±0.03" Hg (±0.8 mm Hg, ±1.0 hPa/mb) (at room temperature)
Sea-Level Reduction Equation Used	United States Method employed prior to use of current "R Factor" method
Equation Source	Smithsonian Meteorological Tables
Equation Accuracy	±0.01" Hg (±0.3 mm Hg, ±0.3 hPa/mb)
Elevation Accuracy Required	±10' (3m) to meet equation accuracy specification
Overall Accuracy	±0.03" Hg (±0.8 mm Hg, ±1.0 hPa/mb)
Trend (change in 3 hours)	Change 0.06" (2 hPa/mb, 1.5 mm Hg) = Rapidly Change 0.02" (0.7hPa/mb, 0.5 mm Hg)= Slowly
Trend Indication	5 position arrow: Rising (rapidly or slowly), Steady, or Falling (rapidly or slowly)
Update Interval	1 minute or when console BAR key is pressed twice
Current Display	Instant
Current Graph Data	Instant, 15-min., and Hourly Reading; Daily, Monthly, High and Low
Historical Graph Data	15-min. and Hourly Reading; Daily, Monthly Highs and Lows
Alarms	High Threshold from Current Trend for Storm Clearing (Rising Trend) Low Threshold from Current Trend for Storm Warning (Falling Trend)
Range for Rising and Falling Trend Alarms	0.01 to 0.25" Hg (0.1 to 6.4 mm Hg, 0.1 to 8.5 hPa/mb)

Clock

Resolution	1 minute
Units	Time: 12 or 24 hour format (user-selectable)
Date	US or International format (user-selectable)
Accuracy	±8 seconds/month
Adjustments	Time: Automatic Daylight Savings Time (for users in North America and Europe that observe it in AUTO mode, MANUAL setting available for all other areas) Date: Automatic Leap Year
Alarms	Once per day at set time when active

Dewpoint (calculated)

Resolution and Units	1°F or 1°C (user-selectable) °C is converted from °F rounded to the nearest 1°C
Range	-105° to +130°F (-76° to +54°C)
Accuracy	±2°F (±1°C) (typical)
Update Interval	10 to 12 seconds
Source	World Meteorological Organization (WMO)
Equation Used	WMO Equation with respect to saturation of moist air over water
Variables Used	Instant Outside Temperature and Instant Outside Relative Humidity
Current Display Data	Instant Calculation
Current Graph Data	Instant Calculation; Daily, Monthly High and Low
Historical Graph Data	Hourly Calculations; Daily, Monthly Highs and Lows
Alarms	High and Low Threshold from Instant Calculation

Evapotranspiration (calculated, requires solar radiation sensor)

Resolution and Units	0.01" or 0.1 mm (user-selectable)
Range	Daily to 32.67" (832.1 mm); Monthly & Yearly to 199.99" (1999.9 mm)
Accuracy	Greater of 0.01" (0.25 mm) or ±5%, Reference: side-by-side comparison against a CIMIS ET weather station
Update Interval	1 hour
Calculation and Source	Modified Penman Equation as implemented by CIMIS (California Irrigation Management Information System) including Net Radiation calculation
Current Display Data	Latest Hourly Total Calculation
Current Graph Data	Latest Hourly Total Calculation, Daily, Monthly, Yearly Total
Historical Graph Data	Hourly, Daily, Monthly, Yearly Totals
Alarm	High Threshold from Latest Daily Total Calculation

Wireless Vantage Pro2™**Forecast**

Variables Used	Barometric Reading & Trend, Wind Speed & Direction, Rainfall, Temperature, Humidity, Latitude & Longitude, Time of Year
Update Interval	1 hour
Display Format	Icons on top center of display; detailed message in ticker at bottom
Variables Predicted	Sky Condition, Precipitation, Temperature Changes, Wind Direction and Speed

Heat Index (calculated)

Resolution and Units	1°F or 1°C (user-selectable) °C is converted from °F rounded to the nearest 1°C
Range	-40° to +165°F (-40° to +74°C)
Accuracy	±2°F (±1°C) (typical)
Update Interval	10 to 12 seconds
Source	United States National Weather Service (NWS)/NOAA
Formulation Used	Steadman (1979) modified by US NWS/NOAA and Davis Instruments to increase range of use
Variables Used	Instant Outside Temperature and Instant Outside Relative Humidity
Current Display Data	Instant Calculation
Current Graph Data	Instant Calculation; Daily, Monthly High
Historical Graph Data	Hourly Calculations; Daily, Monthly Highs
Alarm	High Threshold from Instant Calculation

Humidity

Inside Relative Humidity (sensor located in console)

Resolution and Units	1%
Range	1 to 100% RH
Accuracy	±2%
Update Interval	1 minute
Current Display Data	Instant (user-adjustable offset available)
Current Graph Data	Instant; Hourly Reading; Daily, Monthly High and Low
Historical Graph Data	Hourly Readings; Daily, Monthly Highs and Lows
Alarms	High and Low Threshold from Instant Reading

Outside Relative Humidity (sensor located in ISS)

Resolution and Units	1%
Range	1 to 100% RH
Accuracy	±2%
Drift	<0.25% per year
Update Interval	50 seconds to 1 minute
Current Display Data	Instant (user-adjustable offset available)
Current Graph Data	Instant; Hourly Reading; Daily, Monthly High and Low
Historical Graph Data	Hourly Readings; Daily, Monthly Highs and Lows
Alarms	High and Low Threshold from Instant Reading

Extra Outside Relative Humidity (sensor located inside Temperature/Humidity Station)

Resolution and Units	1%
Range	1 to 100% RH
Accuracy	±2%
Drift	<0.25% per year
Update Interval	50 seconds to 1 minute
Current Display Data	Instant Reading (user adjustable)
Alarms	High and Low Threshold from Instant Reading

Leaf Wetness (requires leaf wetness sensor)

Resolution	1
Range	0 to 15
Dry/Wet Threshold	User-selectable
Accuracy	±0.5
Update Interval	46 to 54 seconds
Current Graph Data	Instant Reading; Daily High and Low; Monthly High
Historical Graph Data	Hourly Readings; Daily Highs and Lows; Monthly Highs
Alarms	High and Low Thresholds from Instant Reading

Moon Phase

Console Resolution	1/8 (12.5%) of a lunar cycle, 1/4 (25%) of lighted face on console
WeatherLink Resolution	0.09% of a lunar cycle, 0.18% of lighted face maximum (depends on screen resolution)
Range	New Moon, Waxing Crescent, First Quarter, Waxing Gibbous, Full Moon, Waning Gibbous, Last Quarter, Waning Crescent
Accuracy	±38 minutes

Rainfall

Resolution and Units	0.01" or 0.2 mm (user-selectable) (1 mm at totals ≥ 2000 mm)
Daily/Storm Rainfall Range	0 to 99.99" (0 to 999.8 mm)
Monthly/Yearly/Total Rainfall Range	0 to 199.99" (0 to 6553 mm)
Accuracy	For rain rates up to 4"/hr (100 mm/hr): ±4% of total or ± one tip of the bucket (0.01"/0.2mm), whichever is greater.
Update Interval	20 to 24 seconds
Storm Determination Method	0.02" (0.5 mm) begins a storm event, 24 hours without further accumulation ends a storm event
Current Display Data	Totals for Past 15-min
Current Graph Data	Totals for Past 15-min, Past 24-hour, Daily, Monthly, Yearly (start date user-selectable) and Storm (with begin date); Umbrella is displayed when 15-minute total exceeds zero
Historical Graph Data	Totals for 15-min, Daily, Monthly, Yearly (start date user-selectable) and Storm (with begin and end dates)
Alarms	High Threshold from Latest Flash Flood (15-min. total, default is 0.50", 12.7 mm), 24-Hour Total, Storm Total,
Range for Rain Alarms	0 to 99.99" (0 to 999.7 mm)

Rain Rate

Resolution and Units	0.01" or 0.1 mm (user-selectable) at typical rates (see Fig. 1 and 2)
Range	0, 0.04"/hr (1 mm/hr) to 82"/hr (0 to 2090 mm/hr)
Accuracy	±5% for rates less than 5" per hour (127 mm/hr)
Update Interval	20 to 24 seconds
Calculation Method	Measures time between successive tips of tipping bucket. Elapsed time greater than 15 minutes or only one tip of the rain collector constitutes a rain rate of zero.
Current Display Data	Instant
Current Graph Data	Instant and 1-min. Reading; Hourly, Daily, Monthly and Yearly High
Historical Graph Data	1-min Reading; Hourly, Daily, Monthly and Yearly Highs
Alarm	High Threshold from Instant Reading

Soil Moisture (requires soil moisture sensor)

Resolution	1 cb
Range	0 to 200 cb
Update Interval	77 to 90 seconds
Current Graph Data	Instant Reading; Daily and Monthly High and Low
Historical Graph Data	Hourly Readings; Daily and Monthly Highs and Lows
Alarms	High and Low Thresholds from Instant Reading

Solar Radiation (requires solar radiation sensor)

Resolution and Units	1 W/m ²
Range	0 to 1800 W/m ²
Accuracy	±5% of full scale (Reference: Eppley PSP at 1000 W/m ²)
Drift	up to ±2% per year
Cosine Response	±3% for angle of incidence from 0° to 75°
Temperature Coefficient	-0.067% per °F (-0.12% per °C); reference temperature = 77°F (25 °C)
Update Interval	50 seconds to 1 minute (5 minutes when dark)
Current Graph Data	Instant Reading and Hourly Average; Daily, Monthly High
Historical Graph Data	Hourly Average, Daily, Monthly Highs
Alarm	High Threshold from Instant Reading

Sunrise and Sunset

Resolution	1 minute
Accuracy	±1 minute
Reference	United States Naval Observatory

Temperature

Inside Temperature (sensor located in console)

Resolution and Units	Current Data: 0.1°F or 1°F or 0.1°C or 1°C (user-selectable) °C is converted from °F rounded to the nearest 1°C Historical Data and Alarms: 1°F or 1°C (user-selectable)
Range	+32° to +140°F (0° to +60°C)
Sensor Accuracy	±0.5°F (±0.3°C)
Update Interval	1 minute
Current Display Data	Instant (user-adjustable offset available)
Current Graph Data	Instant Reading; Daily and Monthly High and Low
Historical Graph Data	Hourly Readings; Daily and Monthly Highs and Lows
Alarms	High and Low Thresholds from Instant Reading

Outside Temperature (sensor located in ISS)

Resolution and Units	Current Data: 0.1°F or 1°F or 0.1°C or 1°C (user-selectable) nominal °C is converted from °F rounded to the nearest 1°C Historical Data and Alarms: 1°F or 1°C (user-selectable)
Range	-40° to +150°F (-40° to +65°C)
Sensor Accuracy	±0.5°F (±0.3°C)
Radiation Induced Error (Passive Shield)	+4°F (2°C) at solar noon (insolation = 1040 W/m ² , avg. wind speed ≤ 2 mph (1 m/s)) (reference: RM Young Model 43408 Fan-Aspirated Radiation Shield)
Radiation Induced Error (Fan-Aspirated Shield)	+0.6°F (0.3°C) at solar noon (insolation = 1040 W/m ² , avg. wind speed ≤ 2 mph (1 m/s)) (reference: RM Young Model 43408 Fan-Aspirated Radiation Shield)
Update Interval	10 to 12 seconds
Current Display Data	Instant (user-adjustable offset available)
Current Graph Data	Instant Reading; Daily, Monthly, Yearly High and Low
Historical Graph Data	Hourly Readings; Daily, Monthly, Yearly Highs and Lows
Alarms	High and Low Thresholds from Instant Reading

Extra Temperature Probes

Resolution and Units	Current Data: 1°F or 1°C (user-selectable) °C is converted from °F rounded to the nearest 1°C Historical Data and Alarms: 1°F or 1°C (user-selectable)
Range	-40° to +150°F (-40° to +65°C)
Sensor Accuracy	±1°F (±0.5°C) (typical) See Fig. 3
Update Interval	10 to 12 seconds (77 to 90 seconds for Leaf Wetness/Temperature and Soil Moisture/Temperature Stations)
Current Display Data	Instant Reading (user-adjustable offset available)
Alarms	High and Low Thresholds from Instant Reading

Temperature Humidity Sun Wind Index (requires solar radiation sensor)

Resolution and Units	1°F or 1°C (user-selectable) °C is converted from °F rounded to the nearest 1°C
Range	-90° to +165°F (-68° to +74°C)
Accuracy	±4°F (±2°C) (typical)
Update Interval	10 to 12 seconds
Sources and Formulation Used	United States National Weather Service (NWS)/NOAA Steadman (1979) modified by US NWS/NOAA and Davis Instruments to increase range of use and allow for cold weather use
Variables Used	Instant Outside Temperature, Instant Outside Relative Humidity, 10-minute Average Wind Speed, 10-minute Average Solar Radiation
Formulation Description	Uses Heat Index as base temperature, affects of wind and solar radiation are either added or subtracted from this base to give an overall effective temperature
Current Graph Data	Instant and Hourly Calculation; Daily, Monthly High
Historical Graph Data	Hourly Calculation; Daily, Monthly Highs
Alarm	High Threshold from Instant Reading

Ultra Violet (UV) Radiation Dose (requires UV sensor)

Resolution and Units	0.1 MEDs to 19.9 MEDs; 1 MED above 19.9 MEDS
Range	0 to 199 MEDs
Accuracy	±5% of daily total
Drift	up to ±2% per year
Update Interval	50 seconds to 1 minute (5 minutes when dark)
Current Graph Data	Latest Daily Total (user resettable at any time from Current Screen)
Historical Graph Data	Hourly, Daily Totals (user reset from Current Screen does not affect these values)
Alarm	High Threshold from Daily Total
Alarm Range	0 to 19.9 MEDs

Ultra Violet (UV) Radiation Index (requires UV sensor)

Resolution and Units	0.1 Index
Range	0 to 16 Index
Accuracy	±5% of full scale (Reference: Yankee UVB-1 at UV index 10 (Extremely High))
Cosine Response	±4% FS (0° to 90° zenith angle)
Update Interval	50 seconds to 1 minute (5 minutes when dark)
Current Graph Data	Instant Reading and Hourly Average; Daily, Monthly High
Historical Graph Data	Hourly Average, Daily, Monthly Highs
Alarm	High Threshold from Instant Calculation

Wind

Wind Chill (Calculated)

Resolution and Units	1°F or 1°C (user-selectable) °C is converted from °F rounded to the nearest 1°C
Range	-110° to +135°F (-79° to +57°C)
Accuracy	±2°F (±1°C) (typical)
Update Interval	10 to 12 seconds
Source	United States National Weather Service (NWS)/NOAA
Equation Used	Osczevski (1995) (adopted by US NWS in 2001)
Variables Used	Instant Outside Temperature and 10-min. Avg. Wind Speed
Current Display Data	Instant Calculation
Current Graph Data	Instant Calculation; Hourly, Daily and Monthly Low
Historical Graph Data	Hourly, Daily and Monthly Lows
Alarm	Low Threshold from Instant Calculation

Wind Direction

Range	1 - 360°
Display Resolution	16 points (22.5°) on compass rose, 1° in numeric display
Accuracy	±3°
Update Interval	2.5 to 3 seconds
Current Display Data	Instant (user-adjustable offset available)
Current Graph Data	Instant; 10-min. Dominant; Hourly, Daily, Monthly Dominant
Historical Graph Data	Past 6 10-min. Dominants on compass rose only; Hourly, Daily, Monthly Dominants

Wind Speed

Resolution and Units	1 mph, 1 km/h, 0.4 m/s, or 1 knot (user-selectable). Measured in mph, other units are converted from mph and rounded to nearest 1 km/hr, 0.1 m/s, or 1 knot.
Range	0 to 200 mph, 0 to 173 knots, 0 to 89 m/s, 0 to 322 km/h
Update Interval	Instant Reading: 2.5 to 3 seconds, 10-minute Average: 1 minute
Accuracy	±2 mph (2 kts, 3.2 km/h, 0.9 m/s) or ±5%, whichever is greater
Maximum Cable Length	240 feet (73 m) (See note on page 1)
Current Display Data	Instant
Current Graph Data	Instant; 10-minute and Hourly Average; Hourly High; Daily, Monthly and Yearly High with Direction of High
Historical Graph Data	10-min. and Hourly Averages; Hourly Highs; Daily, Monthly and Yearly Highs with Direction of Highs
Alarms	High Thresholds from Instant Reading and 10-minute Average

Wireless Communications

Transmit/Receive Frequency

US Models	902 - 928 MHz FHSS,
EU Models	868.0 - 868.6 MHz FHSS
Japan Models	928.15 - 929.65 MHz FHSS
NZ Models	921 - 928 MHz FHSS
India Models	865.0 - 867.0 MHz FHSS

ID Codes Available.....8

Output Power

US Models	902 - 928 MHz FHSS: FCC-certified low power, less than 8 mW, no license required
EU Models	868.0 - 868.6 MHz FHSS. CE-certified, less than 8 mW, no license required.
Japan Models	928.15 - 929.65 MHz FHSS, less than 1 mW, no license required.
NZ Models	921- 928 MHz FHSS, less than 10mW, no license required.
India Models	865.0 - 867.0 MHz, less than 10mW, no license required.

Range: All models except Japan

Line of Sight	up to 1000 feet (300 m)
Through Walls	200 to 400 feet (60 to 120 m)

Range: Japan models

Line of Sight	up to 300 feet (100 m)
Through Walls	50 to 200 feet (15 to 60m)

Sensor Inputs

RF Filtering	RC low-pass filter on each signal line
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Sensor Charts

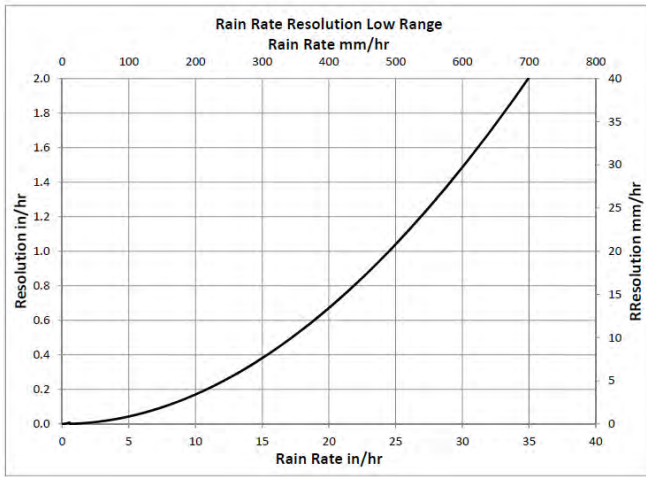


Figure 1. Low Range Rain Rate Resolution

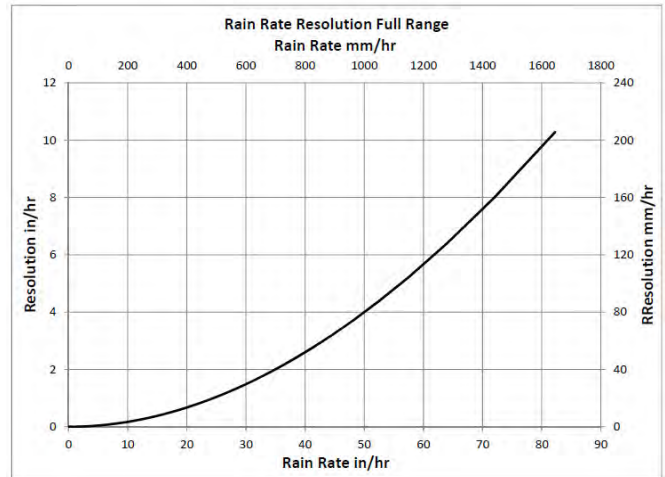


Figure 2: Full Range Rain Rate Resolution

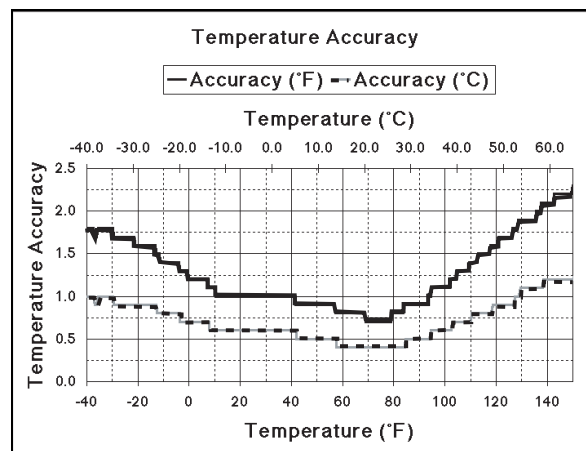


Figure 3. External Temperature Probe Accuracy

Package Dimensions

Product #	Package Dimensions (Length x Width x Height)	Package Weight	UPC Codes
6152 6152EU 6152UK	17.50" x 10.4" x 16.0" (445 mm x 264 mm x 406 mm)	11 lbs. 13 oz. (5.4 kg)	011698 00229 0 011698 00347 1 011698 00348 8
6162 6162EU 6162UK		11 lbs. 15 oz. (5.4 kg)	011698 00306 8 011698 00307 5 001698 00308 2
6153 6153EU 6153UK	14.9 x 12.9" x 23.4" (378 mm x 327 mm x 594 mm)	16 lbs. 11 oz. (7.6 kg)	011698 00335 8 011698 00336 5 001698 00337 2
6163 6163EU 6163UK		17 lbs. 5 oz. (7.9 kg)	011698 00341 9 011698 00342 6 001698 00342 3
6322 6322OV	17.50" x 10.4" x 16.0" (445 mm x 264 mm x 406 mm)	9 lbs.. 1 oz. (4.1 kg)	011698 00776 9 011698 00778 3
6327 6327OV		11 lbs. 1 oz. (5.0 kg)	011698 00781 3 011698 00783 7
6323 6323OV	14.9" x 12.9" x 23.4" (378 mm x 327 mm x 594 mm)	15 lbs. 15 oz. (7.2 kg)	011698 00779 0 011698 00780 6
6328 6328OV		16 lbs. 8 oz. (7.5 kg)	011698 00784 4 011698 00785 1
6312 6312EU 6312UK	12.6" x 9.3" x 2.5" (320 mm x 235 mm x 64 mm)	2 lbs. 10 oz. (1.2 kg)	011698 00724 0 011698 00766 0 011698 00767 7

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P/N 059-4020-000

FCC Information

Contains FCC ID: PI4411B

The enclosed device complies with part 15 of the FCC rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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Read Before Operating

This manual must be carefully read by all individuals who have or will have the responsibility of using, maintaining, or servicing this product. The product will perform as designed only if it is used, maintained, and serviced in accordance with the manufacturer's instructions. The user should understand how to set the correct parameters and interpret the obtained results.

CAUTION!

To reduce the risk of electric shock, turn the power off before removing the instrument cover. Disconnect the battery before removing sensor module for service. Never operate the instrument when the cover is removed. Remove instrument cover and sensor module only in an area known to be non-hazardous.

Special Notes



When the instrument is taken out of the transport case and turned on for the first time, there may be some residual organic or inorganic vapor trapped inside the detector chamber. The initial PID sensor reading may indicate a few ppm. Enter an area known to be free of any organic vapor and turn on the instrument. After running for several minutes, the residual vapor in the detector chamber will be cleared and the reading should return to zero.



The battery of the instrument discharges slowly even if it is turned off. If the instrument has not been charged for 5 to 7 days, the battery voltage will be low. Therefore, it is a good practice to always charge the instrument before using it. It is also recommended to fully charge the instrument for *at least 10 hours* before first use. Refer to this User Guide's section on battery charging for more information on battery charging and replacement.

WARNINGS

STATIC HAZARD: Clean only with damp cloth.

For safety reasons, this equipment must be operated and serviced by qualified personnel only. Read and understand instruction manual completely before operating or servicing.

Use only RAE Systems battery packs, part numbers 059-3051-000, 059-3052-000, and 059-3054-000. This instrument has not been tested in an explosive gas/air atmosphere having an oxygen concentration greater than 21%. Substitution of components may impair intrinsic safety. Recharge batteries only in non-hazardous locations.

Do not mix old and new batteries or batteries from different manufacturers.

The calibration of all newly purchased RAE Systems instruments should be tested by exposing the sensor(s) to known concentration calibration gas before the instrument is put into service.

For maximum safety, the accuracy of the instrument should be checked by exposing it to a known concentration calibration gas before each day's use.

Do not use USB/PC communication in hazardous locations.

AVERTISSEMENT

DANGER RISQUE D'ORIGINE ELECTROSTATIQUE: Nettoyer uniquement avec un chiffon humide.

Pour des raisons de sécurité, cet équipement doit être utilisé, entretenu et réparé uniquement par un personnel qualifié. Étudier le manuel d'instructions en entier avant d'utiliser, d'entretenir ou de réparer l'équipement.

Utiliser seulement l'ensemble de batterie RAE Systems, la référence 059-3051-000 au 059-3052-000 au 059-3054-000. Cet instrument n'a pas été essayé dans une atmosphère de gaz/air explosive ayant une concentration d'oxygène plus élevée que 21%. La substitution de composants peut compromettre la sécurité intrinsèque. Ne charger les batteries que dans emplacements désignés non-dangereuse.

Ne pas mélanger les anciennes et les nouvelles batteries, ou bien encore les batteries de différents fabricants.

La calibration de tous les instruments de RAE Systems doit être testée en exposant l'instrument à une concentration de gaz connue par une procédure de tarage avant de mettre en service l'instrument pour la première fois.

Pour une sécurité maximale, la sensibilité de l'instrument doit être vérifiée en exposant l'instrument à une concentration de gaz connue par une procédure de tarage avant chaque utilisation journalière.

Ne pas utiliser de connexion USB/PC en zone dangereuse.

Standard Contents

Instrument

Calibration Kit

Charging Cradle

AC/DC Adapter

Alkaline Battery Adapter

Data Cable

CD-ROM With User's Guide, Quick Start Guide, and related materials

General Information

The compact instrument is designed as a broadband VOC gas monitor and datalogger for work in hazardous environments. It monitors Volatile Organic Compounds (VOC) using a photoionization detector (PID) with a 9.8 eV, 10.6 eV, or 11.7 eV gas-discharge lamp. Features are:

Lightweight and Compact

- Compact, lightweight, rugged design
- Built-in sample draw pump

Dependable and Accurate

- Up to 16 hours of continuous monitoring with rechargeable battery pack
- Designed to continuously monitor VOC vapor at parts-per-million (ppm) levels

User-friendly

- Preset alarm thresholds for STEL, TWA, low- and high-level peak values.
- Audio buzzer and flashing LED display are activated when the limits are exceeded.

Datalogging Capabilities

- 260,000-point datalogging storage capacity for data download to PC

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The instrument consists of a PID with associated microcomputer and electronic circuit. The unit is housed in a rugged case with a backlit LCD and 3 keys to provide easy user interface. It also has a built-in flashlight for operational ease in dark locations.

