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Education
Energy Utility
Hospitality
Public Sector
Real Estate
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RE: **Former BICC Cables Site**
City of Yonkers, Westchester County, New York
NYSDEC Site No. C360051. BCA Index # W3-1063-05-03
2018 Periodic Review Report (PRR)

Dear Mr. Domaracki:

Paulus, Sokolowski and Sartor Engineering PC (PS&S) was retained by Extell Hudson Waterfront, LLC (Extell) to prepare the attached 2021 Periodic Review Report (PRR) for the Former BICC Cables Site (hereinafter referred to as "the Site"). The Site is identified as New York State Department of Environmental Conservation (NYSDEC) Site No. C360051 and was remediated in accordance with the Brownfield Cleanup Agreement (BCA) Index # W3-1063-05-03.

As detailed in the USEPA Risk Based Approval, dated November 6, 2017 (RB Approval), annual reporting is required as part of the NYSDEC-approved Site Management Plan, dated April 14, 2017 (SMP), and as referenced in the Environmental Easement, which will run with the Site in perpetuity. An annual report (i.e., a PRR) is to be submitted to the United States Environmental Protection Agency (USEPA) Region 2 (and to NYSDEC) beginning one-year post Certificate of Completion (COC), which was issued by NYSDEC on August 18, 2017.

In accordance with the RB Approval, please find attached the 2021 PRR which was prepared for the August 18, 2020 to August 17, 2021 annual reporting period. The PRR contains the information as outlined in Sections 4 and 6 of the SMP, which includes an inspection of the OU-2 (DCU Area 2B) Multi-Layer Sediment Cover System (SCS).

Should you have any questions or require additional information, please call James Boyer at 732-584-0695 or me at 732-584-0437.

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Very truly yours,

Paulus, Sokolowski and Sartor Engineering, PC

Janos M. Szeman

Janos M. Szeman, P. E.Vice PresidentAttachments:

2021 Periodic Review Report, dated October, 2021

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2021 PERIODIC REVIEW REPORT

-FOR-

Former BICC Cables Site

City of Yonkers, New York
NYSDEC Site No. C360051
BCA Index # W3-1063-05-03

Submitted by:

Extell Hudson Waterfront, LLC

525 East County Line Road, Suite 13
Lakewood, New Jersey 08701

2021

Prepared by:

One Larkin Plaza, 2nd Floor
Yonkers, New York 10701

I, Janos M. Szeman, certify that I am currently a New York State licensed Professional Engineer as defined at 6 NYCRR Part 375-1.2(aj) and paragraph 1.3(b)47 and that this Periodic Review Report was prepared in accordance with applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that activities were performed in full accordance with the DER-approved Site Management Plan and any DER-approved modifications.

Date: 10/01/2021 *Signature:* Janos M. Szeman

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EXECUTIVE SUMMARY

Paulus, Sokolowski and Sartor Engineering, PC (PS&S) was retained by Extell Hudson Waterfront, LLC (Extell) to prepare this 2021 Periodic Review Report (PRR) for the Former BICC Cables Site (hereinafter referred to as "the Site"). The Site is identified as New York State Department of Environmental Conservation (NYSDEC) Site No. C360051 and was remediated in accordance with the Brownfield Cleanup Agreement (BCA) Index # W3-1063-05-03.

As noted in the NYSDEC-approved Site Management Plan, dated April 14, 2017 (SMP), a PRR is to be submitted to NYSDEC and the United States Environmental Protection Agency (USEPA) annually beginning one year post-Certificate of Completion (COC), which was issued by NYSDEC on August 18, 2017. This PRR was prepared for the August 18, 2020, to August 17, 2021 annual reporting period (the "Review Period"). This PRR is the fourth progress report for the overall Site and the fifth progress report for the Operable Unit # 2 (OU-2) sediment cover system (SCS).

The purpose of this 2021 PRR is to document ongoing Site management activities associated with the Engineering and Institutional Controls (ECs/ICs) in place at the Site, and to certify that the ECs/ICs are being maintained in accordance with the SMP and the USEPA's Approval for Risk-Based Disposal of Polychlorinated Biphenyl Remediation Waste, dated November 6, 2017 (2017 RB Approval). This 2021 PRR includes documentation, and an assessment of the Monitoring Plan results, Operation and Maintenance (O&M) Plan activities, and certification of ECs/ICs identified in the SMP. Monitoring Plan and O&M activities conducted in this reporting period are summarized in Table 1 below (derived from Table 3.1.1 of the SMP).

On August 26, 2021, PS&S conducted a site-wide inspection and documented the condition of the ECs on-site. PS&S found that ECs were stable and in operational condition. However, during the site-wide inspection, PS&S found that the existing Concrete and Timber Bulkhead on the north side of the property has observable deflection, settlement, and visible cracking on its walls, and that parts of the bulkhead may be unstable. The Project Team continues to monitor this bulkhead and future bulkhead installations are currently being developed in accordance with the NYSDEC, New York State Department of the State (NYSDS), and United States Department of the Army Corps of Engineers (USACE) regulatory decisions. The Northwest Bulkhead timber boardwalk remains damaged as a result of the barge incident which occurred in March 2018.

Table 1: Media Monitoring/Inspection Schedule				
Monitoring Program	**Frequency**	**Matrix**	**Analysis**	**Completion Date**
Groundwater	Semi-annual for minimum of two years	Water	Volatile Organic Compounds (VOCs) and Polychlorinated biphenyls (PCBs)	March 5, and July 1 and 2, 2021
Shoreline Stabilization Measures (Bulkheads and Revetment Stone)	Annual	Sediment and Soil	Visual observation and photo documentation	August 26, 2021
Current Pavement and Concrete Cover Systems (existing Upland Site-wide Cover System)	Annual	Soil	Visual observation and photo documentation	August 26, 2021
Perimeter Controls[1]	Annual	Site-wide	Visual observation and photo documentation	August 26, 2021
Underwater Multi-Layer Sediment Cover System for OU-2 (DCU Area 2B)	Annual Bathymetry and Annual SCS Remote Sensing Cable	Sediment	Visual observation, bathymetric survey, and SCS Remote Sensing Program on an Annual Basis with annual bathymetric surveys	Bathymetry Survey completed on August 26, 2021, DiTest (Smartec) to be completed separately[2]
Future Site Cover Systems	Annual	Soil	Visual observation and photo documentation	August 26, 2021
Operation & Maintenance[3]	Annual	Site ECs	Ongoing Maintenance of Parts of the Asphalt Cover System. Partial Removal or Penetration through the Asphalt Cover System as part of the Buildings C and D Construction Activities	August 26, 2021

1. Table 3. 1..1 of the SMP does not include Perimeter Controls; however, inspection of this control is required in the annual inspection forms provided in the SMP.
2. COVID 19 Pandemic-related delay is discussed in Section 5.2
3. Table 3. 1..1 of the SMP does not include Operation and Maintenance; however, this row has been added to document O&M made to the existing ECs.

Based on the inspection/monitoring conducted during the 2020 – 2021 reporting period, in accordance with the procedures outlined in the SMP Monitoring Plan, PS&S finds the Site to be compliant with the SMP IC/EC Plan, Monitoring Plan, and O&M Plan requirements. ICs/ECs at the Site are in place and functioning in accordance with the Environmental Easement and the 2017 RB Approval.

Maintenance/repairs to the Upland Site-wide Cover System include pothole repairs to the asphalt cover system within the North Yard, as described in Section 6.3. No new material was imported to the Site over the 2020-2021 reporting period.

Groundwater monitoring wells RMW-1 and RMW-2R were decommissioned and abandoned on March 4th, 2021. This abandonment was approved by NYSDEC and performed in accordance with DER-10 requirements. The well abandonment is summarized in detail in Section 6.1.

1.0 INTRODUCTION

PS&S was retained by Extell Hudson Waterfront, LLC (Extell) to prepare this 2021 Periodic Review Report (PRR) for the Former BICC Cables Site (hereinafter referred to as "the Site"). The Site is identified as New York State Department of Environmental Conservation (NYSDEC) Site No. C360051 and was remediated in accordance with the Brownfield Cleanup Agreement (BCA) Index # W3-1063-05-03.

This 2021 PRR was prepared for the August 18, 2020, to August 17, 2021 annual reporting period (the "Review Period"). This 2021 PRR includes documentation and an assessment of the Site Management Plan (SMP), Monitoring Plan results, details on necessary Operation and Maintenance (O&M), and certification of engineering and institutional controls (ECs/ICs) identified in the SMP.

This 2021 PRR was prepared in accordance with Section 6.3(b) of New York State Department of Environmental Conservation (NYSDEC) DER-10, *Technical Guidance for Site Investigation and Remediation,* dated May 3, 2010, the USEPA Approval for Risk-Based Disposal of Polychlorinated Biphenyl Remediation Waste, dated November 6, 2017 (2017 RB Approval), and the NYSDEC-approved SMP, dated April 14, 2017 (SMP) prepared by PS&S.

2.0 SITE BACKGROUND

This section provides general information obtained from the SMP on the setting of the Site. Also, previous land uses, the historical operations performed at the Site, an overview of the regional and local geology, and the hydrogeology of the Site are summarized below.

2.1 Site Location and Description

The Site is situated at One Point Street in the City of Yonkers, Westchester County, New York and was previously identified by the following City of Yonkers Tax Map Block/Lot numbers of Section 2: 2114/17, 2114/20-35, 2620/35, 2620/40, 2625/15, 2625/17, 2625/21, 2625/23, 2630/1, 2630/2, 2630/3, and 2630/10 (refer to Table 1.1.1 of the SMP).

The part of the Site to the west of Metro North Rail line was included in a recent subdivision application that was approved on January 28, 2020. As identified on the attached Figure 5, Overall Site Plan and the following Table 1, the Site includes the revised tax lots within that part of the Environmental Easement (EE) Controlled Property.

TABLE 2– Site Block/Lot and Acreage Summary

Current Parcel Identification	Historical Parcel Identification	Acres	Ownership
Section 2, Block 2620, Lot 4 (Building Tower)	Part of Block 2630, Lot 1	0.843	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620, Lot 3 (Right-of-way/Emergency Access)	Part of Block 2630, Lot 1	0.741	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620, Lot 13 (EPRI Building)	Part of Block 2630, Lot 2	1.491 (0.616 water area)	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620 Admiral Way (Private Street)	Part of Block 2630, Lot 1	0.462	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620, Parcel North of Riverside Drive	Part of Block 2630, Lot 1	0.163	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620 Riverside Drive (Public Street)	Parts of Lots: Block 2630, Lot 1; Block 2630, Lot 10; Block 2625, Lot 23; Block 2625, Lot 21; Block 2625, Lot 17; Block	3.181	*Extell Hudson Waterfront, LLC*

	2625, Lot 15; Block 2620, Lot 40; Block 2620, Lot 35; Block 2620, Lot 36		
Section 2, Block 2620, Lot 5 (Building A)	Part of Block 2630, Lot 1	1.338	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620 Navy Way (North) (Private Street)	Parts of Lots: Block 2630, Lot 1; Block 2625, Lot 23	0.105	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620, Lot 6 (Private Parking Area)	Parts of Lots: Block 2625, Lot 23; Block 2625, Lot 21	0.459	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620, Lot 12 (Waterfront Esplanade/Emergency Access)	Parts of Lots: Block 2630, Lot 1; Block 2625, Lot 23; Block 2625, Lot 21; Block 2625, Lot 17; Block 2625, Lot 15; Block 2620, Lot 40	2.484	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620 Navy Way (South) (Private Street)	Parts of Lots: Block 2625, Lot 21; Block 2625, Lot 17	0.087	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620, Lot 7 (Building B)	Parts of Lots: Block 2625, Lot 17; Block 2625, Lot 15; Block 2620, Lot 40	1.365	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620, Brighton Way (Private Street)	Parts of Lots: Block 2620, Lot 40; Block 2620, Lot 35	0.390	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620, Lot 8 (Building C)	Parts of Lots: Block 2620, Lot 40; Block 2620, Lot 35	1.414	*Extell Hudson Waterfront I, LLC*
Section 2, Block 2620 Morey Way (Private Street)	Parts of Lots: Block 2620, Lot 40; Block 2620, Lot 35	0.286	*Extell Hudson Waterfront, LLC*
Section 2, Block 2620 Block 2620, Lot 9 (Building D)	Parts of Lots: Block 2620,	1.077	*Extell Hudson Waterfront I, LLC*

	Lot 40; Block 2620, Lot 35		
Parcel 1 (Remaining)	Parts of Lots: Block 2620, Lots 1, 35 & 40; Block 2625, Lots 15, 17, 21 & 23; Block 2630, Lots 1, 2, 3 & 10	5.365 (water area)	*Extell Hudson Waterfront, LLC*
Parcel 2 (Remaining)	Block 2630, Lot 1 & 2	1.442 (water area)	*Extell Hudson Waterfront, LLC*
Section 2, Block 2114, Lot 20.35	Block 2114, Lot 20.35	1.088	*Point and Ravine, LLC*
Section 2, Block 2114, Lot 17	Block 2114, Lot 17	0.106	*Point and Ravine, LLC*

The Site measures approximately 21.2 acres (approximately 15.8 acres of upland and 5.4 acres of underwater land). Most of the upland area of the Site (approximately 14.6 acres) is bounded to the north and west by the Hudson River, to the south by a former plastic packaging manufacturing plant, and to the east by the Metro North railroad tracks, a Metropolitan Transportation Authority (MTA) bus depot facility and vacant land. This upland part of the Site is detailed in the SMP as three subdivided soil areas: South Yard, North Yard, and the Demolition/Below Building Area.

The Site also includes an upland area (approximately 1.2 acres) referred to in the SMP as the BICC Parking Lot which is not contiguous with the upland Site area detailed above but is separated from the rest of the Site by the Metro North railroad tracks. The BICC Parking Lot is bounded to the west by the Metro North railroad tracks, to the east by Ravine Avenue, to the north by Point Street, and the south by vacant property owned by the City of Yonkers. The former BICC Parking Lot part of the Site includes the City of Yonkers Tax Map Block/Lot numbers 2114/17 and 2114/35 (formerly designated as Block 2114/Lots 20-35).

The underwater land (the western part of the Site within the Hudson River) contains five Dredge Certification Unit (DCU) Areas: I through V, with DCU Area II subdivided further into 2A, 2B, and 2C (as described in the SMP).

2.2 Geology and Hydrogeology

The Site is developed on historic fill of varying composition and thickness (up to 20 feet beneath the Site's cover system). The historic fill is underlain by native Hudson River Valley overburden which is composed of silts, clays, sands, and gravels with glacial, lacustrine, and marine origins. The underlying bedrock is of Grenville age (approximately

1 billion years ago) crystalline metamorphic rocks and is part of the Fordham Gneiss/Inwood Marble/Manhattan Formation.

The Site's groundwater table is tidally influenced and ranges in depth from 0.5 feet bgs to 13.5 feet bgs with a southwesterly direction of flow towards the Hudson River.

2.3 Historical and Current Land Use and Ownership

An early industrial proprietor of the Site was S.S. Hepworth & Company, a sugar machinery, and tools manufacturer, which occupied the Site from 1886 to 1890. From 1890 to 1915, the India Rubber Percha Insulating Company, a wire and cable manufacturer, operated at the Site, followed by the Habirshaw Wire Company from 1915 to 1930. Habirshaw fabricated paper-insulated, lead-jacketed cables, rubber-insulated and jacketed cables, and armored submarine cables at the facility until 1930, when it was acquired by Phelps Dodge. Phelps Dodge continued manufacturing cables in a similar process at the Site.

During the 1960s, production of the rubber-insulated/jacketed cables and armored submarine cables at the Site was discontinued in favor of cables insulated with polyethylene and ethylene propylene rubber that included the use of highly refined rosins and later refined hydrocarbon oils (e.g., PCBs) as the dielectric fluids to replace the rosins.

Phelps Dodge's ownership lasted until 1984, when the property was acquired by Cablec, which later merged with the BICC Cables Corporation. Cablec/BICC Cables Corporation continued manufacturing Phelps Dodge products until 1996 which then ceased due to declining demand for paper-insulated, lead-jacketed cables.

On October 14, 1998, this Site, previously referred to as the former BICC Cables Corporation Site, was listed on the Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 Superfund Site. BICC Cables Corporation entered into an Administrative Order on Consent (AOC) with NYSDEC on March 17, 2000, to conduct a Remedial Investigation/Feasibility Study (RI/FS). The RI/FS was completed and a Record of Decision (ROD) documenting the selected remedial actions for the Site was issued by NYSDEC in March 2005.

In May 2005, One Point Street. Inc. (OPSI) entered into a Brownfield Cleanup Agreement (BCA) with NYSDEC as a Volunteer under the Brownfield Cleanup Program (BCP) to investigate and remediate the Site. In July 2014, NYSDEC issued a second ROD (OU-2 ROD) to address the Site remedy for DCU Area 2B, defined as Operable Unit # 2 (OU-2). The OU-2 ROD, in conjunction with the July 2014 Amended ROD (AROD) for the BICC Cables Operable Unit No. 1, defines the balance of the Site (all upland areas, and all underwater land areas of the Site other than DCU Area 2B) as Operable Unit #1 (OU-1). The OU-2 ROD established the remedial requirements for DCU Area 2B, which is the Site's underwater land located under the northeast corner of the EPRI Building. In addition

to the OU-2 ROD, the DCU Area 2B was remediated in accordance with the USEPA's Approval for Risk-Based Disposal of Polychlorinated Biphenyl Remediation Waste, dated September 15, 2015 (2015 RB Approval), which also contained conditions for post-remedial monitoring and compliance with the Environmental Easement. The post-remedial obligations of the 2015 RB Approval are now set forth in and required pursuant to the 2017 RB Approval that replaced the 2015 RB Approval.

The Site was remediated in several phases by OPSI (with NYSDEC oversight) between 2005 and 2016. The Site received its Certificate of Completion (COC) from NYSDEC on August 17, 2017. The Site's current environmental conditions are further detailed in Section 3.0 below.

As summarized in Section 2.1 and on Figure 5 and Table 2, the Site is currently subdivided into 15 City of Yonkers tax parcels. Extell purchased the Site parcels west of the Metro North railroad tracks from OPSI on September 29, 2017. Extell has remained the owner of this Site land during this Review Period. This part of the Site contains no structures, other than the former EPRI Building, and the upland area has been used (from 2017 to 2020) for school bus and car valet parking services. Title to the two tax parcels formerly known as the BICC Parking Lot part of the Site (Tax Map Block/Lot numbers 2114/17 and 2114/35) was conveyed to Westchester County and then to Point and Ravine, LLC on June 30, 2021. A Notice of Transfer of Certificate of Completion was recorded in connection with each transfer of title on July 9, 2021, and transmitted to the NYSDEC by letter dated July 13, 2021.

2.4 Anticipated Future Land Use

Current and future Site use requires compliance with the Environmental Easement, the SMP, and the 2017 RB Approval, in perpetuity or until the Environmental Easement (granted to NYSDEC and recorded with the Westchester County Clerk) is extinguished in accordance with the current version of the New York Environmental Conservation Law (ECL) Article 71, Title 36 (Section 71-3605, Environmental Easements).

The Environmental Easement allows for future restricted residential, commercial or industrial uses at the Site, as defined in 6 NYCRR Part 375-1.8. The part of the Site west of the Metro North railroad tracks is also located within the City of Yonkers Alexander Street Urban Renewal Area and is subject to the City of Yonkers Alexander Street Master Plan, approved by City of Yonkers Council in May 2009.

Anticipated future land use of the part of the Site west of the Metro North railroad tracks (currently owned by Extell) is mixed use restricted-residential and commercial development, with public open space, including public access to the waterfront. The future land use of the part of the Site east of the Metro North railroad tracks (currently owned by Point and Ravine, LCC) is anticipated to be restricted-residential.

3.0 CURRENT ENVIRONMENTAL CONDITIONS

The environmental conditions are managed in accordance with the SMP, dated April 14, 2017. As detailed in the SMP, ECs/ICs are installed/implemented at the Site to protect human health and the environment by controlling exposure to remaining contamination (defined in Section 3.1) during redevelopment and future Site use. Compliance with the Environmental Easement, the SMP and implementation of the requirements set forth in the 2017 RB Approval is required in perpetuity or until the Environmental Easement is extinguished. Proper implementation, management and certification of these ECs/ICs is defined in the SMP and the 2017 RB Approval.

3.1 Remaining Contamination

As noted in the SMP, contamination remains on Site in upland soils in the South Yard, North Yard, and the Demolition/Below Building Area, and in the Site's underwater sediments in DCU Area 2B (located under the EPRI Building). The remaining contamination in both upland soils and DCU Area 2B underwater sediments consists most predominantly of PCBs and lead at levels exceeding restricted-residential use Soil Cleanup Objectives (SCOs) as defined in the SMP.

On-Site groundwater contamination consists of VOCs exceeding Effluent Groundwater Limitations (Class GA) and is present because of an upgradient source. Groundwater sampling events have also confirmed that PCBs were detected in groundwater above NY TOG GAs due what is presumed to be an on-site source.

Exposure to remaining contamination at the Site is controlled by ECs/ICs summarized in Section 4.0 of this PRR.

4.0 ENGINEERING & INSTITUTIONAL CONTROLS PLAN COMPLIANCE REPORT

The Engineering and Institutional Control Plan and Compliance Report below provides a description of each EC/IC, its objective, and how performance of the control is evaluated. The IC/EC Certification is discussed in Section 4.3 and is included in Appendix A of this 2021 PRR.

4.1 Engineering Controls

A summary description of each EC, its objective, and how performance of the EC is evaluated is provided in Sections 4.1.1 through 4.1.6.

4.1.1 Upland Site-wide Cover System

Exposure to remaining contamination in upland soils (located in the South Yard, North Yard, and the Demolition/Below Building Area) is prevented by cover system components which consist of either the 6-Inch-Thick Asphalt Pavement Cover System, the 6-Inch-Thick Concrete Cover System, or the 12-Inch-Thick Asphalt Pavement Cover System (together referred to as the "Upland Site-wide Cover System"). The Upland Site-wide Cover System is a permanent control, and the quality and integrity of this system will be inspected at annual intervals (or in the event of an emergency, such as a hurricane, storm, or other event, causing severe conditions that might adversely impact this control) in perpetuity unless the future Site development includes excavation activities that remove the residual contamination, or as otherwise approved by NYSDEC.

As specified in this SMP, if imported fill material or other materials replace components of the current Upland Site-wide Cover System or are placed above the existing Upland Site-wide Cover System during development (e.g., new building foundations, constructed in accordance with the SMP), future Site inspections would then focus on the integrity and performance of such NYSDEC-approved Upland Site-wide Cover System components to confirm that the ECs are functioning as designed.

The Upland Site-wide Cover System may also be replaced during the development of the Site with cover system components of equivalent integrity, in accordance with the SMP. As new permanent Site development Upland Site-wide Cover System components are constructed, the SMP will require modifications to document these changes.

4.1.2 Shoreline Stabilization Measures (Bulkhead and Revetment Stone)

A combination of composite/steel bulkhead systems and revetment stone are present to contain Site historical fill material on the upland part of the Site and prevent erosion of fill into the Hudson River. Bulkhead/Revetment Stone are permanent controls, and the quality and integrity of this system will be inspected at annual intervals (and in the event of an emergency, such as a hurricane, major SMP-

defined storm[s], or other event causing severe conditions that might adversely impact this control) in perpetuity unless the future Site development includes excavation activities that remove the residual upland contamination.

4.1.3 Underwater Multi-Layer Sediment Cover System for OU-2 (DCU Area 2B)

A Multi-Layer Sediment Cover System (Multi-Layer SCS) controls exposure to remaining contamination in the Site's underwater sediments located under the EPRI Building. The Multi-Layer SCS consists of the following five key components: Cushion Layer, Active Treatment and Containment Layer, Ballast Layer, Armor Protection Layer, and Habitat Mitigation Layer. The Multi-Layer SCS also has a fiber optic remote sensing component to monitor the top of the Multi-Layer SCS and to assess the long-term integrity of the Multi-Layer SCS. The Multi-Layer SCS is expected to remain in place in perpetuity and will be inspected at annual intervals (and in the event of an emergency, such as a hurricane, storm, or other event causing severe conditions that might adversely impact this control).

As of the date of this 2021 PRR, three named storm events (Elsa, Henri and Ida) have been documented to have passed near the Site and in the City of Yonkers, Westchester County, New York. These three named storm events resulted in upland, fluvial flooding events; however, no tidal flooding events were reported by the National Weather Service (NWS). Further, PS&S did not observe tidal flooding at the Site during the routine (i.e., weekly) Stormwater Pollution Prevention Plan (SWPPP) site walks. Therefore, the SMP-required post-named storm Sediment Cover System monitoring effort was not necessary for these fluvial only, non-tidal flooding events. The annual Sediment Cover System and Shoreline Stabilization Measure EC observations were performed in August 2021 and these ECs were found to continue to operate in accordance with the SMP as discussed in Sections 5.0 and 6.0.

4.1.4 Perimeter Controls

Site access to the upland part of the Site west of the Metro North railroad tracks is controlled by an 8-foot-tall chain link fence on the northern, eastern, and southern perimeter of the Site. Along the western perimeter, and a part of the northern perimeter, the BICC Site is protected by a natural barrier, the Hudson River. Site access to the upland part of the Site east of the Metro North railroad tracks (i.e., the BICC Parking Lot) is controlled by perimeter fencing to the north, south, east, and west.

The Site's perimeter fencing control may be removed as the Site is developed and the Upland Site-wide Cover System is replaced by new, publicly accessible Site development components, constructed with concrete, asphalt and soil development cover system, in accordance with the SMP.

4.1.5 Groundwater Monitoring Program

Semi-annual groundwater monitoring was originally required from five wells that have been installed on the Site for a minimum of two years after the date of the COC to monitor post-remedial groundwater concentrations. RMW-1 and RMW-2R were decommissioned on March 4, 2021. At the request of the Department, two temporary monitoring wells were installed on June 18-22, 2021, at locations downgradient from RMW-3 and RMW-4 (TW-01 and TW-02). The wells must be protected and replaced as necessary to confirm that the groundwater wells function in the manner specified in the SMP.

4.1.6 Vapor Mitigation Study and/or Systems

A vapor mitigation system (VMS) must be designed and constructed for any buildings on the Site. PS&S has developed a Soil Vapor Mitigation System design for Buildings C & D (Work Plan) and submitted it to NYSDEC for review on June 16, 2021. PS&S has proposed a passive Vapor Management System (VMS), which can be converted to active if determined by NYSDEC and NYSDOH, following the completion of the post-construction SVI investigation. The VMS will be made up of a Sub-Slab Passive Venting System which contains 1-foot-wide by 1-inch-thick TerraVent installed in ¾-inch gravel aggregate under a reinforced concrete slab, and a multi-layer TerraShield.

4.2 Institutional Controls

A series of Institutional Controls is required by the 2005 ROD, 2014 OU-2 ROD, and AROD in order to:

1. Implement, maintain and monitor EC systems;
2. Prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and
3. Limit the use and development of the Site to restricted-residential, commercial, or industrial uses only.

Adherence to the following ICs is required by the Environmental Easement and will be implemented in accordance with the SMP:

1. The Grantor and the Grantor's successors and assigns must comply with the Environmental Easement and the SMP;
2. All ECs must be operated and maintained as specified in the SMP;
3. All ICs and ECs on the Site must be inspected and certified on, at a minimum, an annual basis, or at a frequency and in a manner defined in the SMP if more frequent, in accordance with Part 375-1.8(h)(3);
4. Groundwater and other environmental or public health monitoring must be conducted as defined in the SMP;

5. Data and information pertinent to Site Management for the Controlled Property must be reported in the manner and at the frequency defined in the SMP;
6. On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells as detailed in Section 3.3 of the SMP, must be protected and replaced as necessary to confirm that the groundwater devices function in the manner specified in the SMP;
7. The use and development of the Controlled Property is limited to restricted residential, commercial and industrial uses as defined by Part 375-1.8(g), subject to local zoning laws;
8. The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Westchester County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the NYSDEC;
9. Future activities on the Site that will disturb remaining contaminated material must be conducted in accordance with the SMP;
10. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
11. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy will be performed as defined in the SMP;
12. Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
13. USEPA, its agents, employees, or other authorized representatives may enter the OU-2 Area, and any other location where non-privileged records are stored related to the OU-2 Area, at reasonable times for any purpose authorized by Section 11 of TSCA, 15 U.S.C. §2610;
14. The Controlled Property will not be used for raising livestock or producing animal products for human consumption, and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement;
15. Vegetable gardens and all forms of farming (including dairy and livestock) on the Site property are prohibited unless within the top 2 feet of clean soil cover or above;
16. The potential for vapor intrusion must be evaluated for any buildings developed on the Site in the vapor intrusion area, and any potential impacts that are identified must be mitigated; and,
17. ICs identified in the Environmental Easement may not be discontinued without the Environmental Easement being amended or extinguished.

4.2.1 Excavation Work Plan

The SMP requires that excavation work that will extend through the cover systems or encounter or disturb the remaining contamination, including any modifications or repairs to the existing cover systems, and import of fill to the Site, must be carried

out in compliance with the Excavation Work Plan (EWP). The EWP was updated in July 2021 and subsequently was approved by NYSDEC on August 13, 2021.

Documentation retained as part of EWP compliance (e.g., Community Air Monitoring Plan (CAMP) data, NYSDEC-approved import material quantities/bills of lading, disposal quantities and associated facility acceptance letters and waste characterization data) must be provided to NYSDEC in the PRR.

During the 2020-2021 Reporting Period, no intrusive activity beneath the cover systems occurred; however, disposal activities occurred as discussed below.

Investigation-derived waste (IDW) was generated as part of the semi-annual groundwater monitoring program. During the first semi-annual groundwater sampling event, which took place on March 5, 2021, one 55-gallon drum was filled with purge water from low-flow groundwater sampling and subsequently labeled and stored on site. Following proper waste characterization, the IDW was certified as "non-hazardous" and was disposed of off-Site by ACV Enviro, Inc to Cycle Chem, Inc of Elizabeth, NJ. Drum disposal was completed on March 11, 2021.

During the second semi-annual groundwater sampling event, which took place on July 1 and 2nd, 2021, one 55-gallon drum was filled with purge water from low-flow groundwater sampling and subsequently labeled and stored on site. Following proper waste characterization, the IDW was certified as "non-hazardous" and was disposed of off-Site by AWT Environmental Services. Drum disposal was completed on August 17, 2021. Documentation related to these activities, such as material estimates and manifests, is attached to this 2021 PRR as Appendix E.

Further, no imported fill material activities have occurred during the 2020-2021 Reporting Period.

4.2.2 Esplanade Development

A future esplanade is planned in association with the future redevelopment of the Site. In the event future work in the underwater land will impact the Multi-Layer SCS, the work must be coordinated with the NYSDEC Project Manager and USEPA.

No Site activities that would trigger the requirements of the Esplanade Development have occurred during this Review Period.

4.2.3 DCU Area IV-N and Area II 2A2

Replacement of the building slab that was previously over DCU Area IV-N (the area immediately east of the EPRI Building) and a part of DCU Area II 2A2 (the area immediately north of the EPRI Building) may be undertaken during

redevelopment. This effort may include installation of supporting piles and/or replacement of existing piles. Work in these designated areas must be completed in accordance with the requirements of the SMP.

No Site activities that would trigger the requirements of these areas occurred during this Review Period.

4.3 Engineering and Institutional Control Compliance and Certification

An engineering assessment and certification of Site ECs/ICs detailed above is required to certify the IC/ECs. As required, a Professional Engineer licensed to practice in New York State has prepared and signed the NYSDEC PRR IC/EC Certification Form, which was provided by NYSDEC as Enclosure 2 within the Reminder Notice: Site Management PRR and IC/EC Certification Submittal Letter, dated November 5, 2018 (Reminder Notice). A copy of the Reminder Notice and the completed IC/EC Certification Form is provided as Appendix A.

5.0 MONITORING PLAN COMPLIANCE REPORT

The SMP Monitoring Plan describes the procedures for evaluating the performance and effectiveness of the Site's implemented ICs/ECs (detailed above). The SMP Monitoring Plan also provided details for preparing the necessary reports for the various monitoring/inspection activities. In accordance with the SMP Monitoring Plan, PS&S performed the required inspection and monitoring activities for the August 18, 2020 to August 17, 2021 annual reporting period on the dates and as summarized in Table 1 below (derived from Table 3.1.1 of the SMP).

Table 1: Media Monitoring/Inspection Schedule

Monitoring Program	Frequency	Matrix	Analysis	Completion Date
Groundwater	Semi-annual for minimum of two years	Water	Volatile Organic Compounds (VOCs) and Polychlorinated biphenyls (PCBs)	March 5, and July 1 and July 2, 2021
Shoreline Stabilization Measures (Bulkheads and Revetment Stone)	Annual	Sediment and Soil	Visual observation and photo documentation	August 26, 2021
Current Pavement and Concrete Cover Systems (existing Upland Site-wide Cover System)	Annual	Soil	Visual observation and photo documentation	August 26, 2021
Perimeter Controls[1]	Annual	Site-wide	Visual observation and photo documentation	August 26, 2021
Underwater Multi-Layer Sediment Cover System for OU-2 (DCU Area 2B)	Annual Bathymetry and Annual SCS Remote Sensing Cable	Sediment	Visual observation, bathymetric survey, and SCS Remote Sensing Program on an Annual Basis with annual bathymetric surveys	Bathymetry Survey completed on August 26, 2021, DiTest (Smartec) to be completed separately[2]
Future Site Cover Systems	Annual	Soil	Visual observation and photo documentation	August 26, 2021
Operation & Maintenance[3]	Annual	Site ECs	N/A	August 26, 2021

1. Table 3.1.1 of the SMP does not include Perimeter Controls; however, inspection of this control is required in the annual inspection forms provided in the SMP.
2. Covid-related delay is discussed in Section 5.2.
3. Table 3.1.1 of the SMP does not include Operation and Maintenance; however, this row has been added to document O&M made to the existing ECs.

5.1 Site-Wide Comprehensive Inspection

A Site-wide comprehensive inspection was conducted by PS&S on August 26, 2021 to visually evaluate the performance and effectiveness of the Shoreline Stabilization Measures, Upland Site-wide Cover System, Perimeter Controls, and the condition of NYSDEC-approved fill materials imported and placed above the Upland Site-wide Cover System, that will be incorporated into the Upland Site-wide Cover System during Site development (i.e., Future Site Cover Systems). Site-wide inspection forms (derived from Attachment 19 of the SMP) and photographs are included in Appendix B.

During the Site-wide comprehensive inspection, PS&S documented several areas where the Upland Site-wide Cover System was found to have eroded or been damaged (e.g., sinkholes and potholes). Damaged areas appear to consist of holes and knocked over portions of perimeter fencing, as well as some areas of cracked pavement and/or poor drainage. Maintenance/repairs to the Upland Site-wide Cover System have been performed and are further discussed in Section 6.0.

On August 26, 2021 PS&S documented that the Northwest Bulkhead timber boardwalk cap remained damaged (e.g., ripping and splintering) from the March 2, 2018 emergency event. This event was previously documented with NYSDEC on March 5, 2018 and was detailed in the October 16, 2018 and October 15, 2020 PRRs. On August 26, 2021, PS&S observed the Northwest Bulkhead steel sheet piles and associated tie back rod bolts and concluded that the damaged timber boardwalk cap has not impacted the structural integrity of the Northwest Bulkhead. The Northwest Bulkhead was observed to be in good condition and continues to adequately perform as the waterfront stabilization measure EC. The adjacent Asphalt Pavement Cover System EC was also observed in stable condition. Photographs are provided in Appendix B.

The existing Northwest Bulkhead will be replaced with the NYSDEC-, NYSDS-, and NYSDOH-approved steel bulkhead system as part of this Site redevelopment project. This steel bulkhead system will be constructed in the future phase of this Site redevelopment project in accordance with NYSDEC permit IDs 3-5518-00067/00014, 3-5518-00067/00015 and 3-5518-00067/00016.

On August 26, 2021, PS&S observed the existing Concrete and Timber Bulkhead and concluded that the bulkhead has observed deflection, settlement, and visible cracking on its walls, and part of the concrete bulkhead may be unstable. The Project Team continues to monitor this Concrete and Timber Bulkhead and the bulkhead replacement installation will occur as part of a future phase of the Site redevelopment construction. At this time, access to the Concrete and Timber Bulkhead is constrained by imported fill material stockpiles. The existing Concrete and Timber Bulkhead will be replaced with the same, consistent steel sheet pile bulkhead that will replace the Northwest Bulkhead. This Concrete and Timber Bulkhead system replacement will replaced in the future phase of this Site redevelopment project in accordance with NYSDEC permit IDs 3-5518-00067/00014, 3-5518-00067/00015 and 3-5518-00067/00016.

As further discussed in Section 7.0, the Project Team will perform Concrete and Timber Bulkhead observations on a weekly basis as part of the routine SWPPP site walks and any changes in conditions will be noted and addressed, as necessary. In addition, the Project Team will evaluate interim mitigation measures as appropriate.