Physical Description

The main components of the portable VOC monitoring instrument include:

- Three keys for user to interact with the instrument: 3 operation/programming keys for normal operation or programming
- LCD display with back light for direct readout and calculated measurements
- Built-in flashlight for illuminating testing points in dark environments
- Buzzer and red LEDs for alarm signaling whenever exposures exceed preset limits
- Charge contacts for plugging directly to its charging station
- Gas entry and exit ports
- USB communication port for PC interface
- Protective rubber cover

Specifications

Size:	9.25" L x 3.6" W x 2.9" H
Weight:	28 oz with battery pack
Detector:	Photoionization sensor with 9.8, 10.6, or 11.7 eV UV lamp
Battery:	A 3.7V rechargeable Lithium-Ion battery pack (snap in, field replaceable, at non-hazardous location only) Alkaline battery holder (for 4 AA batteries)
Battery Charging:	Less than 8 hours to full charge
Operating Hours:	Up to 16 hours continuous operation
Display:	Large dot matrix screen with backlight

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Measurement range & resolution

Lamp	Range	Resolution
10.6 eV	0.1 ppm to 15,000 ppm	0.1 ppm
9.8 eV	0.1 ppm to 5,000 ppm	0.1 ppm
11.7 eV	0.1 ppm to 2,000 ppm	0.1 ppm

- Response time (T_{90}):** 2 seconds
- Accuracy (Isobutylene):** 10 to 2000 ppm: $\pm 3\%$ at calibration point.
- PID Detector:** Easy access to lamp and sensor for cleaning and replacement
- Correction Factors:** Over 200 VOC gases built in (based on RAE Systems Technical Note TN-106)
- Calibration:** Two-point field calibration of zero and standard reference gases
- Calibration Reference:** Store up to 8 sets of calibration data, alarm limits and span values
- Inlet Probe:** Flexible 5" tubing
- Radio module:** Bluetooth (2.4GHz), RF module (433MHz, 868MHz, 915MHz, or 2.4GHz)
- Keypad:** 1 operation key and 2 programming keys; 1 flashlight switch
- Direct Readout:** Instantaneous, average, STEL, TWA and peak value, and battery voltage
- Intrinsic Safety:** US and Canada: Class I, Division 1, Groups A, B, C, D
Europe: ATEX (0575 Ex II 2G Ex ia IIC/IIB T4 Gb)
KEMA 07 ATEX 0127
Complies with EN60079-0:2009, EN60079-11:2007

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IECE_x CSA 10.0005 Ex ia IIC/IIB T4 Gb
Complies with IEC 60079-0:2007,
IEC 60079-11:2006
(IIC: 059-3051-000 Li-ion bat pack
or 059-3054-000 NiMH bat pack;
IIB: 059-3052-000 alkaline bat pack)

EM Interference:	Highly resistant to EMI/RFI. Compliant with EMC R&TTE (RF Modules)
Alarm Setting:	Separate alarm limit settings for Low, High, STEL and TWA alarm
Operating Mode:	Hygiene or Search mode
Alarm:	Buzzer 95dB at 30cm and flashing red LEDs to indicate exceeded preset limits, low battery voltage, or sensor failure
Alarm Type:	Latching or automatic reset
Real-time Clock:	Automatic date and time stamps on datalogged information
Datalogging:	260,000 points with time stamp, serial number, user ID, site ID, etc.
Communication:	Upload data to PC and download instrument setup from PC via USB on charging station.
Sampling Pump:	Internally integrated. Flow rate: 450 to 550 cc/min.
Temperature:	-20° C to 50° C (-4° to 122° F)
Humidity:	0% to 95% relative humidity (non-condensing)
Housing (including rubber boot):	Polycarbonate, splashproof and dustproof Battery can be changed without removing rubber boot.

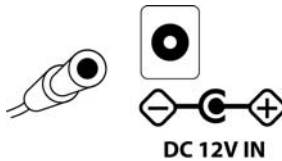
Charging The Battery

Always fully charge the battery before using the instrument. The instrument's Li-ion battery is charged by placing the instrument in its cradle. Contacts on the bottom of the instrument meet the cradle's contacts, transferring power without other connections.

Note: Before setting the instrument into its charging cradle, visually inspect the contacts to make sure they are clean. If they are not, wipe them with a soft cloth. Do not use solvents or cleaners.

Follow this procedure to charge the instrument:

1. Plug the AC/DC adapter's barrel connector into the instrument's cradle.



2. Plug the AC/DC adapter into the wall outlet.
3. Place the instrument into the cradle, press down, and lean it back. It locks in place and the LED in the cradle glow

The instrument begins charging automatically. The “Primary” LED in the cradle blinks green to indicate charging. During charging, the diagonal lines in the battery icon on the instrument's display are animated and you see the message “Charging...”

When the instrument's battery is fully charged, the battery icon is no longer animated and shows a full battery. The message “Fully charged!” is shown. The cradle's LED glows continuously green.



Note: If you see the “Battery Charging Error” icon (a battery outline with an exclamation mark inside), check that the instrument or rechargeable battery has been set into the cradle



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properly. If you still receive the message, check the Troubleshooting section of this guide.

Note: If the instrument or battery has been in the cradle for more than 10 hours and you see the “Battery Charging Error” icon and a message that says, “Charging Too Long,” this indicates that the battery is not reaching a full charge. Try changing the battery and make sure the contacts between the instrument (or battery) are meeting the cradle. If the message is still shown, consult your distributor or RAE Systems Technical Services.

Charging A Spare Rechargeable Battery

A rechargeable Li-ion battery can be charged when it is not inside the monitor. The charging cradle is designed to accommodate both types of charging. Contacts on the bottom of the battery meet the contacts on the cradle, transferring power without other connections, and a spring-loaded capture holds the battery in place during charging.

1. Plug the AC/DC adapter into the monitor's cradle.
2. Place the battery into the cradle, with the gold-plated contacts on top of the six matching charging pins.
3. Plug the AC/DC adapter into the wall outlet.

The battery begins charging automatically. During charging, the Secondary LED in the cradle blinks green. When charging is complete, it glows steady green.

Release the battery from the cradle by pulling it back toward the rear of the cradle and tilting it out of its slot.

Note: If you need to replace the Li-ion battery pack, replacements are available from RAE Systems. The part number is 059-3051-000.

Note: An Alkaline Battery Adapter (part number 059-3052-000), which uses four AA alkaline batteries (Duracell MN1500), may be substituted for the Li-Ion battery.

WARNING!

To reduce the risk of ignition of hazardous atmospheres, recharge and replace batteries only in areas known to be non-hazardous. Remove and replace batteries only in areas known to be non-hazardous.

Low Voltage Warning

When the battery's charge falls below a preset voltage, the instrument warns you by beeping once and flashing once every minute, and the "empty battery" icon blinks on and off once per second. You should turn off the instrument within 10 minutes and either recharge the battery by placing the instrument in its cradle, or replace the battery with a fresh one with a full charge.



Clock Battery

An internal clock battery is mounted on one of the instrument's printed circuit boards. This long-life battery keeps settings in memory from being lost whenever the Li-ion battery or alkaline batteries are removed. This backup battery should last approximately five years, and must be replaced by an authorized RAE Systems service technician. It is not user-replaceable.

Data Protection While Power Is Off

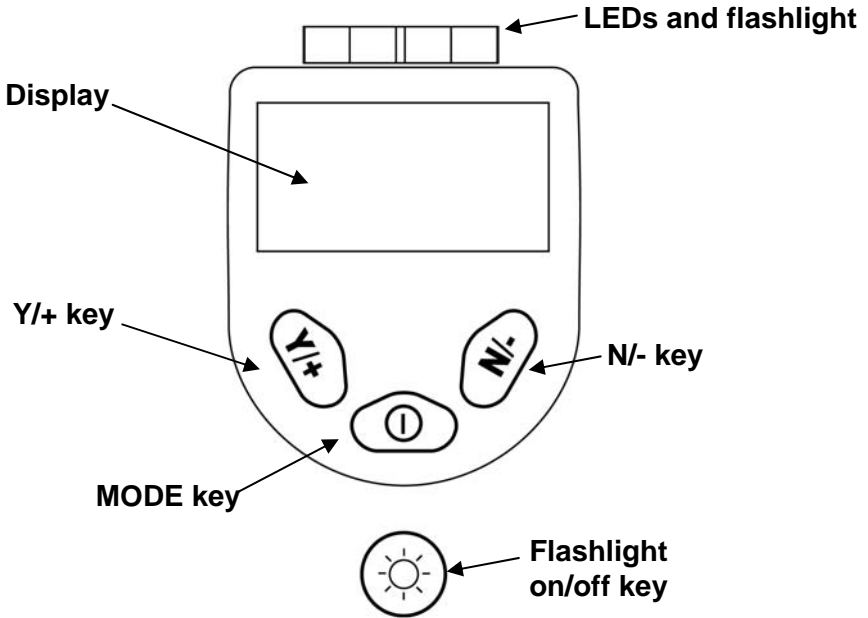
When the instrument is turned off, all the current real-time data including last measured values are erased. However, the datalog data is preserved in non-volatile memory. Even if the battery is disconnected, the datalog data will not be lost.

User Interface

The instrument's user interface consists of the display, LEDs, an alarm transducer, and four keys. The keys are:

- Y/+
- MODE
- N/-
- Flashlight on/off

The LCD display provides visual feedback that includes the reading, time, battery condition, and other functions.



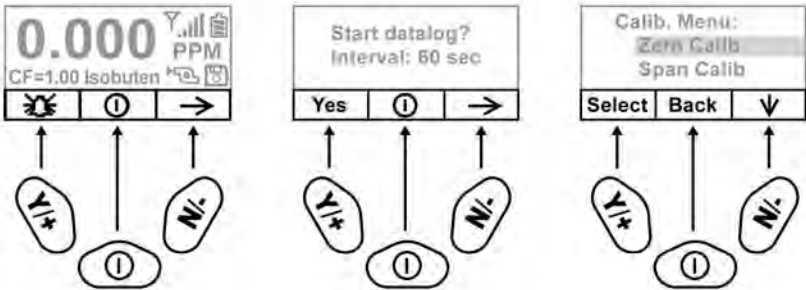
In addition to their labeled functions, the keys labeled Y/+, MODE, and N/- act as “soft keys” that control different parameters and make different selections within the instrument's menus. From menu to

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menu, each key controls a different parameter or makes a different selection.

Three panes along the bottom of the display are “mapped” to the keys. These change as menus change, but at all times the left pane corresponds to the [Y/+] key, the center pane corresponds to the [MODE] key, and the right pane corresponds to the [N/-] key. Here are three examples of different menus with the relationships of the keys clearly shown:

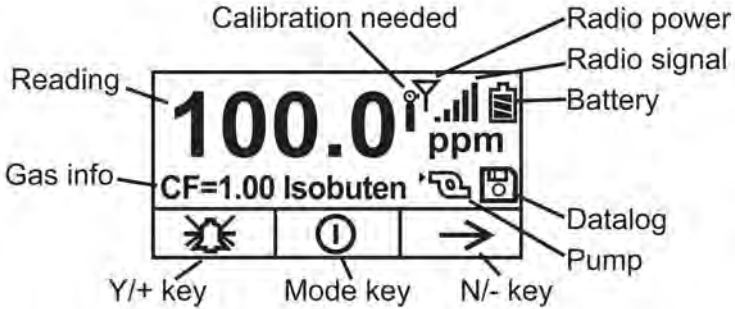
RELATIONSHIP OF BUTTONS TO CONTROL FUNCTIONS



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Display

The display shows the following information:



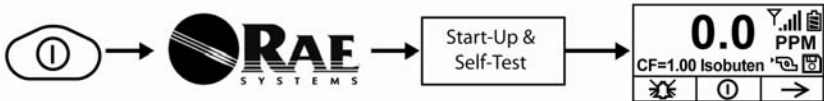
Graph	Graphic representation of concentration plotted over time
Gas info	Tells the Correction Factor and type of calibration gas
Reading	Concentration of gas as measured by the instrument
Calibration needed	Indicates that calibration should be performed
Radio power	Indicates whether radio connection is on or off
Radio signal	Indicates signal strength in 5-bar bargraph
Battery	Indicates battery level in 3 bars
Pump	Indicates that pump is working
Datalog	Indicates whether datalog is on or off
Y/+	Y/+ key's function for this screen
MODE	MODE key's function for this screen
N/-	N/- key's function for this screen

Operating The Instrument

The instrument is designed as a broadband VOC gas monitor and datalogger for work in hazardous environments. It gives real-time measurements and activates alarm signals whenever the exposure exceeds preset limits. Prior to factory shipment, the instrument is preset with default alarm limits and the sensor is pre-calibrated with standard calibration gas. However, you should test the instrument and verify the calibration before the first use. After the instrument is fully charged and calibrated, it is ready for immediate operation.

Turning The Instrument On

1. With the instrument turned off, press and hold [MODE].
2. When the display turns on, release the [MODE] key.



The RAE Systems logo should appear first. (If the logo does not appear, there is likely a problem and you should contact your distributor or RAE Systems Technical Support.) The instrument is now operating and performs self tests. If any tests (including sensor and memory tests fail), refer to the Troubleshooting section of this guide.

Once the startup procedure is complete, the instrument shows a numerical reading screen with icons. This indicates that the instrument is fully functional and ready to use.

Turning The Instrument Off

1. Press and hold the Mode key for 3 seconds. A 5-second countdown to shutoff begins.
2. Once the countdown stops, the instrument is off. Release the Mode key.
3. When you see “Unit off...” release your finger from the [MODE] key. The instrument is now off.

Note: You must hold your finger on the key for the entire shutoff process. If you remove your finger from the key during the countdown, the shutoff operation is canceled and the instrument continues normal operation.

Operating The Built-In Flashlight

The instrument has a built-in flashlight that helps you point the probe in dark places. Press the flashlight key to turn it on. Press it again to turn it off.

Note: Using the flashlight for extended periods shortens the battery's operating time before it needs recharging.

Pump Status

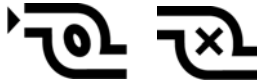
IMPORTANT!

During operation, make sure the probe inlet and the gas outlet are free of obstructions. Obstructions can cause premature wear on the pump, false readings, or pump stalling. During normal operation, the pump icon alternately shows inflow and outflow as shown here:



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During duty cycling (PID lamp cleaning), the display shows these icons in alternation:



If there is a pump failure or obstruction that disrupts the pump, you will see this icon blinking on and off:



If you see this blinking icon, consult the Troubleshooting section of this guide.

Calibration Status

The instrument displays this icon if it requires calibration:



Calibration is required (and indicated by this icon) if:

- The lamp type has been changed (for example, from 10.6 eV to 9.8 eV).
- The sensor has been replaced.
- It has been 30 days or more since the instrument was last calibrated.
- If you have changed the calibration gas type without recalibrating the instrument.

Operating Modes

Your instrument operates in different modes, depending on the model and its factory default settings. In some cases, you can change modes using a password and using the instrument's navigation. In other cases, you must use ProRAE Studio software.

The default setting for your instrument is:

User Mode: Basic
Operation Mode: Hygiene

This is outlined in detail on page 74.

The other options, covered later in this guide, are:

User Mode: Advanced (page 78)
Operation Mode: Hygiene

User Mode: Advanced (page 82)
Operation Mode: Search

Using ProRAE Studio allows access to other options. In addition, Diagnostic Mode (page 83) is available for service technicians.

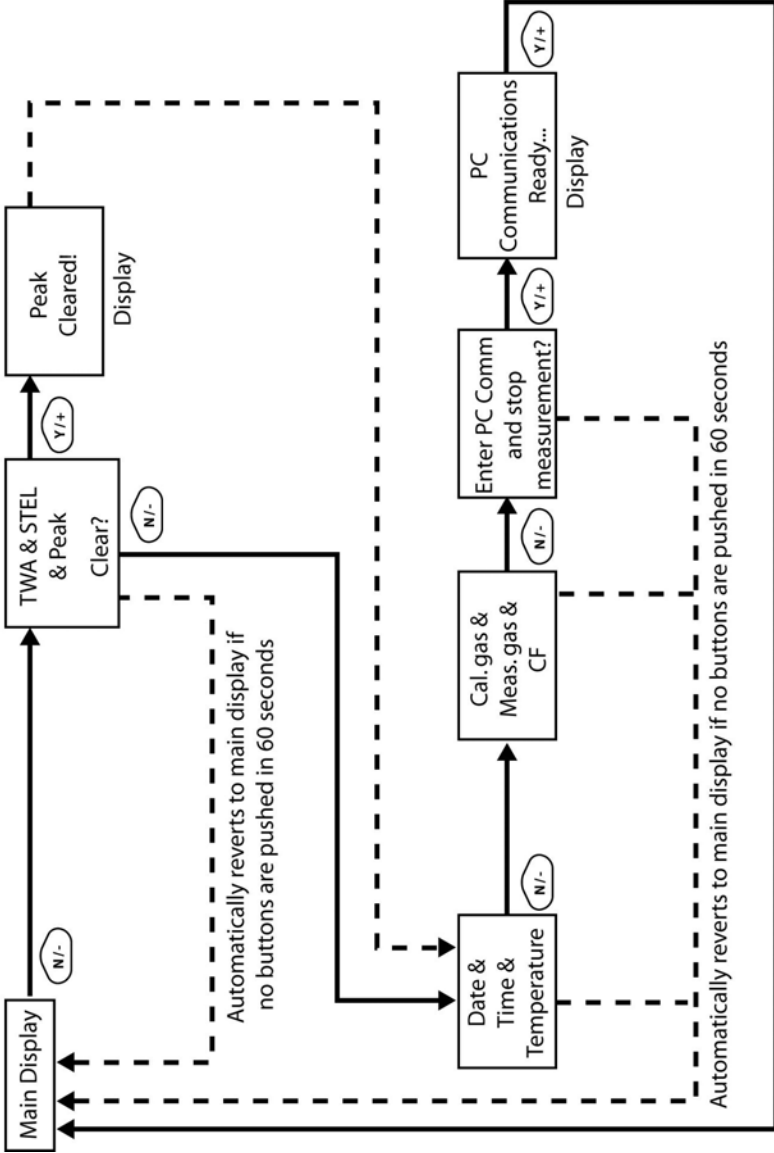
Basic User Level/Hygiene Mode (Default Settings)

The instrument is programmed to operate in Basic User Level/Hygiene Mode as its default. This gives you the most commonly needed features while requiring the fewest parameter adjustments.

Pressing [N/-] steps you from one screen to the next, and eventually return to the main display. If you do not press a key within 60 seconds after entering a display, the instrument reverts to its main display.

Note: While viewing any of these screens, you can shut off your instrument by pressing [MODE].

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After communications are complete, reverts to main display

Note: Dashed line indicates automatic progression.

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After the instrument is turned on, it runs through the start-up menu. Then the message “**Please apply zero gas...**” is displayed.

At this point, you can perform a zero air (fresh air) calibration. If the ambient air is clean, you can use that. Otherwise, use a cylinder of zero air. Refer to Zero Calibration on page 37 for a more detailed description of zero calibration.

Start zero calibration by pressing Start. You see the message “Zeroing...” followed by a 30-second countdown.

Note: You can press [MODE] to quit, bypassing the zero air calibration.

When zero calibration is complete, you see the message:

Zeroing is done!

Reading = 0.0 ppm

The instrument is now sampling and collecting data.

Note: At the Average & Peak, Date & Time & Temperature, Calibration Gas & Measurement Gas & Correction Factor, and PC Communications screens, the instrument automatically goes to the main display after 60 seconds if you do not push a key to make a selection.

Alarm Signals

During each measurement period, the gas concentration is compared with the programmed alarm limits (gas concentration alarm limit settings). If the concentration exceeds any of the preset limits, the loud buzzer and red flashing LED are activated immediately to warn you of the alarm condition.

In addition, the instrument alarms if one of the following conditions occurs: battery voltage falls below a preset voltage level, failure of the UV lamp, or pump stall.

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Alarm Signal Summary

Message	Condition	Alarm Signal
HIGH	Gas exceeds "High Alarm" limit	3 beeps/flashes per second*
OVR	Gas exceeds measurement range	3 beeps/flashes per second*
MAX	Gas exceeds electronics' maximum range	3 beeps/flashes per second*
LOW	Gas exceeds "Low Alarm" limit	2 beeps/flashes per second*
TWA	Gas exceeds "TWA" limit	1 Beep/flash per second*
STEL	Gas exceeds "STEL" limit	1 Beep/flash per second*
Pump icon flashes	Pump failure	3 beeps/flashes per second
Lamp	PID lamp failure	3 beeps/flashes per second plus "Lamp" message on display
Battery icon flashes	Low battery	1 flash, 1 beep per minute plus battery icon flashes on display
CAL	Calibration failed, or needs calibration	1 beep/flash per second
NEG	Gas reading measures less than number stored in calibration	1 beep/flash per second

* Hygiene mode only. In Search mode, the number of beeps per second (1 to 7) depends upon the concentration of the sampled gas. Faster rates indicate higher concentrations.

Preset Alarm Limits & Calibration

The instrument is factory calibrated with standard calibration gas, and is programmed with default alarm limits.

Cal Gas (Isobutylene)	Cal Span	unit	Low	High	TWA	STEL
MiniRAE 3000	100	ppm	50	100	10	25

Testing The Alarm

You can test the alarm whenever the main (Reading) display is shown. Press [Y/+], and the audible and visible alarms are tested.

Integrated Sampling Pump

The instrument includes an integrated sampling pump. This diaphragm-type pump that provides a 450 to 550 cc per minute flow rate. Connecting a Teflon or metal tubing with 1/8" inside diameter to the gas inlet port of the instrument, this pump can pull in air samples from 100' (30 m) away horizontally or vertically.

Note: In Search Mode, the pump turns on when a sample measurement is started, and turns off when the sample is manually stopped.

If liquid or other objects are pulled into the inlet port filter, the instrument detects the obstruction and immediately shuts down the pump. The alarm is activated and a flashing pump icon is displayed.

You should acknowledge the pump shutoff condition by clearing the obstruction and pressing the [Y/+] key while in the main reading display to restart the pump.

Backlight

The LCD display is equipped with an LED backlight to assist in reading the display under poor lighting conditions.

Datalogging

During datalogging, the instrument displays a disk icon to indicate that datalogging is enabled. The instrument stores the measured gas concentration at the end of every sample period (when data logging is enabled). In addition, the following information is stored: user ID, site ID, serial number, last calibration date, and alarm limits. All data are retained (even after the unit is turned off) in non-volatile memory so that it can be down-loaded at a later time to a PC.

Datalogging event

When Datalogging is enabled, measurement readings are being saved. These data are stored in “groups” or “events.” A new event is created and stored each time the instrument is turned on and is set to automatic datalogging, or a configuration parameter is changed, or datalogging is interrupted. The maximum time for one event is 24 hours or 28,800 points. If an event exceeds 24 hours, a new event is automatically created. Information, such as start time, user ID, site ID, gas name, serial number, last calibration date, and alarm limits are recorded.

Datalogging sample

After an event is recorded, the unit records a shorter form of the data. When transferred to a PC running ProRAE Studio, this data is arranged with a sample number, time, date, gas concentration, and other related information.

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Auto/Manual/Snapshot Datalogging

The instrument has three datalog types:

- Auto** Default mode. Collects datalog information when the instrument is sampling.
- Manual** Datalogging occurs only when the instrument's datalogging is manually started (see page 63 for details).
- Snapshot** Datalogs only during snapshot (single-event capture, initiated by pressing [MODE]) sampling. See page 65 for details.

Note: You can only choose one datalog type to be active at a time.

Accessories

The following accessories are included with the instrument:

- An AC Adapter (Battery Charger)
- Alkaline battery adapter
- External Filter
- Organic Vapor Zeroing kit

Hard-case kits also include these accessories:

- Calibration adapter
- Calibration regulator and Flow controller

Standard Kit & Accessories

AC Adapter (Battery Charger)

WARNING

To reduce the risk of ignition of hazardous atmospheres, recharge battery only in area known to be non-hazardous. Remove and replace battery only in area known to be non-hazardous.

Ne charger les batteries que dans emplacements designés non-dangereuses.

A battery charging circuit is built into the instrument cradle. It only needs a regular AC to 12 VDC adapter (wall-mount transformer, part number 500-0114-000) to charge the instrument.

To charge the battery inside the instrument:

1. Power off the instrument.
2. Connect the AC adapter to the DC jack on the instrument's cradle. If the instrument is off, it automatically turns on.
3. While charging, the display message shows "Charging." The Primary LED on the cradle flashes green when charging.
4. When the battery is fully charged, the LED changes to glowing green continuously, and the message "Fully charged" appears on the

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display. If there is a charging error, the LED glows red continuously.

A completely discharged instrument can be charged to full capacity within 8 hours. Batteries drain slowly even if an instrument is off. Therefore, if the instrument has been in storage or has not been charged for several days or longer, check the charge before using it.

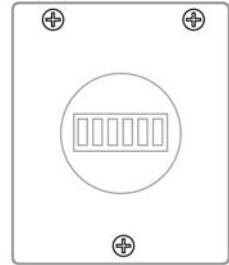
The factory-supplied battery is designed to last for 16 hours of normal operation (no alarm), for a new battery under the optimum circumstances. As the battery becomes older or is subject to adverse conditions (such as cold ambient temperature), its capacity will be significantly reduced.

Alkaline Battery Adapter

An alkaline battery adapter is supplied with each instrument. The adapter (part number 059-3052-000) accepts four AA alkaline batteries (use only Duracell MN1500) and provides approximately 12 hours of operation. The adapter is intended to be used in emergency situations when there is no time to charge the Li-ion battery pack.

To insert batteries into the adapter:

1. Remove the three Philips-head screws to open the compartment in the adapter.
2. Insert four fresh AA batteries as indicated by the polarity (+/-) markings.
3. Replace the cover. Replace the three screws.



To install the adapter in the instrument:

1. Remove the Li-ion battery pack from the instrument by sliding the tab and tilting out the battery.
2. Replace it with the alkaline battery adapter
3. Slide the tab back into place to secure the battery adapter.

IMPORTANT!

Alkaline batteries cannot be recharged. The instrument's internal circuit detects alkaline batteries and will not allow recharging. If you place the instrument in its cradle, the alkaline battery will not be recharged. The

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internal charging circuit is designed to prevent damage to alkaline batteries and the charging circuit when alkaline batteries are installed inside the instrument. If you try to charge an alkaline batteries installed in the instrument, the instrument's display will say, "Alkaline Battery," indicating that it will not charge the alkaline batteries.

Note: When replacing alkaline batteries, dispose of old ones properly.

WARNING!

To reduce the risk of ignition of hazardous atmospheres, recharge the battery only in areas known to be non-hazardous. Remove and replace the battery only in areas known to be non-hazardous.

External Filter

The external filter is made of PTFE (Teflon[®]) membrane with a 0.45 micron pore size to prevent dust or other particles from being sucked into the sensor manifold, which would cause extensive damage to the instrument. It prolongs the operating life of the sensor. To install the external filter, simply connect it to the instrument's inlet tube.

Optional Accessories

Calibration Adapter

The calibration adapter for the instrument is a simple 6-inch Tygon tubing with a metal adapter on one end. During calibration, simply insert the metal adapter into the regular gas inlet probe of the instrument and the tubing to the gas regulator on the gas bottle.

Calibration Regulator

The Calibration Regulator is used in the calibration process. It regulates the gas flow rate from the Span gas cylinder into the gas inlet of the instrument during calibration process. The maximum flow rate allowed by the flow controller is about 0.5L/min (500 cc per min.).

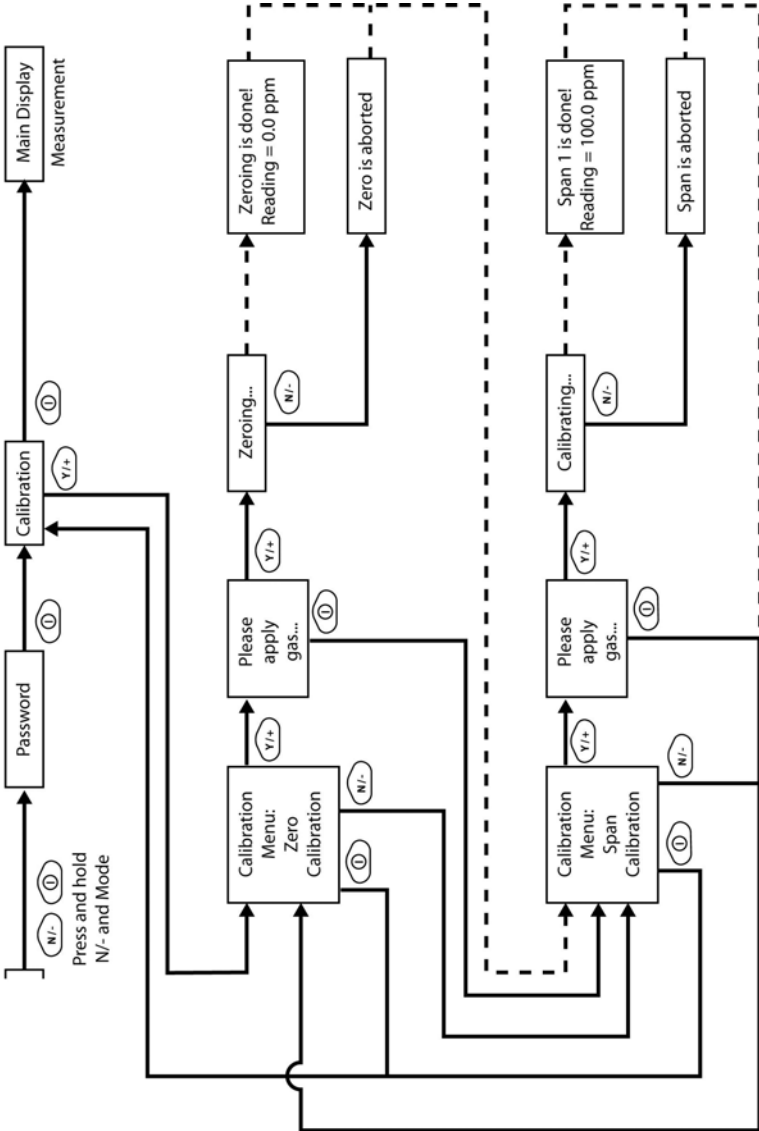
Alternatively, a demand-flow regulator or a Tedlar gas bag may be used to match the pump flow precisely.

Organic Vapor Zeroing Kit

The Organic Vapor Zeroing Kit is used for filtering organic air contaminants that may affect the zero calibration reading. To use the Organic Vapor Zeroing Kit, simply connect the filter to the inlet port of the instrument.

Standard Two-Point Calibration (Zero & Span)

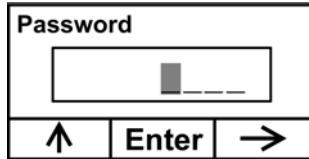
The following diagram shows the instrument's calibrations in Basic/Hygiene mode.



Note: Dashed line indicates automatic progression.

Entering Calibration

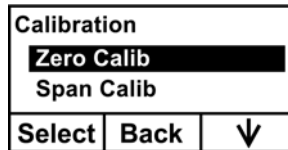
1. Press and hold [MODE] and [N/-] until you see the Password screen.



2. In Basic User Level, you do not need a password to perform calibrations. Instead of inputting a password, enter calibration by pressing [MODE].

Note: If you inadvertently press [Y/+] and change any of the numbers, simply press [MODE] and you will be directed to the calibration menu.

The Calibration screen is now visible with Zero Calibration highlighted.



These are your options:

- Press [Y/+] to select the highlighted calibration (Zero Calib or Span Calib).
- Press [MODE] to exit calibration and return to the main display and resume measurement.
- Press [N/-] to toggle the highlighted calibration type.

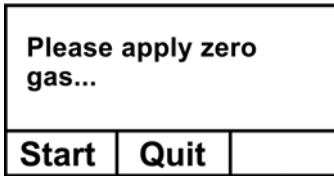
Zero (Fresh Air) Calibration

This procedure determines the zero point of the sensor calibration curve. To perform a fresh air calibration, use the calibration adapter to connect the instrument to a “fresh” air source such as from a cylinder or Tedlar bag (optional accessory). The “fresh” air is clean, dry air without organic impurities and an oxygen value of 20.9%. If such an air cylinder is not available, any clean ambient air without detectable contaminants or a charcoal filter can be used.

At the Zero Calibration menu, you can proceed to perform a Zero calibration or bypass Zero calibration and perform a Span calibration. You may also go back to the initial Calibration menu if you want to exit calibration.

- Press [Y/+] to start calibration.
- Press [MODE] to quit and return to the main calibration display.

If you have pressed [Y/+] to enter Zero calibration, then you will see this message:



1. Turn on your Zero calibration gas.
2. Press [Y/+] to start calibration.

Note: At this point, you may press [MODE] if you decide that you do not want to initiate calibration. This will take you directly to the Calibration menu, highlighted for Span calibration.

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3. Zero calibration starts a 30-second countdown and displays this message:

Zeroing...

During the zeroing process, the instrument performs the Zero calibration automatically and does not require any action on your part.

Note: To abort the zeroing process at any time and proceed to Span calibration, press [N/-] at any time while zeroing is being performed. You will see a confirmation message that says "Zero aborted!" and then the Span calibration menu appears.

When Zero calibration is complete, you see this message:

Zeroing is done!
Reading = 0.0 ppm

The instrument will then show the Calibration menu on its display, with Span Calib highlighted.

Span Calibration

This procedure determines the second point of the sensor calibration curve for the sensor. A cylinder of standard reference gas (span gas) fitted with a 500 cc/min. flow-limiting regulator or a flow-matching regulator is the simplest way to perform this procedure. Choose the 500 cc/min. regulator only if the flow rate matches or slightly exceeds the flow rate of the instrument pump. Alternatively, the span gas can first be filled into a Tedlar bag or delivered through a demand-flow regulator. Connect the calibration adapter to the inlet port of the instrument, and connect the tubing to the regulator or Tedlar bag.

Another alternative is to use a regulator with >500 cc/min flow but allow the excess flow to escape through a T or an open tube. In the latter method, the span gas flows out through an open tube slightly wider than the probe, and the probe is inserted into the calibration tube.

At the Span Calibration menu, you perform a Span calibration. You may also go back to the Zero calibration menu or to the initial Calibration menu if you want to exit calibration.

- Press [Y/+] to enter Span calibration.
- Press [N/-] to skip Span calibration and return to Zero calibration.
- Press [MODE] to exit Span calibration and return to the top calibration menu.

If you have pressed [Y/+] to enter Span calibration, then you will see the name of your Span gas (the default is isobutylene) and the span value in parts per million (ppm). You will also see this message that prompts you:

C. Gas = Isobutene		
Span = 100 ppm		
Please apply gas 1...		
Start	Quit	

1. Turn on your span calibration gas.
2. Press [Y/+] to initiate calibration.

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Note: You may press [MODE] if you decide that you do not want to initiate calibration. This will abort the span calibration and take you directly to the Calibration menu for Zero calibration.

3. Span calibration starts and displays this message:

Calibrating...

During the Span calibration process, there is a 30-second countdown and the instrument performs the Span calibration automatically. It requires no actions on your part.

Note: If you want to abort the Span calibration process, press [N/-] at any time during the process. You will see a confirmation message that says "Span is aborted!" and then the Zero calibration menu appears. You can then proceed to perform a Zero calibration, perform a Span calibration, or exit to the topmost Calibration menu.

When Span calibration is complete, you see a message similar to this (the value is an example only):

Span 1 is done!
Reading = 100.0 ppm

The instrument then exits Span calibration and shows the Zero calibration menu on its display.

Note: The reading should be very close to the span gas value.

Exiting Two-Point Calibration In Basic User Level

When you are done performing calibrations, press [MODE], which corresponds with “Back” on the display. You will see the following message:

Updating settings...

The instrument updates its settings and then returns to the main display. It begins or resumes monitoring.

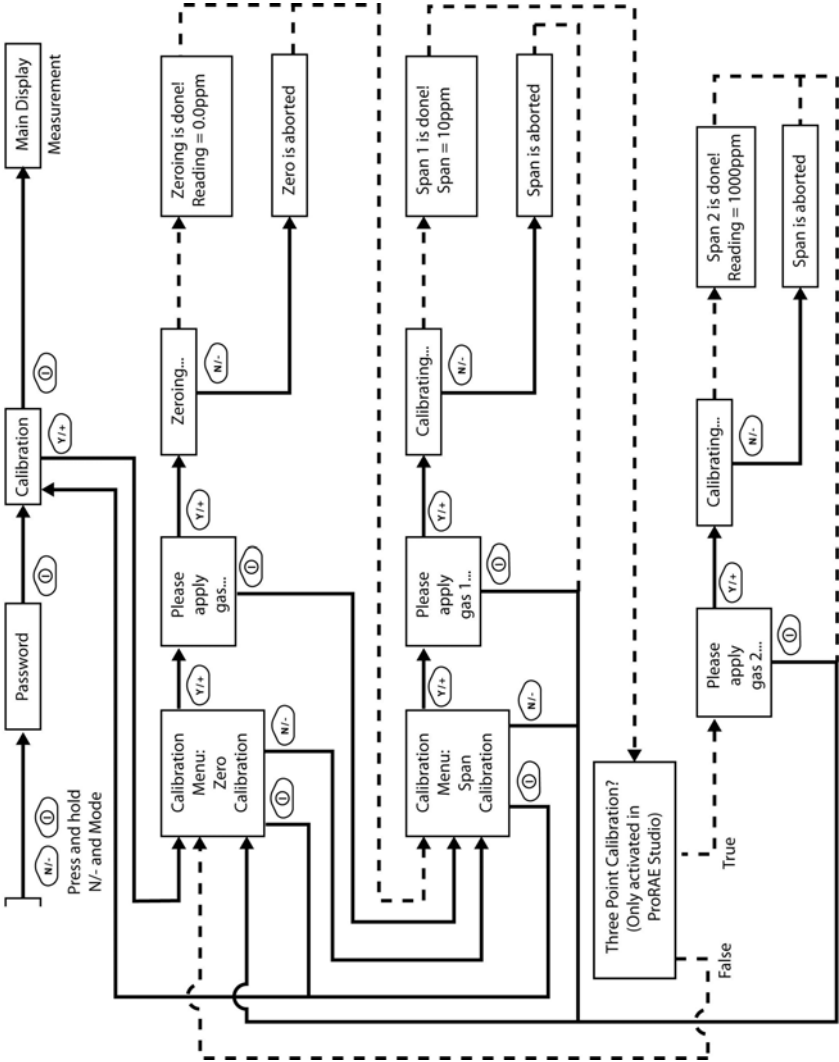
Three-Point Calibration

For enhanced accuracy, it is possible to perform a second Span calibration in addition to the Zero and Span calibrations outlined in the previous section. Your instrument first must be set to allow this third calibration. This requires using ProRAE Studio software and a PC, as well as a higher concentration of calibration gas.

Note: Once the third calibration is set, you do not need to use ProRAE Studio to allow future 3-point calibrations. Also, you can only disable 3-point calibration capability by using ProRAE Studio again.

Perform the Zero and Span calibrations. After the first Span calibration (Span 1) is completed, the display a second Span calibration (Span 2) can be performed. The process is identical to the first calibration. As in the Span 1 calibration, you may exit and return to the Zero calibration screen if you choose not to perform this calibration or to abort it.

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Note: Dashed line indicates automatic progression.

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Span 2 Calibration

A cylinder of standard reference gas (span gas) fitted with a 500 cc/min. flow-limiting regulator or a flow-matching regulator is the simplest way to perform this procedure.

Note: This gas should be of a higher concentration than the gas used for Span 1 calibration.

Choose the 500 cc/min. regulator only if the flow rate matches or slightly exceeds the flow rate of the instrument pump. Alternatively, the span gas can first be filled into a Tedlar bag or delivered through a demand-flow regulator. Connect the calibration adapter to the inlet port of the instrument, and connect the tubing to the regulator or Tedlar bag.

Another alternative is to use a regulator with >500 cc/min flow but allow the excess flow to escape through a T or an open tube. In the latter method, the span gas flows out through an open tube slightly wider than the probe, and the probe is inserted into the calibration tube.

At the Span Calibration menu, you perform a Span calibration. You may also go back to the Zero calibration menu or to the initial Calibration menu if you want to exit calibration.

- Press [Y/+] to enter Span 2 calibration.
- Press [N/-] to skip Span calibration and return to Zero calibration.
- Press [MODE] to exit Span calibration and return to the top calibration menu.

If you have pressed [Y/+] to enter Span calibration, then you will see the name of your Span gas (the default is isobutylene) and the span value in parts per million (ppm). You will also see this message that prompts you:

Please apply gas...

4. Turn on your span calibration gas.
5. Press [Y/+] to initiate calibration.

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Note: You may press [MODE] if you decide that you do not want to initiate calibration. This will take you directly to the Calibration menu for Zero calibration.

6. Span calibration starts a 30-second countdown and displays this message:

Calibrating...

During the Span calibration process, the instrument performs the Span calibration automatically and does not require any action on your part.

Note: If you want to abort the Span calibration process, press [N/-] at any time during the process. You will see a confirmation message that says "Span is aborted!" and then the Zero calibration menu will appear. You can then proceed to perform a Zero calibration, perform a Span calibration, or exit to the topmost Calibration menu.

When Span calibration is complete, you will see a message similar to this (the value shown here is for example only):

Span 2 is done!
Reading = 1000 ppm

The instrument then exits Span calibration and shows the Zero calibration menu on its display.

Note: The reading should be very close to the span gas value.

Exiting Three-Point Calibration

When you are done performing calibrations, press [MODE], which corresponds with “Back” on the display. You will see the following message:

Updating settings...

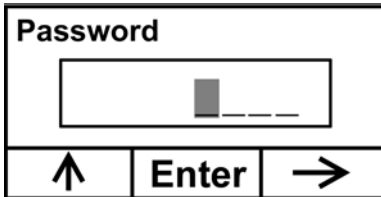
The instrument updates its settings and then returns to the main display. It begins or resumes monitoring.

Programming Mode

Programming Mode can be entered from either Hygiene Mode or Search Mode. If the current user mode is Basic, you must provide a 4-digit password to enter.

Entering Programming Mode

1. Press and hold [MODE] and [N/-] until you see the Password screen.



2. Input the 4-digit password:

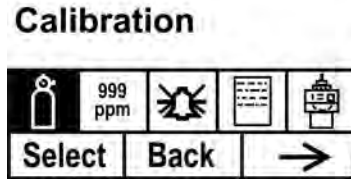
- Increase the number from 0 through 9 by pressing [Y/+].
- Step from digit to digit using [N/-].
- Press [MODE] when you are done.

If you make a mistake, you can cycle through the digits by pressing [N/-] and then using [Y/+] to change the number in each position.

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Note: The default password is 0000.

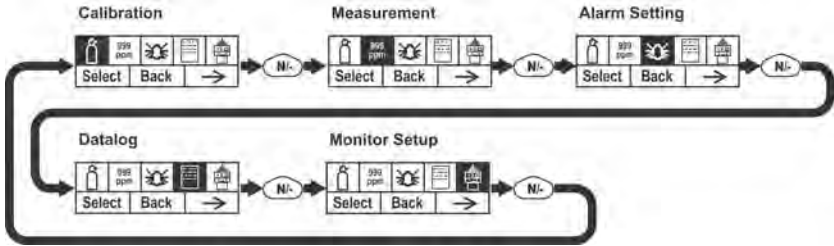
When you have successfully entered Programming Mode, you see this screen:



Note: The password can only be changed by connecting the instrument to a PC running ProRAE Studio software. Follow the instructions in ProRAE Studio to change it.

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The Calibration label is shown and its icon is highlighted, but you can press [N/-] to step from one programming menu to the next, with the name of the menu shown at the top of the display and the corresponding icon highlighted. As you repeatedly press [N/-], the selection moves from left to right, and you see these screens:








Note: When you reach Monitor Setup and press [N/-], the menu cycles back to Calibration.

Programming Mode Menus

The Programming Mode allows anyone with the password to change the instrument's settings, calibrate the instrument, modify the sensor configuration, enter user information, etc. Programming Mode has five menus. Each menu includes several sub-menus to perform additional programming functions.

This table shows the menus and sub-menus:

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Calibration	Measurement	Alarm Setting	Datalog	Monitor Setup
Zero Calibration	Meas. Gas	High Alarm	Clear Datalog	Op Mode
Span Calibration	Meas. Unit	Low Alarm	Interval	Site ID
		STEL Alarm	Data Selection	User ID
		TWA Alarm	Datalog Type	User Mode
		Alarm Type		Date
		Buzzer & Light		Time
				Pump Duty Cycle
				Pump Speed
				Temperature Unit
				Language
				Radio Power
				Real Time Protocol
				Power On Zero
				Unit ID
				LCD Contrast

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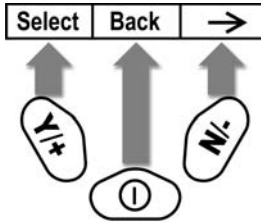
Once you enter Programming Mode, the LCD displays the first menu, Calibration. Each subsequent menu is accessed by pressing [N/-] repeatedly until the desired menu is displayed. To enter a sub-menu of a menu, press [Y/+].

Exiting Programming Mode

To exit Programming Mode and return to normal operation, press [MODE] once at any of the programming menu displays. You will see “Updating Settings...” as changes are registered and the mode changes.

Navigating Programming Mode Menus

Navigating through the Programming Mode menus is easy and consistent, using a single interface format of “Select,” “Back” and “Next” at the top level. The three control buttons correspond to these choices as shown:



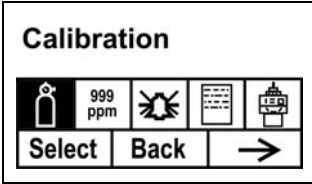
Note: Pressing [MODE] in the Programming Mode's top level causes the instrument to exit Programming Mode and return to monitoring.

The three keys perform the following functions in Programming Mode:

Key	Function in Programming Mode
[MODE]:	Exit menu when pressed momentarily or exit data entry mode
[Y/+]:	Increase alphanumerical value for data entry or confirm (yes) for a question
[N/-]:	Provides a “no” response to a question

Calibration

Two types of calibration are available: Zero (fresh air) and Span.



Select Zero or Span Calibration by pressing [N/+]. Once your choice is highlighted, press [Y/+].

Zero Calibration

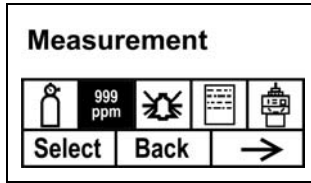
The procedure for performing a zero calibration is covered on page 35.

Span Calibration

The procedure for performing a basic span calibration is covered on page 35.

Measurement

The sub-menus for Measurement are Measurement Gas and Measurement Unit.



Meas. Gas

Measurement gases are organized in four lists:

- My List is a customized list of gases that you create. It contains a maximum of 10 gases and can only be built in ProRAE Studio on a PC and transferred to the instrument. **Note:** The first gas in the list is always isobutylene (it cannot be removed from the list).
 - Last Ten is a list of the last ten gases used by your instrument. The list is built automatically and is only updated if the gas selected from Custom Gases or Library is not already in the Last Ten. This ensures that there is no repetition.
 - Gas Library is a library that consists of all the gases found in RAE Systems' Technical Note TN-106 (available online at www.raesystems.com).
 - Custom Gases are gases with user-modified parameters. Using ProRAE Studio, all parameters defining a gas can be modified, including the name, span value(s), correction factor, and default alarm limits.
1. Scroll through each list by pressing [N/-].
 2. Press [Y/+] to select one (My List, Last Ten, Gas Library, or Custom Gases).

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3. Once you are in one of the categories, press [N/-] to scroll through its list of options and [Y/+] to select one. (If you press [MODE], you exit to the next submenu.)
4. Press [Y/+] to save your choice or [N/-] to undo your selection.

Leave the sub-menu and return to the Programming Mode menus by pressing [MODE].

Meas. Unit

Standard available measurement units include:

Abbreviation	Unit	MiniRAE 3000
ppm	parts per million	Yes
ppb	parts per billion	
mg/m ³	milligrams per cubic meter	Yes
ug/m ³	micrograms per cubic meter	

- Scroll through the list by pressing [N/-].
- Select by pressing [Y/+].
- Save your selection by pressing [Y/+] or undo your selection by pressing [N/-].

Leave the sub-menu and return to the Programming Mode menus by pressing [MODE].

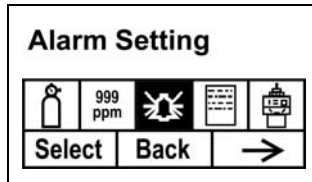
Alarm Setting

During each measurement period, the gas concentration is compared with the programmed alarm limits (gas concentration alarm limit settings: Low, High, TWA and STEL). If the concentration exceeds any of the preset limits, the loud buzzer and red flashing LED are activated immediately to warn of the alarm condition.

An alarm signal summary is shown on page 27.

In this menu, you can change the High and Low alarm limits, the STEL limit, and the TWA. Press [Y/+] to enter the Alarm Setting menu.

Note: All settings are shown in ppb (parts per billion), or $\mu\text{g}/\text{m}^3$ (micrograms per cubic meter), depending on your setting.



1. Scroll through the Alarm Limit sub-menu using the [N/-] key until the display shows the desired limit to be changed (High Alarm, Low Alarm, STEL Alarm, and TWA Alarm)
 2. Press [Y/+] to select one of the alarm types. The display shows a flashing cursor on the left-most digit of the previously stored alarm limit.
 3. Press [Y/+] to increase each digit's value.
 4. Press [N/-] to advance to the next digit.
 5. Again, use [Y/+] to increase the number.
- Repeat this process until all numbers are entered.

Press [MODE] when you are done.

- Press [Y/+] to save the changes.
 - Press [N/-] to undo the changes and revert to the previous settings.
- When all alarm types have been changed or bypassed, press [MODE] to exit to the Programming Menu.

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High Alarm

You can change the High Alarm limit value. The value is typically set by the instrument to match the value for the current calibration gas. It is expressed in parts per billion (ppb). **Note:** The default value depends on the measurement gas.

To change the High Alarm value:

1. Press [Y/+] to increase each digit's value.
2. Press [N/-] to advance to the next digit.
3. Again, use [Y/+] to increase the number.

Repeat this process until all numbers are entered.

When you have completed your selections, press [MODE]. You will see two choices: Save and Undo. You have the opportunity to register the new settings or to change your mind and revert to your previous settings.

Press [Y/+] to save the changes.

Press [N/-] to undo the changes and revert to the previous settings.

Low Alarm

You can change the Low Alarm limit value. The value is typically set by the instrument to match the value for the current calibration gas. It is expressed in parts per billion (ppb). **Note:** The default value depends on the measurement gas.

To change the Low Alarm value:

1. Press [Y/+] to increase each digit's value.
2. Press [N/-] to advance to the next digit.
3. Again, use [Y/+] to increase the number.

Repeat this process until all numbers are entered.

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When you have completed your selections, press [MODE]. You will see two choices: Save and Undo. You have the opportunity to register the new settings or to change your mind and revert to your previous settings.

- Press [Y/+] to save the changes.
- Press [N/-] to undo the changes and revert to the previous settings.

STEL Alarm

You can change the STEL Alarm limit value. The value is typically set by the instrument to match the value for the calibration gas. It is expressed in parts per billion (ppb). **Note:** The default value depends on the measurement gas.

To change the STEL Alarm value:

1. Press [Y/+] to increase each digit's value.
2. Press [N/-] to advance to the next digit.
3. Again, use [Y/+] to increase the number.

Repeat this process until all numbers are entered.

When you have completed your selections, press [MODE]. You will see two choices: Save and Undo. You have the opportunity to register the new settings or to change your mind and revert to your previous settings.

- Press [Y/+] to save the changes.
- Press [N/-] to undo the changes and revert to the previous settings.

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TWA Alarm

You can change the TWA (time-weighted average) Alarm limit value. The value is typically set by the instrument to match the value for the calibration gas. It is expressed in parts per billion (ppb). **Note:** The default value depends on the measurement gas.

To change the TWA Alarm value:

1. Press [Y/+] to increase each digit's value.
2. Press [N/-] to advance to the next digit.
3. Again, use [Y/+] to increase the number.

Repeat this process until all numbers are entered.

When you have completed your selections, press [MODE]. You will see two choices:

- Save
- Undo

You have the opportunity to register the new settings or to change your mind and revert to your previous settings.

- Press [Y/+] to save the changes.
- Press [N/-] to undo the changes and revert to the previous settings.

Alarm Type

There are two selectable alarm types:

Latched

When the alarm is triggered, you can manually stop the alarm.

The latched setting only controls alarms for High Alarm, Low Alarm, STEL Alarm, and TWA alarm.

Note: To clear an alarm when the instrument is set to “Latched,” press [Y/+] when the main (Reading) display is shown.

Automatic Reset

When the alarm condition is no longer present, the alarm stops and resets itself.

1. Press [N/-] to step from one alarm type to the other.
2. Press [Y/+] to select an alarm type.

When you have completed your selections, press [MODE].

You will see two choices: Save and Undo. You have the opportunity to register the new settings or to change your mind and revert to your previous settings.

- Press [Y/+] to save the changes.
- Press [N/-] to undo the changes and revert to the previous settings.

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Buzzer & Light

The buzzer and light alarms can be programmed to be on or off individually or in combination. Your choices are:

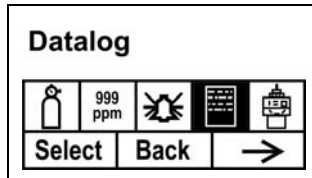
- Both on
 - Light only
 - Buzzer only
 - Both off
1. Press [N/-] to step from one option to the next.
 2. Press [Y/+] to make your selection (the dark circle in the “radio button” indicates your selection).
 3. When you have completed your selections, press [MODE].

You will see two choices: Save and Undo. You have the opportunity to register the new settings or to change your mind and revert to your previous settings.

- Press [Y/+] to save the changes.
- Press [N/-] to undo the changes and revert to the previous settings.

Datalog

The instrument calculates and stores the concentration and ID of each sample taken. In the datalog sub-menu, a user can perform the tasks and functions shown below.



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1. Scroll through the Datalog sub-menu using the [N/-] key until the display shows the desired parameter to be changed:

Clear Datalog

Interval

Data Selection

Datalog Type

2. Press [Y/+] to make your selection. Exit by pressing [MODE] for Back.

Clear Datalog

This erases all the data stored in the datalog.

Note: Once the datalog is cleared, the data cannot be recovered.

Press [Y/+] to clear the datalog. The display asks, "Are you sure?"

- Press [Y/+] if you want to clear the datalog. When it has been cleared, the display shows "Datalog Cleared!"
- Press [N/-] if you do not want to clear the datalog.

The display changes, and you are taken to the next sub-menu, Interval.