5.2 Multi-Layer SCS Fiber Optic Remote Sensing Program and Bathymetric Survey

PS&S conducted a bathymetric survey of the Multi-Layer SCS on August 26, 2021 in accordance with the SMP and 2017 RB Approval inspection requirements. The bathymetric observations indicated minimal differential settlement of the Multi-Layer SCS. Bathymetric survey results are provided as Appendix C. An analysis of the fiber optic remote sensing component of the Multi-Layer SCS was not completed as part of this PRR due to COVID-19 Pandemic-related delays. The fiber optic sensor vendor (RocTest[i]) was not able to mobilize due to the COVID-19 Pandemic US border closings during this annual reporting period. PS&S received approval to omit the RocTest survey from this PRR from NYSDEC on August 24, 2021, with the stipulation that the Multi-Layer SCS remote sensing survey can be submitted under separate cover.

No significant storm events occurred during the 2020-2021 reporting period; therefore, no storm event SMP Multi-Layer SCS monitoring was required.

5.3 Groundwater Monitoring Program

Semi-annual groundwater monitoring was completed by PS&S during this reporting period on March 5th (7th round) and July 1 and July 2, 2021 (8th round). The results of the Groundwater Monitoring Program activities are provided as Appendix D.

Two of the original five SMP groundwater monitoring wells (RMW-3, RMW-4) were sampled during the first semi-annual 2021 sampling event (March 5, 2021), in accordance with SMP protocol, as modified with NYSDEC approval to decommission RMW-1 and RMW-2R on March 4, 2021. At the request of NYSDEC, two temporary monitoring wells were installed on June 22, 2021, at locations downgradient from RMW-3 and RMW-4 (TW-01 and TW-02).

PCBs were detected above NY TOGS GA in RMW-3 during the 7th round of sampling. Aroclor 1242 and Aroclor 1260 were detected above their NY TOGS GAs (0.09 µg/L) at 0.514 µg/L and 0.389 µg/L, respectively. However, no results from the 8th round of sampling reported any exceedances from RMW-3.

While no results from the 7th round of sampling reported any exceedances from RMW-4, PCBs were detected above NY TOGS GA in RMW-4 during the 8th round of sampling. Aroclor 1260 and Aroclor 1268 were detected above their NY TOGS Gas (0.09 ug/L) at 0.158 ug/L and 0.16 ug/L, respectively.

TW-02 was sampled for the first time during the 8th round of sampling and both VOCs and PCBs were detected above NY TOGS GA. Benzene and Toluene were detected above their NY TOGS GAs (1 µg/L and 5 µg/L respectively) at 4.7 µg/L and 7 µg/L, respectively. A duplicate sample was collected from TW-02 which yielded exceedances of Benzene and Toluene at 6.6 µg/L and 8.5 µg/L respectively. Aroclor 1260 and Aroclor

1268 were detected above their NY TOGS GAs (0.09 µg/L) at 0.291 µg/L and 0.358 µg/L, respectively. A duplicate sample was collected from TW-02 which yielded exceedances of Aroclor 1260 and Aroclor 1268 at 0.113 µg/L and 0.105 µg/L respectively.

PCB concentration results from the filtered (dissolved) samples were reported as non-detected, showing that the PCBs are not in the dissolved phase and only occur as suspended solids. Migration of PCBs down-gradient and off Site is not likely, as shown in the negative filtered PCB results in TW-01 and TW-02.

PS&S will use the next round of semi-annual groundwater sampling to better evaluate the trend of PCBs in RMW-3 and RMW-4 as well as VOCs and PCBs in TW-02.

PS&S concludes that the Site's implemented ICs/ECs remain effective in protecting public health and the environment from remaining contamination.

6.0 OPERATION AND MAINTENANCE (O&M) COMPLIANCE REPORT

The SMP O&M Plan describes the procedures for operating mechanical components and maintaining the integrity of the Site's ICs/ECs. Please note that management of the Site does not currently rely on any mechanical systems; therefore, this section pertains solely to maintenance performed on ECs during this reporting period.

6.1 RMW-1 and RMW-2R Groundwater Monitoring Decommissioning

PS&S received approval to abandon and decommission well RMW-1 and RMW-2R from NYSDEC on February 10, 2021, in accordance with DER-10 requirements. Monitoring well decommissioning was completed on March 4, 2021 and consisted of digging up and removing the PVC well screen, then filling the remaining well with a bentonite/concrete mix. The well was filled to ground surface and raked over with gravel. RMW-1 and RMW-2R will no longer be included in sampling events. Monitoring well decommissioning records and documentation are provided in Appendix D.

6.2 TW-01 and TW-02 Temporary Well Installation

PS&S observed an increasing PCB concentration trend in monitoring well RMW-3 in the August 2020 and March 2021 semi-annual groundwater sampling events. To assess if PCBs are present down-gradient of RMW-3 and RMW-4 and not migrating off-site, PS&S installed two temporary wells in June 2021. Documentation related to the installation of the temporary wells, such as well construction logs and well locations, is attached to this 2021 PRR as Appendix F. PS&S will collect groundwater samples for both filtered (dissolved) and unfiltered (total) analysis of PCBs semi-annually for a period of one year in accordance with the BICC SMP Groundwater Sampling Plan.

The two temporary wells were installed using a track-mounted Geoprobe and a combination of direct-push and hollow stem auger drilling. They were constructed as unconsolidated type wells using 2-inch-diameter wells materials and pre-pack well screens to depths of 29 feet below ground surface (bgs). Pre-pack well screens were used with a 10 slot and appropriate filter pack in stainless steel sleeve mesh surrounding the well screen interval. The well casing of these temporary monitoring wells will need to be extended upwards over time as site grades will increase with construction over the next two years. After construction, these two wells were developed by over-pumping and all development water and soil cuttings were drummed for off-site disposal with direct oversight by the QEP. Field procedures were in accordance with the SMP Groundwater Monitoring Work Plan and Excavation Work Plan.

6.3 Upland Site-Wide Cover System Repairs

PS&S observed several areas where the Upland Site-wide Cover System was exhibiting signs of wear and tear (e.g., sinkholes, potholes, surface abrasion) during the Site-wide comprehensive inspection. Maintenance/repairs to the Upland Site-wide Cover System

were performed by the Site property manager on September 23, 2021. These repairs to the Upland Site-wide Cover System included pothole repairs to the asphalt cover system within the North Yard and the Below Buildings Area and were inspected by PS&S on September 23, 2021, and found to meet the SMP Cover System requirements.

6.4 South Yard Changes

The South Yard is no longer being used for school bus and car valet parking services and as a result the South Yard is more open for survey and inspection. No staining or damage has been observed in this area. Photographs from a Site inspection on August 26, 2021, are provided in Appendix B.

7.0 CONCLUSIONS

This PRR was developed in accordance with Section 6.3(b) of New York State Department of Environmental Conservation (NYSDEC) DER-10, *Technical Guidance for Site Investigation and Remediation,* dated May 3, 2010, and the SMP dated April 14, 2017.

PS&S concludes that the Site is compliant with the SMP IC/EC Plan, Monitoring Plan, and O&M Plan requirements, based on the inspection/monitoring conducted during this reporting period. ICs/ECs at the Site are in place and functioning in accordance with the Environmental Easement and the 2017 RB Approval.

As noted in Section 5.1, PS&S documented several areas where the Upland Site-wide Cover System was exhibiting signs of wear and tear (e.g., sinkholes, potholes, surface abrasion) that were repaired, as described in Section 6.3. Photographs are provided in Appendix B.

PS&S documented that the Northwest Bulkhead timber boardwalk cap remained damaged (e.g., ripping and splintering) from the March 2, 2018, emergency event. It is anticipated that the existing Northwest Bulkhead will be replaced with a steel sheet pile bulkhead during the phased Site project redevelopment. PS&S observed and documented the existing Concrete and Timber Bulkhead and concluded that the bulkhead has observable deflection, settlement, and visible cracking on its walls, and that limited parts of the bulkhead are unstable. PS&S will continue to monitor the condition of the bulkheads to confirm their continued efficacy as the intended ECs. Specifically, the Concrete and Timber Bulkhead will be monitored on a weekly basis as part of the routine SWPPP site walks and any changes in conditions will be addressed, as appropriate. In addition, the Project Team will evaluate interim mitigation measures as appropriate.

Monitoring Wells RMW-1 and RMW-2R have been decommissioned and have been removed from the sampling program. Two temporary wells were installed on the site to assess if PCBs are present down-gradient of RMW-3 and RMW-4 and not migrating off Site. PCBs were detected above NY TOGS GA in RMW-3 during the 7th round of sampling and in RMW-4 during the 8th round of sampling. TW-02 was sampled for the first time during the 8th round of sampling and while both VOCs and PCBs were detected above NY TOGS GA, no PCBs were detected in any filtered samples. It was recommended that semi-annual sampling continue at RMW-3, RMW-4, TW-01, and TW-02.

No other corrective measures are proposed and no additional changes to the SMP are recommended at this time.

[i] RocTest is the United States based supplier for the Smartec fiber optic monitoring system. Smartec owns and rents their DiTest fiber optic cable sensor/reader to RocTest.

Appendix A

IC-EC CERTIFICATION FORM

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

7/23/2018

Abba Barnett
Extell Hudson Waterfront LLC
c/o Extell Development Company
805 Third Avenue 7th Floor
New York, NY 10022

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: BICC Cables
Site No.: C360051
Site Address: 1 Point Street
Yonkers, NY 10701

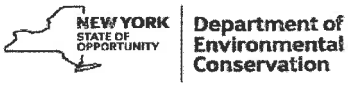
Dear Abba Barnett:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **January 17, 2019**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Qualified Environmental Professional (QEP). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.


NEW YORK
STATE OF
OPPORTUNITY
Department of
Environmental
Conservation

All site-related documents and data, including the PRR, are to be submitted in electronic format to the Department of Environmental Conservation. The Department will not approve the PRR unless all documents and data generated in support of that report have been submitted in accordance with the electronic submissions protocol. In addition, the certification forms are required to be submitted in both paper and electronic formats.

Information on the format of the data submissions can be found at:
http://www.dec.ny.gov/regulations/2586.html

The signed certification forms should be sent to Matthew Hubicki, Project Manager, at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, NY 12233-7014

Phone number: 518-402-9605. E-mail: matthew.hubicki@dec.ny.gov

The contact information above is also provided so that you may notify the project manager about upcoming inspections, or for any other questions or concerns that may arise in regard to the site.

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

One Point Street, Inc.
734-6 Broadway Mezz LLC

ec: w/ enclosures
Matthew Hubicki, Project Manager
David Crosby, Section Chief
Anand Patel, Hazarouds Waste Remediation Engineer, Region 3

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7)**:**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C360051**

Site Name BICC Cables

Site Address: 1 Point Street Zip Code: 10701
City/Town: Yonkers
County: Westchester
Site Acreage: 21.2

Reporting Period: August 18, ~~2017 to December 18, 2018~~ 2020 August 17 2021

	YES	NO
1. Is the information above correct? See notes in red above, and note on Page 44. If NO, include handwritten above or on a separate sheet.	☐	☒
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☒	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☒	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____	_____
Signature of Owner, Remedial Party or Designated Representative	Date

	Box 2A	
	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C360051	**Box 3**
Description of Institutional Controls	

Parcel	Owner	Institutional Control
2-2114-17	One Point Street, Inc.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within
the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products
for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2114-20 One Point Street, Inc.

Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Ground Water Use Restriction

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

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Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2114-21 One Point Street, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and

soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

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Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2114-22 One Point Street, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

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Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

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Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

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Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

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for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within
the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products
for human consumption;

The ECs may not be discontinued without an amendment or extinguishment
of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2114-24 One Point Street, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

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Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2114-25 One Point Street, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

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must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

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2-2114-26 One Point Street, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be

reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

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for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

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NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2114-27 One Point Street, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

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Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

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Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

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for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

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2-2114-29 One Point Street, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to

determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2114-30 One Point Street, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted

in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2114-31 One Point Street, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2114-32 One Point Street, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within
the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products
for human consumption;

The ECs may not be discontinued without an amendment or extinguishment
of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within
the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products
for human consumption;

The ECs may not be discontinued without an amendment or extinguishment

of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2114-34 One Point Street, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2114-35 One Point Street, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified

in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within
the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products
for human consumption;

The ECs may not be discontinued without an amendment or extinguishment
of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2620-35 Extell Hudson Waterfront LLC c/o Extell

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2620-40 Extell Hudson Waterfront LLC c/o Extell

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within
the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products
for human consumption;

The ECs may not be discontinued without an amendment or extinguishment
of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the

continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2625-15 Extell Hudson Waterfront LLC c/o Extell

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

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Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within
the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products

for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2625-17 Extell Hudson Waterfront LLC c/o Extell

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines

for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2625-21 Extell Hudson Waterfront LLC c/o Extell

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and

soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2625-23 Extell Hudson Waterfront LLC c/o Extell

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2630-10 Extell Hudson Waterfront LLC c/o Extell

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within
the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2630-2 Extell Hudson Waterfront LLC c/o Extell

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work,

must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines
for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2-2630-3 Extell Hudson Waterfront LLC c/o Extell

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

Allow the use and development of the controlled property for restricted residential, commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

Restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH;

Groundwater monitoring and other environmental or public health monitoring must be performed as defined in this SMP;

Require compliance with the Department approved Site Management Plan;

The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;

Data and information pertinent to Site Management for the Controlled Property (i.e., the Site) must be

reported at the frequency and in a manner defined in this SMP;

On-Site environmental monitoring devices, including but not limited to groundwater monitoring wells and soil vapor probes as well as the required annual OU-2 Area SCS monitoring and reporting program, must be protected and replaced as necessary to confirm that the ECs continue to function in the manner specified in this SMP;

All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Soil Management Plan (Soil MP) part of the Excavation Work Plan (refer to SMP Attachment 13,) for any soils excavated in accordance with Section 2.3 of this SMP;

Any breach of the upland area Site cover system(s), including for purposes of construction or utilities work, must be replaced or repaired according to the Excavation Work Plan. Site soil excavated and removed from the Site must be managed, characterized, and properly disposed of in accordance with the NYSDEC regulations and directives and Excavation Work Plan. Guidelines for management of subsurface soils/fill and long-term maintenance of the upland area Site cover systems are provided in the Excavation Work Plan (refer to SMP Attachment 13);

Any breach of the OU-2 Area SCS after an emergency, such as a hurricane, storm, or other event, recorded by the SCS Remote Sensing Program will require sampling in the vicinity of the breach to determine if PCBs have escaped from the breached area and the OU-2 Area SCS.

Vegetable gardens and farming on the property are prohibited unless within the top 2 feet of clean Soil Cover System or above;

The Site shall not be used for raising livestock or producing animal products for human consumption;

The ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement;

The Site owner or remedial party will submit to NYSDEC a written statement that certifies on an annual basis, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP;

NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
2-2114-17	Cover System Fencing/Access Control Monitoring Wells

Upland Site-wide Cover System Engineered Cap;

6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

Parcel	Engineering Control
2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.	
2-2114-20	Cover System Monitoring Wells Fencing/Access Control
Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.	
2-2114-21	Cover System Fencing/Access Control Monitoring Wells
Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.	
2-2114-22	Cover System Fencing/Access Control Monitoring Wells
Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;	

Parcel Engineering Control

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

2' thick Soil Cover over all other unremediated areas per 2005 ROD;

composite and steel bulkheads inspected and maintained;

Engineered Multilayer Sediment Cover System (OU-2 SCS);

Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.

2-2114-23

Cover System
Fencing/Access Control
Monitoring Wells

Upland Site-wide Cover System Engineered Cap;

6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

2' thick Soil Cover over all other unremediated areas per 2005 ROD;

composite and steel bulkheads inspected and maintained;

Engineered Multilayer Sediment Cover System (OU-2 SCS);

Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.

2-2114-24

Cover System
Fencing/Access Control
Monitoring Wells

Upland Site-wide Cover System Engineered Cap;

6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

2' thick Soil Cover over all other unremediated areas per 2005 ROD;

composite and steel bulkheads inspected and maintained;

Engineered Multilayer Sediment Cover System (OU-2 SCS);

Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.

2-2114-25

Cover System
Fencing/Access Control
Monitoring Wells

Parcel	Engineering Control
Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.	
2-2114-26	Cover System Fencing/Access Control Monitoring Wells
Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.	
2-2114-27	Cover System Fencing/Access Control Monitoring Wells
Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.	

Parcel	Engineering Control
2-2114-28	Cover System Fencing/Access Control Monitoring Wells

Upland Site-wide Cover System Engineered Cap;

6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

2' thick Soil Cover over all other unremediated areas per 2005 ROD;

composite and steel bulkheads inspected and maintained;

Engineered Multilayer Sediment Cover System (OU-2 SCS);

Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.

2-2114-29

~~Vapor Mitigation~~
Cover System
Fencing/Access Control
Monitoring Wells

Upland Site-wide Cover System Engineered Cap;

6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

2' thick Soil Cover over all other unremediated areas per 2005 ROD;

composite and steel bulkheads inspected and maintained;

Engineered Multilayer Sediment Cover System (OU-2 SCS);

Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.

2-2114-30

Cover System
Fencing/Access Control
Monitoring Wells

Upland Site-wide Cover System Engineered Cap;

6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

2' thick Soil Cover over all other unremediated areas per 2005 ROD;

composite and steel bulkheads inspected and maintained;

Parcel	Engineering Control
	Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.
2-2114-31	Cover System Fencing/Access Control Monitoring Wells
	Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.
2-2114-32	Cover System Fencing/Access Control Monitoring Wells
	Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.
2-2114-33	Cover System Fencing/Access Control Monitoring Wells
	Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

Parcel	Engineering Control
2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.	
2-2114-34	Cover System Fencing/Access Control Monitoring Wells
Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.	
2-2114-35	Cover System Fencing/Access Control Monitoring Wells
Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.	
2-2620-35	Cover System Fencing/Access Control Monitoring Wells
Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;	

Parcel	Engineering Control
	12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.
2-2620-40	Cover System Fencing/Access Control Monitoring Wells Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.
2-2625-15	Cover System Fencing/Access Control Monitoring Wells Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.
2-2625-17	Cover System Fencing/Access Control

Parcel	Engineering Control
	Monitoring Wells

Upland Site-wide Cover System Engineered Cap;

6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

2' thick Soil Cover over all other unremediated areas per 2005 ROD;

composite and steel bulkheads inspected and maintained;

Engineered Multilayer Sediment Cover System (OU-2 SCS);

Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.

2-2625-21

Cover System
Fencing/Access Control
Monitoring Wells

Upland Site-wide Cover System Engineered Cap;

6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

2' thick Soil Cover over all other unremediated areas per 2005 ROD;

composite and steel bulkheads inspected and maintained;

Engineered Multilayer Sediment Cover System (OU-2 SCS);

Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.

2-2625-23

Cover System
Fencing/Access Control
Monitoring Wells

Upland Site-wide Cover System Engineered Cap;

6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

2' thick Soil Cover over all other unremediated areas per 2005 ROD;

composite and steel bulkheads inspected and maintained;

Engineered Multilayer Sediment Cover System (OU-2 SCS);

Steel chain-link fencing to restrict access to the Site and open water areas until Site development

Parcel	Engineering Control
occurs.	
2-2630-1	Cover System Fencing/Access Control Monitoring Wells

Upland Site-wide Cover System Engineered Cap;

6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

2' thick Soil Cover over all other unremediated areas per 2005 ROD;

composite and steel bulkheads inspected and maintained;

Engineered Multilayer Sediment Cover System (OU-2 SCS);

Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.

2-2630-10	Cover System Fencing/Access Control Monitoring Wells

Upland Site-wide Cover System Engineered Cap;

6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

2' thick Soil Cover over all other unremediated areas per 2005 ROD;

composite and steel bulkheads inspected and maintained;

Engineered Multilayer Sediment Cover System (OU-2 SCS);

Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.

2-2630-2	Cover System Fencing/Access Control Monitoring Wells

Upland Site-wide Cover System Engineered Cap;

6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System;

12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area;

2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas;

2' thick Soil Cover over all other unremediated areas per 2005 ROD;

composite and steel bulkheads inspected and maintained;

Parcel	Engineering Control
Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs. **2-2630-3**	Cover System Fencing/Access Control Monitoring Wells
Upland Site-wide Cover System Engineered Cap; 6-Inch-Thick Asphalt Pavement Cover System and Concrete Pavement System; 12-Inch-Thick Asphalt Pavement Cover System for the North Yard Area; 2' thick Soil Cover System over demarcation layer for Vegetated or Unpaved Areas; 2' thick Soil Cover over all other unremediated areas per 2005 ROD; composite and steel bulkheads inspected and maintained; Engineered Multilayer Sediment Cover System (OU-2 SCS); Steel chain-link fencing to restrict access to the Site and open water areas until Site development occurs.	

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C360051

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Moshe Botnick (print name) at Extell Hudson Waterfront, LLC (print business address),

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Moshe Botnick (Oct 1, 2021 15:21 EDT)

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

Oct 1, 2021

Date

IC/EC CERTIFICATIONS

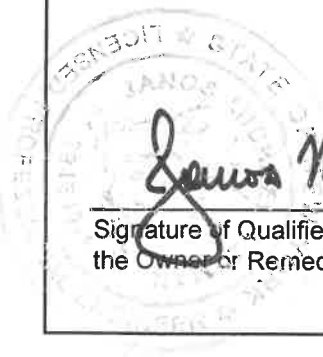
Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Janos M. Szeman (print name) at One Larkin Plaza, 2nd Floor, Yonkers, New York 10701 (print business address)

am certifying as a Qualified Environmental Professional for the Extell Hudson Waterfront, LLC (Owner or Remedial Party)



Janos M. Szeman

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

1 October 2021

Date

Appendix B

SITE WIDE INSPECTIONS FORMS AND PHOTOLOGS

Attachment 12

Site-Wide Inspection Form and Checklists

Table A7.1 – Existing Bulkheads
Site-Wide Inspection Form
Site-Wide Inspection Form - South Yard Area
Site-Wide Inspection Form - North Yard Area
Site-Wide Inspection Form - OU-2 (DCU Area 2B) Sediment Cover System
Site-Wide Inspection Form - Demolition/Below Building Area Site-Wide Inspection Form - BICC Parking Lot
Site-Wide Inspection Form - Site-Wide Features

TABLE A7.1 – EXISTING BULKHEADS		
EXISTING BULKHEAD	MATERIAL OF CONSTRUCTION	APPROXIMATE LENGTH
1. Building 8 Bulkhead	Vinyl sheet pile with timber waler and tieback system connected to the existing building foundation system	170 linear feet (LF)
2. Repaired Building 8 Bulkhead	Reinforced concrete existing Building 8 foundation system	300 lF
3. Non-Structural Containment Bulkhead	Composite vinyl and fiberglass sheet pile (Evercomp 26.1[FRP])	280 LF
4. Restored Bulkhead	Steel sheet pile	430 LF
5. Northwest Bulkhead	55’0” long steel sheet piling (ASTM A572 Grade 50) with waling and bracing (ASTM A36)	240 LF
6. Existing Concrete and Timber Bulkhead	Timber and concrete beams with deadman anchors	240 LF
7. South Yard Revetment Stone Shoreline	Revetment stone	1,030LF
8. Former West Warehouse Revetment Stone Shoreline	Revetment stone	150 LF

Former BICC Cables Site - NYSDEC Site No. C360051
Site-Wide Inspection Form

Date of Inspection: August 26, 2020

Name of Inspector/Company: James Boyer, P.E, PS&S

Items Inspected: (check items that were inspected)

X Groundwater Monitoring Wells
X Northwest Bulkhead
X North Bulkhead
X Open Water Steel Sheet Pile Bulkhead
X Containment Bulkhead
X Former Building 8 Vinyl Sheet Pile Bulkhead
X 6-inch Thick Pavement Cover System
X 12-inch Thick Pavement Cover System
X 6-inch Thick Concrete Cover System
___ Future Soil Cover System
X Operable Unit #2 (OU-2) DCU Area 2B2 Sediment Cover System
X Rip-Rap (Revetment Stone) Shoreline
X Former West Warehouse
X South Yard and North Yard
X Site-Wide Perimeter Fencing and Locks

South Yard

Describe the condition of each item inspected:

- Pavement Cover System

Photos 12:57 facing south and east. Cover system is partly filled with gravel and vegetation. Condition is stable, no holes or staining.

- Future Soil Cover Systems

N/A

- Monitoring Wells

N/A

- Rip-Rap (Revetment Stone) along the Hudson River

Photo 13:56: facing south. Growth observed. Rock displacement does not appear to be happening.

North Yard

Describe the condition of each item inspected:

- Pavement and Concrete Cover Systems

1. Concrete cap appears to be in good condition
2. Pavement significantly covered with imported fill

- Future Soil Cover Systems

N/A

- Monitoring Wells

Same as 2020

- Rip-Rap along the Hudson River (Former West Warehouse Revetment Stone)

Significantly overgrown, no structural damage. Some garbage and siding debris from EPRI Buidling washed up on shoreline.

Demolition/Below Building Area

Describe the condition of each item inspected:

- Pavement Cover Systems

Minor cracking/scarring, poor drainage, rock stockpiles

- Future Soil Cover System

N/A

- Monitoring Well RMW-2

RMW-2R decommissioned (in March 2021) since 2020 inspection.

- North and Northwest Bulkheads

See Table A7.2

BICC Parking Lot

Describe the condition of each item inspected:

- Monitoring Wells

RMW-1 Decommissioned since 2020 inspection.

Site-Wide

Describe the condition of each item inspected:

- Perimeter Fencing and Locks

Certain areas of fencing needs repair. These sections of damaged fence will be corrected after construction mobilization.

See Monitoring Well inspection notes in semiannual groundwater report.

OU-2 Area (DCU Area 2B) Sediment Cover System

See PRR Multi-layer sediment cover system bathymetry notes and DiTest inspection report.
Roctest survey delayed due to COVID-19 travel restrictions. Notification sent to NYSDEC.
No observed damages to the system.

Former BICC Cables Site - NYSDEC Site No. C360051

Site-Wide Inspection Form

South Yard Area

Date of Inspection: August 26, 2020

Name of Inspector/Company: James Boyer, P.E, PS&S

Enter Yes or No in the spaces below. Please explain any "Yes" notes in the comments section below, and any actions to be taken.

1. Pavement cover system

   Yes Any damage or evidence of bad housekeeping to the engineering control?

   No Any changes since the last inspection?

   No Is the engineering control **not** performing as designated in the SMP?

   No Is the engineering control **not** protective of human health and the environment?

2. Soil cover system

   No Any damage or evidence of bad housekeeping to the engineering control?

   No Any changes since the last inspection?

   No Is the engineering control **not** performing as designated in the SMP?

   No Is the engineering control **not** protective of human health and the environment?

3. Monitoring Wells

   N/A Any damage to the concrete pad?

   N/A Any damage to the manhole, including the cover?

   N/A Is there debris and/or standing water in the manhole?

   N/A Is there a loose fitting plug on the PVC riser?

   N/A Is access to the well impeded in any way?

   N/A Is the well screen and riser in bad condition and/or contains debris?

   N/A Is the soil surrounding the well showing signs of erosion, settlement, or other condition that could compromise the well?

4. Additional areas identified during the inspection. Please list areas in the comments section, which engineering control is in place, and whether the engineering control is in conformance with the SMP and protective of human health and the environment.

Comments: There is some minor cracking in the pavement and some potholes in this area.

Former BICC Cables Site - NYSDEC Site No. C360051

Site-Wide Inspection Form

North Yard Area

Date of Inspection: August 26, 2021

Name of Inspector/Company: James Boyer, P.E, PS&S

Enter Yes or No in the spaces below. Please explain any "Yes" notes in the comments section below, and any actions to be taken.

1. Pavement and concrete cover system

   No Any damage or evidence of bad housekeeping to the engineering control?

   No Any changes since the last inspection?

   No Is the engineering control **not** performing as designated in the SMP?

   No Is the engineering control **not** protective of human health and the environment?

2. Soil cover system

   No Any damage or evidence of bad housekeeping to the engineering control?

   No Any changes since the last inspection?

   No Is the engineering control **not** performing as designated in the SMP?

   No Is the engineering control **not** protective of human health and the environment?

3. Monitoring Wells

   N/A Any damage to the concrete pad?

   No Any damage to the manhole, including the cover?

   No Is there debris and/or standing water in the manhole?

   No Is there a loose fitting plug on the PVC riser?

   No Is access to the well impeded in any way?

   Yes Is the well screen and riser in bad condition and/or contains debris?

   No Is the asphalt surrounding the well showing signs of cracking, settlement, or other condition that could compromise the well?

4. Additional areas identified during the inspection. Please list areas in the comments section, which engineering control is in place, and whether the engineering control is in conformance with the SMP, and protective of human health and the environment.

Comments: N/A. Photos taken around 13:01, facing north and west.

Two new temporary wells were installed in June 2021. Survey was conducted in July 2021 and submitted to NYSDEC.

Former BICC Cables Site - NYSDEC Site No. C360051

Site-Wide Inspection Form
OU-2 (DCU Area 2B)
Sediment Cover System

Date of Inspection: August 26, 2021

Name of Inspector/Company: James Boyer P.E, PS&S

Enter Yes or No in the spaces below. Please explain any "Yes" notes in the comments section below, and any actions to be taken.

1. Pavement and concrete cover system

N/A Any damage or evidence of bad housekeeping to the engineering control?

N/A Any changes since the last inspection?

N/A Is the engineering control **not** performing as designated in the SMP?

N/A Is the engineering control **not** protective of human health and the environment?

2. Soil cover system

N/A Any damage or evidence of bad housekeeping to the engineering control?

N/A Any changes since the last inspection?

N/A Is the engineering control **not** performing as designated in the SMP?

N/A Is the engineering control **not** protective of human health and the environment?

3. Monitoring Wells

N/A Any damage to the concrete pad?

N/A Any damage to the manhole, including the cover?

N/A Is there debris and/or standing water in the manhole?

N/A Is there a loose fitting plug on the PVC riser?

N/A Is access to the well impeded in any way?

N/A Is the well screen and riser in bad condition and/or contains debris?

N/A Is the asphalt surrounding the well showing signs of cracking, settlement, or other condition that could compromise the well?

4. Additional areas identified during the inspection. Please list areas in the comments section, which engineering control is in place, and whether the engineering control is in conformance with the SMP, and protective of human health and the environment.

Comments: See PRR for detailed analysis of Sediment Cover System

Refer to Bathymetry Survey results and Roctest.

Former BICC Cables Site - NYSDEC Site No. C360051

Site-Wide Inspection Form

Demolition/Below Building Area

Date of Inspection: August 26, 2021

Name of Inspector/Company: James Boyer, P.E, PS&S

Enter Yes or No in the spaces below. Please explain any "Yes" notes in the comments section below, and any actions to be taken.

1. 6-inch-thick pavement cover system

No Any damage or evidence of bad housekeeping to the engineering control?

Yes Any changes since the last inspection?

No Is the engineering control **not** performing as designated in the SMP?

No Is the engineering control **not** protective of human health and the environment?

2. North and Northwest Bulkheads

No Any damage or evidence of bad housekeeping to the engineering control?

No Any changes since the last inspection?

No Is there any damage or distortion to the structure that supports the bulkhead?

No Is the bulkhead damaging the North End asphalt cap?

No Does the bulkhead move?

No Is the engineering control not performing as designated in the SMP?

No Is the engineering control not protective of human health and the environment?

3. Monitoring Wells

No Any damage to the concrete pad?

No Any damage to the manhole, including the cover?

No Is there debris and/or standing water in the manhole?

No Is there a loose fitting plug on the PVC riser?

No Is access to the well impeded in any way?

No Is the well screen and riser in bad condition and/or contains debris?

No Is the soil surrounding the well showing signs of erosion, settlement, or other condition that could compromise the well?

4. Additional areas identified during the inspection. Please list areas in the comments section, which engineering control is in place, and whether the engineering control is in conformance with the SMP and protective of human health and the environment.

Comments: 1. Pothole repairs completed in the below building area.

2. Fence on the eastern side along the shoreline is damaged.

3. Catch basin not working as intended.

Photos taken between 13:15 and 13:30 pm documenting these observations are included in the attached photolog.

Former BICC Cables Site - NYSDEC Site No. C360051

Site-Wide Inspection Form

BICC Parking Lot

Date of Inspection: August 26, 2021

Name of Inspector/Company: James Boyer, P.E, PS&S

Enter Yes or No in the spaces below. Please explain any "Yes" notes in the comments section below, and any actions to be taken.

1. Monitoring Wells

   N/A Any damage to the concrete pad?

   N/A Any damage to the manhole, including the cover?

   N/A Is there debris and/or standing water in the manhole?

   N/A Is there a loose fitting plug on the PVC riser?

   N/A Is access to the well impeded in any way?

   N/A Is the well screen and riser in bad condition and/or contains debris?

   N/A Is the soil surrounding the well showing signs of erosion, settlement, or other condition that could compromise the well?

2. Additional areas identified during the inspection. Please list areas in the comments section, which engineering control is in place, and whether the engineering control is in conformance with the SMP and protective of human health and the environment.

Comments: Garbage observed, cracked pavement, some staining and evidence of additional wear and tear from the 2020 reporting period. Monitoring well RMW-1 decommissioned in March 2021.

Former BICC Cables Site - NYSDEC Site No. C360051

Site-Wide Inspection Form

Site-Wide Features

Date of Inspection: August 26, 2021

Name of Inspector/Company: James Boyer, P.E, PS&S

Enter Yes or No in the spaces below. Please explain any "Yes" notes in the comments section below, and any actions to be taken.

1. **Perimeter Fencing**

   Yes Is there any damage to the fence?

   Yes Have any portions of the fence been knocked down?

   Yes Are there any holes in the fence?

2. **Perimeter Locks**

   Yes Are the locks easily accessible?

   Yes Do the locks work when using the appropriate key?

   No Are the locks rusted?

   No Are any of the locks missing?

   No Are any locks damaged or not serving their purpose?

Comments:

TABLE A7.2 - OPERATIONS MAINTENANCE INSPECTION FORM
FORMER BICC CABLES SITE

Date of Inspection:	Monday, August 26, 2021
Project Number:	5697.0006
Inspector's Names:	James Boyer, PE
Conditions:	Good - moderately calm seas
Tide:	Low Tide at 1336 hours
Weather:	92°F, Sunny, 50% humidity

Existing Bulkhead and Location	Condition of Bulkhead	Visible Damage (Y/N)	Photo Number	Observations and Remarks
1. Building 8 Bulkhead	Weakened, damaged vinyl sheeting. SW corner has a slight deflection in sheeting. Timber walkway damaged.	Y	Refer to Log (13:26) Facing S	Similar to 2020
2. Repaired Building 8 Bulkhead	No observable damage.	N	Refer to Log (13:28) Facing E	
3. Non-Structural Containment Bulkhead	Missing sheets north of the 30ft, south of the BICC bridge	Y	Refer to Log (13:30), facing N Refert to Log (13:33), facing W	Similar to 2020
4. Restored Bulkhead	Overgrown, but no structural changes from 2020	N		Similar to 2020
5. Northwest Bulkhead	Northwest corner damaged from barge incident, upland section has structural damage on souther side, overgrown vegetation	Y	Refer to Log (13:40), facing NW, Refer to Log (13:41), facing W	some additional damage since 2020
6. Existing Concrete and Timber Bulkhead	Significant deflection and cracked walls, some concrete falling off, some upland settlement, some Walers damaged	Y	Refer to Log (13:45) Facing E	Very damaged, may be unstable
7. South Yard Revetment Stone Shoreline	Overgrown; see cap inspection checklist	N	Refer to Log (13:56), facing S	Overgrown

TABLE A7.2 - OPERATIONS MAINTENANCE INSPECTION FORM
FORMER BICC CABLES SITE

8. Former West Warehouse Revetment Stone Shoreline	Overgrown; some garbage on shoreline, siding panel debris from EPRI Building washed up on shoreline	N	Refer to Log (13:49), facing S	Overgrown



Photograph 1a – Building 8 bulkhead. Some vinyl sheeting is damaged and deflected in the SW corner, but bulkhead is mostly intact and unchanged from 2020. View to the south.



Photograph 1b – Repaired Building 8 bulkhead. Bulkhead appears to be in good and stable condition. View to the east.



Photograph 2 – Non-Structural containment bulkhead. Sheeting is missing along a ~30 ft span but is intact to the south. Bulkhead is in similar condition to 2020. View to the west.



Photograph 3 – Restored bulkhead. Area is overgrown with vegetation but appears mostly unchanged from 2020. View to the southeast.



Photograph 4a – Northwest bulkhead. Bulkhead appears in good condition, with sheeting and surface level and intact. Mostly unchanged from 2020. View to the north.



Photograph 5 – Existing Concrete and Timber bulkhead. Significant deflection can be seen along the bulkhead, as well as some cracked walls and upland settlement. Bulkhead may be unstable. View to the east.



Photograph 4b – Northwest bulkhead. Bulkhead has been damaged at the northern/northwest corner by a barge incident. View to the west.



Photograph 6 – South Yard Revetment Shoreline. Area is overgrown with vegetation, but rock appears to have remained in place and may be stabilized by vegetation. View to the southwest.



Photograph 7b – North Yard Area. Area is heavily vegetated, but the cover system appears intact and functioning. View to the west.



Photograph 7a – North Yard Area. Area is heavily vegetated, but the cover system appears intact and functioning. View to the north.



Photograph 8a – Demolition/Below Building Area. Area is in good condition and appears mostly unchanged from 2020. View to the west.



Photograph 8b – Demolition/Below Building Area. Rock stockpiles with remnants of poly cover are present to the north, with gravel spillover onto pavement in foreground. Minor cracking/scarring present. View to the east.



Photograph 10 – BICC Parking Lot. Cracked pavement and additional wear and tear observed since last year. Some garbage observed. View to the west.