Interval

Intervals are shown in seconds. The default value is 60 seconds. The maximum interval is 3600 seconds.

1. Press [Y/+] to increase each digit's value.
2. Press [N/-] to advance to the next digit.
3. Again, use [Y/+] to increase the number.

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Repeat this process until all numbers are entered.

When you have completed your selections, press [MODE].

You will see two choices: Save and Undo. You have the opportunity to register the new settings or to change your mind and revert to your previous settings.

- Press [Y/+] to save the changes.
- Press [N/-] to undo the changes and revert to the previous settings.

Data Selection

Data Selection allows you to select which types of data are stored and made available when you offload your datalog to a computer via ProRAE Studio software.

You can choose any or all of three types of data (you must choose at least one):

- Average
 - Maximum
 - Minimum
1. Press [N/-] to step from one option to the next. The highlighter indicates your choice.
 2. Press [Y/+] to toggle your selection on or off (the check box indicates “on” with an “X”).
 3. When you have completed your selections, press [MODE].

You will see two choices: Save and Undo. You have the opportunity to register the new settings or to change your mind and revert to your previous settings.

- Press [Y/+] to save the changes.
- Press [N/-] to undo the changes and revert to the previous settings.

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Datalog Type

The instrument has three datalog types:

- Auto** Default mode. Collects datalog information when the instrument is sampling.
- Manual** Datalogging occurs only when the instrument's datalogging is manually started (see below for details).
- Snapshot** Datalogs only during single-event capture sampling.
- Note:** You can only choose one datalog type to be active at a time.

1. Press [N/-] to step from one option to the next.
2. Press [Y/+] to make your selection (the dark circle in the "radio button" indicates "on").
3. When you have completed your selection, press [MODE].

You will see two choices: Save and Undo. You have the opportunity to register the new settings or to change your mind and revert to your previous settings.

- Press [Y/+] to save the changes.

Press [N/-] to undo the changes and revert to the previous settings.

Manual Datalog

When the instrument is set to Manual Datalog, you turn datalogging on and off by stepping through the displays from the Main Display, and then pressing the keys to select datalog on/off functions.

- When you reach the screen that says "Start Datalog?" press [Y/+] to start it. You see "Datalog Started," confirming that datalogging is now on.

When you reach the screen that says "Stop Datalog?" press [Y/+] to stop it. You see "Datalog Stopped," confirming that datalogging is now off.

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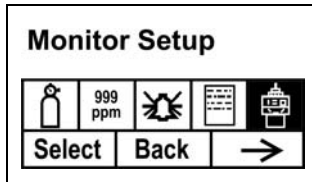
Snapshot Datalog

When the instrument is in Snapshot datalogging mode, it captures a single “snapshot” of the data at the moment of your choosing. Whenever the instrument is on and it is set to Snapshot, all you have to do is press [MODE] each time you want to capture a snapshot of the data at that instant.

When you send the data to a computer using ProRAE Studio, the data snapshots are uniquely identified by time and other parameters.

Monitor Setup

Many settings can be accessed in this menu, including setting the date and time and adjusting the pump's on/off duty cycle.



Op Mode

Under Monitor Setup is “Op Mode.”

Press [Y/+] to select.

You see two options (one is highlighted):

Hygiene
Search

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The current mode is indicated by a dark circle within the circle in front of either Hygiene or Search.

1. Select Hygiene or Search by pressing [N/-]. The highlighting changes from one to the other each time you press [N/-].
2. Press [Y/+] to select that mode for the instrument.
3. Press [MODE] when you want to register your selection to place the instrument in the selected mode.
4. Press [Y/+] to commit the change and exit to the Monitor Setup screen, or press [N/-] to Undo (exit to the Monitor Setup screen without changing the Mode).

Site ID

Enter an 8-digit alphanumeric/character Site ID in the programming mode. This Site ID is included in the datalog report.

1. Press [Y/+] and the display shows the current site ID. Example: "RAE00001." Note that the left-most digit flashes to indicate it is the selected one.
2. Press [Y/+] to step through all 26 letters (A to Z) and 10 numerals (0 to 9).
Note: The last four digits must be numerals.
3. Press [N/-] to advance to the next digit. The next digit to the right flashes.

Repeat this process until all eight digits of the new site ID are entered.

Press [MODE] to exit.

If there is any change to the existing site ID, the display shows "Save?" Press [Y/+] to accept the new site ID. Press [N/-] to discard the change and move to the next sub-menu.

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User ID

Enter an 8-digit alphanumeric User ID in the programming mode. This User ID is included in the datalog report.

1. Press [Y/+] and the display shows the current User ID.
Example: "RAE00001." Note that the left-most digit flashes to indicate it is the selected one.
2. Press [Y/+] to step through all 26 letters (A to Z) and 10 numerals (0 to 9).
3. Press [N/-] to advance to the next digit. The next digit to the right flashes.

Repeat this process until all eight digits of the new User ID are entered.

Press [MODE] to exit.

If there is any change to the existing User ID, the display shows "Save"
Press [Y/+] to accept the new site ID. Press [N/-] to discard (undo) the change and move to the next sub-menu.

User Mode

The instrument has two user modes:

Basic Basic users can only see and use a basic set of functions.

Advanced Advanced users can see all screens and perform all available functions.

Note: The default value for User Mode is Basic.

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To change the User Mode:

1. Press [N/-] to step from one option to the next. The highlighting changes each time you press [N/-].
2. Press [Y/+] to make your selection (the dark circle in the “radio button” indicates “on”).
3. When you have completed your selection, press [MODE].
4. Press [Y/+] to accept the new User Mode. Press [N/-] to discard the change and move to the next sub-menu.

Date

The Date is expressed as Month/Day/Year, with two digits for each.

1. Press [Y/+] and the display shows the current date. Note that the left-most digit flashes to indicate it is selected.
2. Press [Y/+] to step through all 10 numerals (0 to 9).
3. Press [N/-] to advance to the next digit. The next digit to the right flashes.

Repeat this process until all six digits of the new date are entered.

Press [MODE] to exit.

- Press [Y/+] to save the new date.
- Press [N/-] to undo the change and move to the next sub-menu.

Time

The Time is expressed as Hours/Minutes/Seconds, with two digits for each. The time is in 24-hour (military) format.

1. Press [Y/+] and the display shows the current time. Note that the left-most digit flashes to indicate it is selected.
2. Press [Y/+] to step through all 10 numerals (0 to 9).

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3. Press [N/-] to advance to the next digit. The next digit to the right flashes.

Repeat this process until all six digits of the new time are entered.

Press [MODE] to exit.

- Press [Y/+] to save the new date.
- Press [N/-] to undo the change and move to the next sub-menu.

Duty Cycle

The pump's duty cycle is the ratio of its on time to off time. The duty cycle ranges from 50% to 100% (always on), and the period is 10 seconds. Therefore, a duty cycle of 60% means that the pump is on for 6 seconds and off for four seconds. Duty cycling is employed by the instrument to clean the PID. A lower duty cycle has a greater effect on keeping the PID clean than a higher duty cycle.

Important! Pump duty cycling is interrupted when the instrument senses a gas. The pump's duty cycle is disabled when the measurement is greater than the 2ppm threshold and is re-enabled when the reading falls below 90% of the threshold (1.8 ppm).

1. Press [Y/+] to increase the value.
2. When you have completed your selection, press [MODE].
 - Press [Y/+] to save the new duty cycle value.
 - Press [N/-] to undo the change and move to the next sub-menu.

Temperature Unit

The temperature display can be switched between Fahrenheit and Celsius units.

1. Press [N/-] to step from one option to the next.
2. Press [Y/+] to make your selection (the dark circle in the “radio button” indicates “on”).
3. When you have completed your selection, press [MODE].
 - Press [Y/+] to save the new temperature unit.
 - Press [N/-] to undo the change and move to the next sub-menu.

Pump Speed

The pump can operate at two speeds, high and low. Running at low speed is quieter and conserves a small amount of power. There is almost no difference in sampling accuracy.

1. Press [N/-] to step from one option to the next.
2. Press [Y/+] to make your selection (the dark circle in the “radio button” indicates “on”).
3. When you have completed your selection, press [MODE].
 - Press [Y/+] to save the new temperature unit.
 - Press [N/-] to undo the change and move to the next sub-menu.

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Language

English is the default language, but other languages can be selected for the instrument.

1. Press [N/-] to step from one option to the next.
2. Press [Y/+] to make your selection (the dark circle in the “radio button” indicates “on”).
3. When you have completed your selection, press [MODE].
 - Press [Y/+] to save your new language choice.
 - Press [N/-] to undo it and return to the previous language selection.

Radio Power

The radio connection can be turned on or off.

1. Press [N/-] to step from one option to the next (on or off).
2. Press [Y/+] to make your selection (the dark circle in the “radio button” indicates that the option is selected).
3. When you have completed your selection, press [MODE].
 - Press [Y/+] to accept the new radio setting (on or off).
 - Press [N/-] to discard the change and move to the next sub-menu.

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Real Time Protocol

Real Time Protocol is the setting for data transmission.

The choices are:

- | | |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| P2M (cable) | Point to multipoint. Data is transferred from the instrument to multiple locations using a wired connection. Default data rate: 19200 bps. |
| P2P (cable) | Point to point. Data is transferred only between the instrument and one other location, such as a computer. Default data rate: 9600 bps. |
| P2M (wireless) | Point to multipoint, wireless. Data is transferred wirelessly and can be received by multiple receivers. |

1. Press [N/-] to step from one option to the next.
2. Press [Y/+] to make your selection (the dark circle in the “radio button” indicates “on”).
3. When you have completed your selection, press [MODE].
 - Press [Y/+] to save the new real-time communications protocol.
 - Press [N/-] to undo the change and move to the next sub-menu.

Power On Zero

When Power On Zero is on, the instrument performs a zero calibration when it is turned on.

1. Press [N/-] to step from one option to the next.
2. Press [Y/+] to make your selection (the dark circle in the “radio button” indicates your selection).
3. When you have completed your selection, press [MODE].
 - Press [Y/+] to save the change.
 - Press [N/-] to discard the change and move to the next sub-menu.

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Unit ID

This three-digit number keeps data separated by instrument when more than one instrument is used in a network. If multiple sensing units are attempting to communicate with the same Host, then the units must all have a different Unit ID.

1. Press [Y/+] to step through all 10 numerals (0 to 9). If you pass the numeral you want, keep pressing [Y/+]. After it counts up to 9, it starts counting up from 0 again.
2. Press [N/-] to advance to the next digit. The next digit to the right flashes.

Repeat this process until all three digits of the Unit ID are entered.

3. Press [MODE] when you are done.
 - Press [Y/+] to save the change.
 - Press [N/-] to discard the change and move to the next sub-menu.

LCD Contrast

The display's contrast can be increased or decreased from its default setting. You may not need to ever change the default setting, but sometimes you can optimize the display to suit extreme temperature and ambient brightness/darkness conditions.

- The minimum value is 20.
 - The maximum value is 60.
1. Press [Y/+] to increase the value or [N/-] to decrease the value.
 2. Press [MODE] to save your selection.
 - Press [Y/+] to save your new contrast value.
 - Press [N/-] to undo it and return to the previous value.

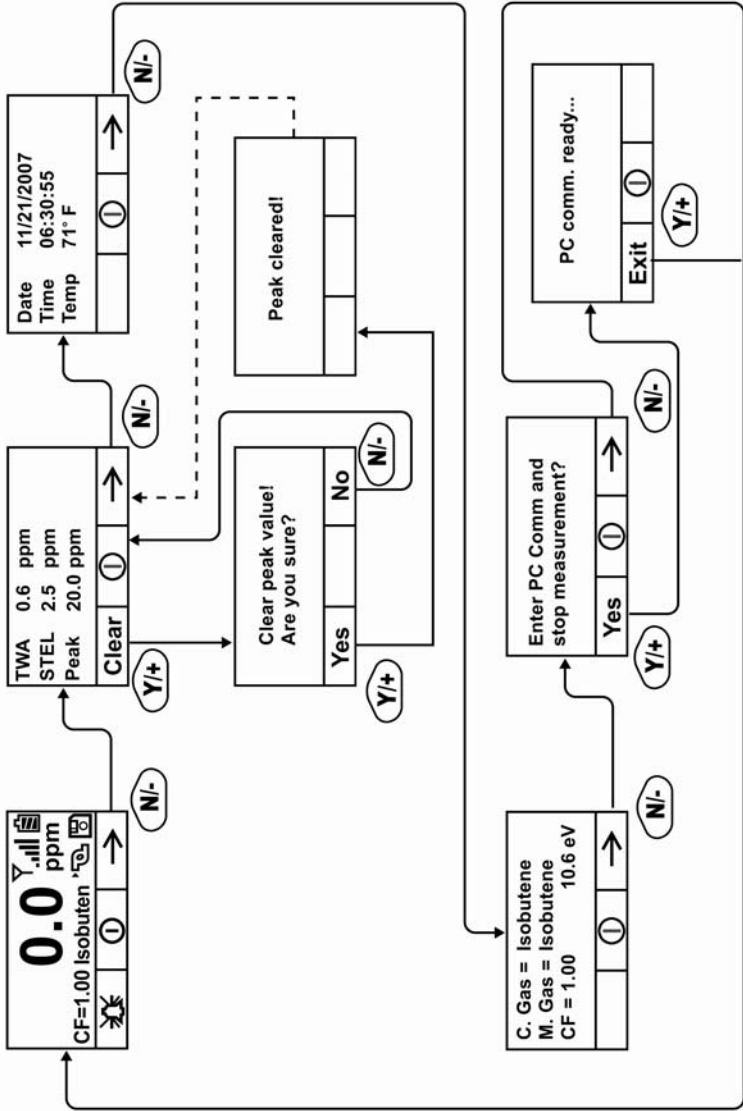
Hygiene Mode

The instrument usually operates in Hygiene Mode, which provides basic functionality. However, it is possible to operate it in a second mode called Search Mode. Here are the primary differences:

- Hygiene Mode:** Automatic measurements, continuously running and datalogging, and calculates additional exposure values.
- Search Mode:** Manual start/stop of measurements and display of certain exposure values.

Basic User Level & Hygiene Mode

The default setting is navigated in the following way:



Note: Dashed line indicates automatic progression.

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Pressing [N/-] steps you from screen to screen. Options include clearing the Peak value and turning on the instrument's PC Communications for data transfer to a PC.

Entering Search Mode From Hygiene Mode

In order to change the instrument's operational mode from Hygiene Mode to Search Mode, you must enter the password-protected Programming Mode:

1. Hold [MODE] and [N/-] until you see the password screen.
2. Use [Y/+] to increment to the number you want for the first digit. (If you pass by the desired number, press [Y/+] until it cycles through to 0 again. Then press [Y/+] until you reach the desired number.)
3. Press [N/-] to advance to the next digit.
4. Again press [Y/+] to increment the number.
5. Press [N/-] to advance to the next digit.

Continue the process until all four numbers of the password have been input. Then press [MODE] to proceed.

The screen changes to icons with the label "Calibration."

1. Press [N/-] to advance to "Monitor Setup."
2. Press [Y/+] to select Monitor Setup.

Under Monitor Setup, you will see "Op Mode."

Press [Y/+] to select.

You will see:

Hygiene
Search

The current mode is indicated by a dark circle within the circle in front of either Hygiene or Search.

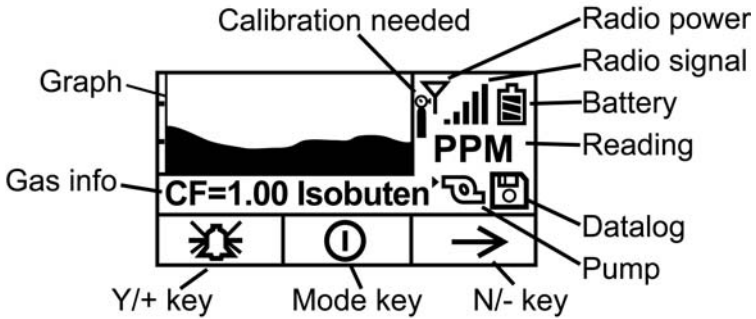
1. Select Hygiene or Search by pressing [N/-].
2. Press [Y/+] to place the instrument into the selected mode.

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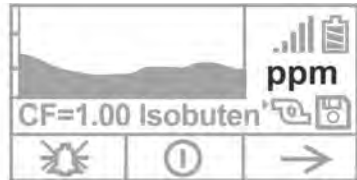
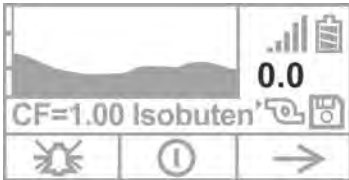
3. Press [MODE] when you want to register your selection to place the instrument in the selected mode.
4. Press [Y/+] to commit the change and exit to the Monitor Setup screen, or press [N/-] to Undo (exit to the Monitor Setup screen without changing the Mode).

Optional Graphic Screen In Search Mode

Using ProRAE Studio, you can set your instrument to show a graphic display instead of a numeric display of ongoing data. Consult your ProRAE Studio disc for information.



During sampling, the display's readings are shown numerically, plus the graph tracks the highest readings over time. The numeric reading alternates between the value and the measurement units, as well:



Advanced User Level (Hygiene Mode Or Search Mode)

The User Mode called Advanced User Level allows a greater number of parameters to be changed than Basic User Level. It can be used with either of the Operation Modes, Hygiene Mode or Search Mode.

Advanced User Level & Hygiene Mode

With the instrument in Operation Mode: Hygiene Mode, enter User Mode: Advanced User Level (refer to the section called Monitor Mode for instructions).

Once you are in Advanced User Level and Hygiene Mode together, you can change the calibration reference and measurement gas, in addition to performing normal monitoring functions.

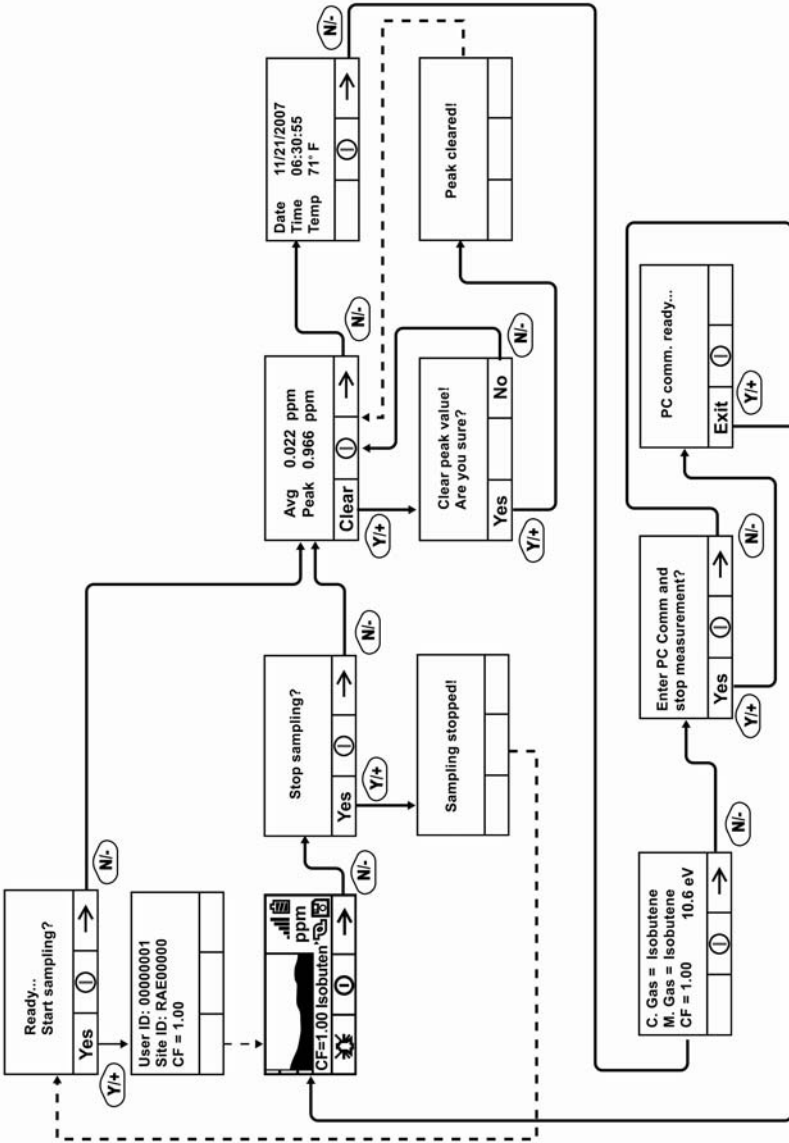
Pressing [N/-] progresses through the screens, while pressing [Y/+] selects options. Pressing [MODE] makes menu choices when it is shown for "Done" or "Back." Pressing and holding [Mode] whenever the circle with a vertical line in the middle is shown activates the countdown to shutoff.

Basic User Level & Search Mode

With the instrument in Operation Mode: Search Mode, enter User Mode and select Basic User Level (refer to the section called User Mode for instructions).

When the instrument is in Search Mode, it only samples when you activate sampling. When you see the display that says, "Ready...Start sampling?" press [Y/+] to start. The pump turns on and the instrument begins collecting data. To stop sampling, press [N/-] while the main display is showing. You will see a new screen that says, "Stop sampling?" Press [Y/+] to stop sampling. Press [N/-] if you want sampling to continue.

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Note: Dashed line indicates automatic progression.

Diagnostic Mode

IMPORTANT! Diagnostic Mode is designed for servicing and manufacturing, and therefore is not intended for everyday use, even by advanced users. It provides raw data from sensors and about settings, but only allows adjustment of pump stall parameters, which should only be changed by qualified personnel.

Note: If the instrument is turned on in Diagnostic Mode and you switch to User Mode, datalog data remains in raw count form. To change to standard readings, you must restart the instrument.

Entering Diagnostic Mode

Note: To enter Diagnostic Mode, you must begin with the instrument turned off.

Press and hold [Y/+] and [MODE] until the instrument starts.

The instrument goes through a brief startup, and then displays raw data for the PID sensor. These numbers are raw sensor readings without calibration. The instrument is now in Diagnostic Mode.

Note: In Diagnostic Mode, the pump and lamp are normally on.

You can enter Programming Mode and calibrate the instrument as usual by pressing both [MODE] and [N/-] for three seconds.

You can enter Monitoring Mode by pressing [MODE] and [Y/+] together for three seconds.

Once the instrument is started up in Diagnostic Mode, you can switch between Diagnostic Mode and Monitoring Mode by pressing and holding [MODE] and [Y/+] simultaneously for two seconds.

In Diagnostic mode, you can step through parameter screens by pressing [MODE].

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Adjusting The Pump Stall Threshold

If the gas inlet is blocked but the pump does not shut down, or the pump shuts down too easily with a slight blockage, the pump stall threshold value may be set too high or too low.

Use the following steps to adjust the pump stall threshold:

Pump High

In Diagnostic Mode, press the [MODE] key until "Pump High" is displayed. The display shows the maximum, minimum, and stall values for the pump at its high speed. Write down the "Max" reading.

Block the gas inlet and watch the pump current reading (labeled "I") increase. Write down its blocked reading. **Note:** If the pump current reading does not increase significantly (less than 10 counts), then there may be a leak in the gas inlet or the pump is weak or defective.

Add the two readings you wrote down. This is the average of the maximum block count and the maximum idle count. Divide that number by 2. Use the [Y/+] or [N/-] key to increase or decrease the stall value to equal that number.

Press the [MODE] key to exit this display.

Pump Low

In Diagnostic Mode, press the [MODE] key until "Pump Low" is displayed. The display shows the maximum, minimum, and stall values for the pump at its low speed. Write down the "Max" reading.

Block the gas inlet and watch the pump current reading (labeled "I") increase. Write down its blocked reading. **Note:** If the pump current reading does not increase significantly (less than 10 counts), then there may be a leak in the gas inlet or the pump is weak or defective.

Add the two readings you wrote down. This is the average of the maximum block count and the maximum idle count. Divide that

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number by 2. Use the [Y/+] or [N/-] key to increase or decrease the stall value to equal that number.

Press the [MODE] key to exit this display.

Exiting Diagnostic Mode

You can exit Diagnostic Mode and go directly to Programming Mode or Monitor Mode as outlined above, or you can exit Diagnostic Mode completely.

To exit Diagnostic Mode so that it cannot be re-entered without a restart:

Shut down the instrument. When it is off, restart it by holding the [MODE] key. Diagnostic Mode cannot be entered until the instrument is restarted as outlined in “Entering Diagnostic Mode.”

Transferring Data To & From A Computer

Once you have connected your instrument cradle to the PC, you can transfer data, including a download of the datalog to the computer and updates of firmware to the instrument (should this ever be necessary).

Downloading The Datalog To A PC

1. Connect the data cable to the PC and the cradle.
2. Place the instrument into its cradle. The charging LED should be illuminated.
3. Start ProRAE Studio on your PC.
4. From ProRAE Studio, select "Operation" and select Setup Connection.
5. Select the COM port to establish a communication link between the PC and the instrument.
6. To receive the datalog in the PC, select "Downlog Datalog."
7. When you see "Unit Information," click OK.

During the data transfer, the display shows a progress bar.

When the transfer is done, you will see a screen with the datalog information. You can now export this datalog for other use or printing.

Uploading Firmware To The instrument From A PC

Uploading new firmware to your instrument requires connecting the instrument and PC. Follow these steps to make the connection:

1. Connect the data cable to the PC and the cradle.
2. Place the instrument into its cradle. The charging LED should be illuminated.
3. Start RAEProgrammer 7000 on your PC.
4. From RAEProgrammer 7000, select "Operation" and select Setup Connection.
5. Select the COM port to establish a communication link between the PC and the instrument.
6. Select Operation → Download Firmware.

Once communication is established, follow the instructions that accompany RAEProgrammer 7000 and the firmware to upload the new firmware to your instrument.

Note: Check for the latest updates to ProRAEProgrammer 7000 at www.raesystems.com.

Maintenance

The major maintenance items of the instrument are:

- Battery pack
- Sensor module
- PID lamp
- Sampling pump
- Inlet connectors and filters

Note: Maintenance should be performed by qualified personnel only.

NOTE: The printed circuit board of the instrument is connected to the battery pack even if the power is turned off. Therefore, it is very important to disconnect the battery pack before servicing or replacing any components inside the instrument. Severe damage to the printed circuit board or battery may occur if the battery pack is not disconnected before servicing the unit.

Battery Charging & Replacement

When the display shows a flashing empty battery icon, the battery requires recharging. It is recommended to recharge the instrument upon returning from fieldwork. A fully charged battery runs a instrument for 16 hours continuously. The charging time is less than 8 hours for a fully discharged battery. The battery may be replaced in the field (in areas known to be non-hazardous), if required.

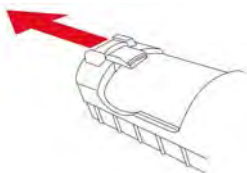
WARNING!

To reduce the risk of ignition of hazardous atmospheres, recharge battery only in area known to be non-hazardous. Remove and replace battery only in areas known to be non-hazardous.

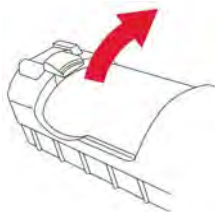
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Replacing The Li-ion Battery

1. Turn off the instrument.
2. Located on the rear of the instrument is a battery tab. Slide it down to unlock the battery.