Photograph 9 – Asphalt access road/pavement cover system near the Demolition/Below Building Area. A large crack is present in the road. View to the north.



Photograph 11 – South Yard. Pavement cover system area is partially filled with gravel. Area appears to be in good condition. View to the south.



Photograph 12 – South Yard. Pavement cover system area is partially filled with gravel and vegetation. View to the east.

Appendix C

MULTI-LAYER SCS BATHYMETRIC SURVEY RESULTS

TABLE SMP PRR # 01 - OU-2 AREA MULTI-LAYER SCS TOP OF SCS ARMOR PROTECTION LAYER BATHYMETRIC SURVEY MEASUREMENTS

Multi-Layer SCS Bathymetric Survey Location	EPRI Building Finished Floor Elevation	1-Feb-16						8-Aug-16			8-Aug-17								7-Aug-18									06 / 07-Aug-19 - 05-Sept-19									11-Aug-20								Remarks	26-Aug-21										Remarks
		ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Observed Depth to Top of SCS Armor Protection Stone with respect to EPRI Building Finished Floor Elevation				Top of SCS Armor Protection Stone Bathymetry	ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Top of SCS Armor Protection Stone Bathymetry	Difference Between Last Measurement	ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Observed Depth to Top of SCS Armor Protection Stone with respect to EPRI Building Finished Floor Elevation				Top of SCS Armor Protection Stone Bathymetry	Difference Between Last Measurement	ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Observed Depth to Top of SCS Armor Protection Stone with respect to EPRI Building Finished Floor Elevation				Top of SCS Armor Protection Stone Bathymetry	Difference Between Last Measurement	ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Observed Depth to Top of SCS Armor Protection Stone with respect to EPRI Building Finished Floor Elevation				Top of SCS Armor Protection Stone Bathymetry	Difference Between Last Measurement		ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Observed Depth to Top of SCS Armor Protection Stone with respect to EPRI Building Finished Floor Elevation				Top of SCS Armor Protection Stone Bathymetry	Difference Between Last Measurement		ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Observed Depth to Top of SCS Armor Protection Stone with respect to EPRI Building Finished Floor Elevation				Top of SCS Armor Protection Stone Bathymetry	Difference Between Last Measurement		Remarks
	Feet NAVD 88	DATE	Feet	Inch		Feet	Feet NAVD 88	DATE	Feet NAVD 88	Feet	DATE	TIME	Feet	Inch	Feet	Feet NAVD 88	Feet	DATE	TIME	Feet	Inch	Feet	Feet NAVD 88	Feet	DATE	TIME	Feet	Inch	Feet	Feet NAVD 88	Feet	DATE	TIME	Feet	Inch	Feet	Feet NAVD 88	Feet	DATE	TIME	Feet	Inch	Feet	Feet NAVD 88	Feet		DATE	TIME	Feet	Inch	Feet	Feet NAVD 88	Feet	Difference Between Last Measurement (Inches)	Difference Between Last Measurement Greater than 6"?	
2B-B06	7.16	2/1/2016	13	9	0.75	13.75	-6.59	8/8/2016	-6.94	0.35	8/8/2017	917	14	0	0	14	-6.84	-0.1	8/7/2018	0930	14	1	0.1	14.09	-6.93	0.09	8/6/2019	13:25	14	3.9	0.3	14.33	-7.17	0.24	removed from monitoring program								(1), (2) and (3)	removed from monitoring program							0		(1), (2) and (3)
2B-B07	7.21	2/1/2016	13	1	0.08	13.09	-5.88	8/8/2016	-6.23	0.35	8/8/2017	918	13	10	0.8	13.84	-6.63	0.4	8/7/2018	0935	13	10	0.8	13.84	-6.63	0	8/6/2019	13:32	13	9.4	0.8	13.79	-6.58	-0.05									(1), (2) and (3)								0		(1), (2) and (3)
2B-B08	7.21	2/1/2016	13	7.25	0.6	13.61	-6.4	8/8/2016	-6.52	0.12	8/8/2017	919	14	0	0	14	-6.79	0.27	8/7/2018	0940	14	0	0	14	-6.79	0	8/6/2019	13:34	14	3	0.3	14.25	-7.04	0.25	8/11/2020	13:14	13	11	0.9	13.92	-6.71	-0.33	(1), (2) and (3)	8/26/2021	9:17	13	6	0.5	13.5	-6.29	-0.42	-5.04	No	(1), (2) and (3)
2B-B09	7.18	2/1/2016	13	10	0.83	13.84	-6.66	8/8/2016	-6.88	0.22	8/8/2017	920	13	7	0.6	13.59	-6.41	-0.47	8/7/2018	0945	13	8.25	0.7	13.69	-6.51	0.1	8/6/2019	13:35	14	0.5	0	14.05	-6.87	0.36	removed from monitoring program								(1), (2) and (3)	removed from monitoring program									(1), (2) and (3)
2B-B10	7.23	2/1/2016	13	5.625	0.47	13.47	-6.24	8/8/2016	-6.73	0.49	8/8/2017	921	13	11	0.9	13.92	-6.69	-0.04	8/7/2018	0950	13	11.75	1	13.98	-6.75	0.06	8/6/2019	13:37	13	0	0	13	-5.77	-0.98	8/11/2020	13:26	12	10	0.8	12.84	-5.61	-0.16	(1), (2) and (3)	8/26/2021	9:06	12	0	0	12	-4.77	-0.84	-10.08	No	(1), (2) and (3)
2B-B11	7.17	2/1/2016	11	5.5	0.46	11.46	-4.29	8/8/2016	-4.49	0.2	8/8/2017	922	11	10	0.8	11.84	-4.67	0.18	8/7/2018	0955	11	10.5	0.9	11.88	-4.71	0.04	8/6/2019	13:38	12	0.5	0	12.05	-4.88	0.17									(1), (2) and (3)										(1), (2) and (3)
2B-B12	7.19	2/1/2016	17	3.5	0.29	17.3	-10.11	8/8/2016	-10.59	0.48	8/8/2017	927	18	1.5	0.1	18.13	-10.94	0.35	8/7/2018	1000	18	2.25	0.2	18.19	-11	0.06	9/5/2019	13:18	18	8.5	0.7	18.71	-11.52	0.52	removed from monitoring program								(1), (2) and (3)	removed from monitoring program									(1), (2) and (3)
2B-B13	7.19	2/1/2016	17	6.75	0.56	17.57	-10.38	8/8/2016	-10.33	-0.05	8/8/2017	1017	17	10.5	0.9	17.88	-10.69	0.36	8/7/2018	1005	17	11.25	0.9	17.94	-10.75	0.06	8/6/2019	14:13	17	9	0.8	17.75	-10.56	-0.19									(1), (2) and (3)										(1), (2) and (3)
2B-B14	7.21	2/1/2016	17	5.5	0.46	17.46	-10.25	8/8/2016	-10.5	0.25	8/8/2017	1020	18	1	0.1	18.09	-10.88	0.38	8/7/2018	1010	18	1.75	0.1	18.15	-10.94	0.06	8/6/2019	14:10	17	2.5	0.2	17.21	-10	-0.94	8/11/2020	13:16	18	2.5	0.2	18.21	-11	1	(1), (2) and (3)	8/26/2021	9:25	17	10	0.8	17.84	-10.63	-0.37	-4.44	No	(1), (2) and (3)
2B-B15	7.18	2/1/2016	18	4	0.33	18.34	-11.16	8/8/2016	-11.16	0	8/8/2017	1021	18	3	0.3	18.25	-11.07	-0.09	8/7/2018	1015	18	1.5	0.1	18.13	-10.95	-0.12	8/6/2019	14:06	17	3.5	0.3	17.3	-10.12	-0.83									(1), (2) and (3)										(1), (2) and (3)
2B-B16	7.18	2/1/2016	21	0	0	21	-13.82	8/8/2016	-14.34	0.52	8/8/2017	1041	21	10	0.8	21.84	-14.66	0.32	8/7/2018	1020	21	11.25	0.9	21.94	-14.76	0.1	8/6/2019	14:25	22	0.9	0.1	22.02	-14.9	0.14	removed from monitoring program								(1), (2) and (3)	removed from monitoring program									(1), (2) and (3)
2B-B17	7.16	2/1/2016	20	5.75	0.48	20.48	-13.32	8/8/2016	-13.98	0.66	8/8/2017	1042	21	6.5	0.5	21.55	-14.39	0.41	8/7/2018	1025	21	6.75	0.6	21.57	-14.41	0.02	9/5/2019	13:23	20	10	0.8	20.84	-13.68	-0.73									(1), (2) and (3)										(1), (2) and (3)
2B-B18	7.16	2/1/2016	18	6.375	0.53	18.54	-11.38	8/8/2016	-11.85	0.47	8/8/2017	1044	19	3	0.3	19.25	-12.09	0.24	8/7/2018	1030	19	3.75	0.3	19.32	-12.16	0.07	9/5/2019	13:25	20	11.5	1	20.96	-13.8	1.64	8/11/2020	13:19	19	7	0.6	19.59	-12.43	-1.37	(1), (2) and (3)	8/26/2021	9:32	19	7	0.6	19.59	-12.43	0	0	No	(1), (2) and (3)
2B-B20	7.16	2/1/2016	23	6.125	0.51	23.52	-16.36	8/8/2016	-16.57	0.21	8/8/2017	1102	23	6	0.5	23.5	-16.34	-0.23	8/7/2018	1035	23	7	0.6	23.59	-16.43	0.09	9/5/2019	13:30	24	8.5	0.7	24.71	-17.55	1.12									(1), (2) and (3)										(1), (2) and (3)
2B-B21	7.15	2/1/2016	22	2	0.17	22.17	-15.02	8/8/2016	-15.51	0.49	8/8/2017	1104	23	1	0.1	23.09	-15.94	0.43	8/7/2018	1040	23	1.75	0.1	23.15	-16	0.06	8/7/2019	10:16	23	6.5	0.5	23.55	-16.4	0.4	removed from monitoring program								(1), (2) and (3)	removed from monitoring program									(1), (2) and (3)
2B-B22	7.12	2/1/2016	21	9.875	0.82	21.83	-14.71	8/8/2016	-15.04	0.33	8/8/2017	1117	22	4	0.3	22.34	-15.22	0.18	8/7/2018	1045	22	5.25	0.4	22.44	-15.32	0.1	8/7/2019	10:13	22	8.5	0.7	22.71	-15.59	0.27									(1), (2) and (3)										(1), (2) and (3)
2B-B23	7.21	2/1/2016	22	3	0.25	22.25	-15.04	8/8/2016	-15.24	0.2	8/8/2017	1118	22	9	0.8	22.75	-15.54	0.3	8/7/2018	1050	22	10.5	0.9	22.88	-15.67	0.13	8/7/2019	10:01	22	4.5	0.4	22.38	-15.17	-0.5									(1), (2) and (3)										(1), (2) and (3)
2B-SW01	7.4	2/5/2016	6	2.375	0.2	6.2	1.2	8/8/2016	0.55	0.65	8/8/2017	1132	7	4	0.3	7.34	0.07	0.48	8/7/2018	1055	7	7.75	0.6	7.65	-0.25	0.32																	8/11/2020	14:03	4	5	0.4	4.42	2.98	-2.98	(1), (2) and (3)	8/26/2021	10:08	7	9	0.8	7.75	-0.35	3.33	39.96	Yes	(1), (2) and (3)
2B-SW02	7.03	2/5/2016	6	2.75	0.23	6.23	0.81	8/8/2016	1.26	-0.45	8/8/2017	1133	5	8	0.7	5.67	1.36	-0.1	8/7/2018	1100	5	6.5	0.5	5.55	1.48	-0.12	excluded due to safety/access concerns																	8/11/2020	14:02	6	8	0.7	6.67	0.36	-0.36	(1), (2) and (3)	8/26/2021	10:00	6	7.5	0.6	6.63	0.4	-0.04	-0.48	No	(1), (2) and (3)
2B-SW03	7.37	2/5/2016	5	11.5	0.96	5.96	1.41	8/8/2016	1.83	-0.42	8/8/2017	1134	5	1	0.1	5.09	2.28	-0.45	8/7/2018	1105	5	5.25	0.4	5.44	1.93	0.35																	8/11/2020	14:01	7	3	0.3	7.25	0.12	-0.12	(1), (2) and (3)	8/26/2021	9:57	7	2.5	0.2	7.21	0.16	-0.04	-0.48	No	(1), (2) and (3)
2B-SW04	7.4	2/5/2016	5	6.75	0.56	5.57	1.83	8/8/2016	1.21	0.62	8/8/2017	1135	6	7	0.6	6.59	0.81	0.4	8/7/2018	1110	6	7.5	0.6	6.63	0.77	0.04																	8/11/2020	14:00	7	1	0.1	7.09	0.31	-0.31	(1), (2) and (3)												(1), (2) and (3)
2B-SW05																																									8/11/2020	14:00	6	5	0.4	6.42	-6.42	6.42													
2B-SW06																																									8/11/2020	13:59	9	0	0	9	-9	9	excluded due to safety/access concerns												
2B-SW07																																									8/11/2020	13:58	7	2	0.2	7.17	-7.17	7.17													
2B-SW08																																									8/11/2020	13:06	12	5.5	0.5	12.46	-12.46	12.46													
2B-SW14	7.17	2/5/2016	10	11.75	0.98	10.98	-3.81	8/8/2016	-4.44	0.63	8/8/2017	923	11	8.5	0.7	11.71	-4.54	0.1	8/7/2018	1115	11	11.75	1	11.98	-4.81	0.27	8/6/2019	13:39	11	9.5	0.8	11.8	-4.63	-0.18	removed from monitoring program								(1), (2) and (3)	removed from monitoring program									(1), (2) and (3)
2B-SW15	7.18	2/5/2016	11	10.25	0.85	11.86	-4.68	8/8/2016	-3.91	-0.77	8/8/2017	923	11	1	0.1	11.09	-3.91	0	8/7/2018	1120	11	11.25	0.9	11.94	-4.76	0.85	8/6/2019	13:40	11	1	0.1	11.09	-3.91	-0.85	8/11/2020	13:29	10	7	0.6	10.59	-3.41	-0.5	(1), (2) and (3)	8/26/2021	10:44	10	8	0.7	10.67	-3.49	0.08	0.96	No	(1), (2) and (3)
2B-SW16	6.92	2/1/2016	16	5.5	0.46	16.46	-9.54	8/8/2016	-9.74	0.2	8/8/2017	1033	16	7	0.6	16.59	-9.67	-0.07	8/7/2018	1125	16	8	0.7	16.67	-9.75	0.08	excluded due to safety/access concerns																	8/11/2020	13:04	17	5	0.4	17.42	-10.5	10.5	(1), (2) and (3)	8/26/2021	13:04	17	5	0.4	17.42	-10.5	0		No	(1), (2) and (3)
2B-SW17	7.18	2/1/2016	18	3.75	0.31	18.32	-11.14	8/8/2016	-11.3	0.16	8/8/2017	928	18	0	0	18	-10.82	-0.48	8/7/2018	1130	18	1.5	0.1	18.13	-10.95	0.13	8/6/2019	14:17	17	6.2	0.5	17.52	-10.34	-0.61									(1), (2) and (3)										(1), (2) and (3)
2B-SW18	7.17	2/1/2016	16	0	0	16	-8.83	8/8/2016	-9.02	0.19	8/8/2017	929	16	7	0.6	16.59	-9.42	0.4	8/7/2018	1135	16	8.25	0.7	16.69	-9.52	0.1	8/6/2019	14:15	16	4	0.3	16.34	-9.17	-0.35									(1), (2) and (3)										(1), (2) and (3)
2B-SW19	7.18	2/1/2016	17	0	0	17	-9.82	8/8/2016	-10.3	0.48	8/8/2017	1016	17	9.5	0.8	17.8	-10.62	0.32	8/7/2018	1140	17	10.25	0.9	17.86	-10.68	0.06	8/6/2019	14:14	17	0.3	0	17.03	-9.85	-0.83									(1), (2) and (3)										(1), (2) and (3)
2B-SW20	7.23	2/1/2016	16	3.5	0.29	16.3	-9.07	8/8/2016	-9.49	0.42	8/8/2017	1018	16	3.5	0.3	16.3	-9.07	-0.42	8/7/2018	1145	16	3.75	0.3	16.32	-9.09	0.02	8/6/2019	14:11	16	5.6	0.5	16.47	-9.24	0.15	removed from monitoring program								(1) and (2)	removed from monitoring program									(1) and (2)
2B-SW21	7.22	2/1/2016	15	1.5	0.13	15.13	-7.91	8/8/2016	-8.11	0.2	8/8/2017	1022	15	7.5	0.6	15.63	-8.41	0.3	8/7/2018	1150	15	8.75	0.7	15.73	-8.51	0.1	8/6/2019	14:08	15	5.2	0.4	15.44	-8.22	-0.29									(1) and (2)										(1) and (2)
2B-SW22	7.2	2/1/2016	15	0	0	15	-7.8	8/8/2016	-8.05	0.25	8/8/2017	1024	15	7.5	0.6	15.63	-8.43	0.38	8/7/2018	1155	15	8.25	0.7	15.69	-8.49	0.06	8/6/2019	14:04	14	8.2	0.7	14.69	-7.49	-1									(1) and (2)										(1) and (2)
2B-SW23	7.2	2/1/2016	14	4	0.33	14.34	-7.14	8/8/2016	-7.43	0.29	8/8/2017	1025	14	9	0.8	14.75	-7.55	0.12	8/7/2018	1200	14	9	0.8	14.75	-7.55	0	8/6/2019	14:02	13	9.5	0.8	13.8	-6.6	-0.95									(1) and (2)										(1) and (2)
2B-SW24	6.97	2/1/2016	18	9.375	0.78	18.79	-11.82	8/8/2016	-12.27	0.45	8/8/2017	1033	19	8	0.7	19.67	-12.7	0.43	8/7/2018	1205	19	8.75	0.7	19.73	-12.76	0.06	excluded due to safety/access concerns																	8/11/2020	12:58	19	6	0.5	19.5	-12.53	12.53	(1) and (2)	excluded due to safety/access concerns												(1) and (2)
2B-SW25	7.19	2/1/2016	19	10.75	0.9	19.9	-12.71	8/8/2016	-13.1	0.39	8/8/2017	1040	20	0.5	0	20.05	-12.86	-0.24	8/7/2018	1210	20	1.25	0.1	20.11	-12.92	0.06	9/5/2019	13:35	20	9.5	0.8	20.8	-13.61	0.69	8/11/2020	12:53	20	10.5	0.9	20.88	-13.69	0.08	(1) and (2)	8/26/2021	10:53	20	4	0.3	20.34	-13.15	-0.54	-6.48	No	(1) and (2)
2B-SW26	7.2	2/1/2016	20	2.875	0.24	20.24	-13.04	8/8/2016	-13.49	0.45	8/8/2017	1043	21	1	0.1	21.09	-13.89	0.4	8/7/2018	1215	21	1.5	0.1	21.13	-13.93	0.04	8/7/2019	11:39	21	6.5	0.5	21.55	-14.35	0.42									(1) and (2)										(1) and (2)
2B-SW27	7.17	2/1/2016	19	8.5	0.71	19.71	-12.54	8/8/2016	-12.08	-0.46	8/8/2017	1049	19	3.5	0.3	19.3	-12.13	0.05	8/7/2018	1220	19	3.75	0.3	19.32	-12.15	0.02	9/5/2019	13:37	19	3.5	0.3	19.3	-12.13	-0.02	removed from monitoring program								(1) and (2)	removed from monitoring program									(1) and (2)
2B-SW28	7.2	2/1/2016	20	8	0.67	20.67	-13.47	8/8/2016	-13.85	0.38	8/8/2017	1058	20	11	0.9	20.92	-13.72	-0.13	8/7/2018	1225	20	11.75	1	20.98	-13.78	0.06	8/7/2019	9:48	20	10.5	0.9	20.88	-13.68	-0.1									(1) and (2)										(1) and (2)
2B-SW29	7.19	2/1/2016	16	10.13	0.84	16.85	-9.66	8/8/2016	-10.4	0.74	8/8/2017	1059	18	0	0	18	-10.81	0.41	8/7/2018	1230	18	1.25	0.1	18.11	-10.92	0.11	8/7/2019	9:52	17	5	0.4	17.42	-10.23	-0.69									(1) and (2)										(1) and (2)
2B-SW30	7.19	2/1/2016	19	5.5	0.46	19.46	-12.27	8/8/2016	-12.37	0.1	8/8/2017	1100	19	9.5	0.8	19.8	-12.61	0.24	8/7/2018	1235	19	10.25	0.9	19.86	-12.67	0.06	8/7/2019	9:53	19	9.5	0.8	19.8	-12.61	-0.06	8/11/2020	13:24	19	7.2	0.6	19.6	-12.41	-0.2	(1) and (2)	8/26/2021	10:35	19	4	0.3	19.34	-12.15	-0.26	-3.12	No	(1) and (2)
2B-SW31																																									8/11/2020	12:58	20	8	0.7	20.67	-20.67	20.67	excluded due to safety/access concerns												(1) and (2)
2B-SW32	7.15	2/1/2016	20	5.375	0.45	20.45	-13.3	8/8/2016	-13.67	0.37	8/8/2017	1122	20	11	0.9	20.92	-13.77	0.1	8/7/2018	1240	20	11.75	1	20.98	-13.83	0.06	8/7/2019	9:55	19	6.5	0.5	19.55	-12.4	-1.43	8/11/2020	13:23	20	3.5	0.3	20.3	-13.15	0.75	(1) and (2)	8/26/2021	10:33	19	5	0.4	19.42	-12.27	-0.88	-10.56	No	(1) and (2)
2B-SW33	6.99	2/1/2016	23	2.5	0.21	23.21	-16.22	8/8/2016	-16.91	0.69	8/8/2017	1036	24	4.5	0.4	24.38	-17.39	0.48	8/7/2018	1245	24	5.75	0.5	24.48	-17.49	0.1	excluded due to safety/access concerns																	8/11/2020	13:01	25	6.5	0.5	25.55	-18.56	18.56	(1) and (2)	excluded due to safety/access concerns												(1) and (2)
2B-SW34	7.16	2/1/2016	23	4.125	0.34	23.35	-16.19	8/8/2016	-16.29	0.1	8/8/2017	1121	23	6.5	0.5	23.55	-16.39	0.1	8/7/2018	1250	23	7	0.6	23.59	-16.43	0.04	8/7/2019	10:21	23	7.5	0.6	23.63	-16.47	0.04	8/11/2020	12:50	23	4.5	0.4	23.38	-16.22	-0.25	(1) and (2)	8/26/2021	10:26	23	8	0.7	23.67	-16.51	0.29	3.48	No	(1) and (2)
2B-SW35	7.15	2/1/2016	22	2.75	0.23	22.23	-15.08	8/8/2016	-15.72	0.64	8/8/2017	1120	23	3	0.3	23.25	-16.1	0.38	8/7/2018	1255	23	4.5	0.4	23.38	-16.23	0.13	9/5/2019	13:40	23	6.5	0.5	23.55	-16.4	0.17									(1) and (2)										(1) and (2)
2B-SW36	7.16	2/1/2016	23	7.375	0.61	23.62	-16.46	8/8/2016	-15.91	-0.55	8/8/2017	1117	22	8	0.7	22.67	-15.51	-0.4	8/7/2018	1300	22	8.5	0.7	22.71	-15.55	0.04	9/5/2019	13:42	23	4.5	0.4	23.38	-16.22	0.67	removed from monitoring program								(1) and (2)	removed from monitoring program									(1) and (2)
2B-SW37	7.15	2/1/2016	19	6	0.5	19.5	-12.35	8/8/2016	-13.13	0.78	8/8/2017	1047	20	5.5	0.5	20.46	-13.31	0.18	8/7/2018	1305	20	6.75	0.6	20.57	-13.42	0.11	8/7/2019	9:45	20	10.5	0.9	20.88	-13.73	0.31									(1) and (2)										(1) and (2)
2B-SW38	7.17	2/1/2016	20	5.5	0.46	20.46	-13.29	8/8/2016	-13.29	0	8/8/2017	1119	20	4	0.3	20.34	-13.17	-0.12	8/7/2018	1310	20	5.25	0.4	20.44	-13.27	0.1	8/7/2019	10:05	20	10.5	0.9	20.88	-13.71	0.44	8/11/2020	13:20	20	9.75	0.8	20.82	-13.65	-0.06	(1) and (2)	8/26/2021	10:20	20	10	0.8	20.84	-13.67	0.02	0.24	No	(1) and (2)

NOTES
(1) 08.2016 to 08.2017 Acceptable Movement (AM), No Further Action (BFA)
(2) 08.2017 to 08.2018 Acceptable Movement (AM), No Further Action (BFA)
(3) Soft Surface Observed from On-Going Sediment Redeposition on SCS Armor Stone

TABLE SMP PRR # 01 - OU-2 AREA MULTI-LAYER SCS TOP OF SCS ARMOR PROTECTION LAYER BATHYMETRIC SURVEY MEASUREMENTS

Multi-Layer SCS Bathymetric Survey Location	EPRI Building Finished Floor Elevation	1-Feb-16						8-Aug-16			8-Aug-17							7-Aug-18								06 / 07-Aug-19 - 05-Sept-19								11-Aug-20							Remarks	26-Aug-21								Remarks
		ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Observed Depth to Top of SCS Armor Protection Stone with respect to EPRI Building Finished Floor Elevation				Top of SCS Armor Protection Stone Bathymetry	ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Top of SCS Armor Protection Stone Bathymetry	Difference Between Last Measurement	ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Observed Depth to Top of SCS Armor Protection Stone with respect to EPRI Building Finished Floor Elevation				Top of SCS Armor Protection Stone Bathymetry	Difference Between Last Measurement	ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Observed Depth to Top of SCS Armor Protection Stone with respect to EPRI Building Finished Floor Elevation				Top of SCS Armor Protection Stone Bathymetry	Difference Between Last Measurement	ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Observed Depth to Top of SCS Armor Protection Stone with respect to EPRI Building Finished Floor Elevation				Top of SCS Armor Protection Stone Bathymetry	Difference Between Last Measurement	ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Observed Depth to Top of SCS Armor Protection Stone with respect to EPRI Building Finished Floor Elevation				Top of SCS Armor Protection Stone Bathymetry	Difference Between Last Measurement		ARMOR PROTECTION STONE Multi-Layer SCS Bathymetric Survey Field Observations	Observed Depth to Top of SCS Armor Protection Stone with respect to EPRI Building Finished Floor Elevation				Top of SCS Armor Protection Stone Bathymetry	Difference Between Last Measurement	Difference Between Last Measurement (Inches)	Difference Between Last Measurement Greater than 6"?	
	Feet NAVD 88	DATE	Feet	Inch	Feet	Feet NAVD 88	DATE	Feet NAVD 88	Feet	DATE	TIME	Feet	Inch	Feet	Feet NAVD 88	Feet	DATE	TIME	Feet	Inch	Feet	Feet NAVD 88	Feet	DATE	TIME	Feet	Inch	Feet	Feet NAVD 88	Feet	DATE	TIME	Feet	Inch	Feet	Feet NAVD 88	Feet		DATE	TIME	Feet	Inch	Feet	Feet NAVD 88	Feet		
Windows																																																	
Window #1 (W1)																																																
W1 - NE Corner	7.2	2/5/2016	8	8.625	0.72	8.72	-1.52	8/8/2016	-2.1	0.58	8/8/2017	913	8	11	0.9	8.92	-1.72	-0.38	8/7/2018	0900	9	0.25	0	9.03	-1.83	0.11	8/7/2019	10:57	6	2.3	0.2	6.2	1	-2.83	(1) and (2)	removed from monitoring program								(1) and (2)	removed from monitoring program								(1) and (2)
W1 - SE Corner	7.2	2/5/2016	7	10	0.83	7.84	-0.64	8/8/2016	-1.26	0.62	8/8/2017	913	8	10.5	0.9	8.88	-1.68	0.42	8/7/2018	0901	8	11.75	1	8.98	-1.78	0.1	8/7/2019	10:58	8	1.5	0.1	8.13	-0.93	-0.85	(1) and (2)									(1) and (2)									(1) and (2)
W1 - NW Corner	7.2	2/5/2016	9	0	0	9	-1.8	8/8/2016	-2.5	0.7	8/8/2017	912	9	3	0.3	9.25	-2.05	-0.45	8/7/2018	0902	9	4	0.3	9.34	-2.14	0.09	8/7/2019	10:56	9	1.5	0.1	9.13	-1.93	-0.21	(1) and (2)									(1) and (2)									(1) and (2)
W1 - SW Corner	7.2	2/5/2016	8	2.75	0.23	8.23	-1.03	8/8/2016	-1.76	0.73	8/8/2017	912	9	4	0.3	9.34	-2.14	0.38	8/7/2018	0903	9	4.5	0.4	9.38	-2.18	0.04	8/7/2019	10:59	5	9.5	0.8	5.8	1.4	-3.58	(1) and (2)									(1) and (2)									(1) and (2)
Window #2 (W2)																																																
W2 - NE Corner	7.28	2/5/2016	8	5	0.42	8.42	-1.14	8/8/2016	-1.66	0.52	8/8/2017	900	9	0	0	9	-1.72	0.06	8/7/2018	0833	9	1.25	0.1	9.11	-1.83	0.11	8/7/2019	11:03	9	0	0	9	-1.72	-0.11	(1) and (2)									(1) and (2)									(1) and (2)
W2 - SE Corner	7.28	2/5/2016	8	9.75	0.81	8.82	-1.54	8/8/2016	-2.12	0.58	8/8/2017	900	9	5	0.4	9.42	-2.14	0.02	8/7/2018	0832	9	6	0.5	9.5	-2.22	0.08	9/5/2019	13:50	9	6.25	0.5	9.53	-2.25	0.03	(1) and (2)	removed from monitoring program								(1) and (2)	removed from monitoring program								(1) and (2)
W2 - NW Corner	7.28	2/5/2016	8	4.75	0.4	8.4	-1.12	8/8/2016	-1.69	0.57	8/8/2017	900	9	5.5	0.5	9.46	-2.18	0.49	8/7/2018	0831	9	5.75	0.5	9.48	-2.2	0.02	9/5/2019	13:51	9	10.5	0.9	9.88	-2.6	0.4	(1) and (2)									(1) and (2)									(1) and (2)
W2 - SW Corner	7.28	2/5/2016	9	2.5	0.21	9.21	-1.93	8/8/2016	-2.51	0.58	8/8/2017	900	9	4	0.3	9.34	-2.06	-0.45	8/7/2018	0830	9	5.25	0.4	9.44	-2.16	0.1	8/7/2019	11:01	9	6	0.5	9.5	-2.22	0.06	(1) and (2)									(1) and (2)									(1) and (2)
Window #3 (W3)																																																
W3 - NE Corner	7.24	2/5/2016	8	9	0.75			8/8/2016	-0.63	0.63	8/8/2017	858	9	2	0.2	9.17	-1.93	1.3	8/7/2018	0828	9	2.75	0.2	9.23	-1.99	0.06	8/7/2019	11:05	9	5.8	0.5	9.49	-2.25	0.26	(1) and (2)									(1) and (2)									(1) and (2)
W3 - SE Corner	7.24	2/5/2016	8	4	0.33	8.34	-1.1	8/8/2016	-1.77	0.67	8/8/2017	858	9	5	0.4	9.42	-2.18	0.41	8/7/2018	0827	9	6.25	0.5	9.53	-2.29	0.11	8/7/2019	11:07	10	0	0	10	-2.76	0.47	(1) and (2)									(1) and (2)									(1) and (2)
W3 - NW Corner	7.24	2/5/2016	8	5.5	0.46	8.46	-1.22	8/8/2016	-1.93	0.71	8/8/2017	858	9	7	0.6	9.59	-2.35	0.42	8/7/2018	0826	9	8.5	0.7	9.71	-2.47	0.12	9/5/2019	13:52	10	3	0.3	10.25	-3.01	0.54	(1) and (2)	removed from monitoring program								(1) and (2)	removed from monitoring program								(1) and (2)
W3 - SW Corner	7.24	2/5/2016	9	3.5	0.29	9.3	-2.06	8/8/2016	-2.79	0.73	8/8/2017	858	10	1.5	0.1	10.13	-2.89	0.1	8/7/2018	0825	10	2.25	0.2	10.19	-2.95	0.06	9/5/2019	13:51	9	10.5	0.9	9.88	-2.64	-0.31	(1) and (2)									(1) and (2)									(1) and (2)
Window #4 (W4)																																																
W4 - NE Corner	7.28	2/5/2016	8	2.375	0.2	8.2	-0.92	8/8/2016	-1.59	0.67	8/8/2017	856	9	2	0.2	9.17	-1.89	0.3	8/7/2018	0820	9	3.25	0.3	9.28	-2	0.11	8/7/2019	11:07	9	3.3	0.3	9.28	-2	0	(1) and (2)									(1) and (2)									(1) and (2)
W4 - SE Corner	7.28	2/5/2016	7	11.13	0.93	7.93	-0.65	8/8/2016	-1.39	0.74	8/8/2017	856	9	2	0.2	9.17	-1.89	0.5	8/7/2018	0821	9	2.5	0.2	9.21	-1.93	0.04	8/7/2019	11:09	9	3.8	0.3	9.32	-2.04	0.11	(1) and (2)									(1) and (2)									(1) and (2)
W4 - NW Corner	7.28	2/5/2016	9	10.25	0.85	9.86	-2.58	8/8/2016	-3.3	0.72	8/8/2017	856	10	1.5	0.1	10.13	-2.85	-0.45	8/7/2018	0822	10	3	0.3	10.25	-2.97	0.12	8/7/2019	11:08	10	4.8	0.4	10.4	-3.12	0.15	(1) and (2)	removed from monitoring program								(1) and (2)	removed from monitoring program								(1) and (2)
W4 - SW Corner	7.28	2/5/2016	8	7	0.58	8.59	-1.31	8/8/2016	-1.99	0.68	8/8/2017	856	9	8.5	0.7	9.71	-2.43	0.44	8/7/2018	0823	9	9.25	0.8	9.78	-2.5	0.07	8/7/2019	11:08	10	0	0	10	-2.72	0.22	(1) and (2)									(1) and (2)									(1) and (2)
Window #5 (W5)																																																
W5 - NE Corner	7.49	2/5/2016	8	4.625	0.39	8.39	-0.9	8/8/2016	-0.9	0	8/8/2017	854	8	4.5	0.4	8.38	-0.89	-0.01	8/7/2018	0815	8	5.25	0.4	8.44	-0.95	0.06	8/7/2019	11:10	8	7	0.6	8.59	-1.1	0.15	(1) and (2)									(1) and (2)									(1) and (2)
W5 - SE Corner	7.49	2/5/2016	8	7.875	0.66	8.66	-1.17	8/8/2016	-1.27	0.1	8/8/2017	854	8	7	0.6	8.59	-1.1	-0.17	8/7/2018	0816	8	7.5	0.6	8.63	-1.14	0.04	9/5/2019	13:55	8	8	0.7	8.67	-1.18	0.04	(1) and (2)	removed from monitoring program								(1) and (2)	removed from monitoring program								(1) and (2)
W5 - NW Corner	7.49	2/5/2016	7	8.5	0.71	7.71	-0.22	8/8/2016	-0.67	0.45	8/8/2017	854	8	5.5	0.5	8.46	-0.97	0.3	8/7/2018	0817	8	6.5	0.5	8.55	-1.06	0.09	9/5/2019	13:57	9	4	0.3	9.34	-1.85	0.79	(1) and (2)									(1) and (2)									(1) and (2)
W5 - SW Corner	7.49	2/5/2016	8	0.125	0.01	8.02	-0.53	8/8/2016	-1.01	0.48	8/8/2017	854	8	9.5	0.8	8.8	-1.31	0.3	8/7/2018	0818	8	11.25	0.9	8.94	-1.45	0.14	9/5/2019	14:00	9	5	0.4	9.42	-1.93	0.48	(1) and (2)									(1) and (2)									(1) and (2)
Window #6 (W6)																																																
W6 - NE Corner	7.38	2/5/2016	7	4.125	0.34	7.35	0.04	8/8/2016	-0.43	0.47	8/8/2017	852	8	1.5	0.1	8.13	-0.75	0.32	8/7/2018	0810	8	2.25	0.2	8.19	-0.81	0.06	9/5/2019	14:01	8	8.3	0.7	8.7	-1.32	0.51	(1) and (2)									(1) and (2)									(1) and (2)
W6 - SE Corner	7.38	2/5/2016	7	5	0.42	7.42	-0.04	8/8/2016	-0.51	0.47	8/8/2017	852	8	2.5	0.2	8.21	-0.83	0.32	8/7/2018	0811	8	3	0.3	8.25	-0.87	0.04	9/5/2019	14:02	9	1	0.1	9.09	-1.71	0.84	(1) and (2)	removed from monitoring program								(1) and (2)	removed from monitoring program								(1) and (2)
W6 - NW Corner	7.38	2/5/2016	8	3.5	0.29	8.3	-0.92	8/8/2016	-1.32	0.4	8/8/2017	852	8	3	0.3	8.25	-0.87	-0.45	8/7/2018	0812	8	3.75	0.3	8.32	-0.94	0.07	9/5/2019	14:00	9	6	0.5	9.5	-2.12	1.18	(1) and (2)									(1) and (2)									(1) and (2)
W6 - SW Corner	7.38	2/5/2016	8	10	0.83	8.84	-1.46	8/8/2016	-1.94	0.48	8/8/2017	852	8	10	0.8	8.84	-1.46	-0.48	8/7/2018	0813	8	11.25	0.9	8.94	-1.56	0.1	9/5/2019	14:03	9	3.5	0.3	9.3	-1.92	0.36	(1) and (2)									(1) and (2)									(1) and (2)
Window #7 (W7)																																																
W7 - NE Corner	7.27	2/5/2016	7	4.75	0.4	7.4	-0.13	8/8/2016	-0.58	0.45	8/8/2017	850	8	3	0.3	8.25	-0.98	0.4	8/7/2018	0808	8	4.5	0.4	8.38	-1.11	0.13	8/7/2019	11:20	8	0.8	0.1	8.07	-0.8	-0.31	(1) and (2)									(1) and (2)									(1) and (2)
W7 - SE Corner	7.27	2/5/2016	6	9.25	0.77	6.78	0.49	8/8/2016	-0.03	0.52	8/8/2017	850	7	8.5	0.7	7.71	-0.44	0.41	8/7/2018	0807	7	10.25	0.9	7.86	-0.59	0.15	9/5/2019	14:05	8	3	0.3	8.25	-0.98	0.39	(1) and (2)	removed from monitoring program								(1) and (2)	removed from monitoring program								(1) and (2)
W7 - NW Corner	7.37	2/5/2016	8	8.375	0.7	8.7	-1.33	8/8/2016	-1.61	0.28	8/8/2017	850	9	3.5	0.3	9.3	-1.93	0.32	8/7/2018	0806	9	4.75	0.4	9.4	-2.03	0.1	9/5/2019	14:04	9	7.25	0.6	9.61	-2.24	0.21	(1) and (2)									(1) and (2)									(1) and (2)
W7 - SW Corner	7.37	2/5/2016	8	0.5	0.04	8.05	-0.68	8/8/2016	-1.13	0.45	8/8/2017	850	8	11	0.9	8.92	-1.55	0.42	8/7/2018	0805	9	0.25	0	9.03	-1.66	0.11	8/7/2019	11:23	9	4	0.3	9.34	-1.97	0.31	(1) and (2)									(1) and (2)									(1) and (2)
Window #8 (W8)																																																
W8 - NE Corner	7.25	2/5/2016	8	1	0.08	8.09	-0.84	8/8/2016	-1.19	0.35	8/8/2017	849	8	10	0.8	8.84	-1.59	0.4	8/7/2018	0801	8	11.75	1	8.98	-1.73	0.14	8/7/2019	11:24	9	5.5	0.5	9.46	-2.21	0.48	(1) and (2)	removed from monitoring program								(1) and (2)	removed from monitoring program							0	No	(1) and (2)
W8 - NW Corner	7.25	2/5/2016	9	6	0.5	9.5	-2.25	8/8/2016	-2.53	0.28	8/8/2017	849	9	11	0.9	9.92	-2.67	0.14	8/7/2018	0800	9	11.5	1	9.96	-2.71	0.04	8/7/2019	11:25	10	0	0	10	-2.75	0.04	(1) and (2)									(1) and (2)								0	No	(1) and (2)

NOTES
(1) 08.2016 to 08.2017 Acceptable Movement (AM), No Further Action (BFA)
(2) 08.2017 to 08.2018 Acceptable Movement (AM), No Further Action (BFA)
(3) Soft Surface Observed from On-Going Sediment Redeposition on SCS Armor Stone

Appendix D

SEMI-ANNUAL GROUNDWATER MONITORING RESULTS REPORT

ELECTRONIC MAIL SUBMISSION

April 23, 2021
05697-0006

Mr. Mark Domaracki P.G.
Assistant Geologist, Section B, Bureau C
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7017

Education
Energy Utility
Healthcare
Public Works
Real Estate
Science & Technology

RE: **Former BICC Cables Corporation Site (Site)**
City of Yonkers, Westchester, New York
NYSDEC Site No. C360051
Semi-Annual Groundwater Monitoring Results Report (7th Round)

Dear Mr. Domaracki,

On behalf of Extell Hudson Waterfront LLC (Extell), Paulus, Sokolowski and Sartor Engineering, PC (PS&S) has prepared this Semi-Annual Groundwater Monitoring Results Report (the Report) for the Former BICC Cables Corporation Site (the Site) located in the City of Yonkers, New York. This Report presents the findings of the 7th round of Semi-Annual Groundwater Monitoring completed at the Site in compliance with the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP), dated April 14, 2017.

1.0 Introduction

As per the SMP, Section 3.2, and further detailed in SMP Attachment 8 (Groundwater Monitoring Work Plan), groundwater level and quality monitoring of the established Site groundwater monitoring wells has been conducted on a semi-annual basis for two years to assess groundwater conditions after remediation. In addition, Extell and PS&S have continued monitoring for an additional year to monitor polychlorinated biphenyl (PCB) concentrations observed in RMW-3 and RMW-4. These periodic monitoring events include the assessment of the nature and extent of the impact to groundwater caused by the off-Site source of Volatile Organic Compounds (VOCs) entering the Site, as well as onsite PCB contamination.

This report presents the findings of the 7th round of semi-annual groundwater sampling activities completed in March 2021.

2.0 Groundwater Sampling

2.1 Groundwater Sampling Activities

PS&S collected low flow groundwater samples from monitoring wells RMW-3 and RMW-4 on March 5th, 2021 using low-flow purging and sampling techniques. Samples were relinquished to Alpha Analytical Laboratories, Inc. (Alpha) under standard chain of custody documentation for Target Compound List (TCL) VOC and polychlorinated biphenyls (PCB)

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analysis. Required quality assurance and quality control (QA/QC) samples (e.g., field blanks, trip blanks and matrix spikes) were also collected and submitted to Alpha.

During the three-year semi-annual groundwater monitoring well sampling events, RMW-1 and RMW-2R were sampled six and four times, respectively, per the NYSDEC-approved SMP. Analytical results from the five sampling events reported no exceedances from the two well. PS&S received approval to abandon and decommission well RMW-1 and RMW-2R from NYSDEC on February 10th, 2021, in accordance with DER-10 requirements. Monitoring well decommissioning was completed on March 4, 2021 and RMW-1 and RMW-2R not included as part of the March 2021 sampling event. Please refer to Attachment G for documentation of RMW-1 and RMW-2R decommissioning and approval.

The Groundwater Monitoring Well Location Map is provided as Attachment A.

In addition, SMP Groundwater Monitoring Well Construction Logs (Enclosure 4 of the SMP Attachment 8) are provided as Attachment B. Purged groundwater was stored on-Site in one 55-gallon drum. Following proper waste characterization, the investigation derived waste (IDW) was disposed of off-Site by SGS North America Inc. (SGS). The IDW disposal manifest for purge water generated during this round will be provided under separate cover.

2.2 Groundwater Sample Results

Groundwater sample results were compared to NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, Class GA, dated June 1998 (NY TOGS GA).

The March 2021 7th round of groundwater quality sample results reported concentrations below the NY TOGS GA criteria for PCBs and VOCs, with the exception of the following constituents:

i. Aroclor 1242 was detected at 0.514 µg/L in sample RMW-3, which is above the NY TOGS GA of 0.09 µg/L;
ii. Aroclor 1260 was detected at 0.389 µg/L in sample RMW-3, which is above the NY TOGS GA of 0.09 µg/L; and
iii. Aroclor 1242 was detected at 0.413 µg/L in the duplicate sample collected from RMW-3, which is above the NY TOGS GA of 0.09 µg/L;

Please refer to Attachment C for the groundwater sample results summary table and Attachment D for full analytical laboratory reports. PS&S has prepared and submitted the required data usability summary report (DUSR), provided as Attachment E. In addition, a chart displaying trends over the course of the seven sampling events are provided as Attachment F.

3.0 Conclusions and Recommendations

PCBs were detected above NY TOGS GA in RMW-3 during the 7th round of sampling, as well as in the 6th round of sampling. Aroclor 1242 and Aroclor 1260 were detected above their NY TOGS GAs (0.09 µg/L) at 0.514 µg/L and 0.389 µg/L, respectively. A duplicate sample

was collected from RMW-3 which yielded an exceedance of Aroclor 1242 at 0.413 µg/L. Please refer to Attachment F for an exceedance summary chart.

During the three-year semi-annual groundwater monitoring well sampling events, RMW-4 has been sampled seven times in accordance with the NYSDEC-approved SMP which previously yielded exceedances of PCB compounds. Aroclor 1254, Aroclor 1260, and Aroclor 1268 were detected above their respective NY TOGS GAs of 0.09 µg/L during the 4th round of sampling. No results from the 7th round of sampling reported any exceedances from RMW-4. PS&S would recommend that semi-annual sampling continue at RMW-3 and RMW-4.

Extell and PS&S appreciate your review of this Report. In accordance with the SMP Appendix 8, electronic data deliverables (EDDs) will be completed and submitted to NYSDEC on April 27, 2021. The next round of semi-annual groundwater sampling is scheduled for August 2021.

Should you have any questions or require additional information, please contact me at 732-245-7164 or James Boyer at 908-745-8934 or jboyer@psands.com.

Very truly yours,

PAULUS, SOKOLOWSKI AND SARTOR ENGINEERING, P.C.

James Boyer

James Boyer, PE
Project Manager

Copy: *Jack Mandelbaum, jmandelbaum@extell.com*
Chanie Rosenberg, crosenberg@extell.com
Janos Szeman, P.E., jmszeman@psands.com
L. Miguel Salinas, lsalinas@psands.com

Attachments:

1. Attachment A – Groundwater Monitoring Well Location Map
2. Attachment B – Groundwater Monitoring Well Construction Logs
3. Attachment C – Groundwater Sample Results Summary Table
4. Attachment D – 3/14/21 Analytical Report, Alpha Analytical Laboratories, Inc.
5. Attachment E – Data Usability Summary Report
6. Attachment F – Exceedance Summary Charts
7. Attachment G – RMW-1 and RMW-2R Decommissioning Records

ATTACHMENT A –
GROUNDWATER MONITORING WELL LOCATION MAP



NORTH

LEGEND:

- MONITORING WELL LOCATION
- DECOMMISSIONED MONITORING WELL LOCATION

GRAPHIC SCALE

150 0 75 150 300 600

(IN FEET)

1 inch = 150 ft

REV. / ISSUE	DATE	DESCRIPTION

PAULUS, SOKOLOWSKI AND SARTOR, LLC.

3 MOUNTAINVIEW ROAD
P.O. BOX 4039
WARREN, NEW JERSEY 07059
PHONE: (732) 560-9700

CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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PROJECT

FORMER BICC CABLES CORPORATION SITE
NYSDEC SITE NO. C360051
CITY OF YONKERS, WESTCHESTER COUNTY, NY

SHEET TITLE

MONITORING WELL LOCATIONS

PROJ. NO.:	05697.0006
DATE:	03-19-21
DRAWN BY:	SL
CHECKED BY:	JB
SCALE:	150
SHEET NO.	ATTCH. A

FILE NAME: P:\05697\0006\DWGs\C-Civil\Plot dwgs\GW Monitoring\dwg\Monitoring-Well-Locations.dwg\11x17 LAST EDIT: 03/22/2021 - 11:00:06 AM LOGIN: slevine@

ATTACHMENT B –
GROUNDWATER MONITORING WELL CONSTRUCTION LOGS

Monitoring Well ID: RMW-1

Client: Black Acre Parnters OPS

Location: Yonkers, NY

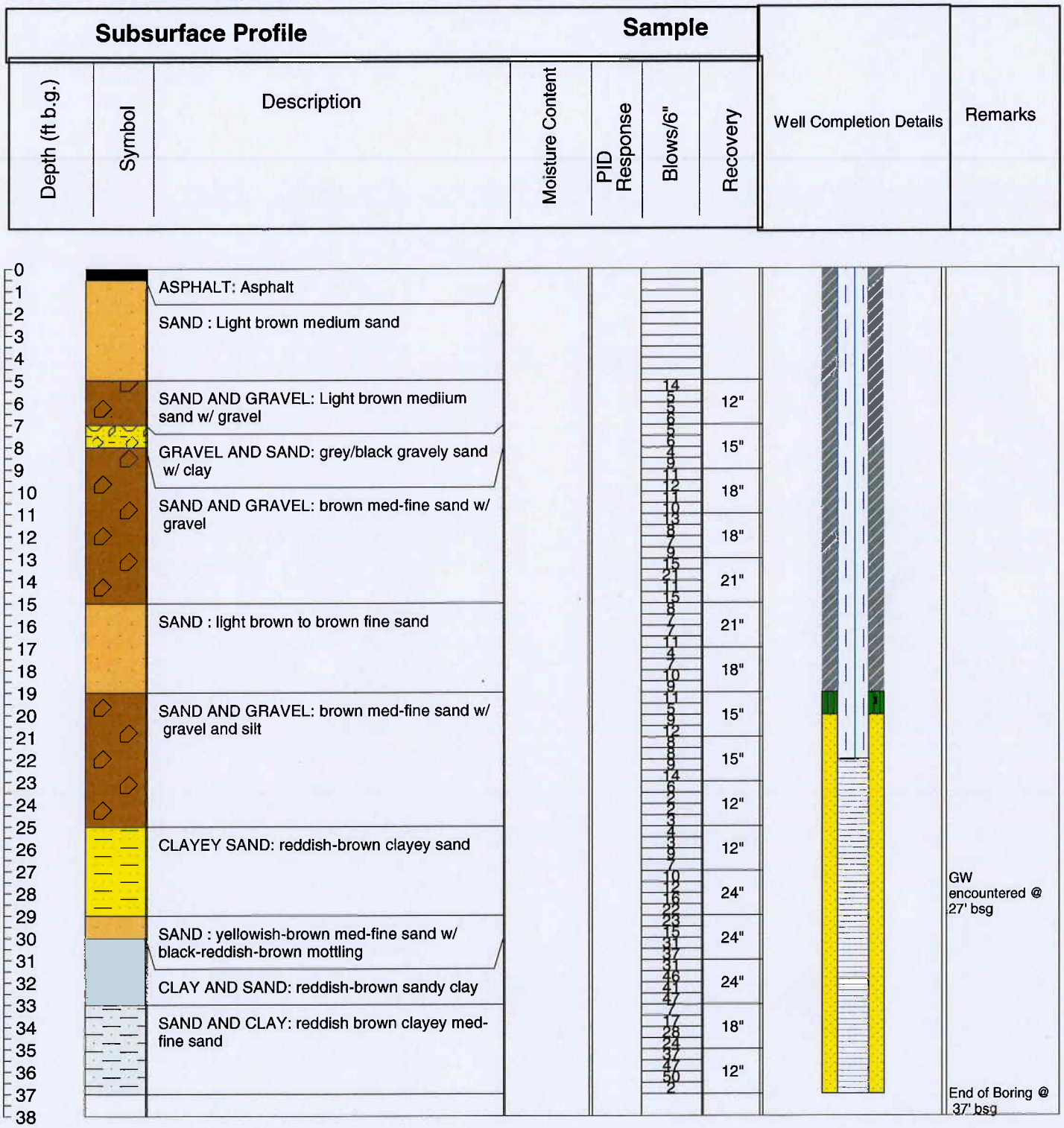
Project: BICC1201

Operational Area: Point Street Parking Lot

Site: 233 Alexander Street

Oversight Personnel: OKM

H2M GROUP
H2M Associates, Inc.
Engineers, Scientists, & Planners
119 Cherry Hill Road, Suite 200
Parsippany, NJ 07054
(862) 207-5900
www.h2m.com



Constructed By: Aquifer Drilling & Testing, Inc.

Casing Diameter: 2

Construction Method: Hollow Stem Auger

Weather:

Construction Date: 11/17/11

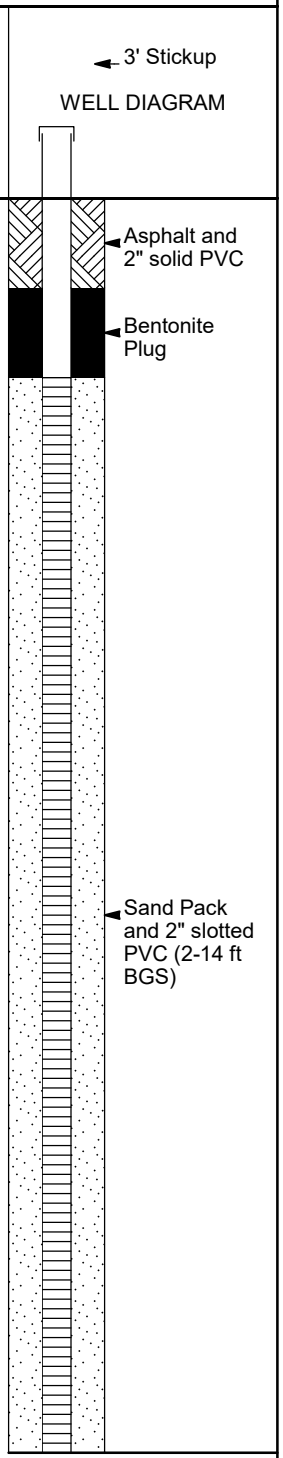
Sheet: 1 of 1

Paulus, Sarkowski and Sartor
1 Larkin Plaza, 2nd Floor
Yonkers, New York 10701

WELL NUMBER RMW-2R

CLIENT Extell
PROJECT NAME BICC
PROJECT NUMBER 056970009
PROJECT LOCATION Yonkers, NY
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
GROUND ELEVATION 8.119 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR ADT
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger 2"
AT TIME OF DRILLING ---
LOGGED BY Scott Caporizzo **CHECKED BY** Eric Stucker
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			Dry, Dk Brown to Reddish Brown SAND
14.0			Bottom of borehole at 14.0 feet.



GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 3/21/19 15:30 - P:\05697\0006\REPORTS\IN-ENVIR\SMP IMPLEMENTATION\ANNUAL INSPECTION AND PRR\2019\SEMI-ANNUAL GW MONITORING\RMW-2 DECOMMISSIONING AND RMW-2R INSTALL\RNW-2R WEI

Monitoring Well ID: RMW-3

Client: Black Acre Parnters OPS

Location: Yonkers, NY

Project: BICC1201

Operational Area: North Yard Area

Site: 233 Alexander Street

Oversight Personnel: OKM

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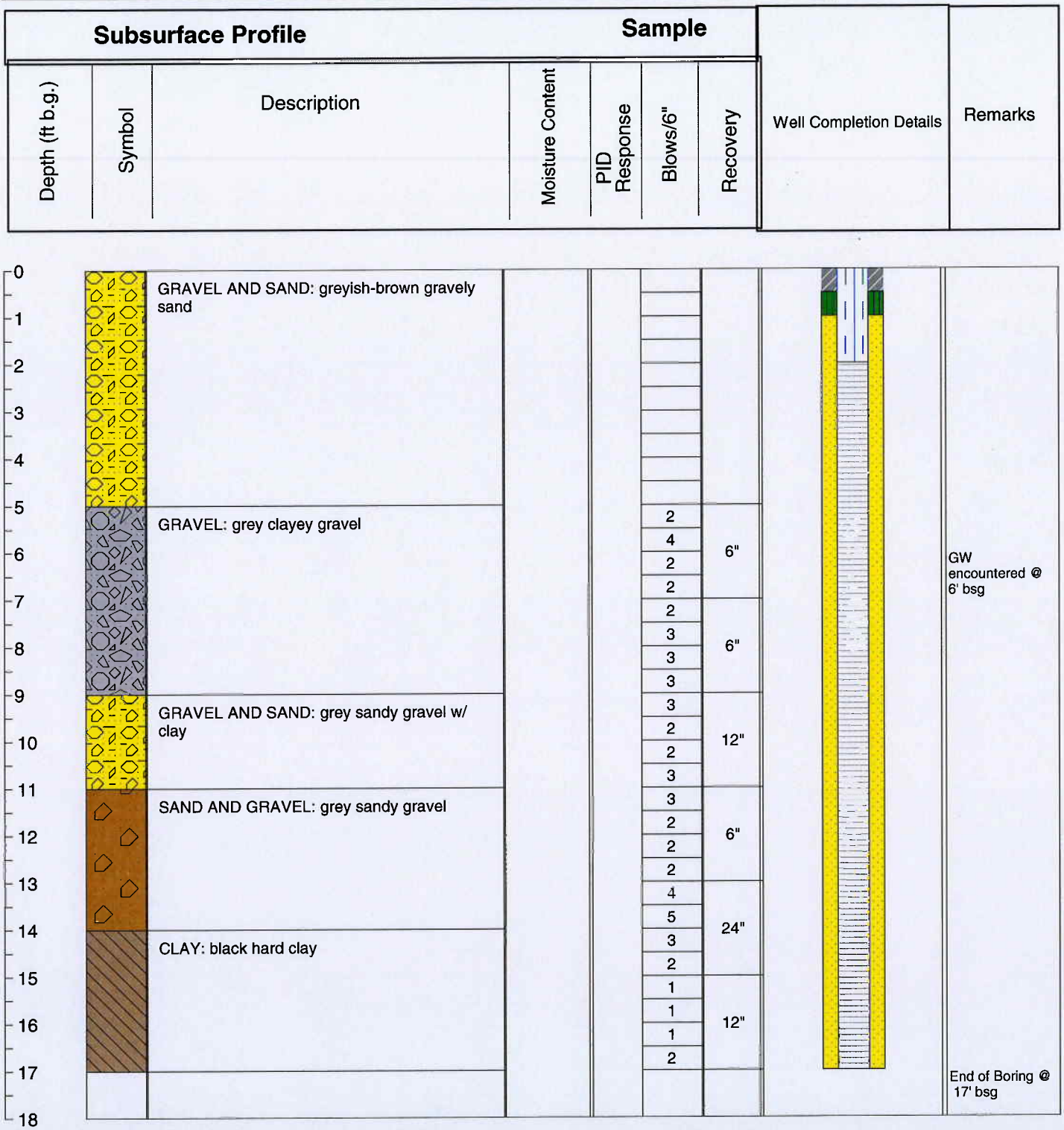
Engineers, Scientists, & Planners

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Parsippany, NJ 07054

(862) 207-5900

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Constructed By: Aquifer Drilling & Testing, Inc.

Casing Diameter: 2

Construction Method: Hollow Stem Auger

Weather:

Construction Date: 11/17/11

Sheet: 1 of 1

7138

Monitoring Well ID: RMW-4

Client: Black Acre Parnters OPS

Location: Yonkers, NY

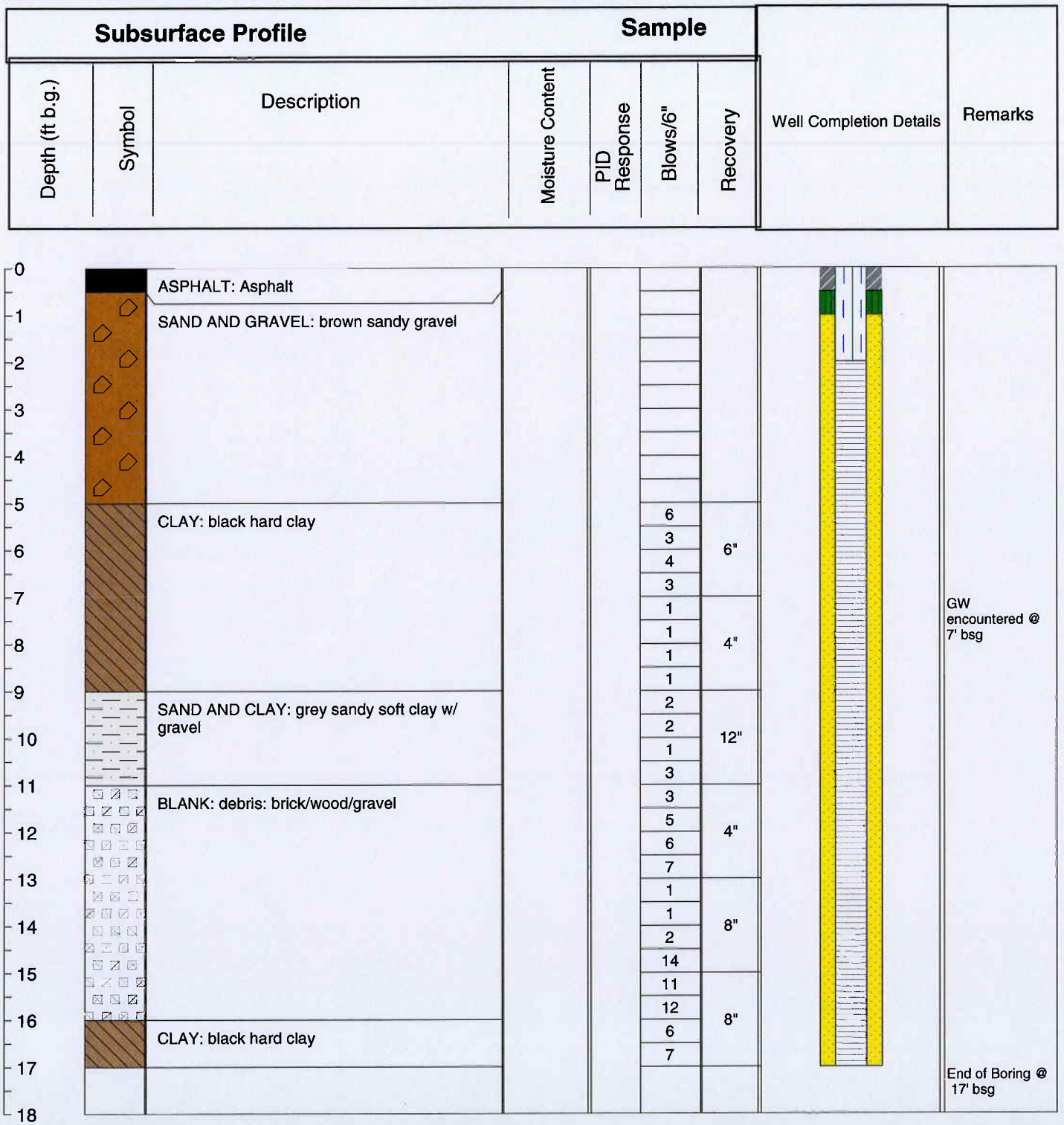
Project: BICC1201

Operational Area: North Yard Area

Site: 233 Alexander Street

Oversight Personnel: OKM

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Constructed By: Aquifer Drilling & Testing, Inc.

Casing Diameter: 2

Construction Method: Hollow Stem Auger

Weather:

Construction Date: 11/21/11

7139

Sheet: 1 of 1

Monitoring Well ID: RMW-5

Client: Black Acre Parnters OPS

Location: Yonkers, NY

Project: BICC1201

Operational Area: South Yard Area

Site: 233 Alexander Street

Oversight Personnel: OKM

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Subsurface Profile				Sample					
Depth (ft b.g.)	Symbol	Description	Moisture Content	PID Response	Blows/6"	Recovery	Well Completion Details	Remarks
0		ASPHALT: Asphalt						
1		SAND AND CLAY: brown clayey sand w/ small pieces of brick						
2								
3								GW encountered @ 3' bsg
4								
5		GRAVEL AND SAND: brown med-fine sand w/ gravel			5	18"		
6		BLANK: debris/ fill material: black sand w/ pieces of wood, brick & cinders			2 12 6			
7					4	12"		
8					6 5			
9					7			
10					6 8	12"		
11					10 12			
12					7 2	12"		
13					1 1			End of Boring @ 13' bsg
14								

Constructed By: Aquifer Drilling & Testing, Inc.

Casing Diameter: 2

Construction Method: Hollow Stem Auger

Weather:

Construction Date: 11/17/11

7140

Sheet: 1 of 1

ATTACHMENT C –

GROUNDWATER SAMPLE RESULTS SUMMARY TABLE

Attachment C - Groundwater Sample Results Summary Table
BICC Cables Corporation Site
March 2021

	SAMPLE ID:	NY-TOGS Water Quality Standards	RMW-3				RMW-4				DUP 1				FB030521				TRIP BLANK			
	LAB ID:		L2111103-01				L2111103-02				L2111103-03				L2111103-04				L2111103-05			
	COLLECTION DATE:		3/5/2021				3/5/2021				3/5/2021				3/5/2021				3/3/2021			
	SAMPLE DEPTH:																					
	SAMPLE MATRIX:		WATER				WATER				WATER				WATER				WATER			
ANALYTE	CAS	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																						
Methylene chloride	75-09-2	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethane	75-34-3	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloroform	67-66-3	7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Carbon tetrachloride	56-23-5	5	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,2-Dichloropropane	78-87-5	1	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14
Dibromochloromethane	124-48-1	50	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15
1,1,2-Trichloroethane	79-00-5	1	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5
Tetrachloroethene	127-18-4	5	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
Chlorobenzene	108-90-7	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichlorofluoromethane	75-69-4	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethane	107-06-2	0.6	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,1,1-Trichloroethane	71-55-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromodichloromethane	75-27-4	50	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19
trans-1,3-Dichloropropene	10061-02-6	0.4	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
cis-1,3-Dichloropropene	10061-01-5	0.4	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,3-Dichloropropene, Total	542-75-6		ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,1-Dichloropropene	563-58-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromoform	75-25-2	50	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,1,2,2-Tetrachloroethane	79-34-5	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
Benzene	71-43-2	1	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
Toluene	108-88-3	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Ethylbenzene	100-41-4	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloromethane	74-87-3		ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromomethane	74-83-9	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Vinyl chloride	75-01-4	2	0.08	J	1	0.07	ND		1	0.07	0.09	J	1	0.07	ND		1	0.07	ND		1	0.07
Chloroethane	75-00-3	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethene	75-35-4	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
trans-1,2-Dichloroethene	156-60-5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	79-01-6	5	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
1,2-Dichlorobenzene	95-50-1	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichlorobenzene	541-73-1	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dichlorobenzene	106-46-7	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Methyl tert butyl ether	1634-04-4	10	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p/m-Xylene	179601-23-1	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Xylene	95-47-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Xylenes, Total	1330-20-7		ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
cis-1,2-Dichloroethene	156-59-2	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethene, Total	540-59-0		ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dibromomethane	74-95-3	5	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
1,2,3-Trichloropropane	96-18-4	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Acrylonitrile	107-13-1	5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Styrene	100-42-5	930	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dichlorodifluoromethane	75-71-8	5	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
Acetone	67-64-1	50	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Carbon disulfide	75-15-0	60	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
2-Butanone	78-93-3	50	ND		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9
Vinyl acetate	108-05-4		ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
4-Methyl-2-pentanone	108-10-1		ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
2-Hexanone	591-78-6	50	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
Bromochloromethane	74-97-5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
2,2-Dichloropropane	594-20-7	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromoethane	106-93-4	0.0006	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,3-Dichloropropane	142-28-9	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1,1,2-Tetrachloroethane	630-20-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromobenzene	108-86-1	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Butylbenzene	104-51-8	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
sec-Butylbenzene	135-98-8	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
tert-Butylbenzene	98-06-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Chlorotoluene	95-49-8	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Chlorotoluene	106-43-4	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Hexachlorobutadiene	87-68-3	0.5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Isopropylbenzene	98-82-8	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Isopropyltoluene	99-87-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	91-20-3	10	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	103-65-1	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichlorobenzene	87-61-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trichlorobenzene	120-82-1	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3,5-Trimethylbenzene	108-67-8	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trimethylbenzene	95-63-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dioxane	123-91-1		ND		250	61	ND		250	61	ND		250	61	ND		250	61	ND		250	61
p-Diethylbenzene	105-05-5		ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7
p-Ethyltoluene	622-96-8		ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7
1,2,4,5-Tetramethylbenzene	95-93-2	5	ND		2	0.54	ND		2	0.54	ND		2	0.54	ND		2	0.54	ND		2	0.54
Ethyl ether	60-29-7		ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
trans-1,4-Dichloro-2-butene	110-57-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Total VOCs			0.08	-	-	-	-	-	-	-	0.09	-	-	-	-	-	-	-	-	-	-	-
POLYCHLORINATED BIPHENYLS BY GC																						
Aroclor 1016	12674-11-2	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-
Aroclor 1221	11104-28-2	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-
Aroclor 1232	11141-16-5	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-
Aroclor 1242	53469-21-9	0.09	0.514		0.071	0.061	ND		0.071	0.061	0.413		0.071	0.061	ND		0.071	0.061	-	-	-	-
Aroclor 1248	12672-29-6	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-
Aroclor 1254	11097-69-1	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-
Aroclor 1260	11096-82-5	0.09	0.389		0.071	0.061	0.069	J	0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-
Aroclor 1262	37324-23-5	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-
Aroclor 1268	11100-14-4	0.09	ND		0.071	0.061	0.073		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-
PCBs, Total	1336-36-3		0.903		0.071	0.061	0.142	J	0.071	0.061	0.413		0.071	0.061	ND		0.071	0.061	-	-	-	-

* Comparison is not performed on parameters with non-numeric criteria.

NOTES:

TOS GA: Division of Water Technical and Operational Guidance Series 1.1.1

Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998

Q= Data Qualifier

ND= Not Detected

NA= Not Applicable

J= Estimated Value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

µg/L= microgram per Liter

Results exceed BY TOGS Water Quality Standards

Analytical Detection (below NY TOGS) (there are highlighted to evaluate detection trends for future reference)

ATTACHMENT D –

3/14/21 ANALYTICAL REPORT, ALPHA ANALYTICAL LABORATORIES

www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L2111103

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Project Name: FORMER BICC CABLES SITE
Project Number: 05697.0006

Lab Number: L2111103
Report Date: 03/14/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2111103-01	RMW-3	WATER	YONKERS, NY	03/05/21 09:10	03/05/21
L2111103-02	RMW-4	WATER	YONKERS, NY	03/05/21 11:55	03/05/21
L2111103-03	DUP 1	WATER	YONKERS, NY	03/05/21 00:00	03/05/21
L2111103-04	FB030521	WATER	YONKERS, NY	03/05/21 10:20	03/05/21
L2111103-05	TRIP BLANK	WATER	YONKERS, NY	03/03/21 00:00	03/05/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

March 14, 2021: This final report includes the results of all requested analyses.