3. Remove the battery pack from the battery compartment by tilting it out.



4. Replace a fully charged spare battery pack inside the battery compartment. Make sure the battery pack is oriented properly inside the compartment.
5. Slide the capture tab back up to its locked position.

Replacing The Alkaline Battery Adapter

An alkaline battery adapter is supplied with each instrument. The adapter (part number 059-3052-000) accepts four AA alkaline batteries (use only Duracell MN1500) and provides approximately 12 hours of operation. The adapter is intended to be used in emergency situations when there is no time to charge the Li-ion battery pack.

To insert batteries into the adapter:

1. Remove the three Philips-head screws to open the compartment.
2. Insert four fresh AA batteries as indicated by the polarity (+/-) markings.
3. Replace the cover. Replace the three screws.

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To install the adapter in the instrument:

1. Remove the Li-ion battery pack from the battery compartment by sliding the tab and tilting out the battery.
2. Replace it with the alkaline battery adapter
3. Slide the tab back into place to secure the battery adapter.

IMPORTANT!

Alkaline batteries cannot be recharged. The instrument's internal circuit detects alkaline batteries and will not allow recharging. If you place the instrument in its cradle, the alkaline battery will not be recharged. The internal charging circuit is designed to prevent damage to alkaline batteries and the charging circuit when alkaline batteries are installed inside the instrument.

Note: When replacing alkaline batteries, dispose of old ones properly.

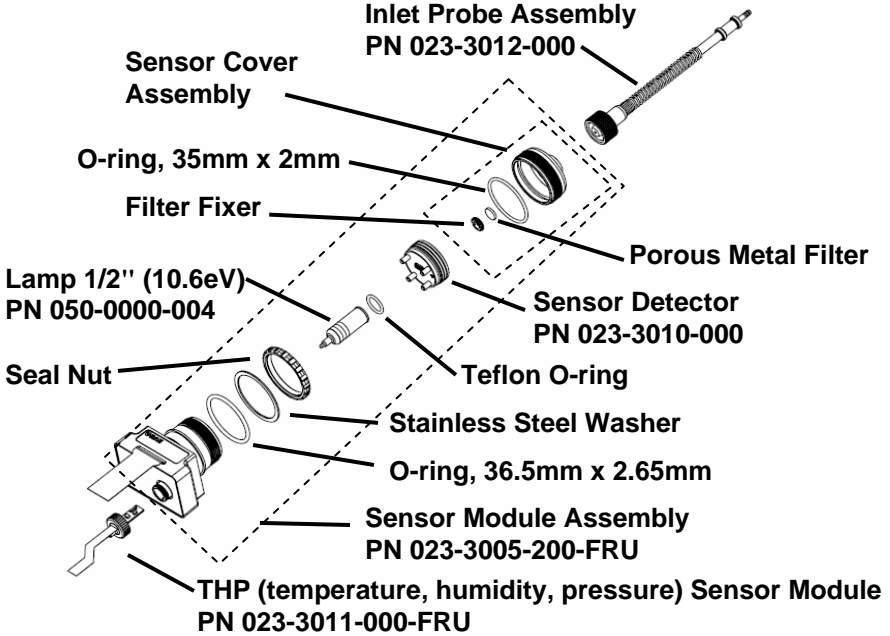
WARNING!

To reduce the risk of ignition of hazardous atmospheres, recharge the battery only in areas known to be non-hazardous. Remove and replace the battery only in areas known to be non-hazardous.

Note: The internal charging circuit is designed to prevent charging to alkaline batteries.

PID Sensor & Lamp Cleaning/Replacement

The sensor module is made of several components and is attached to the lamp-housing unit as shown below.



Sensor Components

Note: The cleaning procedure is not normally needed. Clean the PID sensor module, the lamp and the lamp housing only if:

1. The reading is inaccurate even after calibration.
2. The reading is very sensitive to air moisture.
3. A liquid has been sucked into the unit and damaged the unit.

Use of the external filter helps to prevent contamination of the sensor.

To access the sensor components and lamp, gently unscrew the lamp-housing cap, remove the sensor adapter with the gas inlet probe and the metal filter all together. Then hold the PID sensor and pull it straight out. A slight, gentle rocking motion helps release the sensor.

Cleaning The PID Sensor

Place the entire PID sensor module into GC grade methanol. It is highly recommended that an ultrasound bath to be used to clean the sensor for at least 15 minutes. Then dry the sensor thoroughly. Never touch the electrodes of the sensor by hand.

Also use a methanol-soaked cotton swab to wipe off the lamp housing where it contacts the sensor when the sensor is installed.

Turn over the sensor so that the pins point up and the sensor cavity is visible. Examine the sensor electrodes for any corrosion, damage, or bending out of alignment. The metal sensor electrode “fingers” should be flat and straight. If necessary, carefully bend the sensor fingers to ensure that they do not touch the Teflon portions and that they are parallel to each other. Make sure that the nuts on the sensor pins are snug but not overtight. If the sensor is corroded or otherwise damaged, it should be replaced.

Cleaning The Lamp Housing Or Changing The Lamp

If the lamp does not turn on, the instrument will display an error message to indicate replacement of the lamp may be required.

1. If the lamp is operational, clean the lamp window surface and the lamp housing by wiping it with GC grade methanol using a cotton swab using moderate pressure. After cleaning, hold the lamp up to the light at an angle to detect any remaining film. Repeat the process until the lamp window is clean. Never use water solutions to clean the lamp. Dry the lamp and the lamp housing thoroughly after cleaning.

CAUTION: Never touch the window surface with the fingers or anything else that may leave a film. Never use acetone or aqueous solutions.

2. If the lamp does not turn on, remove the lamp from the lamp housing. Place the lamp O-ring onto the new lamp. Insert the new lamp, avoiding contact with the flat window surface.
3. Reinstall the PID sensor module.
4. Tighten the Lamp Housing Cap.

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Determining The Lamp Type

The monitor can accommodate three lamp values: 10.6eV (standard), 9.8eV, and 11.7eV. The monitor automatically reads a marking on the side of the lamp to set the proper Correction Factor. There are two ways to determine the lamp type:

Remove the lamp and look for markings (bars) on the side:

- No bars: 10.6eV
- 1 bar: 11.7eV
- 2 bars: 9.8eV

Also, when the monitor is running, the lamp type is shown along with the calibration and measurement gas and Correction Factor:

C. Gas = Isobutene		
M. Gas = Isobutene		
CF = 1.00		10.6eV
	ⓘ	➔

Note: This screen can be accessed from the reading screen by pressing [N/-] four times.

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Sampling Pump

When approaching the end of the specified lifetime of the pump, it will consume higher amount of energy and reduce its sample draw capability significantly. When this occurs, it is necessary to replace or rebuild the pump. When checking the pump flow, make sure that the inlet connector is tight and the inlet tubing is in good condition. Connect a flow meter to the gas inlet probe. The flow rate should be above 450 cc/min when there is no air leakage.

If the pump is not working properly, refer the instrument to qualified service personnel for further testing and, if necessary, pump repair or replacement.

Cleaning The Instrument

Occasional cleaning with a soft cloth is recommended. Do not use detergents or chemicals.

Visually inspect the contacts at the base of the instrument, on the battery, and on the charging cradle to make sure they are clean. If they are not, wipe them with a soft, dry cloth. Never use solvents or cleaners.

Ordering Replacement Parts

If you need replacement parts, contact your local RAE Systems distributor. A list is available online:

<http://www.raesystems.com>

In the U.S., you can order sensors, replacement batteries, and other accessories online at:

<http://istore.raesystems.com/>

Special Servicing Note

If the instrument needs to be serviced, contact either:

1. The RAE Systems distributor from whom the instrument was purchased; they will return the instrument on your behalf.

or

2. The RAE Systems Technical Service Department. Before returning the instrument for service or repair, obtain a Returned Material Authorization (RMA) number for proper tracking of your equipment. This number needs to be on all documentation and posted on the outside of the box in which the instrument is returned for service or upgrade. Packages without RMA Numbers will be refused at the factory.

Troubleshooting

Problem	Possible Reasons & Solutions
Cannot turn on power after charging the battery	<p>Reasons: Discharged battery. Defective battery.</p> <p>Solutions: Charge or replace battery.</p>
Lost password	<p>Solutions: Call Technical Support at +1 408-752-0723 or toll-free at +1 888-723-4800</p>
Reading abnormally High	<p>Reasons: Dirty filter. Dirty sensor module. Excessive moisture and water condensation. Incorrect calibration.</p> <p>Solutions: Replace filter. Blow-dry the sensor module. Calibrate the unit.</p>
Reading abnormally Low	<p>Reasons: Dirty filter. Dirty sensor module. Weak or dirty lamp. Incorrect calibration.</p> <p>Solutions: Replace filter. Remove Calibration Adapter. Calibrate the unit. Check for air leakage.</p>
Buzzer Inoperative	<p>Reasons: Bad buzzer.</p> <p>Solutions: Check that buzzer is not turned off. Call authorized service center.</p>

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Inlet flow too low	<p>Reasons: Pump diaphragm damaged or has debris. Flow path leaks.</p> <p>Solutions: Check flow path for leaks; sensor module O-ring, tube connectors, Teflon tube compression fitting. Call Technical Support at +1 408-752-0723 or toll-free at +1 888-723-4800</p>
"Lamp" message during operation	<p>Reasons: Lamp drive circuit. Weak or defective PID lamp, defective.</p> <p>Solutions: Turn the unit off and back on. Replace UV lamp</p>

Technical Support

To contact RAE Systems Technical Support Team:

Monday through Friday, 7:00AM to 5:00PM Pacific (US) Time

Phone (toll-free): +1 888-723-4800

Phone: +1 408-952-8461

Email: tech@raesystems.com

Life-critical after-hours support is available:

+1 408-952-8200 select option 8

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Fax: 82-32-328-7127
Email: krsales@raesystems.com

Controlled Part of Manual

Intrinsic Safety:

US and Canada: Class I, Division 1, Groups A,B,C,D T4

Europe: ATEX (0575 Ex II 2G Ex ia IIC/IIB T4 Gb)

KEMA 07 ATEX 0127

Complies with EN60079-0:2009, EN60079-11:2007

IECEX CSA 10.0005 Ex ia IIC/IIB T4 Gb

Complies with IEC 60079-0:2007, IEC 60079-11:2006

Temperature: -20° C to 50° C (-4° to 122° F)

Humidity: 0% to 95% relative humidity (non-condensing)

Basic Operation

Turning The Instrument On

1. With the instrument turned off, press and hold [MODE].
2. When the display turns on, release the [MODE] key.

The instrument is now operating and performs self tests. Once the self tests are complete, the display shows a graph or numerical gas reading. This indicates that the instrument is fully functional and ready to use.

Turning The Instrument Off

1. Press and hold the Mode key for 3 seconds. A 5-second countdown to shutoff begins.
2. When you see "Unit off..." release your finger from the [MODE] key. The instrument is now off.

Note: You must hold your finger on the key for the entire shutoff process. If you remove your finger from the key during the countdown, the shutoff operation is canceled and the instrument continues normal operation.

Alarm Signals

During each measurement period, the gas concentration is compared with the programmed alarm limits (gas concentration alarm limit settings). If the concentration exceeds any of the preset limits, the loud buzzer and red flashing LED are activated immediately to warn you of the alarm condition.

In addition, the instrument alarms if one of the following conditions occurs: battery voltage falls below a preset voltage level, failure of the UV lamp, pump stall, or when the datalog memory is full.

Alarm Signal Summary

Message	Condition	Alarm Signal
HIGH	Gas exceeds "High Alarm" limit	3 beeps/flashes per second*
OVR	Gas exceeds measurement range	3 beeps/flashes per second*
MAX	Gas exceeds electronics' maximum range	3 beeps/flashes per second*
LOW	Gas exceeds "Low Alarm" limit	2 beeps/flashes per second*
TWA	Gas exceeds "TWA" limit	1 Beep/flash per second*
STEL	Gas exceeds "STEL" limit	1 Beep/flash per second*
Pump icon flashes	Pump failure	3 beeps/flashes per second
Lamp	PID lamp failure	3 beeps/flashes per second plus "Lamp" message on display

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Battery icon flashes	Low battery	1 flash, 1 beep per minute plus battery icon flashes on display
CAL	Calibration failed, or needs calibration	1 beep/flash per second
NEG	Gas reading measures less than number stored in calibration	1 beep/flash per second

Preset Alarm Limits & Calibration

The instrument is factory calibrated with standard calibration gas, and is programmed with default alarm limits.

Cal Gas (Isobutylene)	Cal Span	unit	Low	High	TWA	STEL
ppbRAE 3000	10	ppm	10	25	10	25
MiniRAE 3000	100	ppm	50	100	10	25
MiniRAE Lite	100	ppm	50	100	10	25
UltraRAE 3000	100	ppm	50	100	10	25

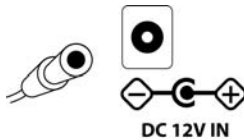
Charging The Battery

Always fully charge the battery before using the instrument. The instrument's Li-ion/NiMH battery is charged by placing the instrument in its cradle. Contacts on the bottom of the instrument meet the cradle's contacts, transferring power without other connections.

Note: Before setting the instrument into its charging cradle, visually inspect the contacts to make sure they are clean. If they are not, wipe them with a soft cloth. Do not use solvents or cleaners.

Follow this procedure to charge the instrument:

1. Plug the AC/DC adapter's barrel connector into the instrument's cradle.



2. Plug the AC/DC adapter into the wall outlet.
3. Place the instrument into the cradle, press down, and lean it back. It locks in place and the LED in the cradle glows.

Note: To release the instrument, press down and tilt the top out of the cradle and lift up.

The instrument begins charging automatically. The LED on the front of the cradle marked "Primary" blinks during charging. During charging, the diagonal lines in the battery icon on the instrument's display are animated and you see the message "Charging..."

When the instrument's battery is fully charged, the battery icon is no longer animated and shows a full battery. The message "Fully charged!" is shown and the Primary LED on the cradle glows continuously green.

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Note: A spare Li-ion battery (059-3051-000) or NiMH(059-3054-000) can be charged by placing it directly in the charging port on the back of the cradle. It can be charged at the same time as the instrument. Press the battery in place, sliding it slightly toward the front of the cradle. This locks it in the cradle. To release the battery, slide it forward again and tilt it up.

Note: An Alkaline Battery Adapter (part number 059-3052-000), which uses four AA alkaline batteries (Duracell MN1500), may be substituted for the Li-Ion battery.

WARNING!

To reduce the risk of ignition of hazardous atmospheres, recharge and replace batteries only in areas known to be non-hazardous. Remove and replace batteries only in areas known to be non-hazardous.

Low Voltage Warning

When the battery's charge falls below a preset voltage, the instrument warns you by beeping once and flashing once every minute, and the battery icon blinks once per second. You should turn off the instrument within 10 minutes and either recharge the battery by placing the instrument in its cradle, or replace the battery with a fresh one with a full charge.

Clock Battery

An internal clock battery is mounted on one of the instrument's printed circuit boards. This long-life battery keeps settings in memory from being lost whenever the Li-ion, NiMH, or alkaline batteries are removed. This backup battery should last approximately five years, and must be replaced by an authorized RAE Systems service technician. It is not user-replaceable.

WARNING

To reduce the risk of ignition of hazardous atmospheres, recharge battery only in area known to be non-hazardous. Remove and replace battery only in an area known to be non-hazardous.

Replacing Rechargeable Li-Ion or NiMH Battery

Caution: Turn off the instrument before removing or replacing the battery.

Alkaline Battery Adapter

An alkaline battery adapter is supplied with each instrument. The adapter (part number 059-3052-000) accepts four AA alkaline batteries (use only Duracell MN1500).

Do not mix old and new batteries or different type batteries.

Troubleshooting

Problem	Possible Reasons & Solutions
Cannot turn on power after charging the battery	<p>Reasons: Discharged battery. Defective battery.</p> <p>Solutions: Charge or replace battery.</p>
Lost password	<p>Solutions: Call Technical Support at +1 408-752-0723 or toll-free at +1 888-723-4800</p>
Reading abnormally High	<p>Reasons: Dirty filter. Dirty sensor module. Excessive moisture and water condensation. Incorrect calibration.</p> <p>Solutions: Replace filter. Blow-dry the sensor module. Calibrate the unit.</p>
Reading abnormally Low	<p>Reasons: Dirty filter. Dirty sensor module. Weak or dirty lamp. Incorrect calibration.</p> <p>Solutions: Replace filter. Remove Calibration Adapter. Calibrate the unit. Check for air leakage.</p>
Buzzer Inoperative	<p>Reasons: Bad buzzer.</p> <p>Solutions: Check that buzzer is not turned off. Call authorized service center.</p>

MiniRAE 3000 User's Guide

Inlet flow too low	<p>Reasons: Pump diaphragm damaged or has debris. Flow path leaks.</p> <p>Solutions: Check flow path for leaks; sensor module O-ring, tube connectors, Teflon tube compression fitting. Call Technical Support at +1 408-752-0723 or toll-free at +1 888-723-4800</p>
"Lamp" message during operation	<p>Reasons: Lamp drive circuit. Weak or defective PID lamp, defective.</p> <p>Solutions: Turn the unit off and back on. Replace UV lamp</p>



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HEALTH AND SAFETY

Exposure Monitoring

Model 8530/8532

DUSTTRAK™ II Aerosol Monitor

Operation and Service Manual

P/N 6001893, Revision F
January 2011



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Limitation of Warranty and Liability (effective July 2000)

Seller warrants the goods sold hereunder, under normal use and service as described in the operator's manual, shall be free from defects in workmanship and material for twenty-four (24) months, or the length of time specified in the operator's manual, from the date of shipment to the customer. This warranty period is inclusive of any statutory warranty. This limited warranty is subject to the following exclusions:

- a. Hot-wire or hot-film sensors used with research anemometers, and certain other components when indicated in specifications, are warranted for 90 days from the date of shipment.
- b. Parts repaired or replaced as a result of repair services are warranted to be free from defects in workmanship and material, under normal use, for 90 days from the date of shipment.
- c. Seller does not provide any warranty on finished goods manufactured by others or on any fuses, batteries or other consumable materials. Only the original manufacturer's warranty applies.
- d. Unless specifically authorized in a separate writing by Seller, Seller makes no warranty with respect to, and shall have no liability in connection with, goods which are incorporated into other products or equipment, or which are modified by any person other than Seller.

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TO THE EXTENT PERMITTED BY LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF SELLER'S LIABILITY FOR ANY AND ALL LOSSES, INJURIES, OR DAMAGES CONCERNING THE GOODS (INCLUDING CLAIMS BASED ON CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) SHALL BE THE RETURN OF GOODS TO SELLER AND THE REFUND OF THE PURCHASE PRICE, OR, AT THE OPTION OF SELLER, THE REPAIR OR REPLACEMENT OF THE GOODS. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES. SELLER SHALL NOT BE RESPONSIBLE FOR INSTALLATION, DISMANTLING OR REINSTALLATION COSTS OR CHARGES. No Action, regardless of form, may be brought against Seller more than 12 months after a cause of action has accrued. The goods returned under warranty to Seller's factory shall be at Buyer's risk of loss, and will be returned, if at all, at Seller's risk of loss.

Buyer and all users are deemed to have accepted this LIMITATION OF WARRANTY AND LIABILITY, which contains the complete and exclusive limited warranty of Seller. This LIMITATION OF WARRANTY AND LIABILITY may not be amended, modified or its terms waived, except by writing signed by an Officer of Seller.

Service Policy

Knowing that inoperative or defective instruments are as detrimental to TSI as they are to our customers, our service policy is designed to give prompt attention to any problems. If any malfunction is discovered, please contact your nearest sales office or representative, or call TSI at (800) 874-2811 (USA) or (001 651) 490-2811 (International).

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These Application Notes can also be found under TSI's web site:

<http://www.tsi.com>

[*EXPMN-001 DustTrak II Theory of Operation.pdf*](#)

[*EXPMN-003 DustTrak II Impactor.pdf*](#)

Safety Information

IMPORTANT

There are no user serviceable parts inside the instrument. Refer all repair and maintenance to a qualified factory-authorized technician. All maintenance and repair information in this manual is included for use by a qualified factory-authorized technician.

Laser Safety

- The Model 8530/8532 DUSTTRAK™ II is a Class I laser-based instrument.
- During normal operation, you will *not* be exposed to laser radiation.
- Precaution should be taken to avoid exposure to hazardous radiation in the form of intense, focused, visible light.
- Exposure to this light may cause blindness.

Take these precautions:

- **DO NOT** remove any parts from the DUSTTRAK™ II monitor unless you are specifically told to do so in this manual
- **DO NOT** remove the housing or covers. There are no serviceable components inside the housing.



WARNING

The use of controls, adjustments, or procedures other than those specified in this manual may result in exposure to hazardous optical radiation.



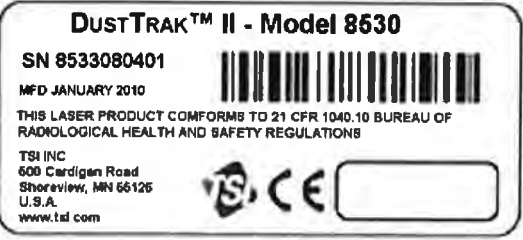

WARNING

There are no user-serviceable parts inside this instrument. The instrument should only be opened by TSI or a TSI approved service technician.

When operated according to the manufacturer's instruction, this device is a Class I laser product as defined by U.S. Department of Health and Human Services standards under the Radiation Control for Health and Safety Act of 1968. A certification and identification label like the one shown below is affixed to each instrument.

Labels

Advisory labels and identification labels are attached to the instrument.

<p>1. Serial Number Label (bottom)</p>	
<p>2. Laser Radiation Label (internal)</p>	<p>DANGER! VISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM WARNING: NO USER SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL</p>
<p>3. European symbol for non-disposable item. Item must be recycled.</p>	

Description of Caution/Warning Symbols

Appropriate caution/warning statements are used throughout the manual and on the instrument that require you to take cautionary measures when working with the instrument.

Caution



Caution
Failure to follow the procedures prescribed in this manual might result in irreparable equipment damage. Important information about the operation and maintenance of this instrument is included in this manual.




Warning



WARNING
Warning means that unsafe use of the instrument could result in serious injury to you or cause damage to the instrument. Follow the procedures prescribed.

Caution and Warning Symbols

The following symbols may accompany cautions and warnings to indicate the nature and consequences of hazards:

	Warns that the instrument contains a laser and that important information about its safe operation and maintenance is included in the manual.
	Warns that the instrument is susceptible to electro-static discharge (ESD) and ESD protection should be followed to avoid damage.
	Indicates the connector is connected to earth ground and cabinet ground.

Reusing and Recycling



As part of TSI Incorporated’s effort to have a minimal negative impact on the communities in which its products are manufactured and used:

- ❑ Do *not* dispose of used batteries in the trash. Follow local environmental requirements for battery recycling.
- ❑ If instrument becomes obsolete, return to TSI for disassembly and recycling.

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Chapter 1







Unpacking and Parts Identification







Carefully unpack the Model 8530/8532 DUSTTRAK™ II Aerosol Monitor from the shipping container. Use the tables and illustrations below to make certain that there are no missing components. Contact TSI immediately if anything is missing or damaged.

Note
<p>If you purchased a DUSTTRAK™ II Model 8530-NA (no accessories) Aerosol Monitor, it only comes with the following items:</p> <ul style="list-style-type: none">• DUSTTRAK™ II Model 8530 Aerosol Monitor• Operations manual• TRAKPRO™ Data Analysis Software CD• One-year calibration certificate• Service paperwork• 2-year warranty <p>All accessories for the DUSTTRAK™ II Model 8530-NA Aerosol Monitor are sold separately. Contact TSI at (800) 874-2811 for information on accessories and how to purchase them through a TSI sales representative.</p>

Unpacking the DUSTTRAK™ II Aerosol Monitor

Compare all the components you received with those listed in the table below. If any parts are missing, contact TSI.

Item	Qty	Part Number	Description
	1	1303740	USB cable
	1	801652	Analog/alarm output cable (Desktop models only)
	1	6001893	Operation and Service Manual
	1	N/A	Calibration Certificate
	1	801688	Conductive Tubing
	1	801668	Filter removal tool (Spanner Driver)

Item	Qty	Part Number	Description
  	<p>4</p> <p>2</p> <p>1</p>	<p>801673</p>	<p>Spare Internal Filter Elements Desktop Model Only</p> <p>37-mm filter includes: Filter body top Filter body bottom Mesh screen</p> <p>Comes with 37-mm cartridge opening tool</p>
	<p>8</p>	<p>801666</p>	<p>Spare Internal Filters Handheld Model Only</p>
	<p>1</p>	<p>801667</p>	<p>Impactor Kit PM_{2.5} assembled Top Bottom Impaction Plate PM_{1.0} Top PM_{4.0} Top PM₁₀ Top Extra Impaction Plate</p>
	<p>1</p>	<p>801691</p>	<p>Dorr-Oliver Cyclone</p>

Item	Qty	Part Number	Description
	1	801692 801694	Power Supply – Desktop Power Supply – Handheld
	2	N/A	Stylus When shipped, one stylus will be in the accessory bag, the second stylus attached to instrument.
	1	3012094	Screwdriver, dual ended. (For Handheld Models only)
	1	801674	Impactor Oil
	2	801698	Inlet cap When shipped, one inlet will be in the accessory bag, the second inlet attached to instrument.