March 12, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

PCBs

L2111103-01 and -03 contains peaks which match the retention times for Aroclor 1242, but do not match the area ratios typical for this aroclor. The result for Aroclor 1242 is reported as "altered".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Report Date: 03/14/21

Title: Technical Director/Representative

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L2111103

Account Name : PS&S Engineering, Inc.
Project Number : 05697.0006
Project Name : FORMER BICC CABLES SITE

Received : 05-MAR-2021
Reviewer : Connor Fox

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.7	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between sample labels & COC?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 14 2021, 08:01 pm

Login Number: L2111103
Account: PS&SENG PS&S Engineering, Inc.Project: 05697.0006
Received: 05MAR21 Due Date: 12MAR21

Sample #	Client ID	Mat	PR	Collected
L2111103-01	RMW-3	S0	1	05MAR21 09:10
L2111103-01	MS L2111103-01 MSD ASP-B Package Due Date: 03/12/21			
	ASP-B,MS/MSD,NYTCL-8082-LVI,NYTCL-8260			
L2111103-02	RMW-4	S0	1	05MAR21 11:55
	| Package Due Date: 03/12/21			
	NYTCL-8082-LVI,NYTCL-8260			
L2111103-03	DUP 1	S0	1	05MAR21 00:00
	| Package Due Date: 03/12/21			
	NYTCL-8082-LVI,NYTCL-8260			
L2111103-04	FB030521	S0	1	05MAR21 10:20
	| Package Due Date: 03/12/21			
	NYTCL-8082-LVI,NYTCL-8260			
L2111103-05	TRIP BLANK	S0	1	03MAR21 00:00
	| Package Due Date: 03/12/21			
	NYTCL-8260			

Logged By: Heather Hayden

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/5/21

ALPHA Job #: L2111105

Client Information

Client: PS&S
Address: 1 Larkin Plaza 2nd Floor
Yonkers, NY 10701
Phone: ~~732-584-0695~~
Fax: ~~908-745-8934~~
Email: JBoyer@PSANDS.com

Project Information

Project Name: Former BICC Cables Site
Project Location: Yonkers, NY
Project #: 05697.0006
(Use Project name as Project #)
Project Manager: James Boyer
ALPHAQuote #: 344454

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

[ ] ASP-A [ ] ASP-B
[X] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[X] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[ ] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Any questions contact James Boyer 908-745-8934

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TCL PCB	Total Bottle	Sample Specific Comments
11103-01	RMW-3	3/5/21	0910	GW	AG	X	X		MS/MSD
-02	RMW-4	3/5/21	1155	GW	AG	X	X		
-03	Dup 1	3/5/21		GW	AG	X	X		
-04	FB030521	3/5/21	1020			X	X		
-05	Trip Blank					X			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A
Preservative	B	A

Relinquished By:	Date/Time	Received By:	Date/Time
	03/04/21 2:47PM	[illegible] AAL	3/5/21 14:47
[illegible] AAL	3/5/21 16:20	D. Santos AAL	3/5/21 1630
D. Santos AAL	3/5/21 2120	[illegible]	3/5/21 2120

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: PS&S Engineering, Inc.
Project Name: FORMER BICC CABLES SITE

Lab Number: L2111103
Project Number: 05697.0006
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
RMW-3 (L2111103-01)	113	87	88	122	0
RMW-4 (L2111103-02)	103	90	87	115	0
DUP 1 (L2111103-03)	109	85	90	117	0
FB030521 (L2111103-04)	110	84	92	118	0
TRIP BLANK (L2111103-05)	108	84	92	121	0
WG1473232-3LCS	88	93	85	92	0
WG1473232-4LCSD	88	92	85	95	0
WG1473232-5BLANK	105	87	89	122	0
RMW-3MS	100	91	83	102	0
RMW-3MSD	97	91	83	98	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Matrix	: WATER		
LCS Sample ID	: WG1473232-3	**Analysis Date** : 03/11/21 07:16	**File ID** : V22210311A01
LCSD Sample ID	: WG1473232-4	**Analysis Date** : 03/11/21 07:41	**File ID** : V22210311A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.4	94	10	9.7	97	3	70-130	20
1,1-Dichloroethane	10	9.4	94	10	9.8	98	4	70-130	20
Chloroform	10	9.4	94	10	9.8	98	4	70-130	20
Carbon tetrachloride	10	9.4	94	10	9.8	98	4	63-132	20
1,2-Dichloropropane	10	8.9	89	10	9.1	91	2	70-130	20
Dibromochloromethane	10	8.6	86	10	8.2	82	5	63-130	20
1,1,2-Trichloroethane	10	8.6	86	10	8.0	80	7	70-130	20
Tetrachloroethene	10	9.3	93	10	9.1	91	2	70-130	20
Chlorobenzene	10	9.2	92	10	9.1	91	1	75-130	20
Trichlorofluoromethane	10	9.9	99	10	10	100	1	62-150	20
1,2-Dichloroethane	10	8.5	85	10	8.8	88	3	70-130	20
1,1,1-Trichloroethane	10	9.6	96	10	10	100	4	67-130	20
Bromodichloromethane	10	9.1	91	10	9.5	95	4	67-130	20
trans-1,3-Dichloropropene	10	9.0	90	10	8.5	85	6	70-130	20
cis-1,3-Dichloropropene	10	7.9	79	10	8.1	81	3	70-130	20
1,1-Dichloropropene	10	8.9	89	10	9.3	93	4	70-130	20
Bromoform	10	8.2	82	10	7.8	78	5	54-136	20
1,1,2,2-Tetrachloroethane	10	7.8	78	10	7.8	78	0	67-130	20
Benzene	10	9.6	96	10	9.6	96	0	70-130	20
Toluene	10	9.4	94	10	9.2	92	2	70-130	20
Ethylbenzene	10	9.6	96	10	9.4	94	2	70-130	20
Chloromethane	10	8.9	89	10	9.3	93	4	64-130	20
Bromomethane	10	5.3	53	10	5.7	57	7	39-139	20
Vinyl chloride	10	9.6	96	10	9.8	98	2	55-140	20
Chloroethane	10	7.8	78	10	8.0	80	3	55-138	20
1,1-Dichloroethene	10	10	100	10	10	100	0	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Matrix	: WATER		
LCS Sample ID	: WG1473232-3	**Analysis Date** : 03/11/21 07:16	**File ID** : V22210311A01
LCSD Sample ID	: WG1473232-4	**Analysis Date** : 03/11/21 07:41	**File ID** : V22210311A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Trichloroethene	10	9.6	96	10	9.7	97	1	70-130	20
1,2-Dichlorobenzene	10	9.5	95	10	9.4	94	1	70-130	20
1,3-Dichlorobenzene	10	9.5	95	10	9.6	96	1	70-130	20
1,4-Dichlorobenzene	10	9.4	94	10	9.3	93	1	70-130	20
Methyl tert butyl ether	10	8.5	85	10	8.5	85	0	63-130	20
p/m-Xylene	20	20	100	20	20	100	0	70-130	20
o-Xylene	20	21	105	20	21	105	0	70-130	20
cis-1,2-Dichloroethene	10	9.7	97	10	10	100	3	70-130	20
Dibromomethane	10	9.0	90	10	9.1	91	1	70-130	20
1,2,3-Trichloropropane	10	7.6	76	10	7.4	74	3	64-130	20
Acrylonitrile	10	9.3	93	10	9.4	94	1	70-130	20
Styrene	20	21	105	20	21	105	0	70-130	20
Dichlorodifluoromethane	10	10	100	10	10	100	0	36-147	20
Acetone	10	9.1	91	10	9.0	90	1	58-148	20
Carbon disulfide	10	12	120	10	12	120	0	51-130	20
2-Butanone	10	8.7	87	10	8.6	86	1	63-138	20
Vinyl acetate	10	7.5	75	10	7.4	74	1	70-130	20
4-Methyl-2-pentanone	10	6.7	67	10	6.3	63	6	59-130	20
2-Hexanone	10	6.0	60	10	6.4	64	6	57-130	20
Bromochloromethane	10	10	100	10	10	100	0	70-130	20
2,2-Dichloropropane	10	11	110	10	12	120	9	63-133	20
1,2-Dibromoethane	10	8.5	85	10	8.0	80	6	70-130	20
1,3-Dichloropropane	10	9.5	95	10	9.2	92	3	70-130	20
1,1,1,2-Tetrachloroethane	10	8.7	87	10	8.2	82	6	64-130	20
Bromobenzene	10	8.8	88	10	8.9	89	1	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Matrix	: WATER		
LCS Sample ID	: WG1473232-3	**Analysis Date** : 03/11/21 07:16	**File ID** : V22210311A01
LCSD Sample ID	: WG1473232-4	**Analysis Date** : 03/11/21 07:41	**File ID** : V22210311A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	9.6	96	10	9.6	96	0	53-136	20
sec-Butylbenzene	10	10	100	10	10	100	0	70-130	20
tert-Butylbenzene	10	8.5	85	10	8.4	84	1	70-130	20
o-Chlorotoluene	10	9.3	93	10	9.2	92	1	70-130	20
p-Chlorotoluene	10	9.4	94	10	9.4	94	0	70-130	20
1,2-Dibromo-3-chloropropane	10	8.3	83	10	8.0	80	4	41-144	20
Hexachlorobutadiene	10	11	110	10	11	110	0	63-130	20
Isopropylbenzene	10	9.2	92	10	8.9	89	3	70-130	20
p-Isopropyltoluene	10	9.6	96	10	9.7	97	1	70-130	20
Naphthalene	10	9.6	96	10	9.7	97	1	70-130	20
n-Propylbenzene	10	9.7	97	10	9.4	94	3	69-130	20
1,2,3-Trichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,2,4-Trichlorobenzene	10	9.7	97	10	9.7	97	0	70-130	20
1,3,5-Trimethylbenzene	10	8.9	89	10	8.9	89	0	64-130	20
1,2,4-Trimethylbenzene	10	8.9	89	10	8.9	89	0	70-130	20
1,4-Dioxane	500	490	98	500	490	98	0	56-162	20
p-Diethylbenzene	10	8.6	86	10	8.7	87	1	70-130	20
p-Ethyltoluene	10	9.7	97	10	9.5	95	2	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.1	91	10	9.2	92	1	70-130	20
Ethyl ether	10	9.3	93	10	9.8	98	5	59-134	20
trans-1,4-Dichloro-2-butene	10	7.6	76	10	7.3	73	4	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Client Sample ID	: RMW-3	**Matrix**	: WATER
Lab Sample ID	: L2111103-01	**Analysis Date**	: 03/11/21 12:14
Matrix Spike	: WG1473232-6	**MS Analysis Date**	: 03/11/21 17:38
Matrix Spike Dup	: WG1473232-7	**MSD Analysis Date**	: 03/11/21 18:03

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	11	110	10	11	110	0	70-130	20
1,1-Dichloroethane	ND	10	11	110	10	11	110	0	70-130	20
Chloroform	ND	10	11	110	10	11	110	0	70-130	20
Carbon tetrachloride	ND	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	ND	10	9.7	97	10	10	100	3	70-130	20
Dibromochloromethane	ND	10	8.2	82	10	8.6	86	5	63-130	20
1,1,2-Trichloroethane	ND	10	8.4	84	10	8.8	88	5	70-130	20
Tetrachloroethene	ND	10	8.9	89	10	9.2	92	3	70-130	20
Chlorobenzene	ND	10	9.4	94	10	9.7	97	3	75-130	20
Trichlorofluoromethane	ND	10	11	110	10	11	110	0	62-150	20
1,2-Dichloroethane	ND	10	9.8	98	10	10	100	2	70-130	20
1,1,1-Trichloroethane	ND	10	11	110	10	11	110	0	67-130	20
Bromodichloromethane	ND	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	ND	10	7.9	79	10	8.2	82	4	70-130	20
cis-1,3-Dichloropropene	ND	10	7.7	77	10	8.0	80	4	70-130	20
1,1-Dichloropropene	ND	10	9.6	96	10	10	100	4	70-130	20
Bromoform	ND	10	7.6	76	10	8.1	81	6	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	8.2	82	10	8.9	89	8	67-130	20
Benzene	ND	10	10	100	10	10	100	0	70-130	20
Toluene	ND	10	9.5	95	10	9.7	97	2	70-130	20
Ethylbenzene	ND	10	9.5	95	10	9.7	97	2	70-130	20
Chloromethane	ND	10	10	100	10	10	100	0	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Client Sample ID	: RMW-3	**Matrix**	: WATER
Lab Sample ID	: L2111103-01	**Analysis Date**	: 03/11/21 12:14
Matrix Spike	: WG1473232-6	**MS Analysis Date**	: 03/11/21 17:38
Matrix Spike Dup	: WG1473232-7	**MSD Analysis Date**	: 03/11/21 18:03

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Bromomethane	ND	10	3.0	30	Q	10	3.3	33	Q	10	39-139	20
Vinyl chloride	0.08J	10	11	110		10	11	110		0	55-140	20
Chloroethane	ND	10	8.8	88		10	9.5	95		8	55-138	20
1,1-Dichloroethene	ND	10	11	110		10	11	110		0	61-145	20
trans-1,2-Dichloroethene	ND	10	11	110		10	11	110		0	70-130	20
Trichloroethene	ND	10	10	100		10	11	110		10	70-130	20
1,2-Dichlorobenzene	ND	10	9.3	93		10	9.9	99		6	70-130	20
1,3-Dichlorobenzene	ND	10	9.2	92		10	9.8	98		6	70-130	20
1,4-Dichlorobenzene	ND	10	9.2	92		10	9.8	98		6	70-130	20
Methyl tert butyl ether	ND	10	8.8	88		10	9.6	96		9	63-130	20
p/m-Xylene	ND	20	20	100		20	20	100		0	70-130	20
o-Xylene	ND	20	20	100		20	21	105		5	70-130	20
cis-1,2-Dichloroethene	ND	10	11	110		10	11	110		0	70-130	20
Dibromomethane	ND	10	10	100		10	10	100		0	70-130	20
1,2,3-Trichloropropane	ND	10	7.9	79		10	8.5	85		7	64-130	20
Acrylonitrile	ND	10	11	110		10	11	110		0	70-130	20
Styrene	ND	20	21	105		20	22	110		5	70-130	20
Dichlorodifluoromethane	ND	10	11	110		10	12	120		9	36-147	20
Acetone	ND	10	11	110		10	12	120		9	58-148	20
Carbon disulfide	ND	10	14	140	Q	10	14	140	Q	0	51-130	20
2-Butanone	ND	10	9.2	92		10	10	100		8	63-138	20
Vinyl acetate	ND	10	7.4	74		10	7.9	79		7	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Client Sample ID	: RMW-3	**Matrix**	: WATER
Lab Sample ID	: L2111103-01	**Analysis Date**	: 03/11/21 12:14
Matrix Spike	: WG1473232-6	**MS Analysis Date**	: 03/11/21 17:38
Matrix Spike Dup	: WG1473232-7	**MSD Analysis Date**	: 03/11/21 18:03

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
4-Methyl-2-pentanone	ND	10	6.7	67	10	7.0	70	4	59-130	20
2-Hexanone	ND	10	6.8	68	10	7.7	77	12	57-130	20
Bromochloromethane	ND	10	12	120	10	12	120	0	70-130	20
2,2-Dichloropropane	ND	10	8.9	89	10	9.2	92	3	63-133	20
1,2-Dibromoethane	ND	10	8.0	80	10	8.6	86	7	70-130	20
1,3-Dichloropropane	ND	10	9.3	93	10	9.9	99	6	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	8.3	83	10	8.7	87	5	64-130	20
Bromobenzene	ND	10	8.6	86	10	9.2	92	7	70-130	20
n-Butylbenzene	ND	10	9.1	91	10	9.5	95	4	53-136	20
sec-Butylbenzene	ND	10	9.4	94	10	9.9	99	5	70-130	20
tert-Butylbenzene	ND	10	7.9	79	10	8.5	85	7	70-130	20
o-Chlorotoluene	ND	10	9.0	90	10	9.6	96	6	70-130	20
p-Chlorotoluene	ND	10	9.2	92	10	9.7	97	5	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	8.0	80	10	8.7	87	8	41-144	20
Hexachlorobutadiene	ND	10	9.6	96	10	10	100	4	63-130	20
Isopropylbenzene	ND	10	8.7	87	10	9.2	92	6	70-130	20
p-Isopropyltoluene	ND	10	9.0	90	10	9.7	97	7	70-130	20
Naphthalene	ND	10	9.9	99	10	11	110	11	70-130	20
n-Propylbenzene	ND	10	9.2	92	10	9.6	96	4	69-130	20
1,2,3-Trichlorobenzene	ND	10	10	100	10	11	110	10	70-130	20
1,2,4-Trichlorobenzene	ND	10	9.3	93	10	9.9	99	6	70-130	20
1,3,5-Trimethylbenzene	ND	10	8.5	85	10	9.2	92	8	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Client Sample ID	: RMW-3	**Matrix**	: WATER
Lab Sample ID	: L2111103-01	**Analysis Date**	: 03/11/21 12:14
Matrix Spike	: WG1473232-6	**MS Analysis Date**	: 03/11/21 17:38
Matrix Spike Dup	: WG1473232-7	**MSD Analysis Date**	: 03/11/21 18:03

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,2,4-Trimethylbenzene	ND	10	8.6	86	10	9.2	92	7	70-130	20
1,4-Dioxane	ND	500	480	96	500	540	108	12	56-162	20
p-Diethylbenzene	ND	10	8.0	80	10	8.5	85	6	70-130	20
p-Ethyltoluene	ND	10	9.0	90	10	9.6	96	6	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	8.6	86	10	9.2	92	7	70-130	20
Ethyl ether	ND	10	11	110	10	11	110	0	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	5.5	55 Q	10	4.1	41 Q	29 Q	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab Sample ID	: WG1473232-5	**Lab File ID**	: V22210311A05
Instrument ID	: VOA122		
Matrix	: WATER	**Analysis Date**	: 03/11/21 08:55

Client Sample No.	Lab Sample ID	Analysis Date
WG1473232-3LCS	WG1473232-3	03/11/21 07:16
WG1473232-4LCSD	WG1473232-4	03/11/21 07:41
RMW-4	L2111103-02	03/11/21 10:34
DUP 1	L2111103-03	03/11/21 10:59
FB030521	L2111103-04	03/11/21 11:24
TRIP BLANK	L2111103-05	03/11/21 11:49
RMW-3	L2111103-01	03/11/21 12:14
RMW-3MS	WG1473232-6	03/11/21 17:38
RMW-3MSD	WG1473232-7	03/11/21 18:03

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Instrument ID	: VOA122	**Analysis Date**	: 02/19/21 12:21
Tune Standard	: WG1466645-1	**Tune File ID**	: V22210219CBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	24.7
75	30.0 - 60.0% of mass 95	48.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	81.7
175	5.0 - 9.0% of mass 174	6.2 (7.6)1
176	95.0 - 101% of mass 174	77.8 (95.2)1
177	5.0 - 9.0% of mass 176	5.5 (7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1403503-1	V22210219C03	02/19/21 13:31
STD0.5PPB	R1403503-2	V22210219C05	02/19/21 14:20
STD2PPB	R1403503-3	V22210219C07	02/19/21 15:10
STD10PPB	R1403503-4	V22210219C08	02/19/21 15:35
STD30PPB	R1403503-5	V22210219C09	02/19/21 16:00
STD80PPB	R1403503-7	V22210219C10	02/19/21 16:24
STD120PPB	R1403503-6	V22210219C11	02/19/21 16:49
STD200PPB	R1403503-9	V22210219C12	02/19/21 17:14
ICV Quant Report	R1403503-8	V22210219C18	02/19/21 19:42
ICV Quant Report	R1403503-10	V22210219C19	02/19/21 20:07

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Instrument ID	: VOA122	**Analysis Date**	: 03/11/21 07:02
Tune Standard	: WG1473232-1	**Tune File ID**	: V22210311ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	47.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	82.6
175	5.0 - 9.0% of mass 174	6.3 (7.6)1
176	95.0 - 101% of mass 174	79.7 (96.5)1
177	5.0 - 9.0% of mass 176	5.3 (6.7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1473232-2CCAL	WG1473232-2	V22210311A01	03/11/21 07:16
WG1473232-3LCS	WG1473232-3	V22210311A01	03/11/21 07:16
WG1473232-4LCSD	WG1473232-4	V22210311A02	03/11/21 07:41
WG1473232-5BLANK	WG1473232-5	V22210311A05	03/11/21 08:55
RMW-4	L2111103-02	V22210311A09	03/11/21 10:34
DUP 1	L2111103-03	V22210311A10	03/11/21 10:59
FB030521	L2111103-04	V22210311A11	03/11/21 11:24
TRIP BLANK	L2111103-05	V22210311A12	03/11/21 11:49
RMW-3	L2111103-01	V22210311A13	03/11/21 12:14
WG1473232-6MS	WG1473232-6	V22210311A26	03/11/21 17:38
WG1473232-7MSD	WG1473232-7	V22210311A27	03/11/21 18:03

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Instrument ID	: VOA122	**Analysis Date**	: 03/11/21 07:16:00
Sample No	: WG1473232-2	**Lab File ID**	: V22210311A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1473232-2	265339	5.66	195460	9.17	112718	11.96
Upper Limit	530678	6.16	390920	9.67	225436	12.46
Lower Limit	132670	5.16	97730	8.67	56359	11.46
Sample ID						
WG1473232-3 LCS	265339	5.66	195460	9.17	112718	11.96
WG1473232-4 LCSD	258196	5.67	201504	9.17	114269	11.96
WG1473232-5 BLANK	189468	5.67	173429	9.17	97289	11.96
RMW-4	197167	5.67	172106	9.17	97102	11.96
DUP 1	191155	5.67	169858	9.17	94993	11.96
FB030521	181621	5.67	168696	9.17	92125	11.96
TRIP BLANK	182741	5.67	166522	9.17	89820	11.96
RMW-3	178762	5.67	159849	9.17	90866	11.96
RMW-3 MS	215496	5.67	174424	9.17	101964	11.96
RMW-3 MSD	221500	5.67	179419	9.17	101731	11.96

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 06/19/18
Created By: Jason Hebert
File: PM5049-1
Page: 1

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.210	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.200	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.430	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.220	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

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Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Tertiary-Amyl Methyl Ether	994-05-8	2	0.278	ug/l	66-130	20	66-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	10	0.148	ug/l	70-130	20	70-130	20	20			
Methyl cyclohexane	108-87-2	10	0.396	ug/l	70-130	20	70-130	20	20			
1,4-Diethylbenzene	105-05-5	2	0.392	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.340	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.140	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.560	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.650	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.128	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	2	0.176	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	100	35.1	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	4	0.693	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	100	6.40	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	100	8.80	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	5000	1755	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	200	34.7	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-01	**Date Collected**	: 03/05/21 09:10
Client ID	: RMW-3	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.08	1.0	0.07	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-01	**Date Collected**	: 03/05/21 09:10
Client ID	: RMW-3	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-01	**Date Collected**	: 03/05/21 09:10
Client ID	: RMW-3	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-01	**Date Collected**	: 03/05/21 09:10
Client ID	: RMW-3	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-02	**Date Collected**	: 03/05/21 11:55
Client ID	: RMW-4	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 10:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-02	**Date Collected**	: 03/05/21 11:55
Client ID	: RMW-4	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 10:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-02	**Date Collected**	: 03/05/21 11:55
Client ID	: RMW-4	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 10:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-02	**Date Collected**	: 03/05/21 11:55
Client ID	: RMW-4	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 10:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-03	**Date Collected**	: 03/05/21 00:00
Client ID	: DUP 1	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 10:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.09	1.0	0.07	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-03	**Date Collected**	: 03/05/21 00:00
Client ID	: DUP 1	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 10:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-03	**Date Collected**	: 03/05/21 00:00
Client ID	: DUP 1	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 10:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-03	**Date Collected**	: 03/05/21 00:00
Client ID	: DUP 1	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 10:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-04	**Date Collected**	: 03/05/21 10:20
Client ID	: FB030521	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 11:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-04	**Date Collected**	: 03/05/21 10:20
Client ID	: FB030521	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 11:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-04	**Date Collected**	: 03/05/21 10:20
Client ID	: FB030521	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 11:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-04	**Date Collected**	: 03/05/21 10:20
Client ID	: FB030521	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 11:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-05	**Date Collected**	: 03/03/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 11:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-05	**Date Collected**	: 03/03/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 11:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-05	**Date Collected**	: 03/03/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 11:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-05	**Date Collected**	: 03/03/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/11/21 11:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V22210311A12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: WG1473232-5	**Date Collected**	: NA
Client ID	: WG1473232-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/11/21 08:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22210311A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: WG1473232-5	**Date Collected**	: NA
Client ID	: WG1473232-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/11/21 08:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22210311A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: WG1473232-5	**Date Collected**	: NA
Client ID	: WG1473232-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/11/21 08:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22210311A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: WG1473232-5	**Date Collected**	: NA
Client ID	: WG1473232-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/11/21 08:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22210311A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A09.D
Acq On : 11 Mar 2021 10:34 am
Operator : VOA122:AJK
Sample : L2111103-02,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 11 16:15:46 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	197167	10.000	ug/L	0.00
Standard Area 1 = 265339			Recovery =	74.31%		
62) Chlorobenzene-d5	9.170	117	172106	10.000	ug/L	0.00
Standard Area 1 = 195460			Recovery =	88.05%		
83) 1,4-Dichlorobenzene-d4	11.956	152	97102	10.000	ug/L	0.00
Standard Area 1 = 112718			Recovery =	86.15%		
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	72656	11.452	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	114.52%		
46) 1,2-Dichloroethane-d4	5.379	65	66406	10.343	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.43%		
63) Toluene-d8	7.341	98	199264	9.021	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.21%		
87) 4-Bromofluorobenzene	10.708	95	78598	8.692	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	86.92%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.717	76	878	0.084	ug/L #	73
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.	d	
30) cis-1,2-Dichloroethene	4.431	96	65	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	4.717	83	139	N.D.		

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A09.D
Acq On : 11 Mar 2021 10:34 am
Operator : VOA122:AJK
Sample : L2111103-02,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 11 16:15:46 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D. d		
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
51) Trichloroethene	0.000		0	N.D. d		
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	7.842	166	80	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D. d		
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	9.193	112	1142	0.078	ug/L #	1
78) Ethylbenzene	9.162	91	72	N.D.		
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	9.431	106	521	N.D.		
81) o Xylene	9.978	106	1356	0.156	ug/L	84
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	10.383	105	291	N.D.		
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	10.708	91	82	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
92) 4-Ethyltoluene	11.120	105	334	N.D.		
93) 2-Chlorotoluene	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	11.120	105	334	N.D.		
95) 1,2,3-Trichloropropane	0.000		0	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
97) 4-Chlorotoluene	0.000		0	N.D.		
98) tert-Butylbenzene	11.469	119	3026	0.136	ug/L	99

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A09.D
Acq On : 11 Mar 2021 10:34 am
Operator : VOA122:AJK
Sample : L2111103-02,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 11 16:15:46 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.552	105	1047	N.D.		
102) sec-Butylbenzene	11.663	105	695	N.D.		
103) p-Isopropyltoluene	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	11.970	146	68	N.D.		
105) 1,4-Dichlorobenzene	11.970	146	68	N.D.		
106) p-Diethylbenzene	12.206	119	80	N.D.		
107) n-Butylbenzene	12.366	91	527	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
109) 1,2,4,5-Tetramethylben...	13.014	119	8370	0.465	ug/L	98
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112) Hexachlorobutadiene	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	14.128	128	6686	0.430	ug/L	100
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

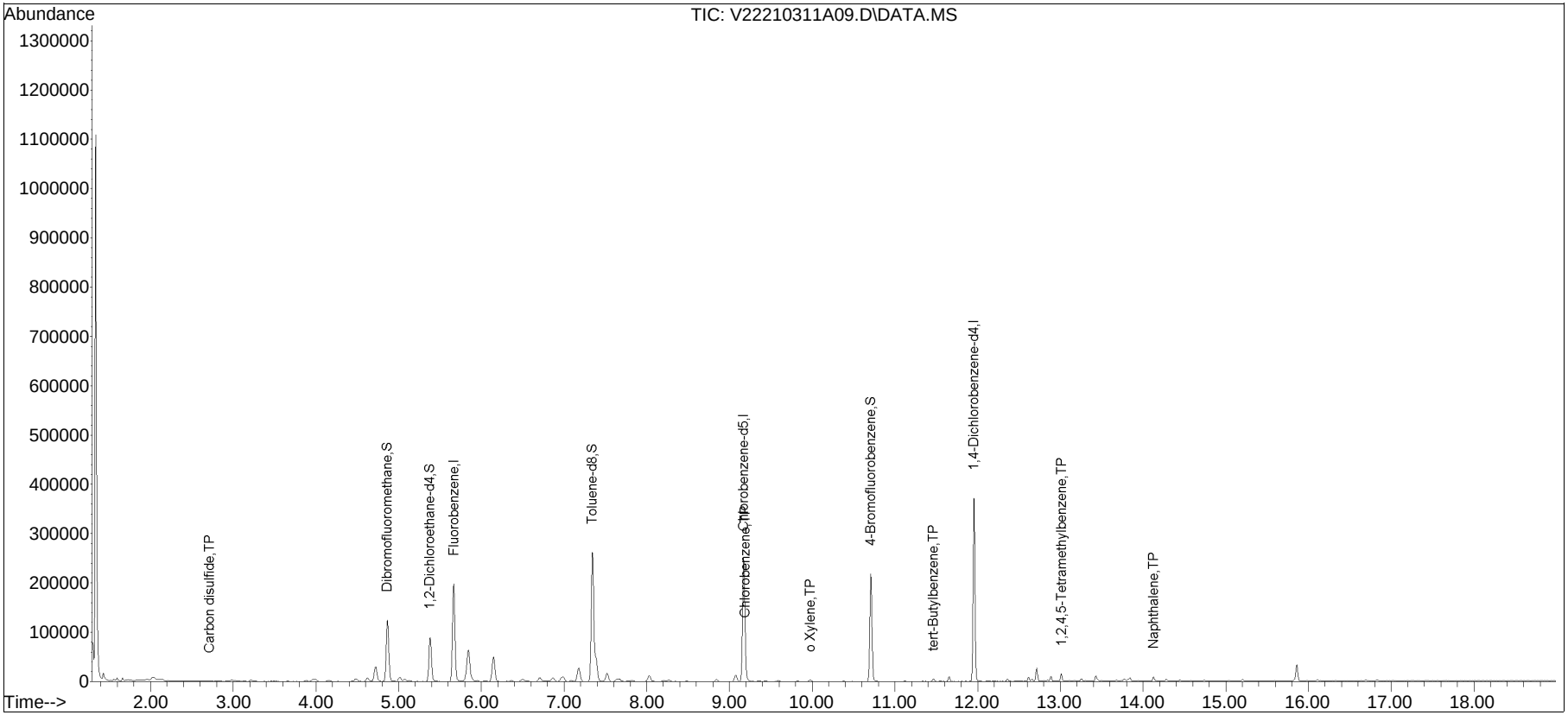
(#) = qualifier out of range (m) = manual integration (+) = signals summed

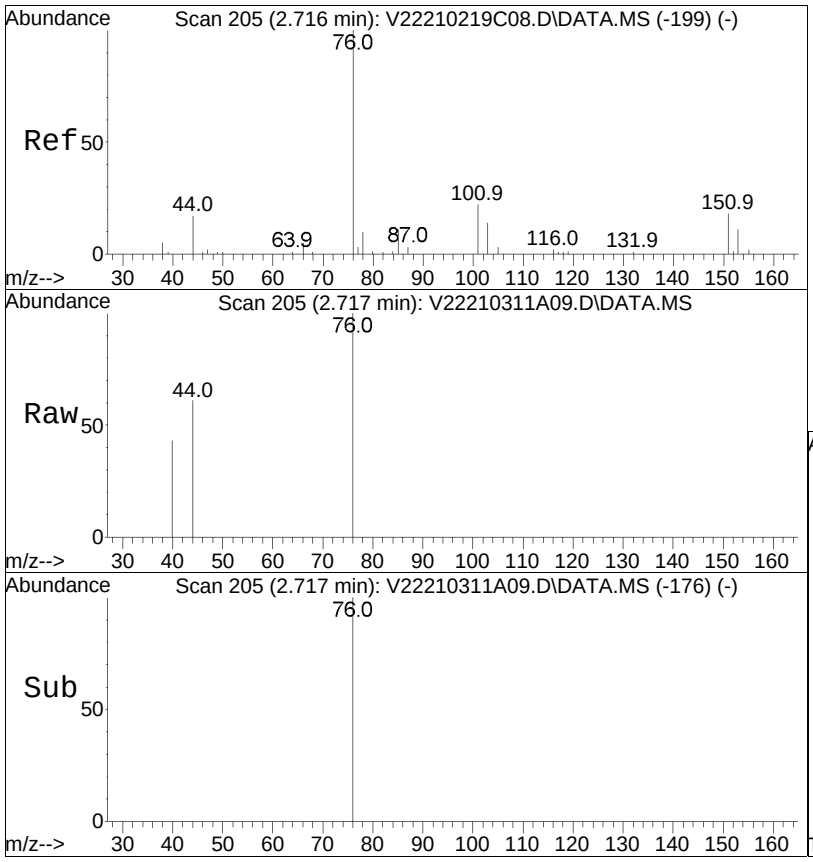
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A09.D
Acq On : 11 Mar 2021 10:34 am
Operator : VOA122:AJK
Sample : L2111103-02,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 11 16:15:46 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10311A\\V22210311A01.D•

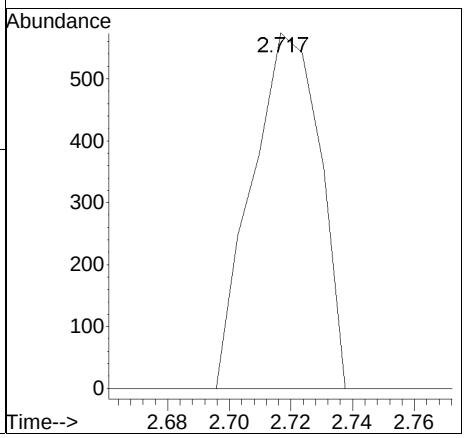


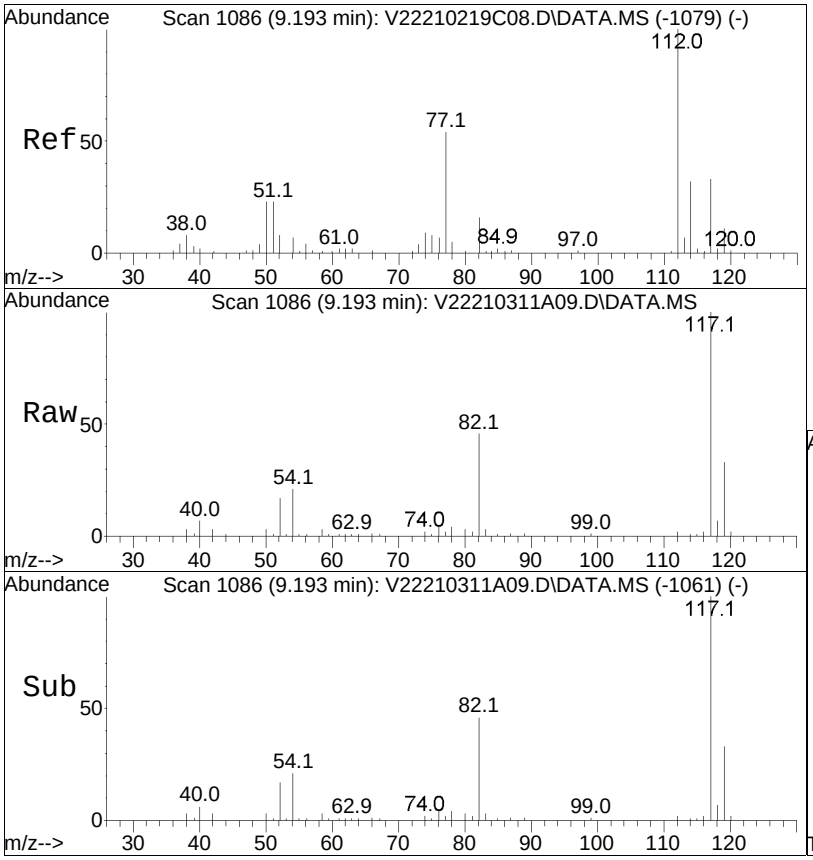


#11
Carbon disulfide
Concen: 0.08 ug/L
RT: 2.717 min Scan# 205
Delta R.T. -0.000 min
Lab File: V22210311A09.D
Acq: 11 Mar 2021 10:34 am

Tgt Ion: 76 Resp: 878

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#

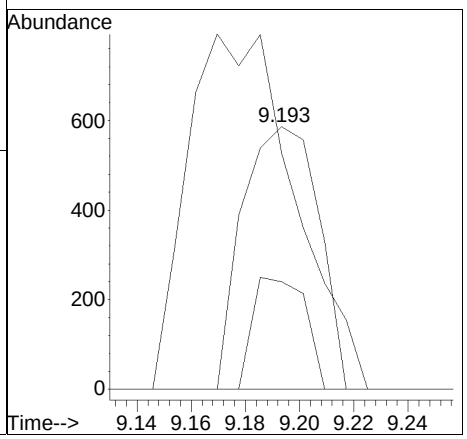


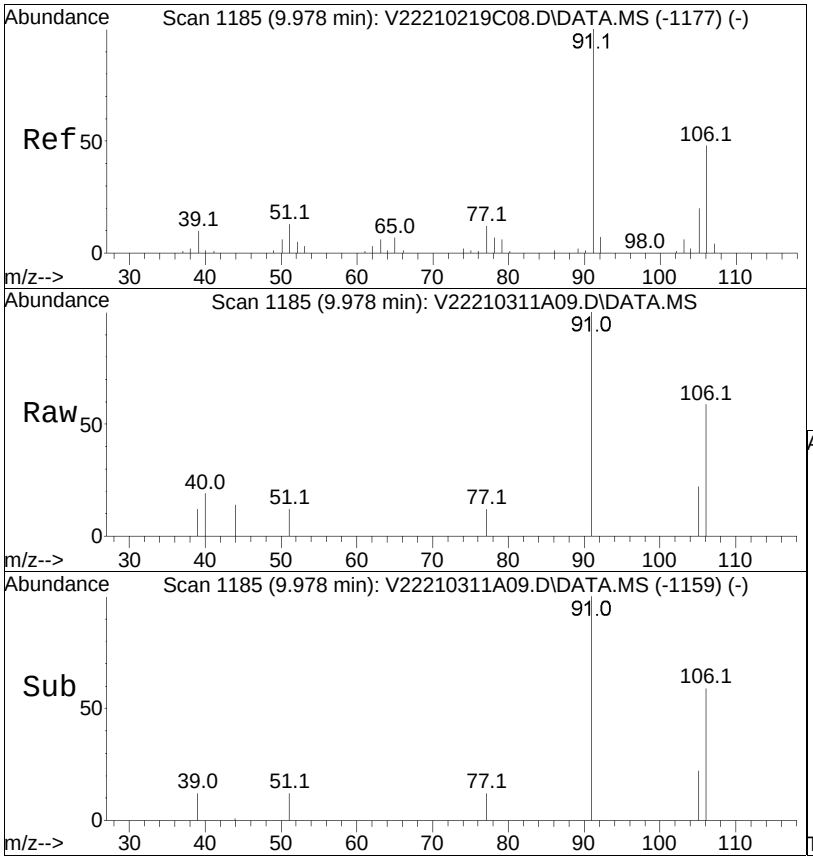


#77
Chlorobenzene
Concen: 0.08 ug/L
RT: 9.193 min Scan# 1086
Delta R.T. -0.004 min
Lab File: V22210311A09.D
Acq: 11 Mar 2021 10:34 am

Tgt Ion:112 Resp: 1142

Ion	Ratio	Lower	Upper
112	100		
77	189.9	55.4	83.0#
114	29.3	26.2	39.4

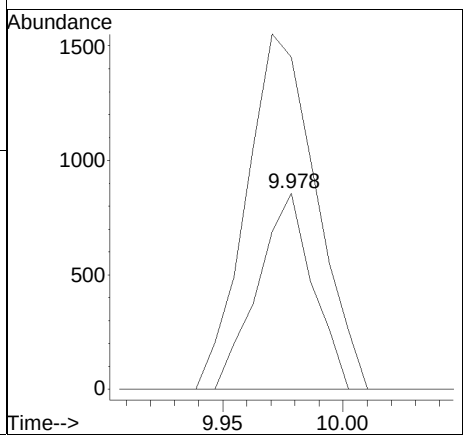


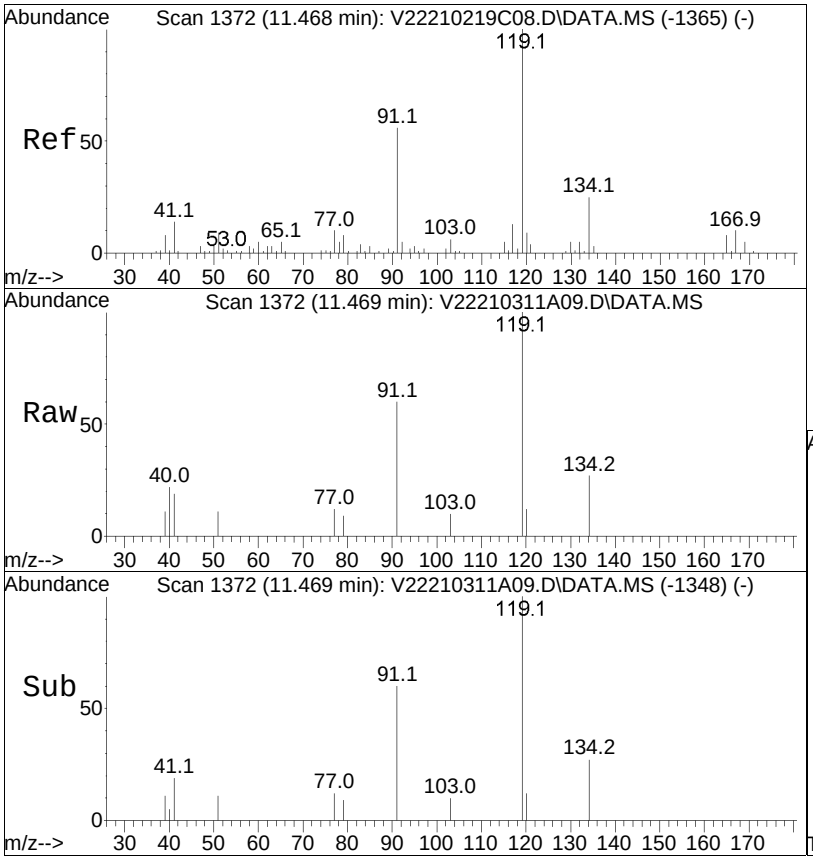


#81
o Xylene
Concen: 0.16 ug/L
RT: 9.978 min Scan# 1185
Delta R.T. 0.005 min
Lab File: V22210311A09.D
Acq: 11 Mar 2021 10:34 am

Tgt Ion:106 Resp: 1356

Ion	Ratio	Lower	Upper
106	100		
91	230.2	164.0	246.0

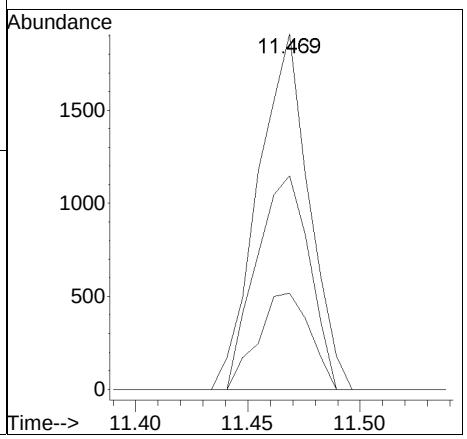


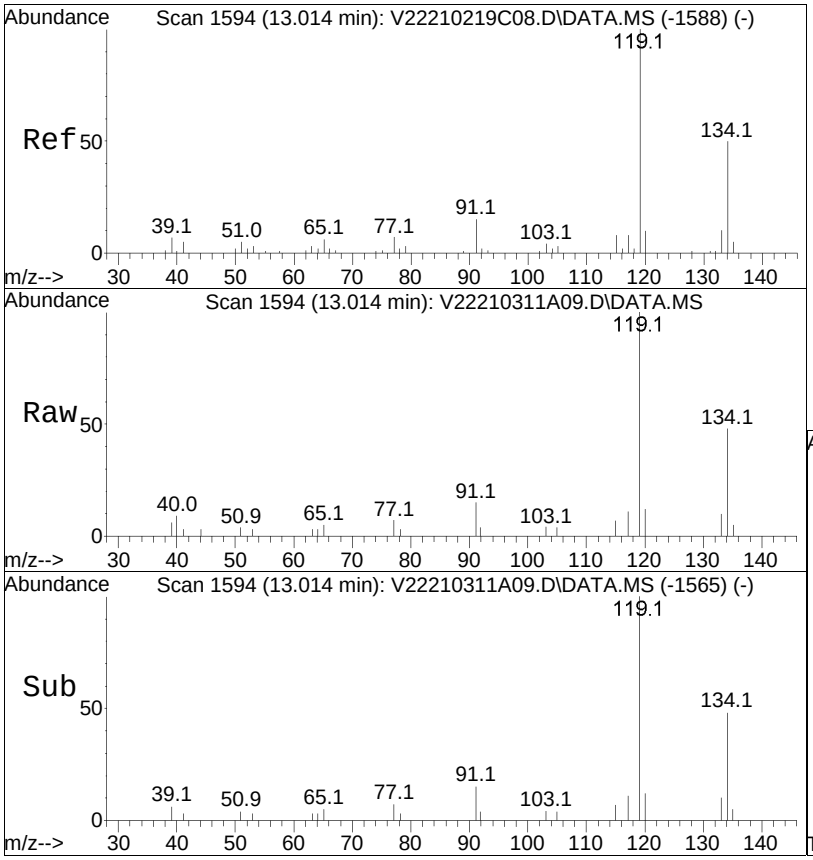


#98
tert-Butylbenzene
Concen: 0.14 ug/L
RT: 11.469 min Scan# 1372
Delta R.T. -0.000 min
Lab File: V22210311A09.D
Acq: 11 Mar 2021 10:34 am

Tgt Ion:119 Resp: 3026

Ion	Ratio	Lower	Upper
119	100		
91	62.5	50.2	75.4
134	27.5	20.8	31.2

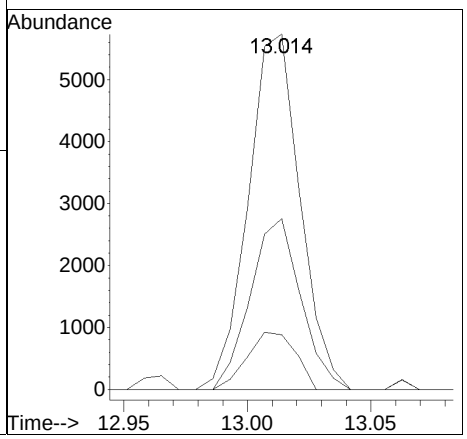


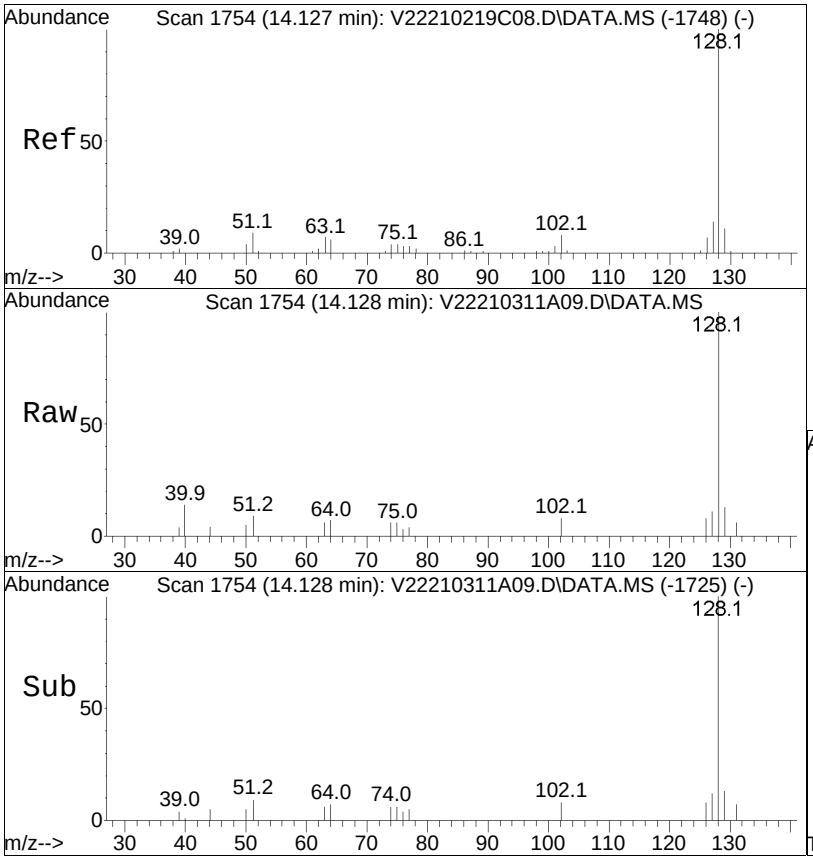


#109
1,2,4,5-Tetramethylbenzene
Concen: 0.46 ug/L
RT: 13.014 min Scan# 1594
Delta R.T. -0.000 min
Lab File: V22210311A09.D
Acq: 11 Mar 2021 10:34 am

Tgt Ion:119 Resp: 8370

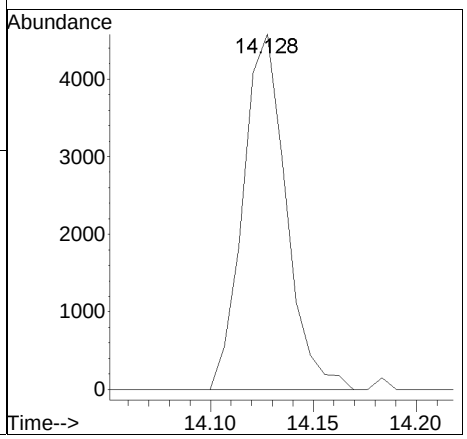
Ion	Ratio	Lower	Upper
119	100		
134	46.8	31.9	66.1
91	15.1	9.8	20.3





#114
Naphthalene
Concen: 0.43 ug/L
RT: 14.128 min Scan# 1754
Delta R.T. -0.000 min
Lab File: V22210311A09.D
Acq: 11 Mar 2021 10:34 am

Tgt Ion:128 Resp: 6686



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210219C_8260.m
Data File	: V22210311A09.D	Operator	: VOA122:AJK
Date Inj'd	: 3/11/2021 10:34 am	Instrument	: VOA122
Sample	: L2111103-02,31,10,10,,A	Quant Date	: 3/11/2021 4:12 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A10.D
Acq On : 11 Mar 2021 10:59 am
Operator : VOA122:AJK
Sample : L2111103-03,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 11 16:16:11 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	191155	10.000	ug/L	0.00
Standard Area 1 = 265339			Recovery = 72.04%			
62) Chlorobenzene-d5	9.170	117	169858	10.000	ug/L	0.00
Standard Area 1 = 195460			Recovery = 86.90%			
83) 1,4-Dichlorobenzene-d4	11.956	152	94993	10.000	ug/L	0.00
Standard Area 1 = 112718			Recovery = 84.27%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	72081	11.719	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.19%			
46) 1,2-Dichloroethane-d4	5.379	65	67915	10.911	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.11%			
63) Toluene-d8	7.348	98	185687	8.518	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.18%			
87) 4-Bromofluorobenzene	10.708	95	79652	9.004	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	1.706	62	478	0.087	ug/L #	43
5) Bromomethane	1.985	94	156	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.717	76	9352	0.918	ug/L	93
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	3.365	96	94	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	4.146	43	314	N.D.		
30) cis-1,2-Dichloroethene	4.445	96	376	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A10.D
Acq On : 11 Mar 2021 10:59 am
Operator : VOA122:AJK
Sample : L2111103-03,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 11 16:16:11 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0			N.D.
39) 1,1,1-Trichloroethane	0.000		0			N.D.
41) 2-Butanone	0.000		0			N.D.
42) 1,1-Dichloropropene	0.000		0			N.D.
44) Benzene	0.000		0			N.D.
47) 1,2-Dichloroethane	0.000		0			N.D.
51) Trichloroethene	0.000		0			N.D.
53) Dibromomethane	0.000		0			N.D.
54) 1,2-Dichloropropane	0.000		0			N.D.
57) Bromodichloromethane	0.000		0			N.D.
60) 1,4-Dioxane	0.000		0			N.D.
61) cis-1,3-Dichloropropene	0.000		0			N.D.
64) Toluene	0.000		0			N.D.
65) 4-Methyl-2-pentanone	0.000		0			N.D.
66) Tetrachloroethene	0.000		0			N.D.
68) trans-1,3-Dichloropropene	0.000		0			N.D.
71) 1,1,2-Trichloroethane	0.000		0			N.D.
72) Chlorodibromomethane	0.000		0			N.D.
73) 1,3-Dichloropropane	0.000		0			N.D.
74) 1,2-Dibromoethane	0.000		0			N.D.
76) 2-Hexanone	0.000		0			N.D.
77) Chlorobenzene	0.000		0			N.D.
78) Ethylbenzene	9.178	91	197			N.D.
79) 1,1,1,2-Tetrachloroethane	0.000		0			N.D.
80) p/m Xylene	0.000		0			N.D.
81) o Xylene	0.000		0			N.D.
82) Styrene	0.000		0			N.D.
84) Bromoform	0.000		0			N.D.
86) Isopropylbenzene	0.000		0			N.D.
88) Bromobenzene	0.000		0			N.D.
89) n-Propylbenzene	10.708	91	110			N.D.
91) 1,1,2,2-Tetrachloroethane	0.000		0			N.D.
92) 4-Ethyltoluene	0.000		0			N.D.
93) 2-Chlorotoluene	0.000		0			N.D.
94) 1,3,5-Trimethylbenzene	0.000		0			N.D.
95) 1,2,3-Trichloropropane	0.000		0			N.D.
96) trans-1,4-Dichloro-2-b...	0.000		0			N.D.
97) 4-Chlorotoluene	0.000		0			N.D.
98) tert-Butylbenzene	0.000		0			N.D.

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A10.D
Acq On : 11 Mar 2021 10:59 am
Operator : VOA122:AJK
Sample : L2111103-03,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 11 16:16:11 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	11.970	146	68		N.D.	
105) 1,4-Dichlorobenzene	11.970	146	68		N.D.	
106) p-Diethylbenzene	0.000		0		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
109) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112) Hexachlorobutadiene	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
114) Naphthalene	14.128	128	594		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

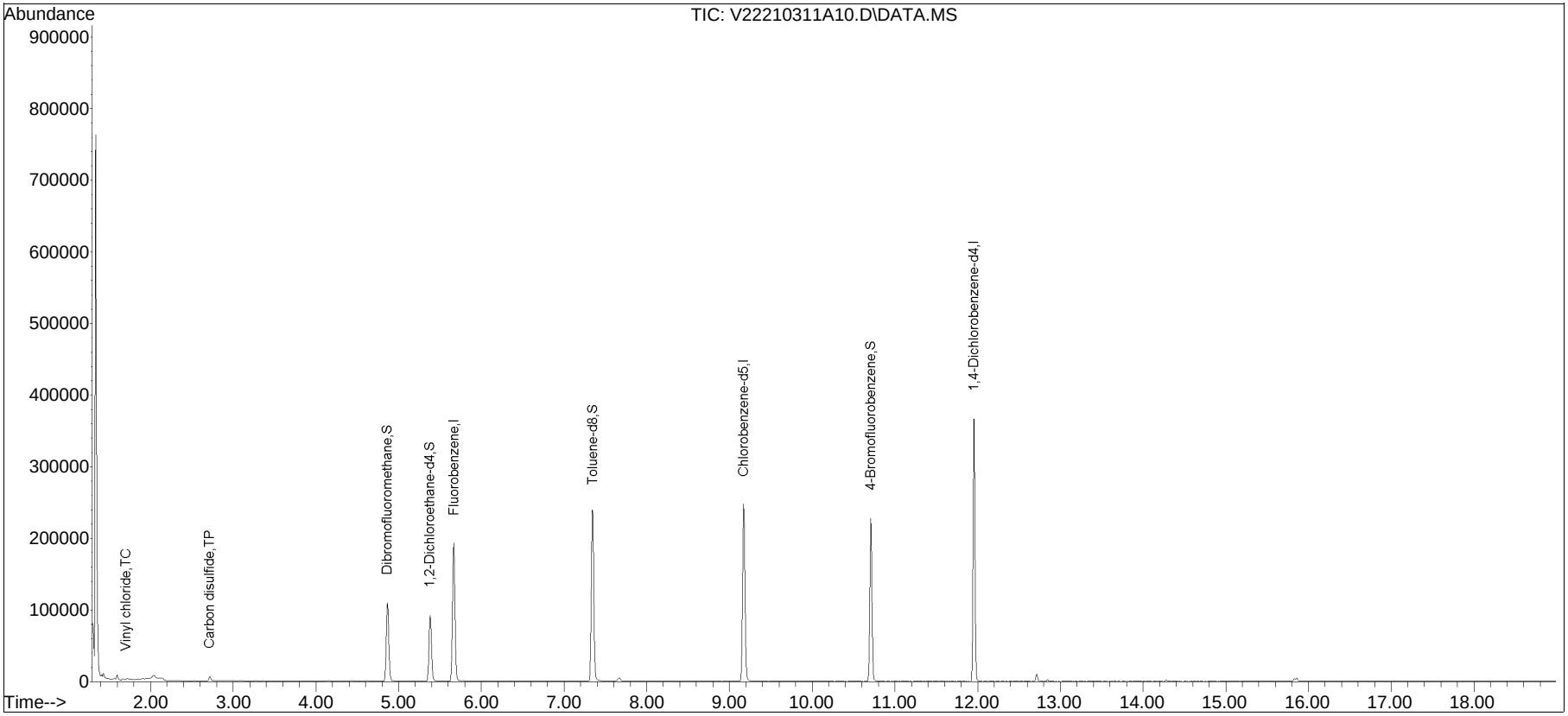
(#) = qualifier out of range (m) = manual integration (+) = signals summed

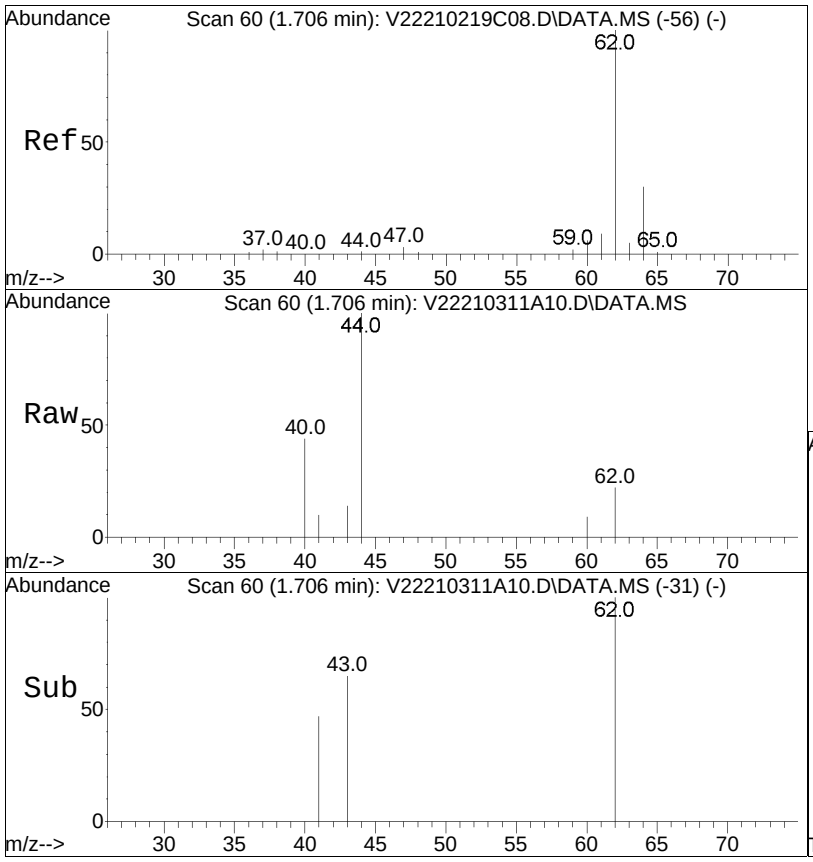
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A10.D
Acq On : 11 Mar 2021 10:59 am
Operator : VOA122:AJK
Sample : L2111103-03,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 11 16:16:11 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10311A\V22210311A01.D•

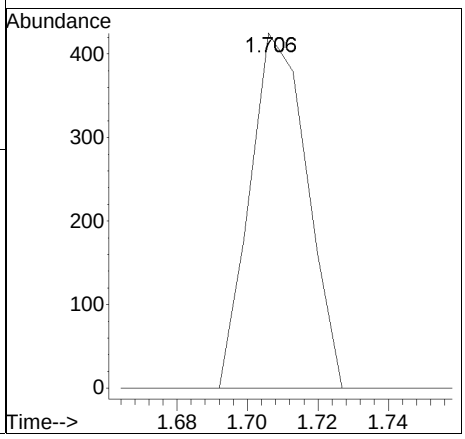


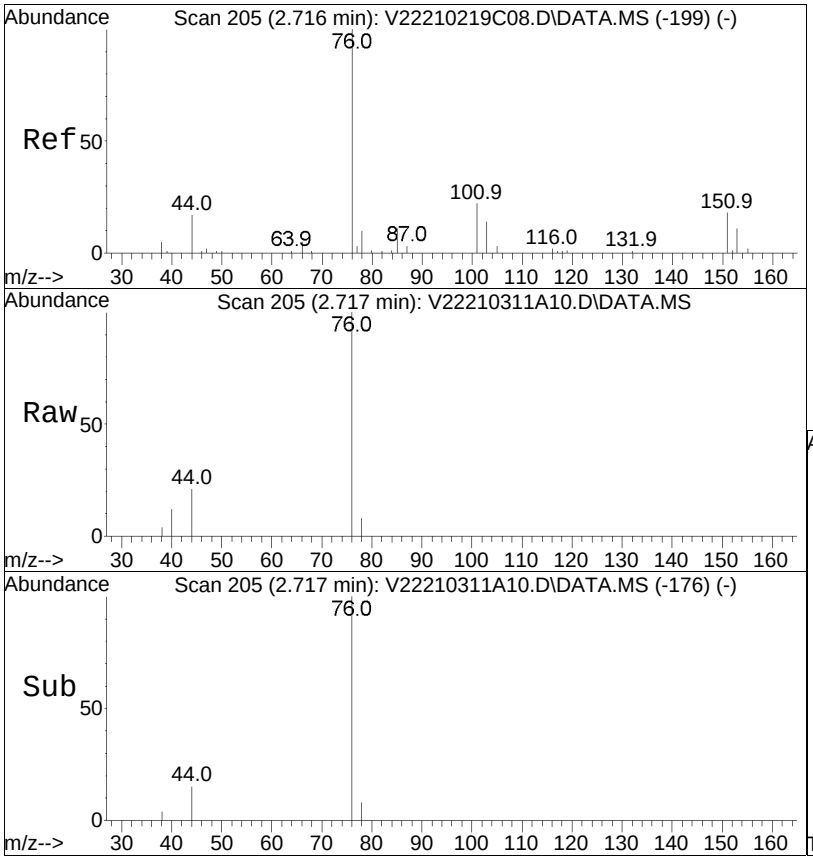


#4
Vinyl chloride
Concen: 0.09 ug/L
RT: 1.706 min Scan# 60
Delta R.T. -0.000 min
Lab File: V22210311A10.D
Acq: 11 Mar 2021 10:59 am

Tgt Ion: 62 Resp: 478

Ion	Ratio	Lower	Upper
62	100		
64	0.0	12.0	52.0#

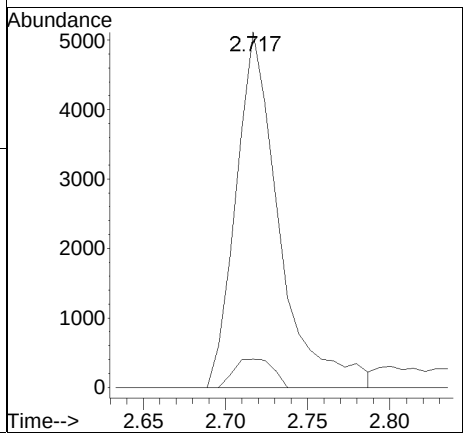




#11
Carbon disulfide
Concen: 0.92 ug/L
RT: 2.717 min Scan# 205
Delta R.T. -0.000 min
Lab File: V22210311A10.D
Acq: 11 Mar 2021 10:59 am

Tgt Ion: 76 Resp: 9352

Ion	Ratio	Lower	Upper
76	100		
78	7.2	6.4	13.4



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210219C_8260.m
Data File	: V22210311A10.D	Operator	: VOA122:AJK
Date Inj'd	: 3/11/2021 10:59 am	Instrument	: VOA122
Sample	: L2111103-03,31,10,10,,A	Quant Date	: 3/11/2021 4:13 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A11.D
Acq On : 11 Mar 2021 11:24 am
Operator : VOA122:AJK
Sample : L2111103-04,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 11 16:16:36 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	181621	10.000 ug/L	0.00
Standard Area 1 = 265339			Recovery =	68.45%	
62) Chlorobenzene-d5	9.169	117	168696	10.000 ug/L	0.00
Standard Area 1 = 195460			Recovery =	86.31%	
83) 1,4-Dichlorobenzene-d4	11.956	152	92125	10.000 ug/L	0.00
Standard Area 1 = 112718			Recovery =	81.73%	
System Monitoring Compounds					
38) Dibromofluoromethane	4.863	113	69211	11.843 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	118.43%	
46) 1,2-Dichloroethane-d4	5.379	65	64814	10.959 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	109.59%	
63) Toluene-d8	7.348	98	182820	8.444 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	84.44%	
87) 4-Bromofluorobenzene	10.708	95	79200	9.231 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.31%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.594	50	86	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	1.998	94	249	0.084 ug/L #	43
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.716	76	743	0.077 ug/L #	73
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A11.D
Acq On : 11 Mar 2021 11:24 am
Operator : VOA122:AJK
Sample : L2111103-04,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 11 16:16:36 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0		N.D.	
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
42) 1,1-Dichloropropene	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
53) Dibromomethane	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	7.407	92	168		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
73) 1,3-Dichloropropane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.169	91	90		N.D.	
79) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
88) Bromobenzene	0.000		0		N.D.	
89) n-Propylbenzene	10.716	91	171		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
92) 4-Ethyltoluene	0.000		0		N.D.	
93) 2-Chlorotoluene	0.000		0		N.D.	
94) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
95) 1,2,3-Trichloropropane	0.000		0		N.D.	
96) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
97) 4-Chlorotoluene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A11.D
Acq On : 11 Mar 2021 11:24 am
Operator : VOA122:AJK
Sample : L2111103-04,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 11 16:16:36 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	0.000		0		N.D.	
105) 1,4-Dichlorobenzene	0.000		0		N.D.	
106) p-Diethylbenzene	0.000		0		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
109) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112) Hexachlorobutadiene	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
114) Naphthalene	0.000		0		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

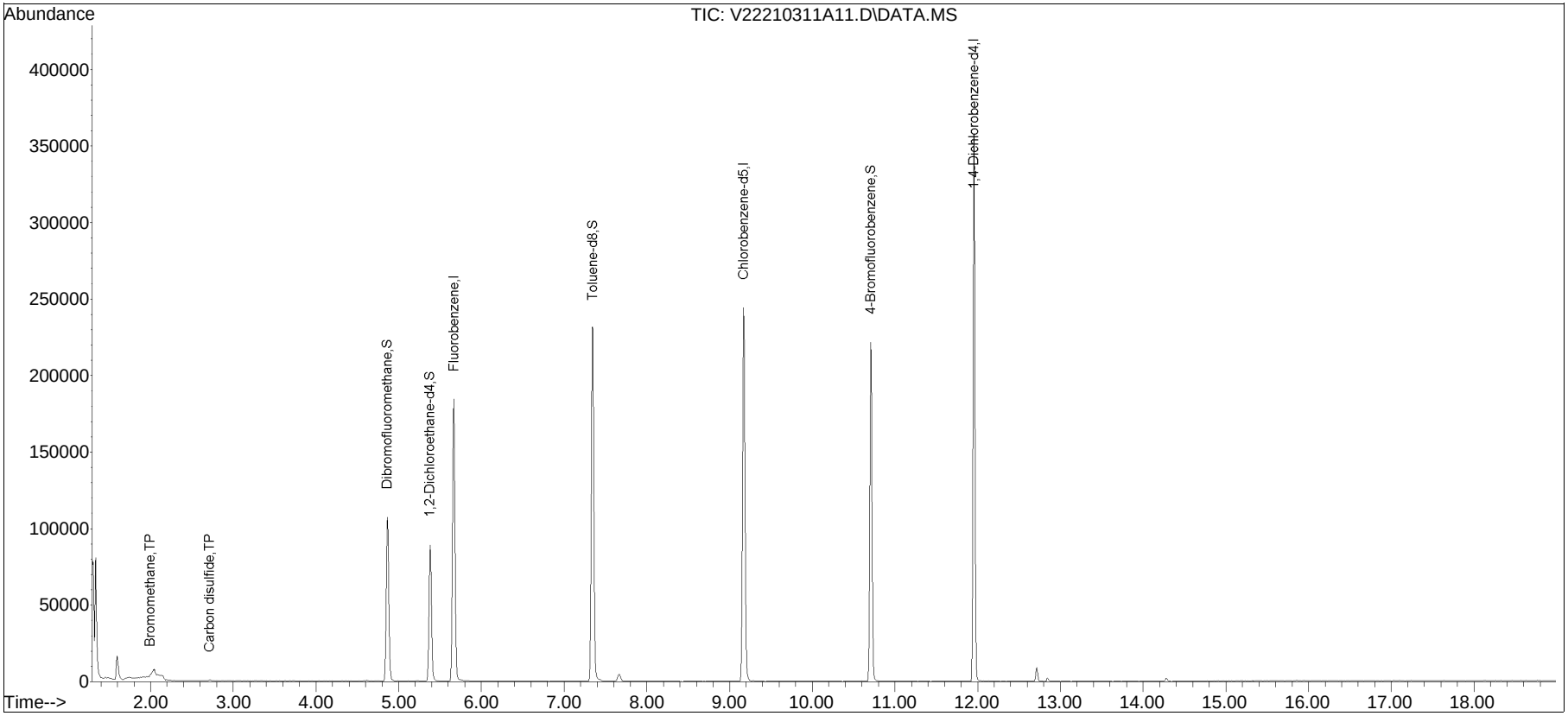
(#) = qualifier out of range (m) = manual integration (+) = signals summed

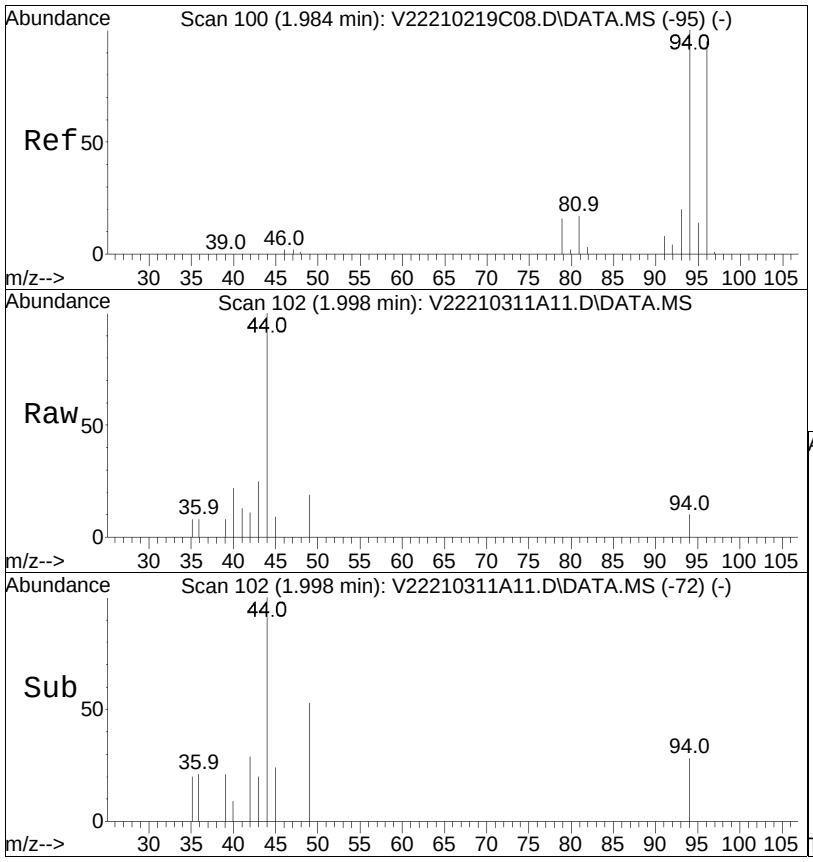
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A11.D
Acq On : 11 Mar 2021 11:24 am
Operator : VOA122:AJK
Sample : L2111103-04,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 11 16:16:36 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10311A\V22210311A01.D•

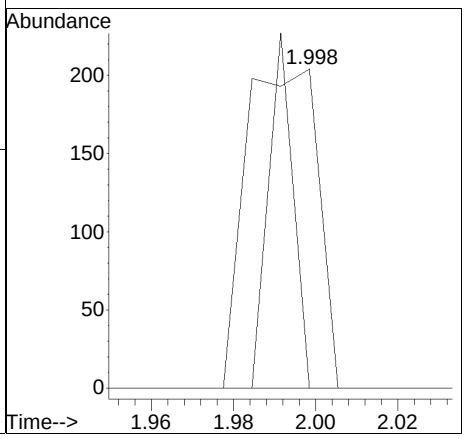


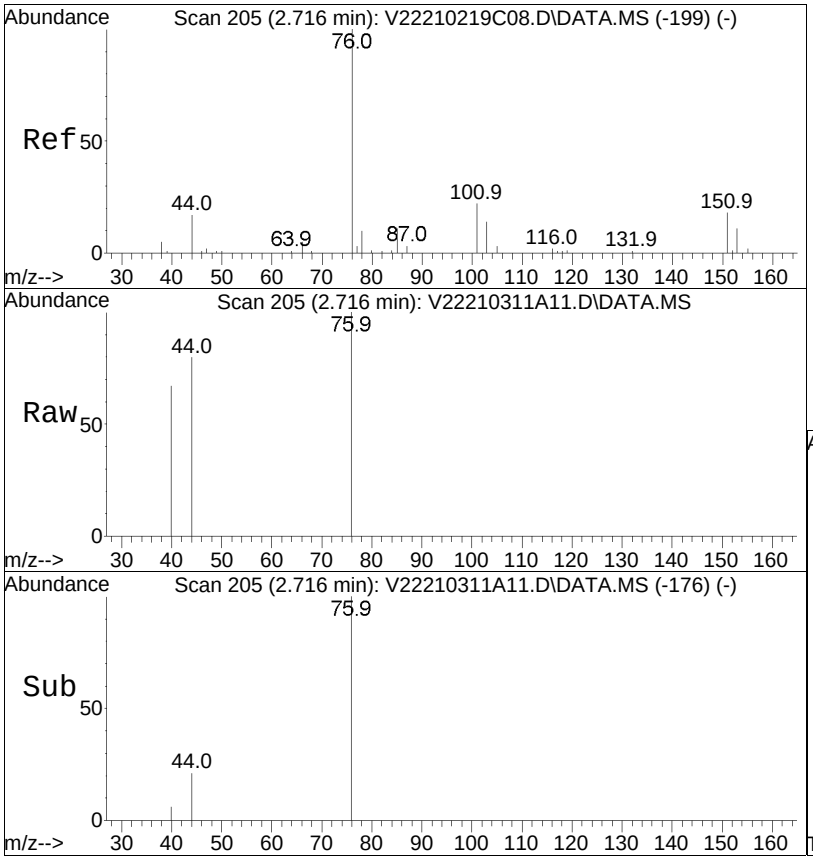


#5
Bromomethane
Concen: 0.08 ug/L
RT: 1.998 min Scan# 102
Delta R.T. 0.006 min
Lab File: V22210311A11.D
Acq: 11 Mar 2021 11:24 am

Tgt Ion: 94 Resp: 249

Ion	Ratio	Lower	Upper
94	100		
96	38.2	72.8	112.8#

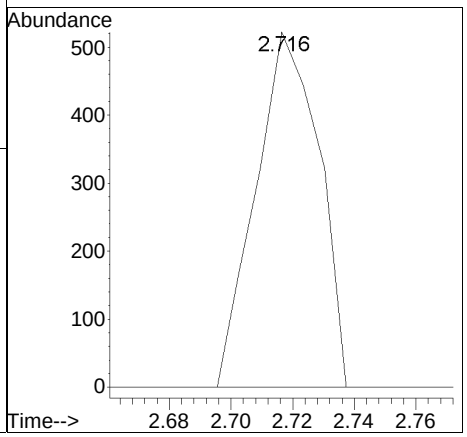




#11
Carbon disulfide
Concen: 0.08 ug/L
RT: 2.716 min Scan# 205
Delta R.T. -0.001 min
Lab File: V22210311A11.D
Acq: 11 Mar 2021 11:24 am