Parts Identification for the DUSTTRAK™ II Desktop Aerosol Monitor Models 8530

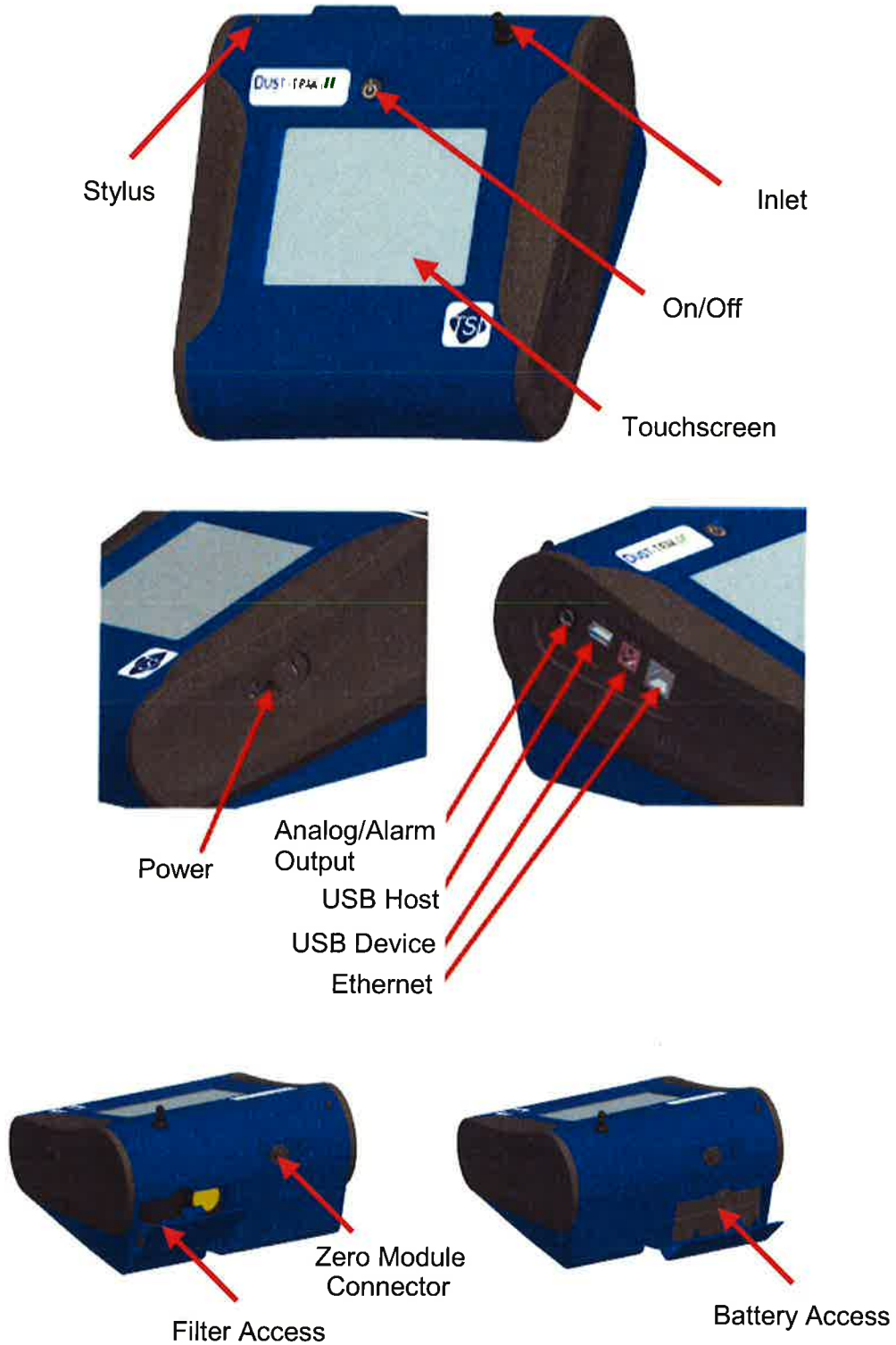
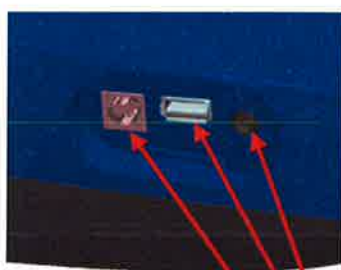
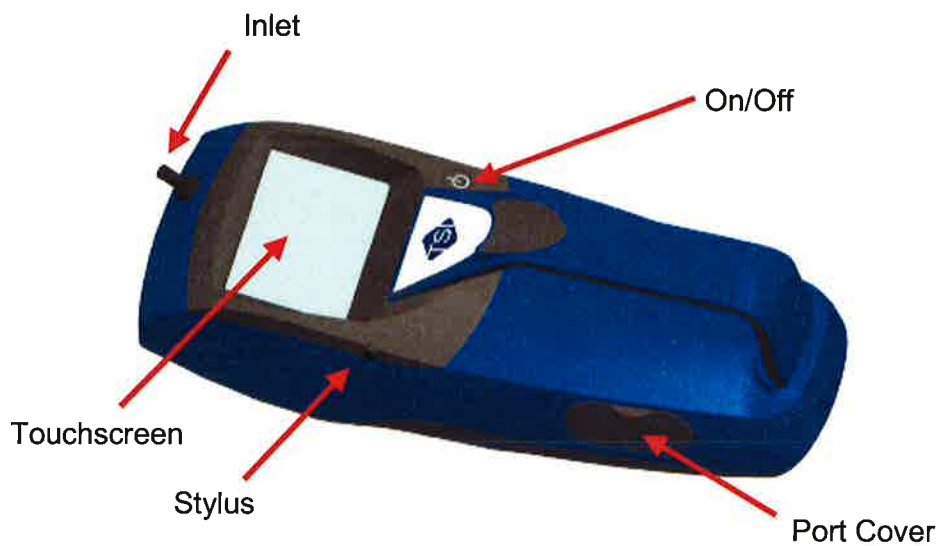


Figure 1-1: Features on Desktop Model

Parts Identification for the DUSTTRAK™ II Handheld Aerosol Monitor Model 8532



Power
USB Host
USB Device

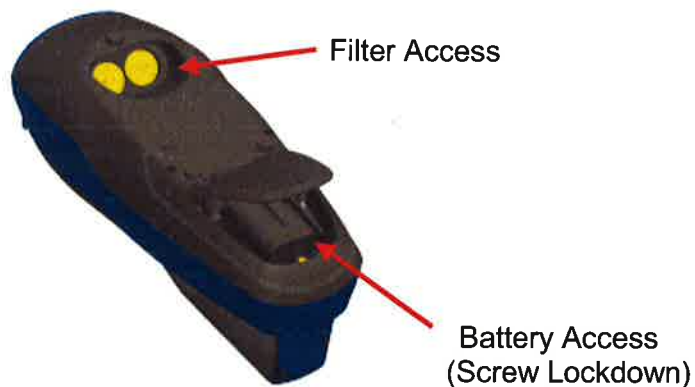


Figure 1-2: Features on Handheld Model

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Chapter 2

Setting Up

Supplying Power to the DUSTTRAK™ II Aerosol Monitor

The DUSTTRAK™ II Aerosol Monitor must be powered by either batteries or use of the external AC adapter.



WARNING

The instrument has been design to be used with batteries supplied by TSI. Do *not* use a substitute.



WARNING

Do *not* use non-rechargeable batteries in this instrument. Fire, explosions, or other hazards may result.

Installing the Batteries in Model 8530 Desktop

Remove the battery cover and slide one or two batteries into the battery slots. A single battery can be put into either slot. Orient the batteries with the label side facing up (see figure 2-1).



Figure 2-1: Batteries into Desktop Unit

Installing the Batteries in Model 8532 Handheld

Remove the battery cover by loosening captured screw on the bottom of the unit. Orient battery with brass connectors facing forward. Insert battery into cavity and slide forward to engage into pins. Replace the battery cover and secure by tightening screw (see figure 2-2).



Figure 2–2: Batteries into Handheld Unit

Using the AC Adapter to Run Instrument

The AC adapter allows you to power the DUSTTRAK™ monitor from an AC wall outlet. When using the AC adapter, the batteries (if installed) will be bypassed.

Battery Charging

This instrument will charge the Lithium Ion battery packs. Insert the batteries into the battery compartment, plug the instrument into AC power, and turn the instrument on. Batteries will charge only when the instrument is on and in stand-by mode. Batteries will not be charged if the instrument is turned off or is actively taken measurements. Charging will stop when the batteries have been fully charged.

Inlet Cap

When using the DUSTTRAK™ monitor to sample environmental air, the inlet cap should be put over the instrument. This cap will keep large objects from dropping into and plugging the inlet. The cap will also keep direct light from shining into the chamber and skewing the results.

The inlet cap can simply be pressed onto the instruments inlet.

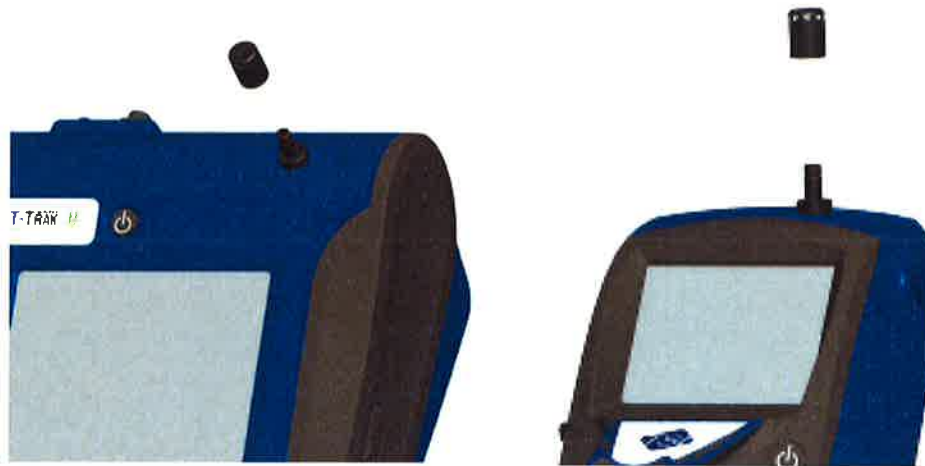


Figure 2-3: Putting on Inlet Cap

Size-Selective Impactors

Size-selective impactors can be attached to the inlet of the DUSTTRAK™ II instruments. Size-selective impactors can be used to pre-condition the size range of the particles entering the instrument. PM₁, PM_{2.5}, PM₄ (Respirable) and PM₁₀ impactors are available. **The instrument must run at the factory default setting of 3.0 L/min for the impactors to achieve the correct cut points.**

The size-selective impactor is composed of three parts; the cap, impaction plate and bottom. Selection of the cap will determine cut size of the impactor. Each cap is labeled with the particle cut size (1 μm, 2.5 μm, 4.0 μm or 10 μm). The same impaction plate and bottom are used on all impactor sizes.



Figure 2-4: Size-Selective Impactor

The impactor assembly is attached to the instrument in place of the inlet cap. The inlet cap does not need to be used if an impactor is being used. See [Chapter 4, "Maintenance,"](#) for instructions on how to add oil to the impaction plate.

Dorr-Oliver Cyclone

A Dorr-Oliver cyclone is shipped with the instrument. The Dorr-Oliver cyclone removes particles over 4.0 μm in size. The Dorr-Oliver cyclone is attached to the instrument by sliding the cyclone clip over the protruding catch. The tube from the Dorr-Oliver cyclone needs to be routed to the inlet of the instrument.



Figure 2-5: Installing Dorr-Oliver Cyclone

Inlet attachments (impactors or inlet cap) should *not* be used when using the Dorr-Oliver Cyclone. **The instrument flow rate must be changed to 1.7 L/min when using the Dorr-Oliver Cyclone in order to achieve a 4 μm (respirable) cut-point.** See the [Flow Cal](#) instructions in the Operations chapter for instructions on how to change the instruments flow rate.

Instrument Setup

The DUSTTRAK™ II monitor can be connected to a computer to download data and upload sampling programs.

Connecting to the Computer

Connect the USB host port of a Microsoft Windows®-based computer to the USB device port on the side of the DUSTTRAK™ monitor.

®Windows is a registered trademark of Microsoft Corporation.

Installing TRAKPRO™ Data Analysis Software

TRAKPRO™ software can preprogram the DUSTTRAK™ monitor, download data, view and create raw data and statistical reports, create graphs, and combine graphs with data from other TSI instruments that use TRAKPRO™ software. The following sections describe how to install the software and set up the computer.

Note
To use TRAKPRO™ software with the DUSTTRAK™ Aerosol Monitor, the PC must be running Microsoft Windows® and the computer must have an available Universal Serial Bus (USB) port.

1. Insert the TRAKPRO™ Data Analysis Software CD into the CD-ROM drive. The install screen starts automatically.

Note
If the software does not start automatically after a few minutes, manually run the program listed on the label of the CD using the Run command on the Windows Start Menu.

2. Follow the directions to install TRAKPRO™ software.

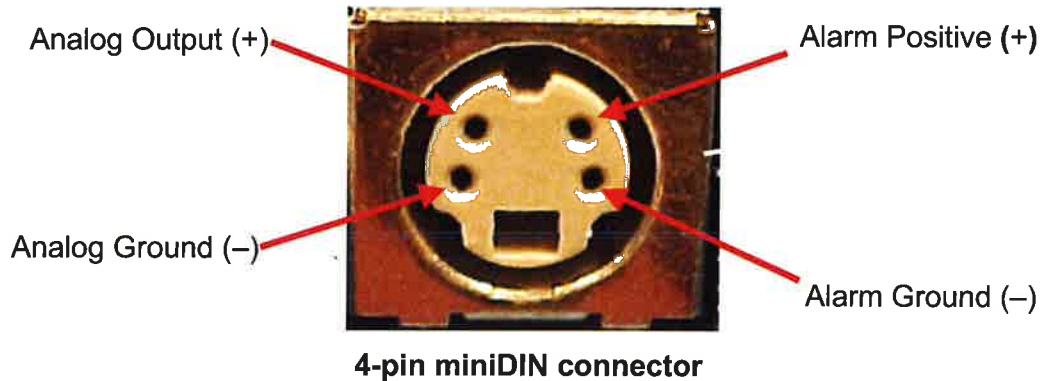
TRAKPRO™ software contains a comprehensive installation guide. It is recommended to print out this prior to starting the TRAKPRO™ software installation on your computer, so it may be consulted during the installation. The TRAKPRO™ Software manual is located in the “Help” file in TRAKPRO™ software. There is no separately printed TRAKPRO Data Analysis software manual.

®Microsoft and Windows are registered trademarks of Microsoft Corporation.

Connecting Analog/Alarm Output

The Analog/Alarm Output Cable plugs into the alarm connection on the side of the instrument. This feature is on the desktop models (8530) only.

The cable contains a 4-pin, mini-DIN connector. The pin-outs for the connector and the wiring for the cable are shown below.



Cable Wiring Diagram	
Brown Wire	Analog Ground
Orange Wire	Analog Out
Red Wire	Alarm (+)
White Wire	Alarm (-)
Black Wire	Shield

Figure 2-6: Cable Wiring Diagram

Wiring the Analog Output

System specifications:

- Output voltage: 0 to 5 VDC.
- Output impedance: 0.01 ohm.
- Maximum output current: 15 mA.
- Correct polarity must be observed (see pin-outs above).

The output cable supplied by TSI (part no. 801652) is labeled with the pin-out wiring diagram. Additional equipment may be needed for making connections to the system that TSI does not supply. It is the user's responsibility to specify and supply all additional equipment.

Wiring the Alarm

System specifications:

- Maximum voltage: 15 VDC (**DO NOT USE AC POWER**)
- Maximum current: 1 Amp
- Correct polarity must be observed (see pin-outs above)
- The alarm switch, located inside the DUSTTRAK™ monitor must be located on the ground side of the alarm system.



W A R N I N G

The DUSTTRAK™ monitor Alarm Output function should *not* be used to detect hazardous conditions or to provide an alarm for protecting human life, health or safety.



C a u t i o n

The alarm switch must *not* be wired to AC power! Failure to properly install the user alarm could damage the DUSTTRAK™ instrument and/or void the instrument warranty! Please read and follow all instructions before wiring or operating the user alarm.

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Chapter 3

Operation

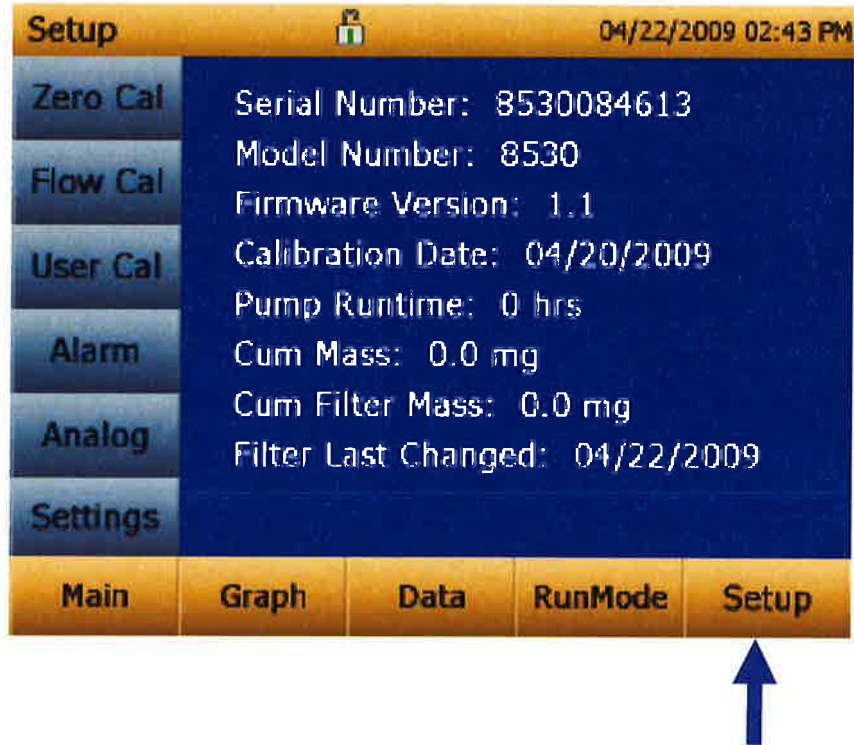
Getting Started

The **START UP** screen is displayed initially when the instrument is turned on, following the initial TSI logo splash screen.



Using a stylus or finger tip, touch the “buttons” on the screen to activate different menus.

Setup Menu

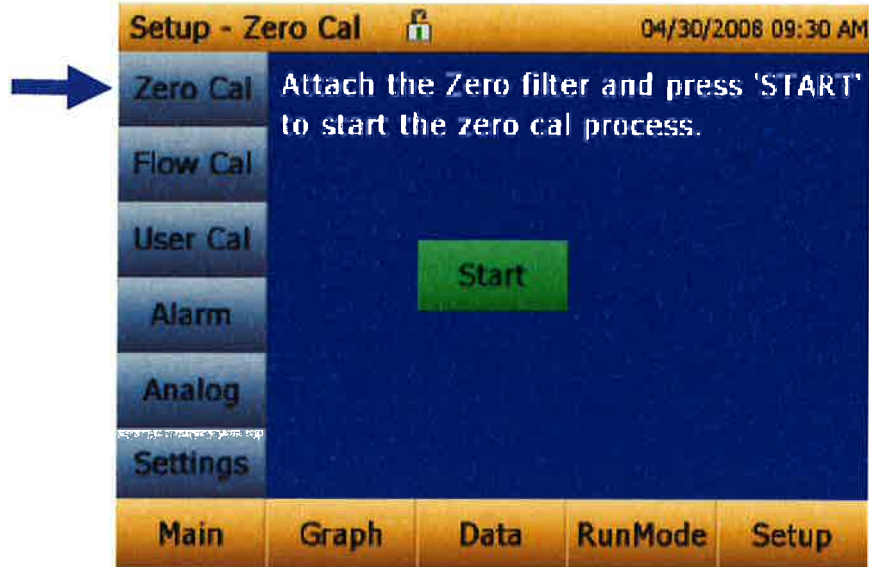


Pressing **Setup** activates the Setup Menu touchscreen buttons along the left edge of the screen. Setup cannot be accessed when the instrument is sampling.

The main screen of the **Setup** screen displays the following information:

Serial Number	The instruments serial number.
Model Number	The instruments model number.
Firmware Version	Instruments current version of firmware.
Calibration Date	Date of the last factory calibration.
Pump Run Time	Pump running time in hours.
Cum Mass Conc	Amount of mass run through instrument over life.
Cum Filter Conc	Amount of mass run through instrument since last filter change.
Filter Time	Date of last filter change.

Zero Cal



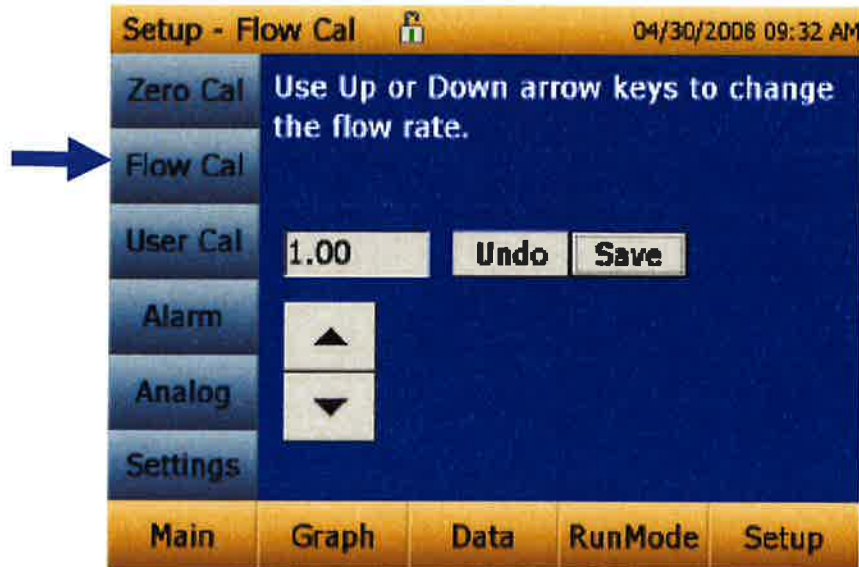
Zero Cal should be run the first time the instrument is used and should be repeated prior to every use. Zero Cal requires that the zero filter be attached prior to running.

Never perform a zero cal without attaching a zero filter.

1. Press **Zero Cal** Button
2. Attach Zero Filter
3. Press the **Start** button to start Zeroing process.
4. A count-down clock will appear indicating the time remaining. The screen will indicate “Zero Cal Complete” when done.

Remove filter after zeroing has been completed. The instrument is now zero calibrated and ready for use.

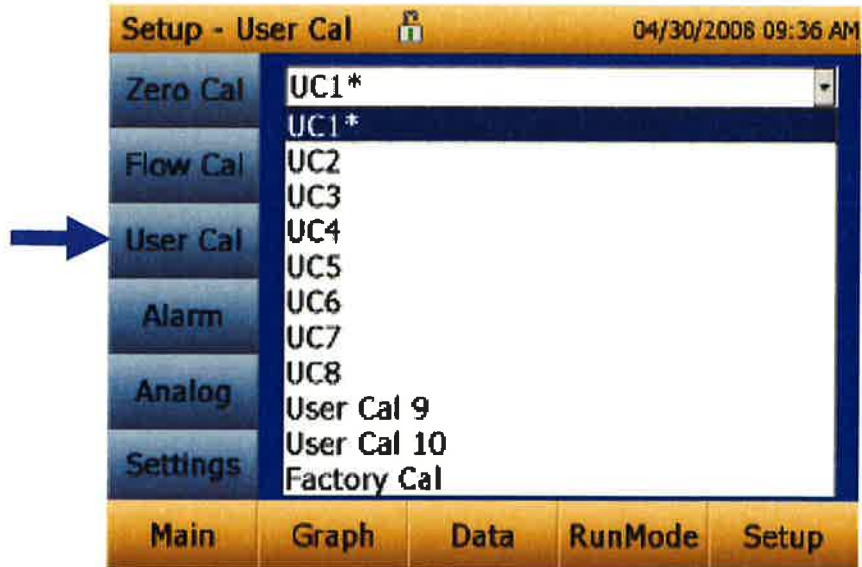
Flow Cal



Flow Cal is run if the user wants to change the flow set point. The flow set point is factory set to 3 L/min total flow. 2 L/min of the total flow is measured aerosol flow. 1 L/min of total flow is split off, filtered and used for sheath flow. There is an internal ΔP flowmeter in the DUSTTRAK™ II instrument that controls flow rate to $\pm 5\%$ if factory setpoint. It is recommended to check the flows with an external flow reference meter, especially when collecting data. The pump will automatically start when entering the Flow Cal screen.

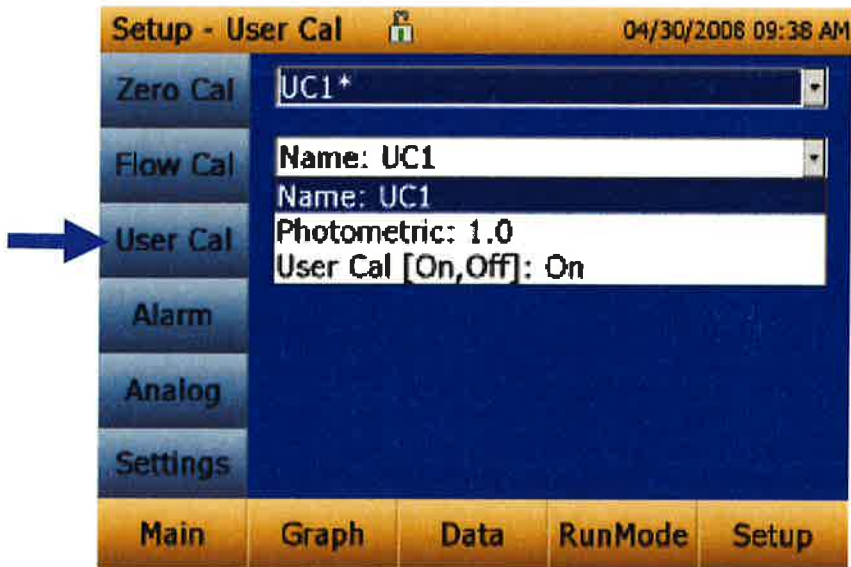
1. Attach a flow calibrator (reference flow meter) to inlet port. You may use a bubble buret, mass flow meter, dry piston or rotameter as flow measurement devices.
2. Move the arrows up or down to achieve desired flow on the reference flowmeter. Each up or down arrow will change the flow about 1%. Allow time between button presses to let pump change to the new flow rate.
3. Select save once the desired flow rate is achieved. Select **Undo** to return to the factory set point.

User Cal



User Cal allows the user to store and use 10 different calibration factors. The currently active user calibration is highlighted with an asterisk “*”.

Four variables can be set for each user calibration.



Name	User can rename calibration to a description name.
Photometric	Changes the factory calibration of particle signal, based on Arizona Road Dust, to actual aerosol being measured. See below for sets to set this calibration.

Size Corr	Changes the factory calibration of the particle distribution, based on Arizona Road Dust, to actual aerosol being measured. See below for sets to set this calibration.
User Cal [on,off]	Selecting On will activate current user calibration and deactivate the previously selected user calibration.

Taking a Gravimetric Sample Using the DUSTTRAK™ Monitor

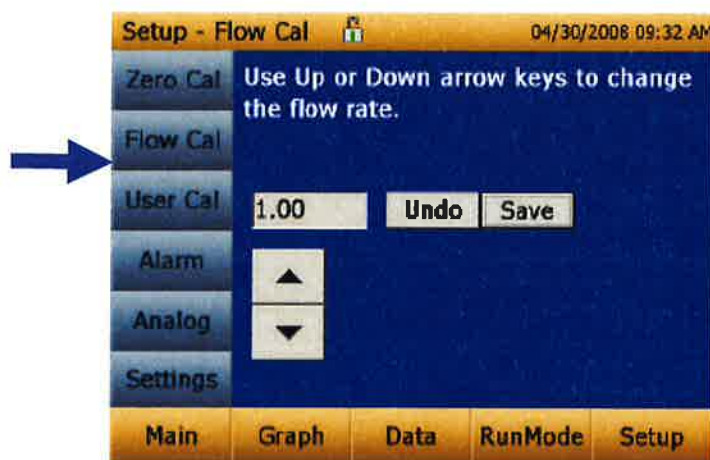
When sampling with the DUSTTRAK™ monitor, you can simultaneously take a gravimetric sample either for custom calibration of the DUSTTRAK™ monitor or for collecting the sample on to the gravimetric filter downstream of the DUSTTRAK™ monitor without a need for additional gravimetric sampling pump and filter assembly. To accomplish this, follow the instructions given below:

1. Setup the DUSTTRAK™ monitor to sample how long you want the sample run time to be. The following example shows a sample for 8 hours.
2. Under RunMode menu, put the instrument in Manual Log (Manual Logging is reviewed later in this section), which will enable you to start and stop the pump at any time you choose.
3. Set the logging interval. One minute (i.e., “01:00”) is a good choice.
4. Make sure you have a preweighed 37-mm gravimetric filter cassette loaded into the DUSTTRAK™ monitor. See Chapter 4, “Replacing the Internal Filters” on how to access the filter (see figure 4-8) and replace it.