Tgt Ion: 76 Resp: 743

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210219C_8260.m
Data File	: V22210311A11.D	Operator	: VOA122:AJK
Date Inj'd	: 3/11/2021 11:24 am	Instrument	: VOA122
Sample	: L2111103-04,31,10,10,,A	Quant Date	: 3/11/2021 4:13 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A12.D
Acq On : 11 Mar 2021 11:49 am
Operator : VOA122:AJK
Sample : L2111103-05,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 11 16:17:00 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	182741	10.000	ug/L	0.00
Standard Area 1 = 265339			Recovery = 68.87%			
62) Chlorobenzene-d5	9.170	117	166522	10.000	ug/L	0.00
Standard Area 1 = 195460			Recovery = 85.19%			
83) 1,4-Dichlorobenzene-d4	11.956	152	89820	10.000	ug/L	0.00
Standard Area 1 = 112718			Recovery = 79.69%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	70995	12.074	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.74%			
46) 1,2-Dichloroethane-d4	5.379	65	64293	10.805	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.05%			
63) Toluene-d8	7.341	98	180517	8.447	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.47%			
87) 4-Bromofluorobenzene	10.708	95	77194	9.229	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.29%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.992	94	161	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.717	76	404	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A12.D
Acq On : 11 Mar 2021 11:49 am
Operator : VOA122:AJK
Sample : L2111103-05,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 11 16:17:00 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0		N.D.	
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
42) 1,1-Dichloropropene	0.000		0		N.D.	
44) Benzene	5.254	78	68		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
53) Dibromomethane	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	7.392	92	135		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
73) 1,3-Dichloropropane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.170	91	83		N.D.	
79) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
88) Bromobenzene	0.000		0		N.D.	
89) n-Propylbenzene	0.000		0		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
92) 4-Ethyltoluene	0.000		0		N.D.	
93) 2-Chlorotoluene	0.000		0		N.D.	
94) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
95) 1,2,3-Trichloropropane	0.000		0		N.D.	
96) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
97) 4-Chlorotoluene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A12.D
Acq On : 11 Mar 2021 11:49 am
Operator : VOA122:AJK
Sample : L2111103-05,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 11 16:17:00 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	0.000		0		N.D.	
105) 1,4-Dichlorobenzene	0.000		0		N.D.	
106) p-Diethylbenzene	0.000		0		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
109) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112) Hexachlorobutadiene	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
114) Naphthalene	0.000		0		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

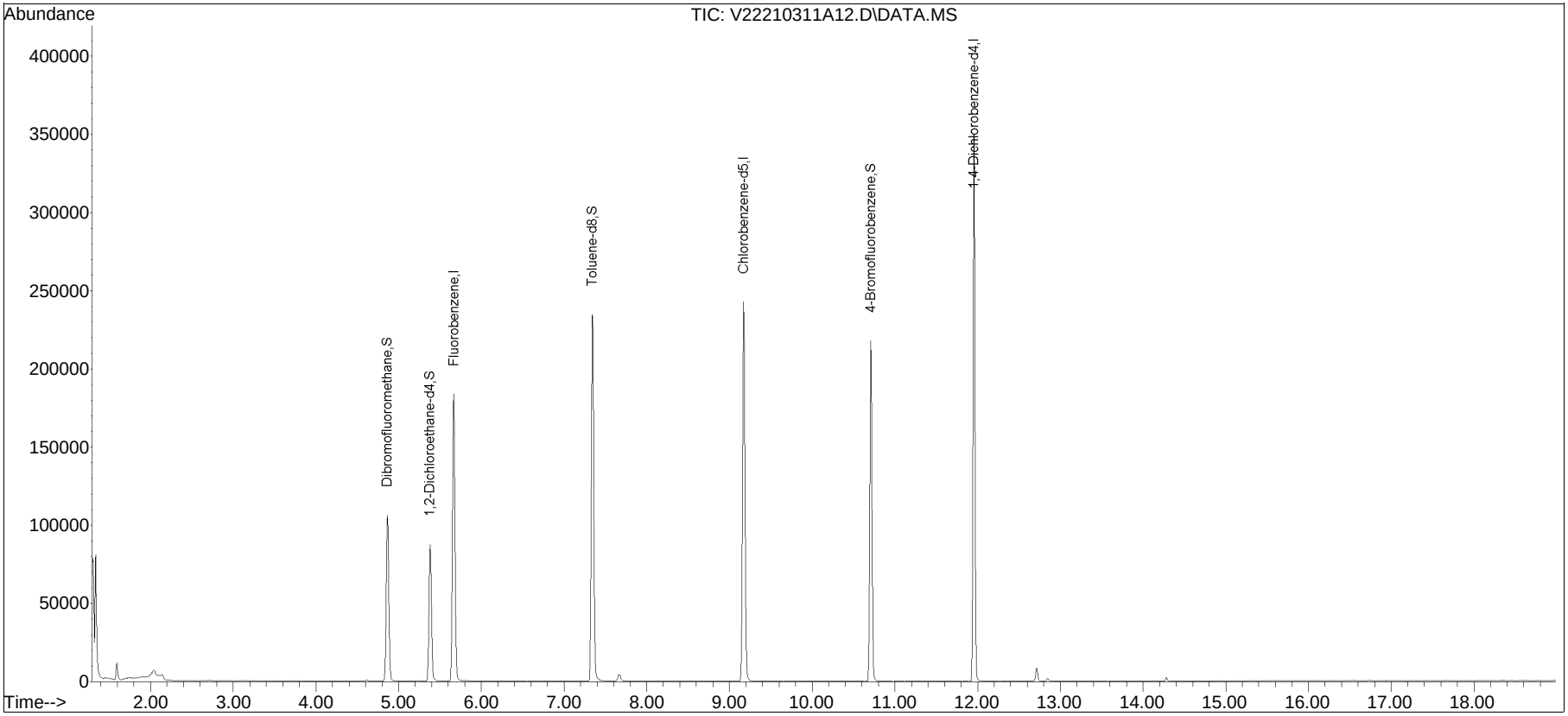
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A12.D
Acq On : 11 Mar 2021 11:49 am
Operator : VOA122:AJK
Sample : L2111103-05,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 11 16:17:00 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10311A\\V22210311A01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2Q	Method	: V122_210219C_8260.m
Data File	: V22210311A12.D	Operator	: VOA122:AJK
Date Inj'd	: 3/11/2021 11:49 am	Instrument	: VOA122
Sample	: L2111103-05,31,10,10,,A	Quant Date	: 3/11/2021 4:13 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A13.D
Acq On : 11 Mar 2021 12:14 pm
Operator : VOA122:AJK
Sample : L2111103-01,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 11 16:17:24 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	178762	10.000	ug/L	0.00
Standard Area 1 = 265339			Recovery = 67.37%			
62) Chlorobenzene-d5	9.170	117	159849	10.000	ug/L	0.00
Standard Area 1 = 195460			Recovery = 81.78%			
83) 1,4-Dichlorobenzene-d4	11.956	152	90866	10.000	ug/L	0.00
Standard Area 1 = 112718			Recovery = 80.61%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	69935	12.158	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 121.58%			
46) 1,2-Dichloroethane-d4	5.379	65	65812	11.306	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.06%			
63) Toluene-d8	7.341	98	178802	8.716	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.16%			
87) 4-Bromofluorobenzene	10.708	95	74233	8.772	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	1.706	62	401	0.078	ug/L #	43
5) Bromomethane	1.999	94	65	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.724	76	7388	0.775	ug/L #	88
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	3.365	96	143	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	4.153	43	432	N.D.		
30) cis-1,2-Dichloroethene	4.431	96	578	0.114	ug/L #	73
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A13.D
Acq On : 11 Mar 2021 12:14 pm
Operator : VOA122:AJK
Sample : L2111103-01,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 11 16:17:24 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0		N.D.	
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
42) 1,1-Dichloropropene	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
53) Dibromomethane	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	0.000		0		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
73) 1,3-Dichloropropane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	0.000		0		N.D.	
79) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
88) Bromobenzene	0.000		0		N.D.	
89) n-Propylbenzene	0.000		0		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
92) 4-Ethyltoluene	0.000		0		N.D.	
93) 2-Chlorotoluene	0.000		0		N.D.	
94) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
95) 1,2,3-Trichloropropane	0.000		0		N.D.	
96) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
97) 4-Chlorotoluene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A13.D
Acq On : 11 Mar 2021 12:14 pm
Operator : VOA122:AJK
Sample : L2111103-01,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 11 16:17:24 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	0.000		0		N.D.	
105) 1,4-Dichlorobenzene	0.000		0		N.D.	
106) p-Diethylbenzene	0.000		0		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
109) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112) Hexachlorobutadiene	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
114) Naphthalene	14.135	128	432		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

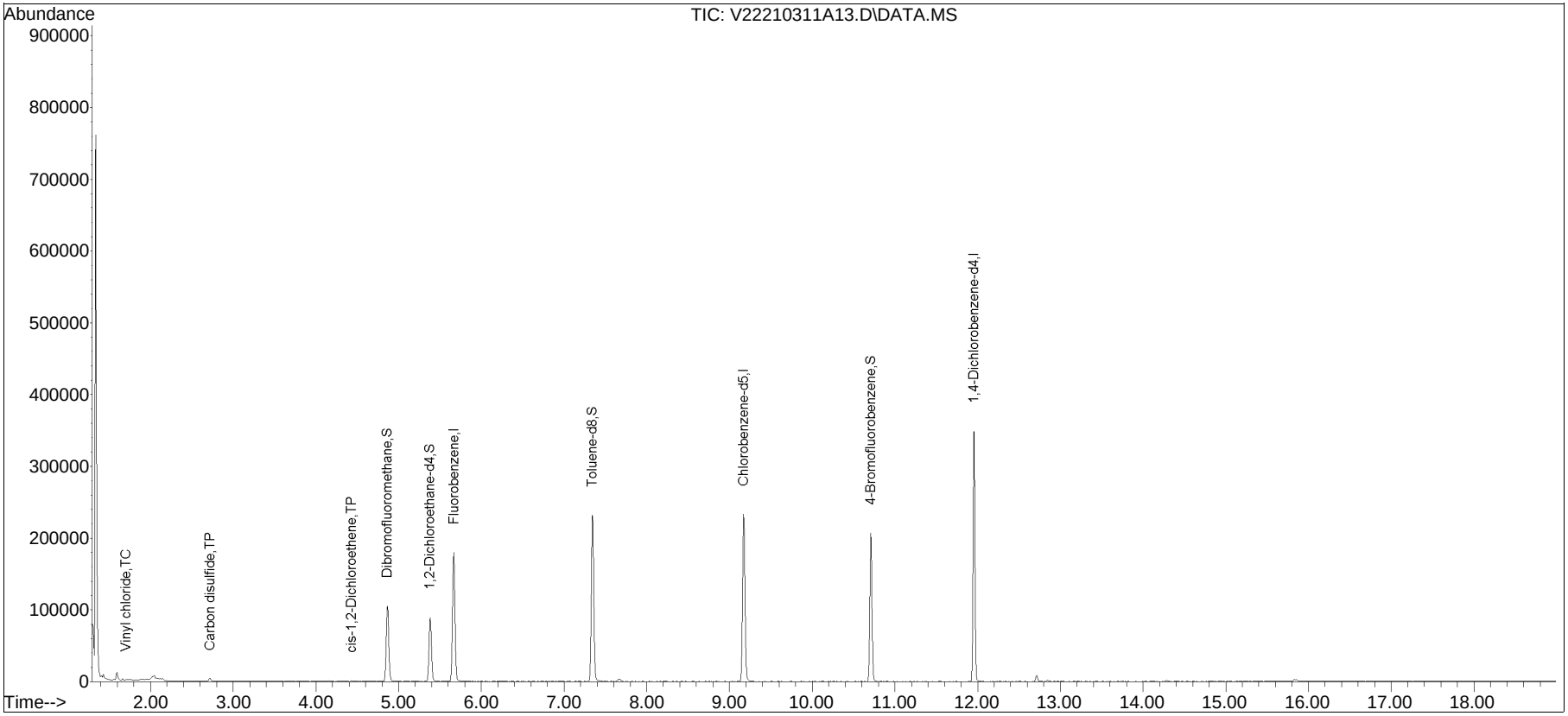
(#) = qualifier out of range (m) = manual integration (+) = signals summed

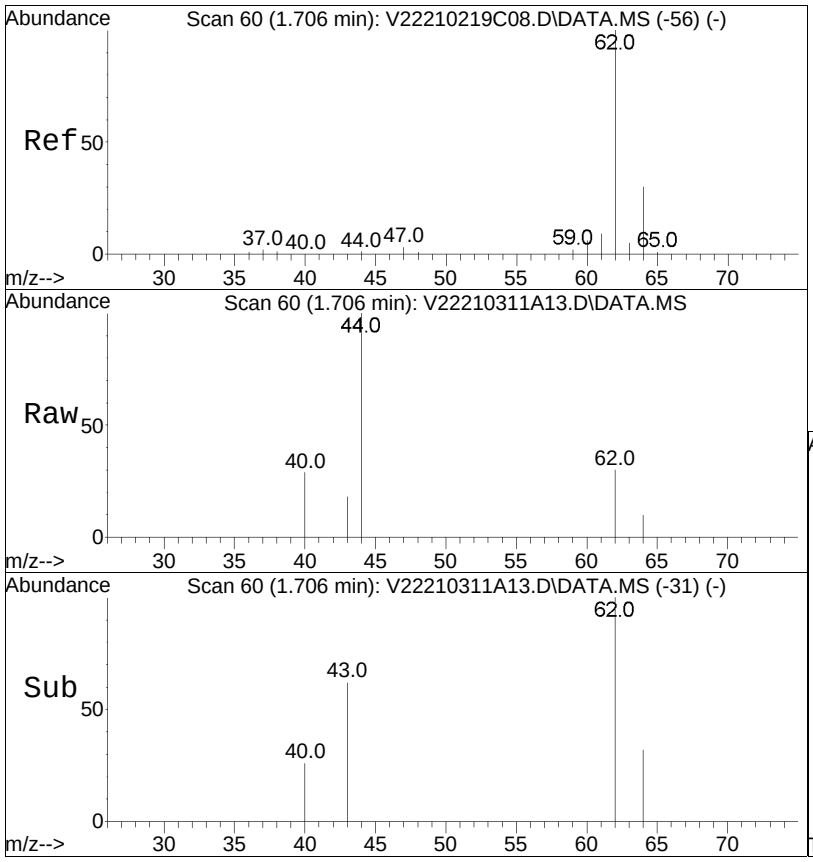
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A13.D
Acq On : 11 Mar 2021 12:14 pm
Operator : VOA122:AJK
Sample : L2111103-01,31,10,10,,A
Misc : WG1473232,ICAL17646
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 11 16:17:24 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10311A\V22210311A01.D•

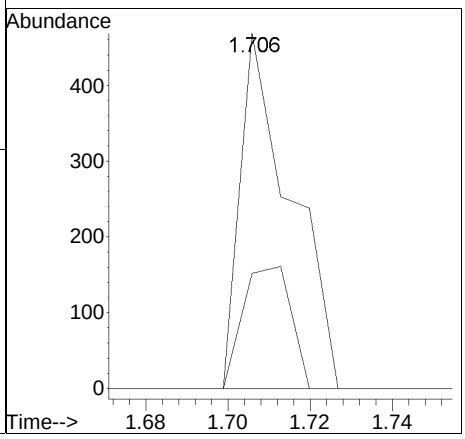


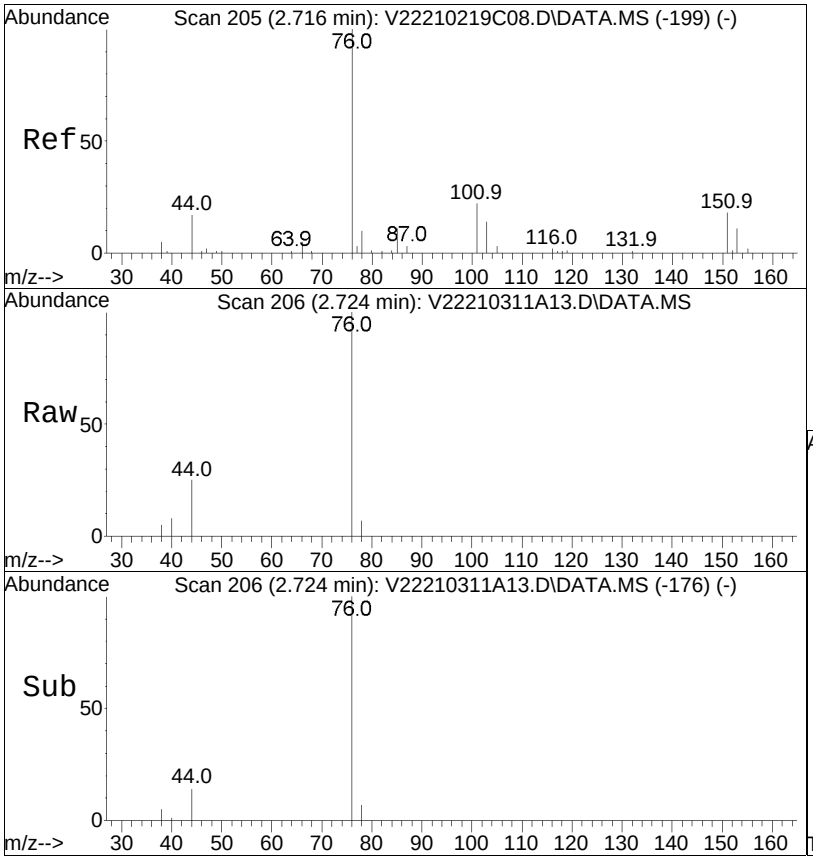


#4
Vinyl chloride
Concen: 0.08 ug/L
RT: 1.706 min Scan# 60
Delta R.T. -0.000 min
Lab File: V22210311A13.D
Acq: 11 Mar 2021 12:14 pm

Tgt Ion: 62 Resp: 401

Ion	Ratio	Lower	Upper
62	100		
64	0.0	12.0	52.0#

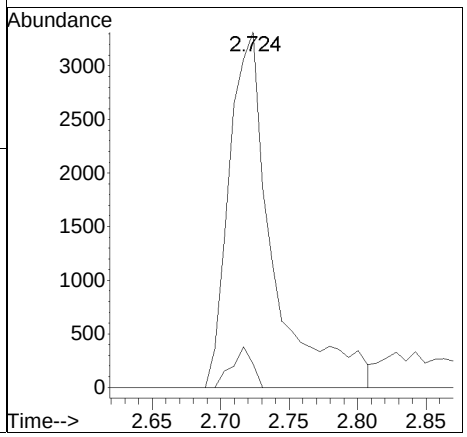


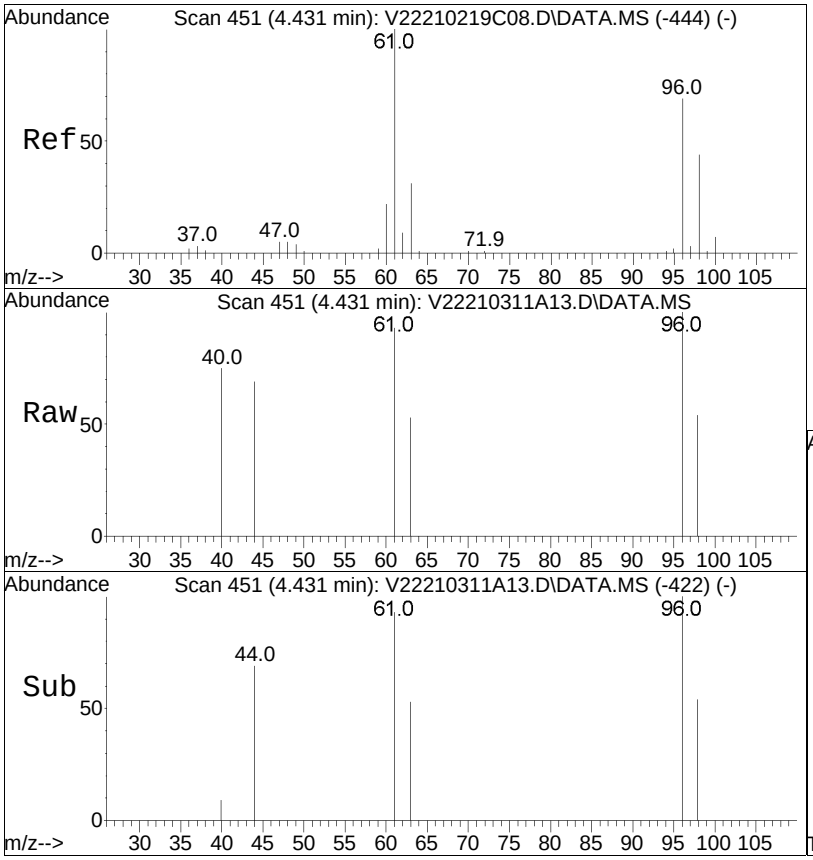


#11
Carbon disulfide
Concen: 0.78 ug/L
RT: 2.724 min Scan# 206
Delta R.T. 0.007 min
Lab File: V22210311A13.D
Acq: 11 Mar 2021 12:14 pm

Tgt Ion: 76 Resp: 7388

Ion	Ratio	Lower	Upper
76	100		
78	5.4	6.4	13.4#

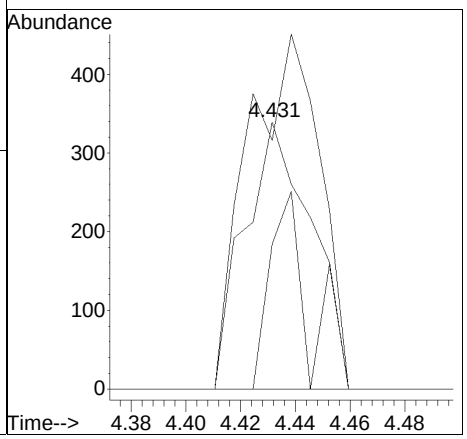




#30
cis-1,2-Dichloroethene
Concen: 0.11 ug/L
RT: 4.431 min Scan# 451
Delta R.T. 0.000 min
Lab File: V22210311A13.D
Acq: 11 Mar 2021 12:14 pm

Tgt Ion: 96 Resp: 578

Ion	Ratio	Lower	Upper
96	100		
61	142.6	90.3	135.5#
98	42.9	50.8	76.2#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210219C_8260.m
Data File	: V22210311A13.D	Operator	: VOA122:AJK
Date Inj'd	: 3/11/2021 12:14 pm	Instrument	: VOA122
Sample	: L2111103-01,31,10,10,,A	Quant Date	: 3/11/2021 4:13 pm

There are no manual integrations or false positives in this file.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: PS&S Engineering, Inc.**	**Lab Number**	**: L2111103**
Project Name	**: FORMER BICC CABLES SITE**	**Project Number**	**: 05697.0006**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL17646**
Calibration dates	**: 02/19/21 13:31 02/19/21 17:14**		

Calibration Files
L11 =V22210219C03.D L1 =V22210219C05.D L2 =V22210219C07.D L3 =V22210219C08.D L4 =V22210219C09.D
L6 =V22210219C10.D L8 =V22210219C11.D L10 =V22210219C12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.115	0.165	0.177	0.150	0.145	0.144	0.142	0.148	13.22
3)	TP	Chloromethane		0.355	0.366	0.370	0.315	0.293	0.290	0.282	0.324	11.88
4)	TC	Vinyl chloride	0.292	0.286	0.308	0.323	0.275	0.275	0.272	0.269	0.288	6.67
5)	TP	Bromomethane		0.207	0.176	0.157	0.153	0.146	0.153	0.153	0.164	13.00
6)	TP	Chloroethane	0.168	0.208	0.215	0.216	0.185	0.122			*Q	0.9999
7)	TP	Trichlorofluor		0.336	0.411	0.451	0.367	0.360	0.355	0.355	0.376	10.66
8)	TP	Ethyl ether		0.098	0.111	0.119	0.112	0.113	0.113	0.108	0.111	5.89
10)	TC	1,1-Dichloroet		0.219	0.251	0.264	0.228	0.220	0.217	0.215	0.231	8.41
11)	TP	Carbon disulfide		0.561	0.587	0.599	0.513	0.494	0.491	0.487	0.533	8.99
12)	TP	Freon-113		0.197	0.250	0.277	0.232	0.230	0.225	0.223	0.234	10.53
13)	TP	Iodomethane			0.230	0.321	0.296	0.269	0.258	0.250	0.271	12.19
14)	TP	Acrolein			0.030	0.034	0.030	0.032	0.032	0.031	0.032#	5.20
15)	TP	Methylene chlo		0.296	0.281	0.283	0.244	0.231	0.228	0.222	0.255	12.03
17)	TP	Acetone			0.066	0.064	0.054	0.052	0.052	0.049	0.056#	12.47
18)	TP	trans-1,2-Dich		0.234	0.264	0.283	0.244	0.234	0.230	0.226	0.245	8.55
19)	TP	Methyl acetate		0.157	0.141	0.138	0.132	0.136	0.138	0.131	0.139	6.12
21)	TP	Methyl tert butyl ether		0.379	0.436	0.497	0.490	0.502	0.511	0.495	0.473	10.14
22)	TP	tert-Butyl alc		0.010	0.015	0.014	0.014	0.014	0.015	0.014	0.014#	11.62
24)	TP	Diisopropyl ether		0.605	0.690	0.802	0.842	0.874	0.875	0.844	0.790	13.08
25)	TP	1,1-Dichloroet		0.479	0.557	0.581	0.507	0.482	0.476	0.463	0.506	8.93
26)	TP	Halothane		0.156	0.213	0.231	0.205	0.199	0.197	0.196	0.199	11.36
27)	TP	Acrylonitrile			0.072	0.082	0.074	0.074	0.074	0.071	0.075	5.23
28)	TP	Ethyl tert-but		0.447	0.532	0.655	0.702	0.736	0.747	0.725	0.649	17.83
29)	TP	Vinyl acetate			0.335	0.460	0.504	0.548	0.564	0.547	0.493	17.52
30)	TP	cis-1,2-Dichlo		0.291	0.311	0.318	0.280	0.265	0.262	0.255	0.283	8.65
31)	TP	2,2-Dichloropr		0.232	0.291	0.317	0.298	0.298	0.304	0.306	0.292	9.57
32)	TP	Bromochloromet		0.110	0.137	0.143	0.123	0.110	0.109	0.104	0.120	12.73
33)	TP	Cyclohexane		0.372	0.501	0.602	0.520	0.535	0.524	0.521	0.511	13.51
34)	TC	Chloroform		0.476	0.505	0.509	0.442	0.423	0.415	0.406	0.454	9.46
35)	TP	Ethyl acetate		0.174	0.191	0.194	0.185	0.195	0.197	0.189	0.189	4.25
36)	TP	Carbon tetrachloride	0.185	0.236	0.359	0.411	0.358	0.362	0.360	0.362	*L	0.9995
37)	TP	Tetrahydrofuran		0.070	0.079	0.074	0.067	0.068	0.068	0.064	0.070	7.16
38)	S	Dibromofluoromethane	0.369	0.363	0.364	0.329	0.300	0.285	0.284	0.281	0.322	12.17
39)	TP	1,1,1-Trichlor		0.328	0.408	0.460	0.403	0.393	0.388	0.384	0.395	9.90
41)	TP	2-Butanone		0.043	0.075	0.078	0.071	0.076	0.078	0.074	0.071#	17.42

Initial Calibration Summary
Form 6
Volatiles

Client	**: PS&S Engineering, Inc.**	**Lab Number**	**: L2111103**
Project Name	**: FORMER BICC CABLES SITE**	**Project Number**	**: 05697.0006**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL17646**
Calibration dates	**: 02/19/21 13:31 02/19/21 17:14**		

Calibration Files
L11 =V22210219C03.D L1 =V22210219C05.D L2 =V22210219C07.D L3 =V22210219C08.D L4 =V22210219C09.D
L6 =V22210219C10.D L8 =V22210219C11.D L10 =V22210219C12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.166	0.209	0.240	0.228	0.224	0.221	0.219	0.215	10.91
44) TP	Benzene	0.697	0.796	0.873	0.994	0.937	0.933	0.927	0.902	0.882	10.70
45) TP	Tertiary-Amyl Methyl Ether		0.351	0.376	0.464	0.487	0.530	0.547	0.537	0.470	16.77
46) S	1,2-Dichloroethane-d4	0.346	0.360	0.359	0.332	0.311	0.298	0.300	0.300	0.326	8.22
47) T	1,2-Dichloroet		0.359	0.336	0.352	0.315	0.303	0.302	0.293	0.323	8.06
50) TP	Methyl cyclohe		0.272	0.332	0.435	0.397	0.443	0.439	0.446	0.395	17.14
51) TP	Trichloroethene	0.151	0.202	0.236	0.270	0.255	0.259	0.258	0.256	0.236	17.08
53) TP	Dibromomethane		0.132	0.143	0.151	0.134	0.132	0.143	0.136	0.139	5.13
54) TC	1,2-Dichloropr		0.192	0.237	0.279	0.267	0.267	0.266	0.261	0.253	11.71
56) TP	2-Chloroethyl			0.073	0.092	0.062	0.078	0.084	0.089	0.080	13.97
57) TP	Bromodichlorom		0.252	0.306	0.343	0.325	0.322	0.323	0.316	0.312	9.28
59) TP	Methyl methacr			0.061	0.080	0.091	0.105	0.108	0.107	*L	0.9982
60) TP	1,4-Dioxane		0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.002#	6.01
61) TP	cis-1,3-Dichloropropene	0.188	0.230	0.287	0.358	0.366	0.383	0.385	0.379	*Q	0.9996
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.266	1.240	1.273	1.298	1.244	1.307	1.321	1.317	1.283	2.50
64) TC	Toluene		0.610	0.674	0.781	0.720	0.765	0.766	0.759	0.725	8.63
65) TP	4-Methyl-2-pen			0.052	0.065	0.070	0.082	0.087	0.085	0.074#	18.35
66) TP	Tetrachloroethene		0.250	0.331	0.374	0.350	0.392	0.382	0.394	0.353	14.44
68) TP	trans-1,3-Dichloropropene	0.133	0.215	0.264	0.359	0.379	0.428	0.439		*Q	0.9994
70) TP	Ethyl methacry			0.179	0.228	0.256	0.284	0.293	0.283	0.254	17.28
71) TP	1,1,2-Trichlor		0.111	0.139	0.179	0.181	0.199	0.203	0.197	*L	0.9992
72) TP	Chlorodibromom		0.164	0.214	0.306	0.308	0.339	0.345	0.337	*L	0.9991
73) TP	1,3-Dichloropr		0.224	0.291	0.362	0.372	0.404	0.410	0.394	0.351	19.65
74) TP	1,2-Dibromoethane		0.111	0.154	0.211	0.213	0.239	0.243	0.234	*L	0.9988
76) TP	2-Hexanone			0.096	0.123	0.127	0.139	0.144	0.135	0.127	13.52
77) TP	Chlorobenzene		0.761	0.793	0.901	0.872	0.870	0.875	0.856	0.847	5.96
78) TC	Ethylbenzene		1.103	1.258	1.538	1.449	1.458	1.456	1.423	1.384	10.84
79) TP	1,1,1,2-Tetrac		0.186	0.222	0.287	0.303	0.322	0.327	0.320	0.281	19.74
80) TP	p/m Xylene		0.447	0.511	0.639	0.585	0.574	0.571	0.557	0.555	10.98
81) TP	o Xylene		0.417	0.463	0.571	0.523	0.524	0.523	0.509	0.504	9.84
82) TP	Styrene		0.577	0.699	0.926	0.856	0.875	0.874	0.840	0.807	15.30
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.217	0.222	0.313	0.322	0.371	0.379		*Q	0.9993
86) TP	Isopropylbenzene		1.953	2.262	3.168	2.882	2.987	2.967	2.926	2.735	16.34
87) S	4-Bromofluorobenzene	0.909	0.909	0.913	0.971	0.929	0.933	0.936	0.950	0.931	2.35

Initial Calibration Summary
Form 6
Volatiles

Client	**: PS&S Engineering, Inc.**	**Lab Number**	**: L2111103**
Project Name	**: FORMER BICC CABLES SITE**	**Project Number**	**: 05697.0006**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL17646**
Calibration dates	**: 02/19/21 13:31 02/19/21 17:14**		

Calibration Files
L11 =V22210219C03.D L1 =V22210219C05.D L2 =V22210219C07.D L3 =V22210219C08.D L4 =V22210219C09.D
L6 =V22210219C10.D L8 =V22210219C11.D L10 =V22210219C12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
88) TP	Bromobenzene		0.538	0.594	0.715	0.668	0.681	0.685	0.674	0.650	9.49
89) TP	n-Propylbenzene		2.551	2.835	3.725	3.470	3.553	3.520	3.413	3.295	13.06
90) TP	1,4-Dichlorobu		0.616	0.680	0.822	0.831	0.895	0.912	0.889	0.806	14.22
91) TP	1,1,2,2-Tetrac		0.366	0.389	0.472	0.477	0.512	0.515	0.503	0.462	13.06
92) TP	4-Ethyltoluene		1.866	2.222	2.929	2.791	2.831	2.800	2.737	2.597	15.23
93) TP	2-Chlorotoluene		1.771	1.932	2.446	2.257	2.262	2.252	2.219	2.163	10.62
94) TP	1,3,5-Trimethy		1.552	1.867	2.447	2.334	2.385	2.376	2.357	2.188	15.60
95) TP	1,2,3-Trichlor		0.325	0.313	0.377	0.377	0.410	0.418	0.410	0.376	11.19
96) TP	trans-1,4-Dich			0.119	0.153	0.155	0.170	0.174	0.171	0.157	13.01
97) TP	4-Chlorotoluene		1.584	1.759	2.127	2.054	2.077	2.064	2.021	1.955	10.37
98) TP	tert-Butylbenzene		1.701	1.975	2.471	2.430	2.522	2.525	2.470	2.299	14.21
99) T	Pentachloroethane		0.254	0.308	0.370	0.402	0.407	0.436	0.410	0.370	17.74
101) TP	1,2,4-Trimethy		1.384	1.786	2.302	2.311	2.369	2.385	2.323	2.123	18.21
102) TP	sec-Butylbenzene		1.738	2.279	2.867	2.739	2.850	2.790	2.719	2.569	16.23
103) TP	p-Isopropyltol		1.449	1.963	2.641	2.568	2.645	2.641	2.549	2.351	19.83
104) TP	1,3-Dichlorobe		1.107	1.262	1.443	1.395	1.393	1.387	1.344	1.333	8.59
105) TP	1,4-Dichlorobe		1.198	1.269	1.429	1.386	1.391	1.385	1.340	1.342	6.07
106) TP	p-Diethylbenzene			1.025	1.469	1.479	1.537	1.543	1.516	1.428	13.98
107) TP	n-Butylbenzene		1.344	1.563	2.235	2.197	2.286	2.260	2.205	2.013	19.29
108) TP	1,2-Dichlorobe		1.046	1.070	1.285	1.243	1.257	1.249	1.210	1.194	8.04
109) TP	1,2,4,5-Tetram		1.354	1.435	1.953	1.992	2.069	2.104	2.083	1.856	17.27
110) TP	1,2-Dibromo-3-		0.048	0.070	0.080	0.083	0.088	0.089	0.087	*L	0.9996
111) TP	1,3,5-Trichlor		0.625	0.667	0.837	0.807	0.821	0.830	0.814	0.771	11.31
112) TP	Hexachlorobuta		0.200	0.212	0.284	0.267	0.281	0.288	0.288	0.260	14.51
113) TP	1,2,4-Trichlor		0.550	0.589	0.751	0.737	0.753	0.769	0.751	0.700	12.92
114) TP	Naphthalene		1.256	1.328	1.652	1.687	1.764	1.780	1.729	1.600	13.47
115) TP	1,2,3-Trichlor		0.514	0.549	0.650	0.646	0.654	0.667	0.653	0.619	9.86

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Method File : V122_210219C_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 19 20:07:36 2021
Response Via : Initial Calibration