Note

Use only the conductive plastic filter cassette holder (SKC Part# 225-308).

5. Under the Setup Menu, make sure the DUSTTRAK™ monitor is set to the desired flow rate. For DUSTTRAK™ II Model 8530, the flows can be varied from 1.7 to 4 L/min for use with various inlet conditioners. For DUSTTRAK™ DRX Model 8533, ***the flow cannot be changed***. The flows for DUSTTRAK™ II monitor can be changed by changing the default flow calibration setpoint from 1.0 to any value between 0.5 to 1.5 in the span adjustment. An external flowmeter is needed to measure the total flow. Flow can be changed by clicking on the UP or DOWN arrow keys shown below:



6. Conduct a preflow calibration on the DUSTTRAK™ monitor using the same kind of sample media you will sample with. Now, attach the sample media you intend to sample with and start sampling aerosol for the desired time. After the desired run time, stop the sampling. Remove the filter from the DUSTTRAK™ monitor and follow your laboratory's criteria for filter post weight. Conduct a post-flow calibration with the same sample media done with the pre-flow calibration and determine if these flow calibrations are within ±5% of each other. If they are, use the following to calculate the actual flow rate for the DUSTTRAK™ monitor. The laboratory will need the following information to calculate mass concentration in mg/m³:
 - Total sample time in minutes.
 - Flow rate—The flow rate of the DUSTTRAK™ monitor used for gravimetric analysis is only ²/₃ the total flow since ¹/₃ of the flow is used as sheath flow.
 - Total liters of air sampled = total sample time x flow rate.
7. Using this information the laboratory can determine the concentration using the following formula:

$$\text{Concentration, } \frac{\text{mg}}{\text{m}^3} = \frac{\left\{ \begin{array}{l} \text{Filter Post Weight (mg)} - \\ \text{Filter Pre Weight (mg)} \end{array} \right\}}{\frac{2}{3} \times \left\{ \begin{array}{l} \text{DustTrak™ Monitor} \\ \text{Flow Rate (L/min)} \end{array} \right\} \times \frac{1000}{1000}} \times \text{Total Sample Time (min)}$$

Note

The flow rate used for gravimetric analysis is only ²/₃ the total flow since ¹/₃ of the flow is used as sheath flow.

8. For instructions on how to calibrate the DUSTTRAK™ monitor using this data, see section below on [“Determining the Calibration Factor for a Specific Aerosol”](#).

Photometric Calibration Factor

In most situations, the DUSTTRAK™ monitor with its built-in data logging capability can provide very good information on how the concentration of an aerosol changes for different processes over time. Factory calibration to the respirable fraction of standard ISO 12103-1, A1 test dust is fairly representative of a wide variety of ambient aerosols. Because optical mass measurements are dependent upon particle size and material properties, there may be times in which a custom calibration would improve your accuracy for a specific aerosol.

Determining a aerosol specific photometric calibration requires that you determine a true mass concentration (e.g., gravimetric analysis) for the aerosol you want to measure. The true mass concentration is used to calculate the custom calibration factor for that aerosol. Once you have a custom calibration factor, you can reuse it each time you make measurements in the same aerosol environment.

Determining the Calibration Factor for a Specific Aerosol

The DUSTTRAK™ II monitor is factory calibrated to the respirable fraction of standard ISO 12103-1, A1 test dust. The DUSTTRAK™ monitor can be easily calibrated to any arbitrary aerosol by adjusting the custom calibration factor. The DUSTTRAK™ monitor's custom calibration factor is assigned the value of 1.00 for the factory calibration to standard ISO test dust. This procedure describes how to determine the calibration factor for a specific aerosol. Using the value of 1.00 will always revert back to the factory calibration.

To determine a new calibration factor you need some way of accurately measuring the concentration of aerosol, hereafter referred to as the reference instrument. A gravimetric analysis is often the best choice, though it is limited to nonvolatile aerosols. The internal 37 mm filter cartridge, in the desktop units, can be used to collect the reference gravimetric reference sample.

To make an accurate calibration you must simultaneously measure the aerosol concentration with the DUSTTRAK™ monitor and your reference instrument.

1. Zero the DUSTTRAK™ II monitor.
2. Put the instrument in Manual Log (Manual Logging is reviewed later in this section).
3. Set the logging interval. One minute (i.e., "01:00") is often a good choice.
4. Co-locate the DUSTTRAK™ II monitor and the reference sampler together so that they are measuring from the same area. The 37-mm

filter cartridge in the desktop unit can be used to collect the particles to be weighed for the gravimetric reference.

5. Start sampling aerosol with both instruments at the same time.

Note
Greater accuracy will be obtained with longer samples. The time you permit for sampling often depends on the reference instrument and characteristics of the measured aerosol. It may take some time to collect sufficient aerosol onto a filter cassette for accurate gravimetric analysis. Refer to instructions of your reference instrument for sampling times.

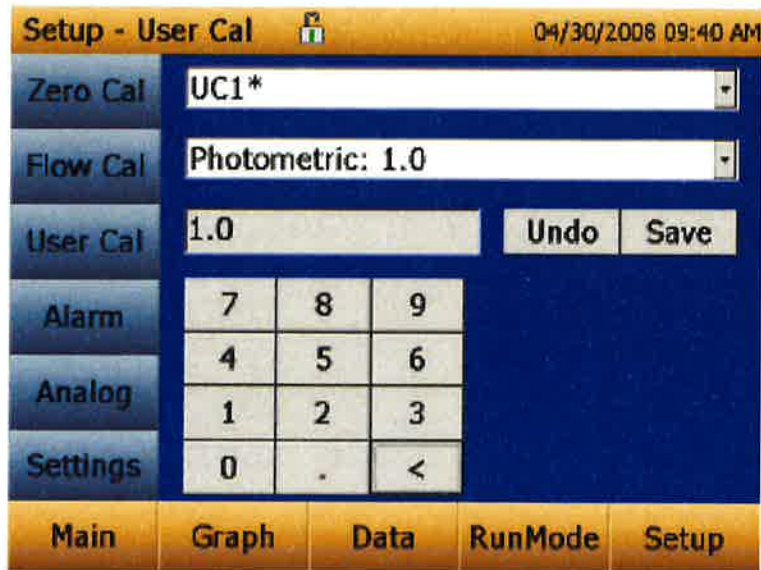
6. Stop sampling with both instruments at the same time.
7. Record the DUSTTRAK™ monitor average concentration. This can be done by viewing the sample average in the Data screen. (Data Screen is reviewed later in this chapter)
8. Determine the mass concentration in mg/m³ from your reference instrument. For gravimetric sampling this means having the gravimetric sample weighed.

Note
If you used the internal gravimetric filter in the DUSTTRAK™ Model 8530, the flow rate used to compute the concentration should be 2 L/min, not 3 L/min since only 2 L/min of aerosol flow reaches the filter.

9. Compute the new calibration constant, NewCal, using the following formula:

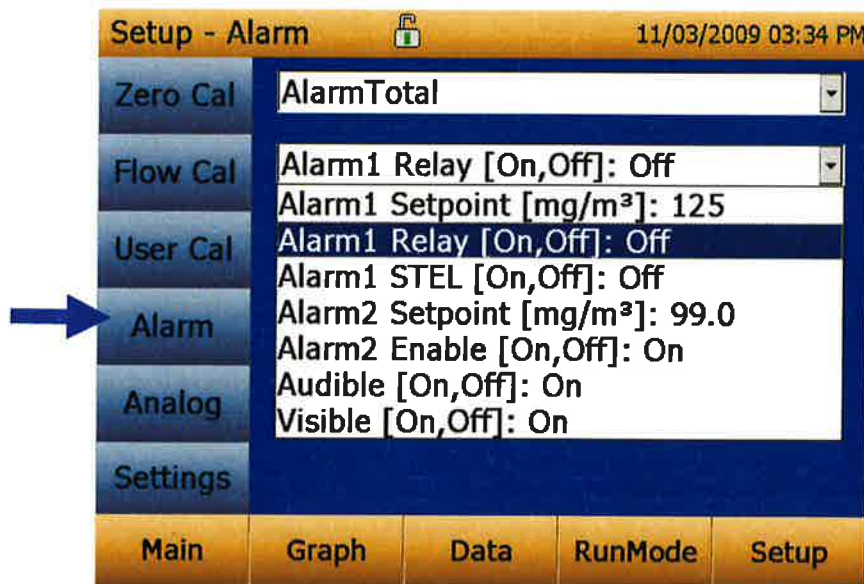
$$\text{NewCal} = \left(\frac{\text{Reference Concentration}}{\text{DustTrak Concentration}} \right) \cdot \text{CurrentCal}$$

10. Select **Photometric** from the User Cal drop down selection and enter the NewCal factor using the onscreen controls.





Alarm

Alarm allows the user to set an alarm level that will be triggered if the instrument's reading goes above the setpoint.




<p>Alarm1 Setpoint [mg/m³]</p>	<p>The alarm1 setpoint is the mass concentration level upon which the alarm1 is triggered.</p> <p>Alarm will be triggered if the mass concentration, taken at the logging interval, rises above the setpoint.</p> <p><i>Note: Alarm 2 must be lower than Alarm 1 when both alarms are enabled.</i></p>
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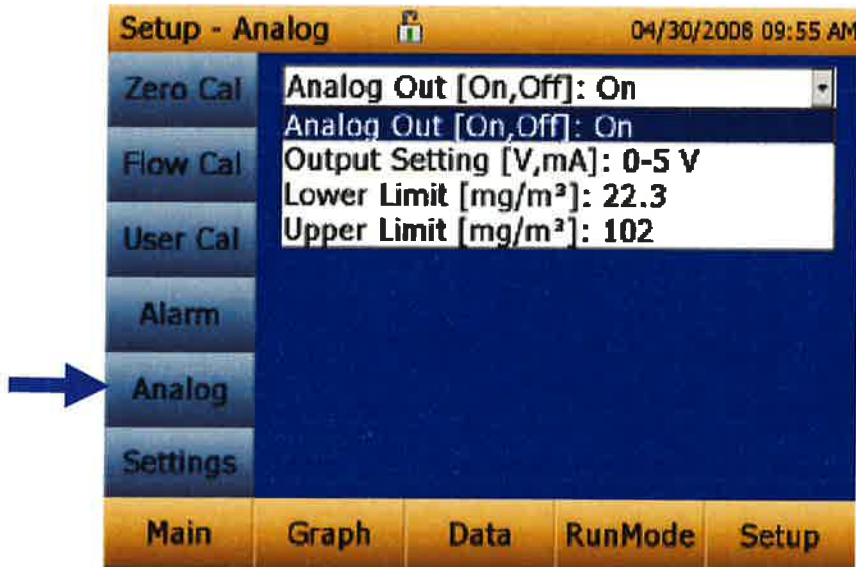
Alarm1 Relay [On, Off]	<p>When the relay alarm is turned on, unit will close relay switch when Alarm1 level is surpassed.</p> <p>Relay selection is available on the 8530 desktop model only.</p>
Alarm1 STEL [On, Off]	<p>When the STEL alarm is turned on, STEL data will be collected when Alarm1 level is surpassed.</p> <p>STEL selection is available on the 8530 desktop model only.</p> <p>See STEL Note below.</p>
Alarm2 Setpoint [mg/m³]	<p>The alarm2 setpoint is the mass concentration level upon which the alarm2 is triggered.</p> <p>Alarm will be triggered if the mass concentration, taken at the logging interval, rises above the setpoint.</p> <p><i>Note: Alarm 2 must be lower than Alarm 1 when both alarms are enabled.</i></p>
Alarm2 Enable [On, Off]	<p>Enables Alarm2 to be logged and will activate the Audible or Visible alarms if they are enabled.</p>
Alarm Audible [On, Off]	<p>When the audible alarm is turned on, the instrument will activate internal beeper when Alarm1 or Alarm2 level is surpassed.</p>
Alarm1 Visible [On, Off]	<p>When the visible alarm is turned on, unit will show the alarm icon (Alarm1 , Alarm 2 ) in title bar when Alarm1 or Alarm2 level is surpassed.</p>

STEL Alarm

STEL stands for **Short Term Exposure Limit**. When a STEL alarm is selected, the instrument will inspect the data on a second by second basis, independent from the selected logging interval. If the mass exceeds the STEL limit, then a STEL even will be triggered and the following actions will be taken.

STEL indicator	The STEL indicator  will show Red on the main screen.
Data	Data will be taken a 1 minute logging interval for 15 minutes . This data will be stored in a separate file named STEL_XXX, where XXX will be matched to the logged data file. The instrument will also continue to log the mass concentration data at the logging interval selected.
STEL Alarm repeat	If the instrument remains over the STEL limit after the 15 minute interval, or if the instrument exceeds the STEL limit later during the sample period, additional STEL files will be generated.

Analog

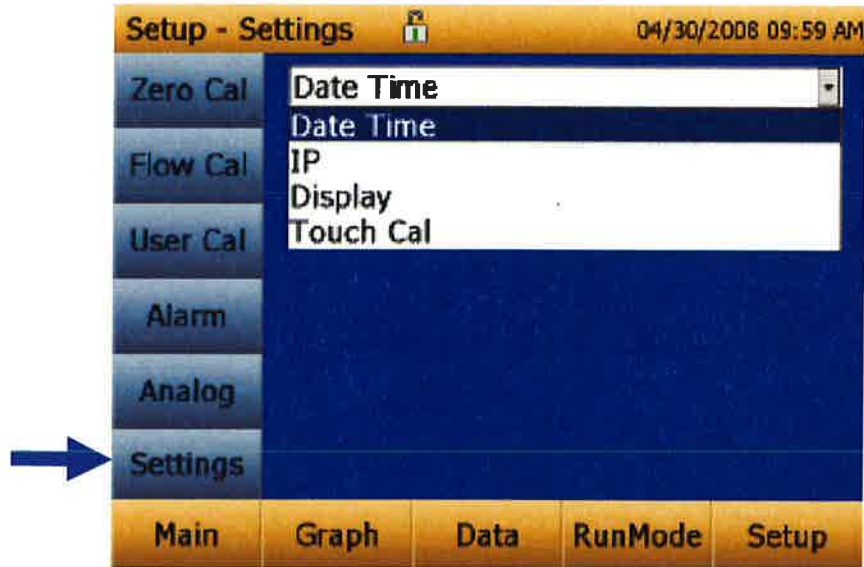


Analog setup screen sets the parameters that will drive the analog out port. Applies to the 8530 Desktop model only.

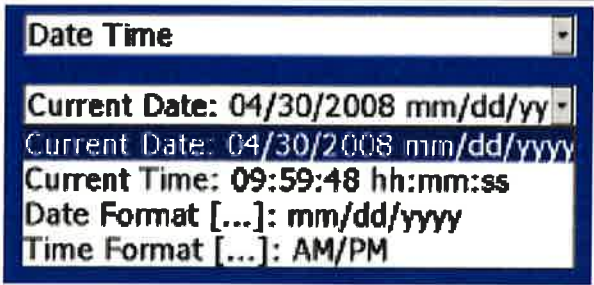
Analog out [On, Off]	Turns analog out port on.
Size Fraction	Selects the size channel that will drive the analog out.
Output Setting [V, mA]	Select between 0 to 5 V and 4 to 20 mA.

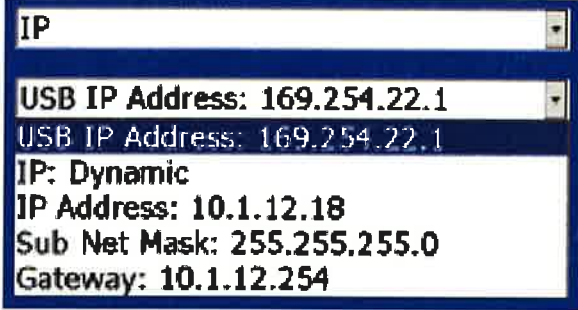

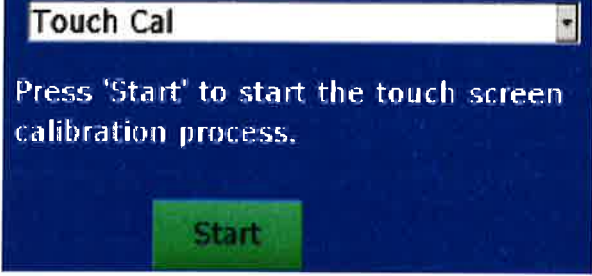
Lower Limit [mg/m³]	Mass concentration reading of the selected channel that will correspond to 0 V or 4 mA.
Upper Limit [mg/m³]	Mass concentration reading of the selected channel that will correspond to 5 V or 20 mA.

Settings



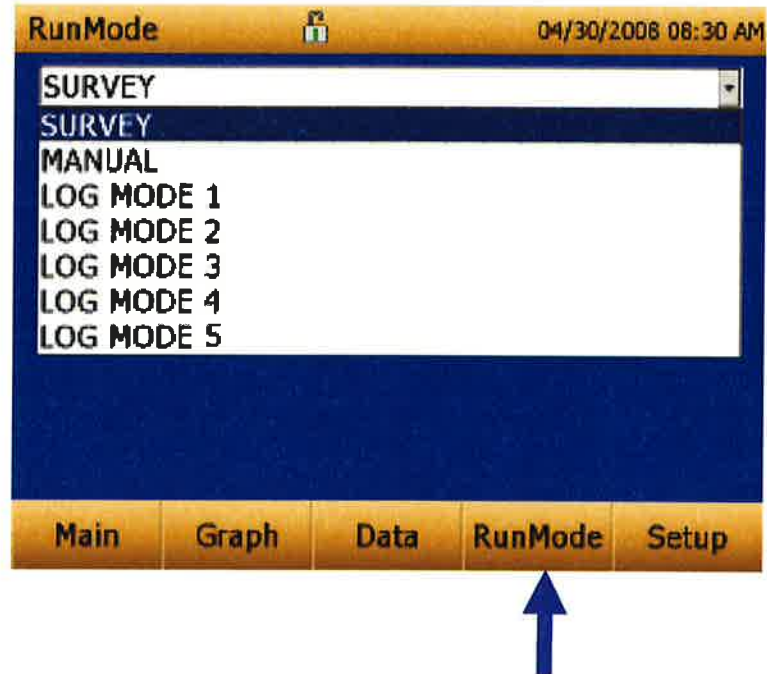
Settings screen sets basic unit parameters.

Date Time	 <p>Sets current date, current time and date/time format. Time can be set in 12 or 24 hour format. Date can be set in yyyy/dd/mm, yyyy/mm/dd or yyyy/dd/mm.</p>
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<p>IP</p>	 <p>USB PORT IP Address:</p> <p>USB IP is the address assigned to the instrument by the NDIS driver. It is shown but cannot be changed.</p> <p>Ethernet Port IP parameters: (Model 8530 Desktop only.)</p> <p>IP method can be set to static or dynamic.</p> <p>For static IP, IP address, default gateway, and subnet mask can be set.</p> <p>For Dynamic, The IP assigned by the network is shown. This cannot be changed.</p> <p>See Note below.</p>
<p>Display</p>	 <p>Switches between blue and white backgrounds.</p>
<p>Touch Cal</p>	 <p>Calibrates the touch cal screen.</p>

IP Notes
<p>After changing the instrument to Dynamic or Static, the instrument must be rebooted.</p> <p>In Dynamic Mode, the unit will show the IP to which is assigned (after being rebooted).</p>

Run Mode

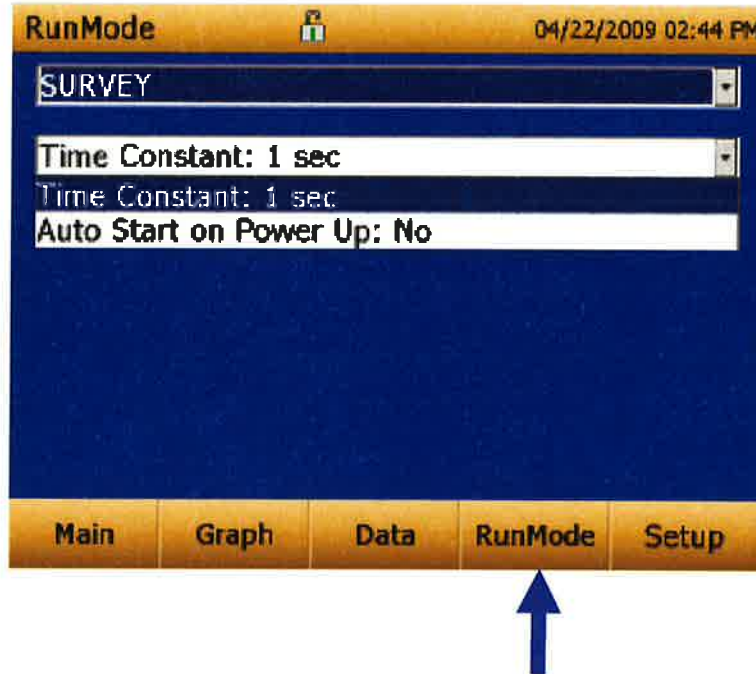


The **RunMode** tab brings up sampling mode options.

Sampling mode options include **Survey Mode**, **Manual Log**, and **Log Mode 1-5**.

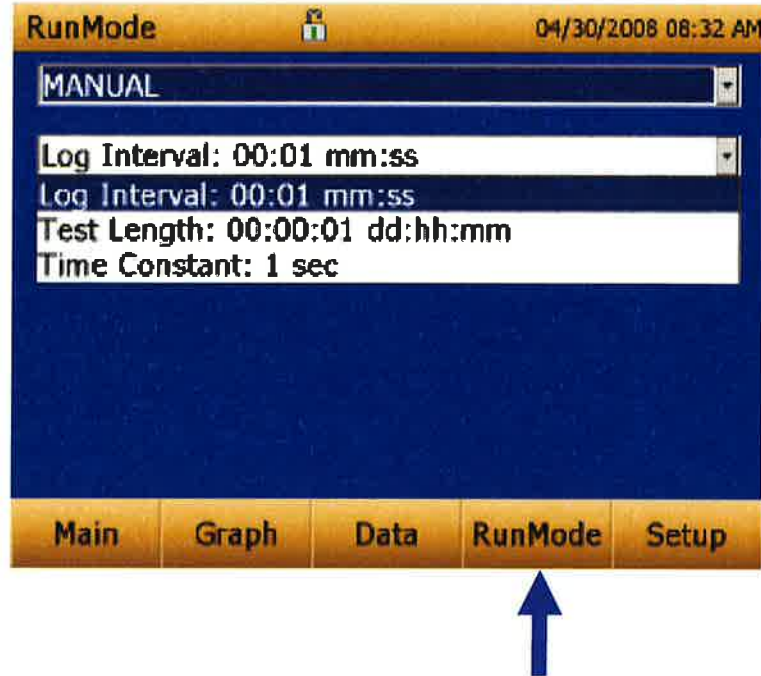
Survey	Survey Mode runs a real time, continuous active sample, but does not log data.
Manual	Manual Log sets the instrument to log data for a specified run time.
Log Modes	Log Mode starts and stops the instrument at specified times, run for a specified test length, and perform multiple tests of the same length with a specified time period between tests.

Survey Mode



Time Constant	Time Constant can be set from 1 to 60 seconds. This will control the update rate of the main screen. It is the rolling average of data displayed on the main screen and is not linked to logged data in either Manual or Program Log modes.
Auto Start on Power Up	When set to “Yes”, unit will start a measurement upon being powered on, if the unit was set to “Survey” when it was turned off. When set to “No”, the unit will be in idle when it is powered on.

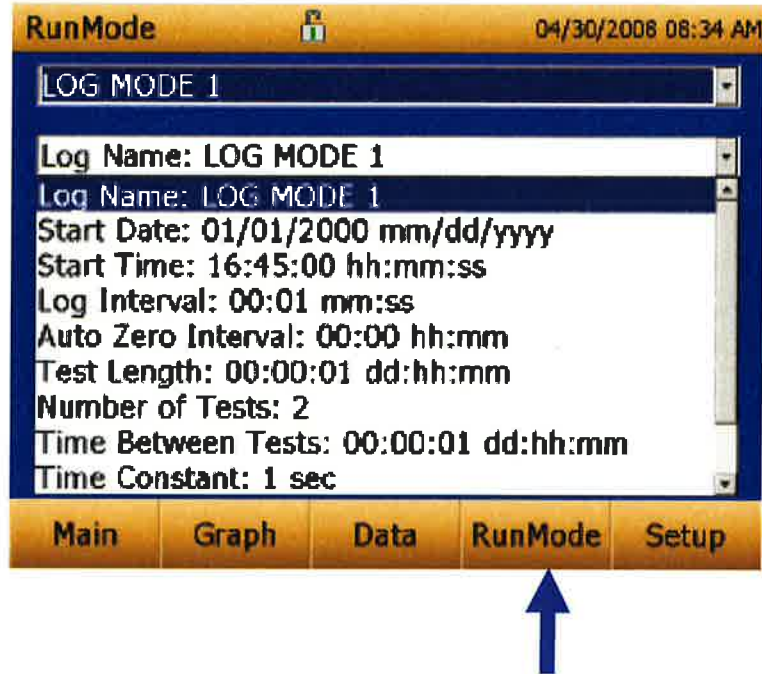
Manual Mode



Log Interval	The log interval can be set from 1 second to 60 minutes. It is the amount of time between logged data points.
Test Length	Test length can be set from 1 minute to the limit of the data storage.
Time Constant	Time Constant can be set from 1 to 60 seconds. This will control the update rate of the main screen. It is the rolling average of data displayed on the main screen and is not linked to logged data in either Manual or Program Log modes.

In Manual mode, data will be stored to a file named “*Manual_XYZ*” where *XYZ* is an incrementing integer.

Log Mode (1–5)



Log Name	Log Name, brings up a virtual keypad to name the Logged Data file.
Start Date	Start Date, select the date the test will start.
Start Time	Start Time, select the time the test will start.
Log Interval	The log interval can be set from 1 second to 60 minutes. It is the amount of time between logged data points.
Auto Zero Interval	Interval between re-zeroing the instrument using the Auto-Zero accessory. Model 8530 desktop only.
Test Length	From 1 minute to the limit of the data storage.
Number of Tests	Number of tests, 1 to 999.
Time between Tests	Time between tests, 1 minute to 30 days.
Time Constant	Time Constant can be set from 1 to 60 seconds. This will control the update rate of the main screen. It is the rolling average of data displayed on the main screen and is not linked to logged data in either Manual or Program Log modes.

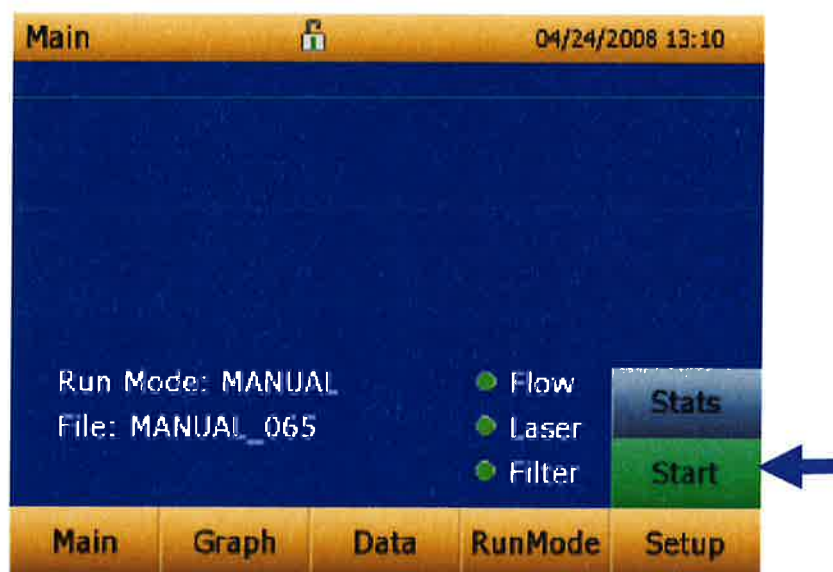
Use Start Date	Use Start Date, option to use programmed start date or by pass programmed start date.
Use Start Time	Use Start Time, option to use programmed start time or bypass programmed start time.

In Log mode, data will be stored to a file named “*LogName_XYZ*” where *LogName* is the user entered log name and *XYZ* is an incrementing integer.

Taking Mass Concentration Measurements

Measurements are started and controlled from the main screen.

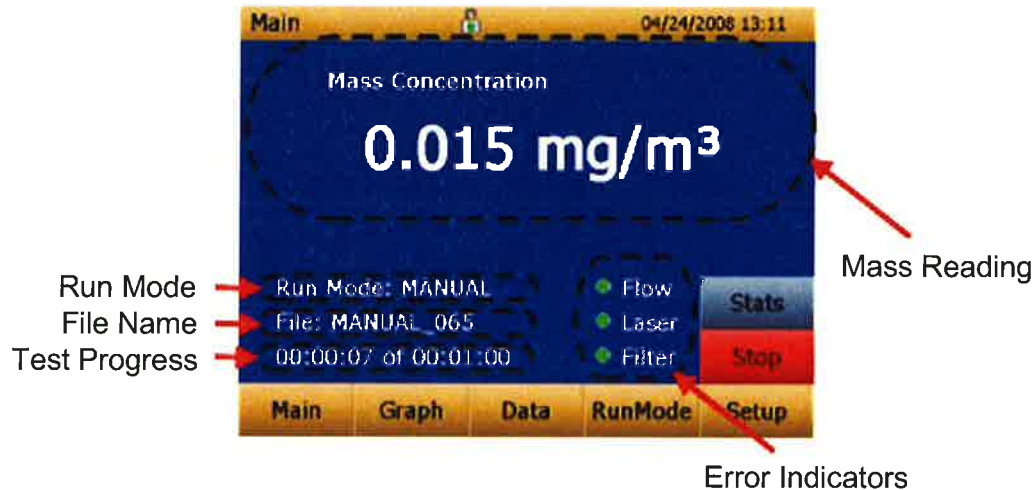
Prior to starting a measurement the instrument should be zeroed from the **Setup** screen and the run mode should be configured and selected from the **RunMode** screen.



When the instrument is on, but not taking any mass measurements the start button will be green and instruments pump will not be running. To start taking a measurement, press the green start button.

While taking a measurement the screen will display the current measured mass concentration. The various regions of the screen are shown below.

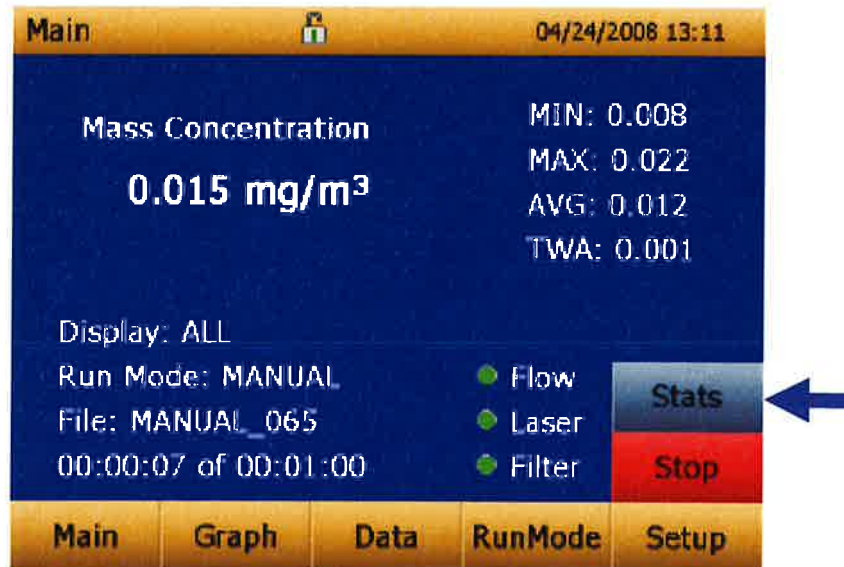
Screen Regions



Mass Reading	Shows the instruments mass measurements.
Run Mode Region	Shows the run mode selected from the RunMode screen.
File Name Region	Displays the file name to which the data is currently being saved.
Test Progress Region	Shows the time-based progress of the test.
Error Indicator Region	Shows the current stats of the instrument STEL: Shows if STEL is in progress (desktop instruments only) Flow: Status of the flow control Laser: Status of the Laser Filter: Status of the Filter See Chapter 5, "Troubleshooting," to resolve any of these error conditions.

Stats

The Stats button will show the statistics of the mass measurement. When the Stats button is pressed, the main mass reading will reduce in font size, and the measurement statistics will show on the right side of the screen.





Graphing

During sampling, pressing the **Graph** button displays current readings in graphical form.

- During Survey Mode, five (5) minutes of running real-time data is displayed graphically.
- During Logging Mode, the entire log test time is displayed on the graph.



<p>Time Display</p>	<p>Pressing the Time x-axis label on the graph screen switches between Time (s), Time (abs), and Time (rel).</p> <p>Time (s): Elapsed time from first logged point (log interval) to the last logged point (test length).</p> <p>Time (rel): Relative time from zero to last logged point (test length – log interval).</p> <p>Time (abs): Absolute time from first logged point (test start + log interval) to last logged point (test stop).</p>
<p>Scale Display</p>	<p>Pressing in the Scale Display area will bring up a dialog that will allow changing between auto scaling and user scaling of the Y-axis.</p> 
<p>Data Region</p>	<p>Pressing the data region will bring up a dialog to show TWA or Average lines.</p>  <p>TWA: Will show a secondary line on the graph showing the time weighted average of the data. This line will not show if test time is less than 15 minutes.</p> <p>Average: Show a secondary line on the graph of the running average of the data.</p>

In Graphing Mode, pressing **Main** returns the instrument to the Main Screen display.

Viewing Data

The **Data** button opens a list of data files for viewing.








Select File	Press the arrows on the right side of the screen to scroll up or down to the data file to be viewed.
Data Statistics	Statistics on the selected file <ul style="list-style-type: none"> ○ File Name ○ Sample Average ○ Sample TWA ○ Sample Maximum Reading ○ Sample Minimum Reading ○ Number of Data Points in the File
Save All Button	Downloads data to a USB thumb drive. USB thumb drive must be attached to the USB host port. Data is saved as a .csv file that can be viewed in Microsoft® Excel® spreadsheet software.
Delete Button	Deletes the currently highlighted file.
Delete All Button	Deletes all the files stored on the instrument.
Graph Button	Data can also be viewed in graphical form by pressing the Graph button while the data file is highlighted.

Title Bar

The Title Bar shows common instrument information.



Current Screen	Title of the current screen that is being displayed.
Instrument Lock	<p>Icon shows if the instrument touchscreen is in an unlocked or locked condition.</p> <p>Unlocked: </p> <p>Locked: </p> <p>To lock the touchscreen controls, touch the “lock” icon, immediately followed by three (3) quick touches on the current screen (Main) word along the top tool bar. Repeat the process to unlock the screen.</p>
Battery Status	<p>Show the current % life of the battery and show if the battery is currently being charged:</p> <p>Charging:  (unfilled portion of the icon filled yellow)</p> <p>Not Charging:  (unfilled portion of the icon transparent)</p>
Date and Time	Indicates the instruments current date and time.
Alarm	If the instrument is in an alarm status, an alarm icon  will appear in the title bar.

Chapter 4

Maintenance

The DUSTTRAK™ II aerosol monitor can be maintained in the field using the instructions below. Additionally, TSI recommends that you return your DUSTTRAK™ II to the factory for annual calibration. For a reasonable fee, we will quickly clean and calibrate the unit and return it to you in “as new” working condition, along with a Certificate of Calibration. This “annual checkup” helps ensure that the DUSTTRAK™ II is always in good operating condition.



WARNING

There are no user-serviceable parts inside this instrument. The instrument should only be opened by TSI or a TSI approved service technician.

Maintenance Schedule

Your DUSTTRAK™ II Aerosol Monitor requires maintenance on a regular basis. Table 4–1 lists the factory recommended maintenance schedule.

Some maintenance items are required each time the DUSTTRAK™ monitor is used or on an annual basis. Other items are scheduled according to how much aerosol is drawn through the instrument. For example, cleaning the inlet sample tube is recommended after 350 hours of sampling a 1 mg/m³ concentration of aerosol. This recommendation should be pro-rated according to how the instrument is used. 350 hours at 1 mg/m³ is the same amount of aerosol as 700 hours at 0.5 mg/m³ or 175 hours at 2 mg/m³, etc.

Table 4–1. Recommended Maintenance Schedule

Item	Frequency
Perform zero check	Before each use.
Clean inlet	350 hr. at 1 mg/m ³ *
Clean 2.5 µm calibration impactor	Before every use.
Replace internal filters	350 hr. at 1 mg/m ³ * or when indicated by the main screen filter error indicator.
Return to factory for cleaning and calibration	Annually

*Pro-rated, see discussion above.

The DUSTTRAK™ monitor keeps track of the accumulated amount of aerosol drawn through it since its last cleaning. When the internal filter replacement is due, the filter error indicator will turn from green to red.

TSI recommends that you perform a zero check prior to each use for the DUSTTRAK™ monitor and certainly before running any extended tests, and after the instrument experiences a significant environmental change. Examples of significant environmental changes would be ambient temperature changes that exceed 15 °F (8 °C) or moving from locations with high aerosol concentrations to low concentrations.

Zeroing Instrument

1. Attach the zero filter to the inlet of the instrument.



Figure 4-1: Attach Zero Filter to Inlet

2. Follow zero calibration instructions detailed in the operations section of this manual.

Cleaning the Inlet

The inlet should be cleaned based on the schedule in Table 4-1.

1. Turn the DUSTTRAK™ monitor off.
2. Unscrew the inlet nozzle from the instrument (Figure 4-2).



Figure 4-2: Unscrew Inlet Nozzle

3. Clean the inlet port. A cotton swab can be used to clean the outside of the inlet port. The swabs can be dampened with water or a light solvent (e.g., isopropanol). The inside of the sample tube can be cleaned using a small brush, along with a light solvent. Dry the tube by blowing it out with compressed air, or let it air-dry thoroughly.

Note

Be *careful* not to blow particles into the DUSTTRAK™ monitor inlet port.



Figure 4-3: Do NOT Blow into Instrument

4. Screw (hand-tighten) inlet back into instrument.

Cleaning and Oiling Impactors

The calibration impactor should be cleaned prior to every use, using it to perform a Standard Calibration (size correction) on the instrument, as described in the [Operations](#) section.

1. Unscrew Impactor. Check O-ring on the impactor base.
2. Clean outside and inside of Impactor and the impactor plate using a clean brush and a light solvent. Dry impactor parts by blowing it out with compressed air, or let it air-dry thoroughly.
3. Apply 2 drops of oil (included) to the impactor plate. Do **not** over-fill impaction plate.



Figure 4-4: Apply 2 Drops of Oil to Impactor Plate

4. Screw (hand-tighten) impactor back together.

Replacing the Internal Filters

The internal filters should be replaced based on the schedule in Table 4–1 or when the filter indicator on the main screen changes to red.

1. Turn the instrument off.
2. Remove old filters from the instrument.

Handheld Model

- a. Use the enclosed filter removal tool (PN 801668) tool to unscrew the two filter caps located on the bottom of the instrument.
- b. Pull the old filters out of the two filter wells. If filter wells are visibly dirty, blow out with compressed air.



Figure 4-5: Pull Filters Out of Two Filter Wells (Handheld Model)

- c. Put two (2) new filters (P/N 801666) into the filter wells and screw filter caps back into place.

Note
Replacement filters were shipped with the new instrument. Additional filters can be ordered from TSI under PN 801666.

Desktop Model

- a. Open filter access door on the back of the instrument.
- b. Use the enclosed filter removal tool (PN 801668) to unscrew filter cap.
- c. Pull out single cylindrical filter from filter well. If filter well is visibly dirty, blow out with compressed air.



Figure 4-6: Pull out Single Cylindrical Filter from Filter Well (Desktop Model)

- d. Put new filter (P/N 801673) back into filter well and screw filter cap back into place.
- e. Open blue retention clip by pinching ends inward and pushing down.



Figure 4-7: Open Blue Retention Clip

- f. Remove 37-mm filter cassette by pulling downward and outward.



Figure 4-8: Remove 37-mm Filter Cassette

- g. Open filter cassette using enclosed tool PN 7001303.

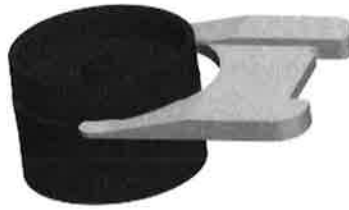


Figure 4-9: Open Filter using Enclosed Tool

- h. Remove screen mesh from filter cassette and blow out using compressed air. Blow in reverse direction to remove captured particulate.
- i. Replace mesh in filter cassette and press halves together. Make sure filter has been fully closed. The filter tool PN 7001303 can be used to ensure the filter is fully closed.



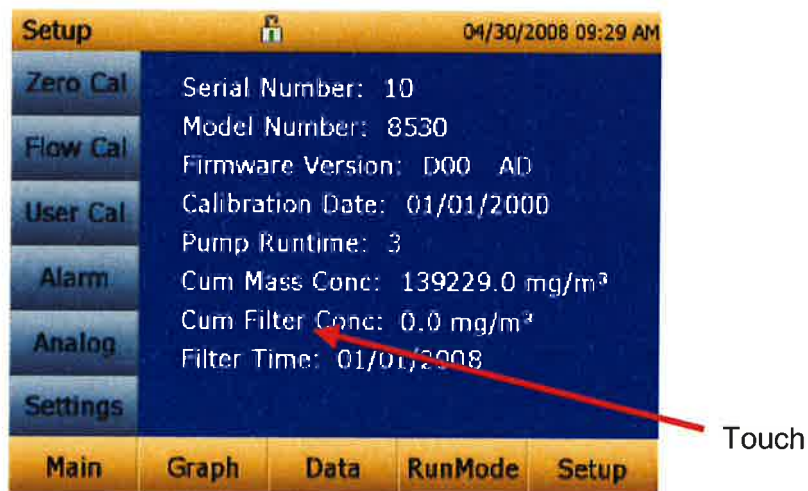
Figure 4-10: Replace Mesh in Filter Holder

- j. Place filter cassette back into position and close blue retaining clip. Make sure retaining clip snaps back into place.

Notes
Replacement filters (HEPA and 3-mm Filter Cassette with mesh filter) were shipped with the new instrument. Additional filters can be ordered from TSI under PN 801673.
TSI does not supply any filter media for the filter cassette. Any commercially available 37-mm filter media may be used with the DUSTTRAK™ II or DRX desktop instruments to collect gravimetric reference samples.

- 3. **It is important to reset the instruments filter counter after replacing filters. Resetting the counter will clear the filter error condition shown on the main screen.** Reset the counters by the following:
 - a. Turn on the instrument.
 - b. Press the **Setup** button to go into the setup screen.

- c. Touch the **Cum Filter Conc:** (live key) to reset the aerosol mass.



- d. *Replace user serviceable filters?* Dialog will appear. Press **OK**.
- e. *Reset filter concentration?* Dialog will appear. Press **Yes** to reset the cumulative filter concentration to zero.
- f. The Setup screen will not show zero for the **Cum Filter Concentration** and the current date for the **Filter Time**.

Storage Precautions

When storing the DUSTTRAK™ monitor for more than 30 days, you should charge and remove the batteries. This prevents damage due to battery leakage.

This instrument must be stored in a location where the temperature remains between -20 and 60°C (-4 and 140°F).

Chapter 5

Troubleshooting

The table below lists the symptoms, possible causes, and recommended solutions for common problems encountered with the DUSTTRAK™ II monitor.

Symptom	Possible Cause	Corrective Action
Erratic zero reading.	Leak. Dirty inlet port and/or sample tube. Internal filter(s) not installed properly (leaking).	Check connections for leaks. Replace zero filter. Clean inlet port. Clean or replace tubing. Inspect internal filter wells to make certain the filters and o-rings are seated properly. Replace internal filters if necessary.
Run Mode Error: The start time has passed	The selected Run Mode program has "Use Start Date" selected, but the start date is prior to the current date.	Correct or change the run mode program
Run Mode Error: The selected log mode will exceed the allowed number of samples	The selected Run Mode program is programmed to save more samples than is room in memory.	Reduce the number of samples by reducing the test length or increasing the logging interval.
Instrument runs slow	Large amount of data in memory	Large data files or many small data files will cause instrument to slow, due to need to read and display large amounts of data.

Symptom	Possible Cause	Corrective Action
No display.	Unit not switched on.	Switch unit on.
	Low or dead batteries.	Recharge the batteries or plug in the AC adapter.
No touch - screen response.	Instrument currently busy	The instrument will take time to open large data files and save configuration information. During this time, the instrument will not respond to additional touchscreen touches.
	Instrument Touchscreen is locked	If the lock in the title bar is red, unlock the instrument following the instructions in the Chapter 3, Operation: Title Bar section of this manual.
Analog output does not work	Cable/connector not correctly installed.	Make sure cable connector is fully seated.
	Output wired with reverse polarity.	Make sure analog out (+) and analog ground (-) are wired correctly to data-logger.
Analog output is not in proportion to display	Analog output range in DUSTTRAK™ monitor may be set incorrectly.	Check analog output setting in the Setup->Analog screen. Make sure the channel of interest is selected. Make sure that the correct output (0 to 5V, 4 to 20 mA) is selected.
	Data logger scaling factor may be set incorrectly.	Review the scaling factor set in the Setup-Analog screen.
Alarm output does not work.	Alarm function not turned on.	Turn the alarm function on in the Settings->Alarm screen.
	Alarm setting incorrect.	Check the alarm settings in the Settings->Alarm screen.
Alarm does not turn on correctly.	Alarm output wired with reverse polarity.	Alarm wires are polarized. Voltage input must be wired to alarm input (+).

Symptom	Possible Cause	Corrective Action
Instrument does not store new data	Memory is full. Instrument is in Survey mode.	Delete or transfer historic data. The instrument does not store data in survey mode. Can to manual or program log mode.
Flow Error is indicated on front screen	If sampling from a duct, instrument may have problems overcoming pressure differences. Flow obstruction. Internal pump failing, indicated by inability to adjust flow rate to full range. Filter Cassette clogged or has mass loading.	Attach both the input and the exhaust port into the duct. Remove obstruction if still present. Press any key to bypass. Factory service may be required. Replace the filter cassette. See the maintenance section of the manual.
Laser Error indicated on front screen	Laser background is too high. Laser is failing	Remove and clean inlet nozzle. Pay close attention to the tip of the nozzle that is inserted into the instrument to ensure it is clear of any contamination. Factory service may be required.
Filter Error indicated on front screen.	Filters need to be replaced	Replaced the filters per instructions in the maintenance section of this manual. Make sure to reset the filter mass and date once the filters have been changed.

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Appendix A

Specifications

Specifications are subject to change without notice.

Sensor Type	90° light scattering
Range	8530 Desktop 0.001 to 400 mg/m ³ 8532 Handheld 0.001 to 150 mg/m ³
Resolution	±0.1% of reading of 0.001 mg/m ³ , whichever is greater
Zero Stability	±0.002 mg/m ³ 24 hours at 10 sec time constant
Particle Size Range	Approximately 0.1 to 10 µm
Flow Rate	3.0 L/min set at factory 1.4 to 3.0 L/min adjustable
Flow Accuracy	±5% factory setpoint Internal flow controlled
Temperature Coefficient	+0.001 mg/m ³ per °C
Operational Temp	0 to 50°C
Storage Temp	-20 to 60°C
Operational Humidity	0-95% RH, non-condensing
Time Constant	Adjustable 1 to 60 seconds
Data Logging	45 days at 1 minute samples
Log Interval	1 second to 1 hour
Physical Size (HWD)	Handheld: 4.9 x 4.75 x 12.45 in. Desktop: 5.3 x 8.5 x 8.8 in.
Weight	Handheld: 2.9 lb, 3.3 lb with battery Desktop: 3.45 lb, 4.45 lb – 1 battery, 5.45 lb – 2 batteries
Communications	8530: USB (Host and Device) and Ethernet. Stored data accessible using thumb drive 8532: USB (Host and Device). Stored data accessible using thumb drive.
Power—AC	AC power adapter included. 115 to 240 VAC

Battery	<p>8530: Up to 2 Removable Li-Ion External and Internal charging Life, 1 battery: >6.5 hours (9 hours typical for a new battery) Life, 2 battery: >13 hours</p> <p>8532: 1 Removable Li-Ion External and Internal charging Life: 6 hours typical</p>
Analog out	<p>8530: User selectable output 0 to 5 V or 4 to 20 mA User selectable scaling</p>
Alarm Out	<p>8530: Relay or sound buzzer Relay No latching MOSFET User selectable set point 5% deadband Connector 4-pin, Mini-DIN connectors</p> <p>8532: Sound buzzer</p>
Screen	<p>8530: 5.7" color touchscreen</p> <p>8532: 3.5" color touchscreen</p>
Gravimetric Sampling	<p>8530: Removable 37-mm Cartridge</p>
EMI/RF Immunity:	<p>Complies with Emissions Directive Standard: EN50081-1:1992</p> <p>Complies with Immunity Directive Standard: EN50082-1:1992*</p>

*ESD Shock may require instrument reboot

Appendix B

Zero Module

The Zero Module (PN 801690) allows for automatic re-zeroing of the DUSTTRAK™ Instrument during long sampling runs. The Zero Module works only with the 8530 desktop model.

The AutoZero module is attached to the main instrument in two steps. The first step is to place the Zero module over the instrument's inlet and press down. The Zero module has an O-ring seal that will engage with the instrument's inlet.

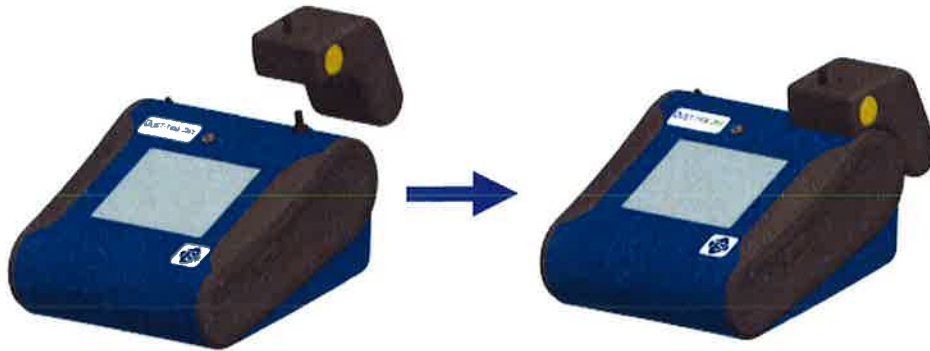


Figure B-1: Place Zero Module Over Inlet and Press Down

The second step is attaching the cable from the Zero module to the Zero module connector located on the back of the instrument.



Figure B-2: Zero Module Connector

The Zero Module can only be used in a program log mode. The Zero module function is controlled through these two program mode options:

Auto Zero Interval	Interval between re-zeroing the instrument using the Auto-Zero accessory.
Use Auto Zero	Select Yes to use the Zero Module. Select No to not use the Zero Module.

Important points on Zero Module operation:

- The Zero module will take one (1) minute to take a zero reading. The first 45 seconds of that period is used to clear the chamber of particles. Readings from last 15 second of the period, when the chamber is cleared of particles, will be averaged to determine the Zero offset.
- The log interval, when the Zero module is activated, must be two (2) minutes or greater. Data will not be recorded to the log file when the Zero module is activated.

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Contact your local TSI Distributor or visit our website www.tsi.com for more detailed specifications.

TABLE 7
Soil Sample Results – PCBs
 NJ Army National Guard
 Newton Armory
 Newton, NJ

Parameter Name	CAS RN	NIJDEP NRDCRS	NIJDEP RDCRS	NIJDEP IGWSSL	Location		mg/kg	mg/kg	mg/kg	mg/kg
					Sample ID	Sample ID				
Aroclor 1216	12874-11-2	NC	NC	NC	MA-SB-163 NA-SB163-0-5-1.0 JC25794-19	MA-SB-165 NA-SB165-0-5-1.0 JC25794-15	MA-SB-169 NA-SB169-0-0-0.5 JC21002-16	MA-SB-174 NA-SB174-0-0-0.5 JC1799-3A	6/11/2016	6/7/2016
Aroclor 1221	11104-28-2	NC	NC	NC	0.019	0.018	0.024	0.021	U	U
Aroclor 1232	11141-46-5	NC	NC	NC	0.019	0.018	0.024	0.021	U	U
Aroclor 1242	59469-21-9	NC	NC	NC	0.019	0.018	0.02	0.018	U	U
Aroclor 1248	12672-29-6	NC	NC	NC	0.027	0.025	0.032	0.028	U	U
Aroclor 1254	11097-69-1	NC	NC	NC	0.027	0.025	0.032	0.028	U	U
Aroclor 1260	11096-82-5	NC	NC	NC	0.019	0.018	0.02	0.018	U	U
Aroclor 1268	11008-14-4	NC	NC	NC	0.019	0.018	0.02	0.018	U	U
Aroclor 1262	37924-23-5	NC	NC	NC	0.027	0.025	0.032	0.029	U	U
Total PCBs	1336-36-1	1	0.2	0.2	ND	ND	ND	ND	U	U

Notes:
 mg/kg - milligrams per kilogram.
 ND = Not Detected.
 Q: Data Qualifier assigned by Laboratory or Data Validator
 U = Not detected at the reporting limit for the sample
 J = Estimated value; see validation report
 R = Repeated result; see validation report
 NC = No Criteria (or standard)
 ~ = Not Analyzed
 IGWSSL - NJDEP Impact to Groundwater Soil Screening Levels per November 2013 Guidance (Version 2.0).
 NRDCRS - NJDEP Non-Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards [N.J.A.C. 7:26D, last amended 9/18/2017]
 RDCRS - NJDEP Residential Direct Contact Soil Remediation Standards per Soil Remediation Standards [N.J.A.C. 7:26D, last amended 9/18/2017]
 Bold denotes detection of compound of concern
 Bold highlighted in Blue denotes detection above the NJDEP default Impact to Groundwater Soil Screening Level (IGWSSL)
 Bold highlighted in Red denotes a detection above the NJDEP Residential Direct Contact Soil Remediation Standard (RDCS)
 Bold highlighted in Green denotes a detection above the NJDEP Non-Residential Direct Contact Soil Remediation Standard