Calibration Files
L11 =V22210219C03.D L1 =V22210219C05.D L2 =V22210219C07.D L3 =V22210219C08.D L4 =V22210219C09.D
L6 =V22210219C10.D L8 =V22210219C11.D L10 =V22210219C12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------							
2)	TP	Dichlorodifluo...		0.115	0.165	0.177	0.150	0.145	0.144	0.142	0.148	13.22
3)	TP	Chloromethane		0.355	0.366	0.370	0.315	0.293	0.290	0.282	0.324	11.88
4)	TC	Vinyl chloride	0.292	0.286	0.308	0.323	0.275	0.275	0.272	0.269	0.288	6.67
5)	TP	Bromomethane		0.207	0.176	0.157	0.153	0.146	0.153	0.153	0.164	13.00
6)	TP	Chloroethane	0.168	0.208	0.215	0.216	0.185	0.122		*Q		0.9999
7)	TP	Trichlorofluor...		0.336	0.411	0.451	0.367	0.360	0.355	0.355	0.376	10.66
8)	TP	Ethyl ether		0.098	0.111	0.119	0.112	0.113	0.113	0.108	0.111	5.89
10)	TC	1,1-Dichloroet...		0.219	0.251	0.264	0.228	0.220	0.217	0.215	0.231	8.41
11)	TP	Carbon disulfide		0.561	0.587	0.599	0.513	0.494	0.491	0.487	0.533	8.99
12)	TP	Freon-113		0.197	0.250	0.277	0.232	0.230	0.225	0.223	0.234	10.53
13)	TP	Iodomethane			0.230	0.321	0.296	0.269	0.258	0.250	0.271	12.19
14)	TP	Acrolein			0.030	0.034	0.030	0.032	0.032	0.031	0.032#	5.20
15)	TP	Methylene chlo...		0.296	0.281	0.283	0.244	0.231	0.228	0.222	0.255	12.03
17)	TP	Acetone			0.066	0.064	0.054	0.052	0.052	0.049	0.056#	12.47
18)	TP	trans-1,2-Dich...		0.234	0.264	0.283	0.244	0.234	0.230	0.226	0.245	8.55
19)	TP	Methyl acetate		0.157	0.141	0.138	0.132	0.136	0.138	0.131	0.139	6.12
21)	TP	Methyl tert-bu...		0.379	0.436	0.497	0.490	0.502	0.511	0.495	0.473	10.14
22)	TP	tert-Butyl alc...		0.010	0.015	0.014	0.014	0.014	0.015	0.014	0.014#	11.62
24)	TP	Diisopropyl ether		0.605	0.690	0.802	0.842	0.874	0.875	0.844	0.790	13.08
25)	TP	1,1-Dichloroet...		0.479	0.557	0.581	0.507	0.482	0.476	0.463	0.506	8.93
26)	TP	Halothane		0.156	0.213	0.231	0.205	0.199	0.197	0.196	0.199	11.36
27)	TP	Acrylonitrile			0.072	0.082	0.074	0.074	0.074	0.071	0.075	5.23
28)	TP	Ethyl tert-but...		0.447	0.532	0.655	0.702	0.736	0.747	0.725	0.649	17.83
29)	TP	Vinyl acetate			0.335	0.460	0.504	0.548	0.564	0.547	0.493	17.52
30)	TP	cis-1,2-Dichlo...		0.291	0.311	0.318	0.280	0.265	0.262	0.255	0.283	8.65
31)	TP	2,2-Dichloropr...		0.232	0.291	0.317	0.298	0.298	0.304	0.306	0.292	9.57
32)	TP	Bromochloromet...		0.110	0.137	0.143	0.123	0.110	0.109	0.104	0.120	12.73
33)	TP	Cyclohexane		0.372	0.501	0.602	0.520	0.535	0.524	0.521	0.511	13.51
34)	TC	Chloroform		0.476	0.505	0.509	0.442	0.423	0.415	0.406	0.454	9.46
35)	TP	Ethyl acetate		0.174	0.191	0.194	0.185	0.195	0.197	0.189	0.189	4.25

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Method File : V122_210219C_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 19 20:07:36 2021
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L11 =V22210219C03.D L1 =V22210219C05.D L2 =V22210219C07.D L3 =V22210219C08.D L4 =V22210219C09.D
L6 =V22210219C10.D L8 =V22210219C11.D L10 =V22210219C12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
36)	TP	Carbon tetrach...	0.185	0.236	0.359	0.411	0.358	0.362	0.360	0.362	*L	0.9995
37)	TP	Tetrahydrofuran		0.070	0.079	0.074	0.067	0.068	0.068	0.064	0.070	7.16
38)	S	Dibromofluorom...	0.369	0.363	0.364	0.329	0.300	0.285	0.284	0.281	0.322	12.17
39)	TP	1,1,1-Trichlor...		0.328	0.408	0.460	0.403	0.393	0.388	0.384	0.395	9.90
41)	TP	2-Butanone		0.043	0.075	0.078	0.071	0.076	0.078	0.074	0.071#	17.42
42)	TP	1,1-Dichloropr...		0.166	0.209	0.240	0.228	0.224	0.221	0.219	0.215	10.91
44)	TP	Benzene	0.697	0.796	0.873	0.994	0.937	0.933	0.927	0.902	0.882	10.70
45)	TP	tert-Amyl meth...		0.351	0.376	0.464	0.487	0.530	0.547	0.537	0.470	16.77
46)	S	1,2-Dichloroet...	0.346	0.360	0.359	0.332	0.311	0.298	0.300	0.300	0.326	8.22
47)	T	1,2-Dichloroet...		0.359	0.336	0.352	0.315	0.303	0.302	0.293	0.323	8.06
50)	TP	Methyl cyclohe...		0.272	0.332	0.435	0.397	0.443	0.439	0.446	0.395	17.14
51)	TP	Trichloroethene	0.151	0.202	0.236	0.270	0.255	0.259	0.258	0.256	0.236	17.08
53)	TP	Dibromomethane		0.132	0.143	0.151	0.134	0.132	0.143	0.136	0.139	5.13
54)	TC	1,2-Dichloropr...		0.192	0.237	0.279	0.267	0.267	0.266	0.261	0.253	11.71
56)	TP	2-Chloroethyl ...			0.073	0.092	0.062	0.078	0.084	0.089	0.080	13.97
57)	TP	Bromodichlorom...		0.252	0.306	0.343	0.325	0.322	0.323	0.316	0.312	9.28
59)	TP	Methyl methacr...			0.061	0.080	0.091	0.105	0.108	0.107	*L	0.9982
60)	TP	1,4-Dioxane		0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.002#	6.01
61)	TP	cis-1,3-Dichlo...	0.188	0.230	0.287	0.358	0.366	0.383	0.385	0.379	*Q	0.9996
62)	I	Chlorobenzene-d5	----------	ISTD	----------							
63)	S	Toluene-d8	1.266	1.240	1.273	1.298	1.244	1.307	1.321	1.317	1.283	2.50
64)	TC	Toluene		0.610	0.674	0.781	0.720	0.765	0.766	0.759	0.725	8.63
65)	TP	4-Methyl-2-pen...			0.052	0.065	0.070	0.082	0.087	0.085	0.074#	18.35
66)	TP	Tetrachloroethene		0.250	0.331	0.374	0.350	0.392	0.382	0.394	0.353	14.44
68)	TP	trans-1,3-Dich...	0.133	0.215	0.264	0.359	0.379	0.428	0.439		*Q	0.9994
70)	TP	Ethyl methacry...			0.179	0.228	0.256	0.284	0.293	0.283	0.254	17.28
71)	TP	1,1,2-Trichlor...		0.111	0.139	0.179	0.181	0.199	0.203	0.197	*L	0.9992
72)	TP	Chlorodibromom...		0.164	0.214	0.306	0.308	0.339	0.345	0.337	*L	0.9991
73)	TP	1,3-Dichloropr...		0.224	0.291	0.362	0.372	0.404	0.410	0.394	0.351	19.65
74)	TP	1,2-Dibromoethane		0.111	0.154	0.211	0.213	0.239	0.243	0.234	*L	0.9988
76)	TP	2-Hexanone			0.096	0.123	0.127	0.139	0.144	0.135	0.127	13.52

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Method File : V122_210219C_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 19 20:07:36 2021
Response Via : Initial Calibration

Calibration Files
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L6 =V22210219C10.D L8 =V22210219C11.D L10 =V22210219C12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
77)	TP	Chlorobenzene		0.761	0.793	0.901	0.872	0.870	0.875	0.856	0.847	5.96
78)	TC	Ethylbenzene		1.103	1.258	1.538	1.449	1.458	1.456	1.423	1.384	10.84
79)	TP	1,1,1,2-Tetrac...		0.186	0.222	0.287	0.303	0.322	0.327	0.320	0.281	19.74
80)	TP	p/m Xylene		0.447	0.511	0.639	0.585	0.574	0.571	0.557	0.555	10.98
81)	TP	o Xylene		0.417	0.463	0.571	0.523	0.524	0.523	0.509	0.504	9.84
82)	TP	Styrene		0.577	0.699	0.926	0.856	0.875	0.874	0.840	0.807	15.30
83)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84)	TP	Bromoform		0.217	0.222	0.313	0.322	0.371	0.379		*Q	0.9993
86)	TP	Isopropylbenzene		1.953	2.262	3.168	2.882	2.987	2.967	2.926	2.735	16.34
87)	S	4-Bromofluorob...	0.909	0.909	0.913	0.971	0.929	0.933	0.936	0.950	0.931	2.35
88)	TP	Bromobenzene		0.538	0.594	0.715	0.668	0.681	0.685	0.674	0.650	9.49
89)	TP	n-Propylbenzene		2.551	2.835	3.725	3.470	3.553	3.520	3.413	3.295	13.06
90)	TP	1,4-Dichlorobu...		0.616	0.680	0.822	0.831	0.895	0.912	0.889	0.806	14.22
91)	TP	1,1,2,2-Tetrac...		0.366	0.389	0.472	0.477	0.512	0.515	0.503	0.462	13.06
92)	TP	4-Ethyltoluene		1.866	2.222	2.929	2.791	2.831	2.800	2.737	2.597	15.23
93)	TP	2-Chlorotoluene		1.771	1.932	2.446	2.257	2.262	2.252	2.219	2.163	10.62
94)	TP	1,3,5-Trimethy...		1.552	1.867	2.447	2.334	2.385	2.376	2.357	2.188	15.60
95)	TP	1,2,3-Trichlor...		0.325	0.313	0.377	0.377	0.410	0.418	0.410	0.376	11.19
96)	TP	trans-1,4-Dich...			0.119	0.153	0.155	0.170	0.174	0.171	0.157	13.01
97)	TP	4-Chlorotoluene		1.584	1.759	2.127	2.054	2.077	2.064	2.021	1.955	10.37
98)	TP	tert-Butylbenzene		1.701	1.975	2.471	2.430	2.522	2.525	2.470	2.299	14.21
99)	T	Pentachloroethane		0.254	0.308	0.370	0.402	0.407	0.436	0.410	0.370	17.74
101)	TP	1,2,4-Trimethy...		1.384	1.786	2.302	2.311	2.369	2.385	2.323	2.123	18.21
102)	TP	sec-Butylbenzene		1.738	2.279	2.867	2.739	2.850	2.790	2.719	2.569	16.23
103)	TP	p-Isopropyltol...		1.449	1.963	2.641	2.568	2.645	2.641	2.549	2.351	19.83
104)	TP	1,3-Dichlorobe...		1.107	1.262	1.443	1.395	1.393	1.387	1.344	1.333	8.59
105)	TP	1,4-Dichlorobe...		1.198	1.269	1.429	1.386	1.391	1.385	1.340	1.342	6.07
106)	TP	p-Diethylbenzene			1.025	1.469	1.479	1.537	1.543	1.516	1.428	13.98
107)	TP	n-Butylbenzene		1.344	1.563	2.235	2.197	2.286	2.260	2.205	2.013	19.29
108)	TP	1,2-Dichlorobe...		1.046	1.070	1.285	1.243	1.257	1.249	1.210	1.194	8.04
109)	TP	1,2,4,5-Tetram...		1.354	1.435	1.953	1.992	2.069	2.104	2.083	1.856	17.27

Method Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Method File : V122_210219C_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 19 20:07:36 2021
Response Via : Initial Calibration

Calibration Files
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L6 =V22210219C10.D L8 =V22210219C11.D L10 =V22210219C12.D

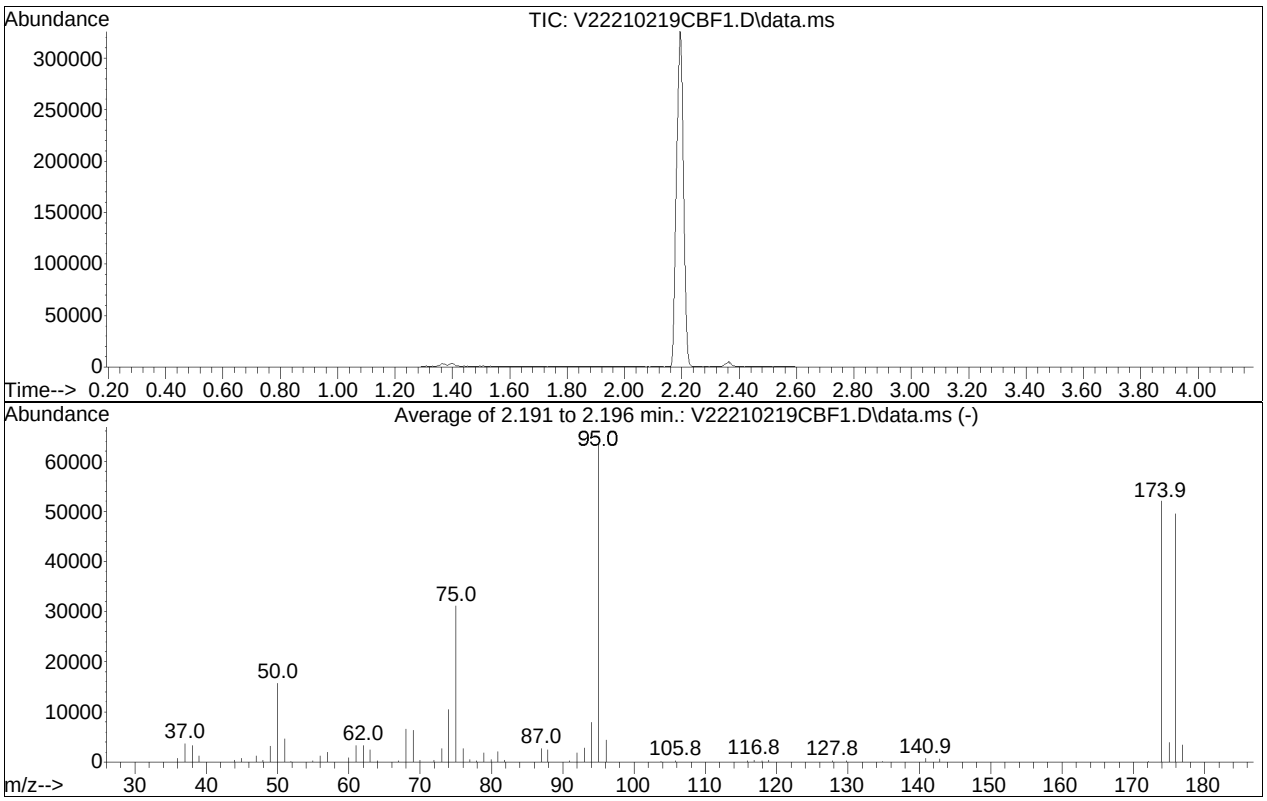
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
110) TP	1,2-Dibromo-3-...	0.048	0.070	0.080	0.083	0.088	0.089	0.087	*L	0.9996	
111) TP	1,3,5-Trichlor...	0.625	0.667	0.837	0.807	0.821	0.830	0.814	0.771	11.31	
112) TP	Hexachlorobuta...	0.200	0.212	0.284	0.267	0.281	0.288	0.288	0.260	14.51	
113) TP	1,2,4-Trichlor...	0.550	0.589	0.751	0.737	0.753	0.769	0.751	0.700	12.92	
114) TP	Naphthalene	1.256	1.328	1.652	1.687	1.764	1.780	1.729	1.600	13.47	
115) TP	1,2,3-Trichlor...	0.514	0.549	0.650	0.646	0.654	0.667	0.653	0.619	9.86	

(#) = Out of Range

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219CBF1.D
Acq On : 19 Feb 2021 12:21 pm
Operator : VOA122:PD
Sample : WG1466645-1
Misc : WG1466645
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 19 20:07:36 2021



AutoFind: Scans 324, 325, 326; Background Corrected with Scan 311

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.7	15705	PASS
75	95	30	60	48.9	31176	PASS
95	95	100	100	100.0	63691	PASS
96	95	5	9	7.0	4466	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.7	52035	PASS
175	174	5	9	7.6	3980	PASS
176	174	95	101	95.2	49539	PASS
177	176	5	9	7.0	3480	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C03.D
Acq On : 19 Feb 2021 01:31 pm
Operator : VOA122:MKS
Sample : I8260STD0.19PPB
Misc : WG1466645
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 19 20:05:11 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:04:55 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-L11+CE - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	142435	10.000	ug/L	0.00
Standard Area 1 = 151084			Recovery = 94.28%			
62) Chlorobenzene-d5	9.170	117	124866	10.000	ug/L	0.00
Standard Area 1 = 125239			Recovery = 99.70%			
83) 1,4-Dichlorobenzene-d4	11.956	152	67583	10.000	ug/L	0.00
Standard Area 1 = 65821			Recovery = 102.68%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	52601	11.477	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.77%			
46) 1,2-Dichloroethane-d4	5.379	65	49250	10.619	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.19%			
63) Toluene-d8	7.341	98	158091	9.865	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.65%			
87) 4-Bromofluorobenzene	10.708	95	61400	9.756	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.56%			
Target Compounds						Qvalue
4) Vinyl chloride	1.706	62	791	0.193	ug/L	84
6) Chloroethane	2.089	64	455M1	0.187	ug/L	
36) Carbon tetrachloride	4.829	117	502	0.190	ug/L #	46
44) Benzene	5.254	78	1886	0.150	ug/L #	81
51) Trichloroethene	5.837	95	408	0.122	ug/L #	84
61) cis-1,3-Dichloropropene	7.134	75	510	0.246	ug/L #	87
64) Toluene	7.400	92	1727	0.191	ug/L	99
68) trans-1,3-Dichloropropene	7.886	75	315	0.242	ug/L #	76
78) Ethylbenzene	9.241	91	2853	0.165	ug/L	92
80) p/m Xylene	9.431	106	2044	0.295	ug/L	94
81) o Xylene	9.970	106	2020	0.321	ug/L	98
82) Styrene	10.050	104	2545	0.253	ug/L	98

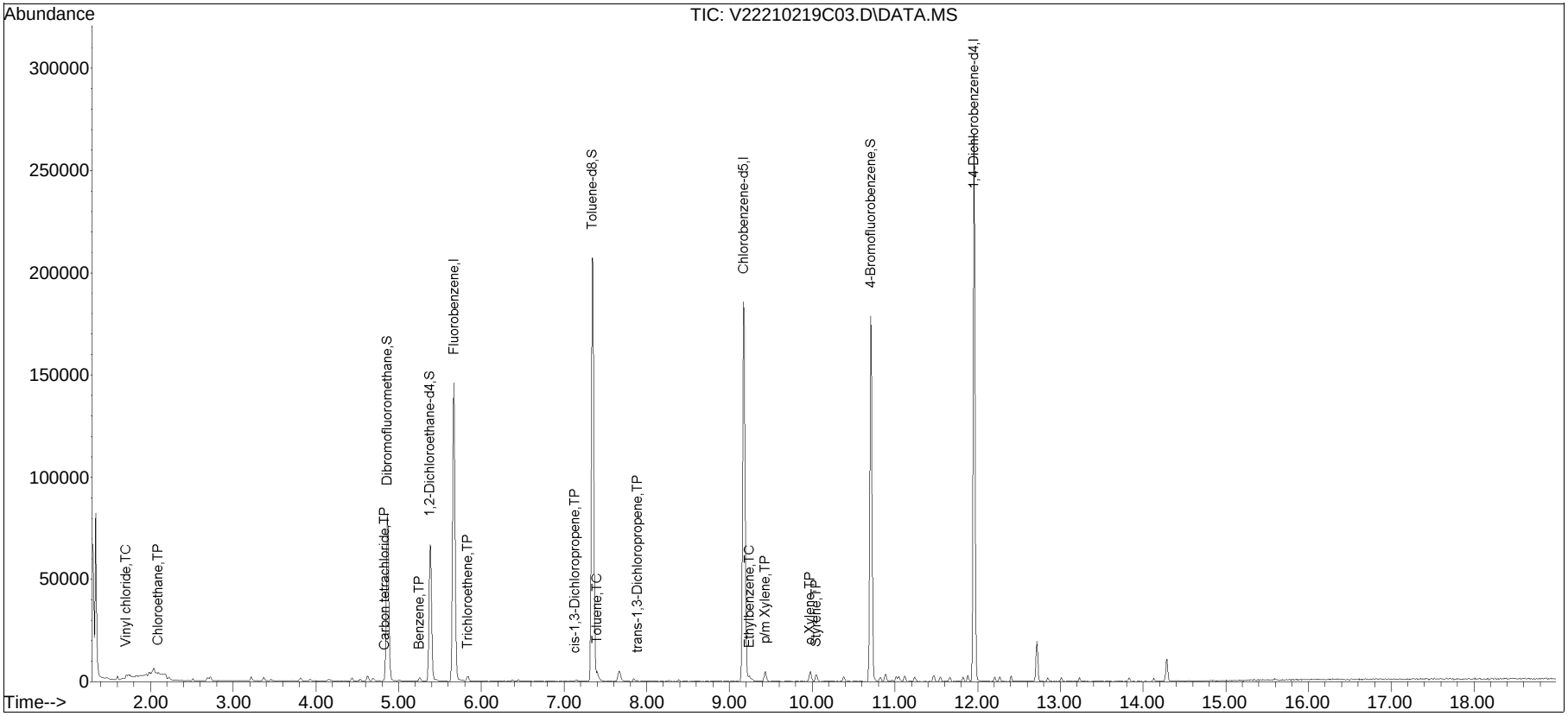
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C03.D
Acq On : 19 Feb 2021 01:31 pm
Operator : VOA122:MKS
Sample : I8260STD0.19PPB
Misc : WG1466645
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 19 20:05:11 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:04:55 2021
Response via : Initial Calibration

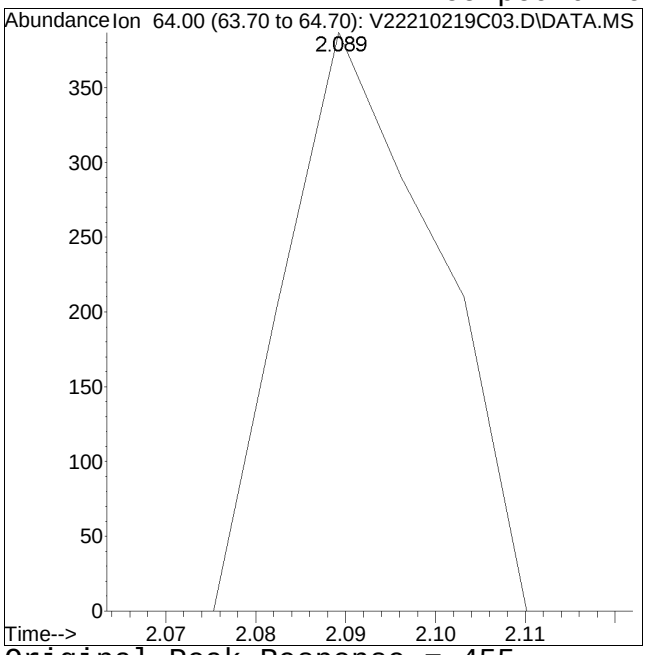
Sub List : 8260-L11+CE - Level 11 for 8260-LRR product210219C08.D•



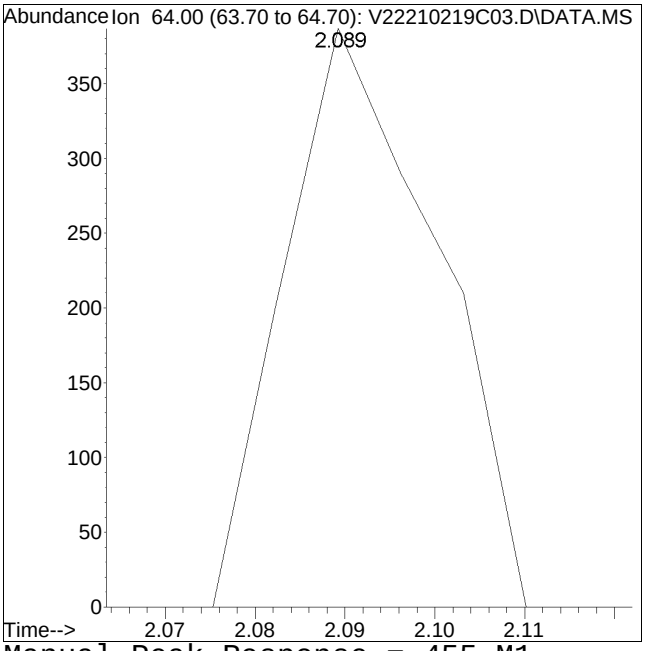
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210219C03.D Operator : VOA122:MKS
Date Inj'd : 2/19/2021 1:31 pm Instrument : VOA122
Sample : I8260STD0.19PPB Quant Date : 2/19/2021 8:05 pm

Compound #6: Chloroethane



Original Peak Response = 455



Manual Peak Response = 455 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C05.D
Acq On : 19 Feb 2021 02:20 pm
Operator : VOA122:MKS
Sample : I8260STD0.5PPB
Misc : WG1466645
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 19 20:07:49 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	135659	10.000 ug/L	0.00
Standard Area 1 = 151084			Recovery = 89.79%		
62) Chlorobenzene-d5	9.177	117	123398	10.000 ug/L	0.00
Standard Area 1 = 125239			Recovery = 98.53%		
83) 1,4-Dichlorobenzene-d4	11.956	152	65780	10.000 ug/L	0.00
Standard Area 1 = 65821			Recovery = 99.94%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	49232	11.278 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.78%		
46) 1,2-Dichloroethane-d4	5.387	65	48802	11.048 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.48%		
63) Toluene-d8	7.348	98	153016	9.662 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.62%		
87) 4-Bromofluorobenzene	10.708	95	59765	9.756 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.56%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.476	85	777	0.386 ug/L #	89
3) Chloromethane	1.671	50	2410	0.548 ug/L #	88
4) Vinyl chloride	1.706	62	1937	0.496 ug/L	96
5) Bromomethane	1.985	94	1405	0.633 ug/L	92
6) Chloroethane	2.089	64	1414	0.509 ug/L	81
7) Trichlorofluoromethane	2.229	101	2281	0.447 ug/L	96
8) Ethyl ether	2.514	74	662	0.441 ug/L #	1
10) 1,1-Dichloroethene	2.689	96	1486	0.475 ug/L #	76
11) Carbon disulfide	2.717	76	3802	0.526 ug/L	92
12) Freon-113	2.730	101	1339	0.423 ug/L #	78
13) Iodomethane	2.821	142	836	0.228 ug/L #	85
14) Acrolein	0.000		0	N.D.	
15) Methylene chloride	3.218	84	2007	0.580 ug/L #	68
17) Acetone	3.274	43	645	0.850 ug/L #	46
18) trans-1,2-Dichloroethene	3.372	96	1586	0.478 ug/L	80
19) Methyl acetate	3.393	43	1062	0.563 ug/L #	50
21) Methyl tert-butyl ether	3.462	73	2573	0.401 ug/L #	78
22) tert-Butyl alcohol	3.553	59	349	1.864 ug/L #	59
24) Diisopropyl ether	3.811	45	4106	0.383 ug/L #	89
25) 1,1-Dichloroethane	3.936	63	3246	0.473 ug/L	88
26) Halothane	3.978	117	1059	0.391 ug/L	85

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C05.D
Acq On : 19 Feb 2021 02:20 pm
Operator : VOA122:MKS
Sample : I8260STD0.5PPB
Misc : WG1466645
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 19 20:07:49 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.992	53	225	0.222	ug/L	#	57
28) Ethyl tert-butyl ether	4.153	59	3030	0.344	ug/L		86
29) Vinyl acetate	4.180	43	1547	0.231	ug/L	#	71
30) cis-1,2-Dichloroethene	4.431	96	1972	0.514	ug/L	#	79
31) 2,2-Dichloropropane	4.536	77	1571	0.396	ug/L	#	73
32) Bromochloromethane	4.627	128	749	0.462	ug/L	#	43
33) Cyclohexane	4.627	56	2525	0.364	ug/L		66
34) Chloroform	4.696	83	3228	0.524	ug/L		96
35) Ethyl acetate	4.822	43	1177	0.458	ug/L	#	65
36) Carbon tetrachloride	4.829	117	1603	0.419	ug/L	#	82
37) Tetrahydrofuran	4.843	42	475	0.500	ug/L	#	37
39) 1,1,1-Trichloroethane	4.891	97	2223	0.415	ug/L	#	97
41) 2-Butanone	4.996	43	295	0.307	ug/L	#	22
42) 1,1-Dichloropropene	5.017	75	1129	0.387	ug/L	#	77
44) Benzene	5.246	78	5400	0.451	ug/L	#	92
45) tert-Amyl methyl ether	5.372	73	2382	0.373	ug/L	#	83
47) 1,2-Dichloroethane	5.446	62	2432	0.555	ug/L	#	80
50) Methyl cyclohexane	5.830	83	1846	0.344	ug/L	#	74
51) Trichloroethene	5.844	95	1368	0.428	ug/L		85
53) Dibromomethane	6.272	93	894	0.474	ug/L	#	74
54) 1,2-Dichloropropane	6.376	63	1304	0.380	ug/L	#	90
56) 2-Chloroethyl vinyl ether	0.000		0	N.D.			
57) Bromodichloromethane	6.449	83	1707	0.403	ug/L	#	91
59) Methyl methacrylate	0.000		0	N.D.			
60) 1,4-Dioxane	6.663	88	2208	104.136	ug/L	#	64
61) cis-1,3-Dichloropropene	7.142	75	1558	0.455	ug/L	#	73
64) Toluene	7.400	92	3763	0.421	ug/L		98
65) 4-Methyl-2-pentanone	0.000		0	N.D.			
66) Tetrachloroethene	7.842	166	1541	0.354	ug/L		97
68) trans-1,3-Dichloropropene	7.886	75	1328	0.467	ug/L		76
70) Ethyl methacrylate	8.092	69	759	0.242	ug/L	#	86
71) 1,1,2-Trichloroethane	8.063	83	684	0.618	ug/L		87
72) Chlorodibromomethane	8.273	129	1014	0.638	ug/L	#	88
73) 1,3-Dichloropropane	8.384	76	1380	0.319	ug/L		92
74) 1,2-Dibromoethane	8.543	107	685	0.634	ug/L		91
76) 2-Hexanone	0.000		0	N.D.	d		
77) Chlorobenzene	9.193	112	4693	0.449	ug/L		91
78) Ethylbenzene	9.241	91	6805	0.399	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.280	131	1145	0.330	ug/L	#	59
80) p/m Xylene	9.431	106	5510	0.805	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C05.D
Acq On : 19 Feb 2021 02:20 pm
Operator : VOA122:MKS
Sample : I8260STD0.5PPB
Misc : WG1466645
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 19 20:07:49 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
81)	o Xylene	9.978	106	5150	0.828	ug/L		100
82)	Styrene	10.050	104	7120	0.715	ug/L		96
84)	Bromoform	10.058	173	713	0.593	ug/L	#	63
86)	Isopropylbenzene	10.383	105	6424	0.357	ug/L		98
88)	Bromobenzene	10.819	156	1770	0.414	ug/L		96
89)	n-Propylbenzene	10.882	91	8391	0.387	ug/L		94
90)	1,4-Dichlorobutane	10.890	55	2026	0.382	ug/L	#	80
91)	1,1,2,2-Tetrachloroethane	10.962	83	1203	0.396	ug/L	#	83
92)	4-Ethyltoluene	11.017	105	6138	0.359	ug/L		99
93)	2-Chlorotoluene	11.049	91	5825	0.409	ug/L		98
94)	1,3,5-Trimethylbenzene	11.120	105	5104	0.355	ug/L		96
95)	1,2,3-Trichloropropane	11.112	75	1068	0.432	ug/L	#	67
96)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d		
97)	4-Chlorotoluene	11.239	91	5209	0.405	ug/L		95
98)	tert-Butylbenzene	11.468	119	5594	0.370	ug/L	#	87
99)	Pentachloroethane	11.482	167	834	0.343	ug/L	#	1
101)	1,2,4-Trimethylbenzene	11.545	105	4551	0.326	ug/L		99
102)	sec-Butylbenzene	11.663	105	5717	0.338	ug/L		94
103)	p-Isopropyltoluene	11.823	119	4766	0.308	ug/L		94
104)	1,3-Dichlorobenzene	11.879	146	3642	0.415	ug/L		98
105)	1,4-Dichlorobenzene	11.970	146	3939M3	0.446	ug/L		
106)	p-Diethylbenzene	12.206	119	2763	0.294	ug/L		97
107)	n-Butylbenzene	12.269	91	4422	0.334	ug/L		96
108)	1,2-Dichlorobenzene	12.408	146	3439	0.438	ug/L		96
109)	1,2,4,5-Tetramethylben...	13.014	119	4452	0.365	ug/L		98
110)	1,2-Dibromo-3-chloropr...	13.195	155	157	0.567	ug/L	#	71
111)	1,3,5-Trichlorobenzene	13.230	180	2055	0.405	ug/L		96
112)	Hexachlorobutadiene	13.814	225	657	0.384	ug/L	#	87
113)	1,2,4-Trichlorobenzene	13.835	180	1808	0.393	ug/L		95
114)	Naphthalene	14.127	128	4132	0.393	ug/L		100
115)	1,2,3-Trichlorobenzene	14.295	180	1689	0.415	ug/L		97

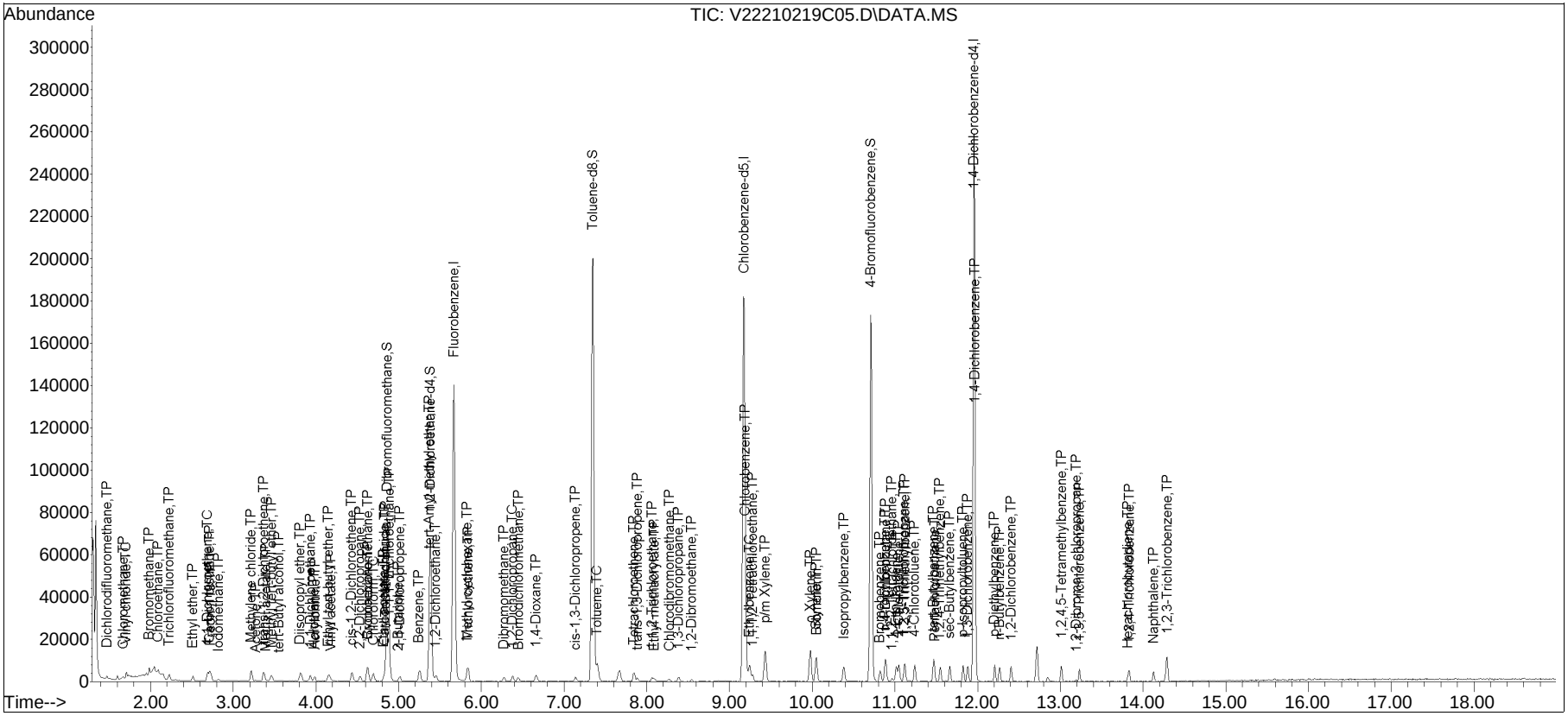
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C05.D
Acq On : 19 Feb 2021 02:20 pm
Operator : VOA122:MKS
Sample : I8260STD0.5PPB
Misc : WG1466645
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 19 20:07:49 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

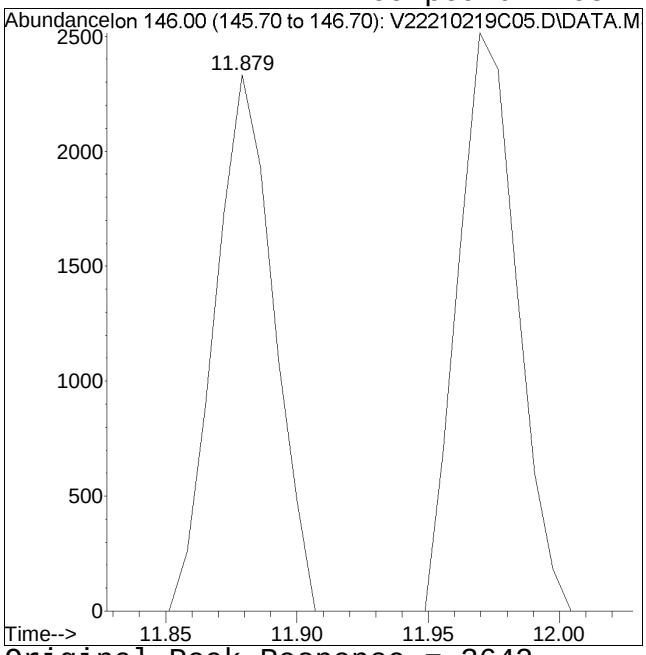
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MMCAL\V22210219C08.D•

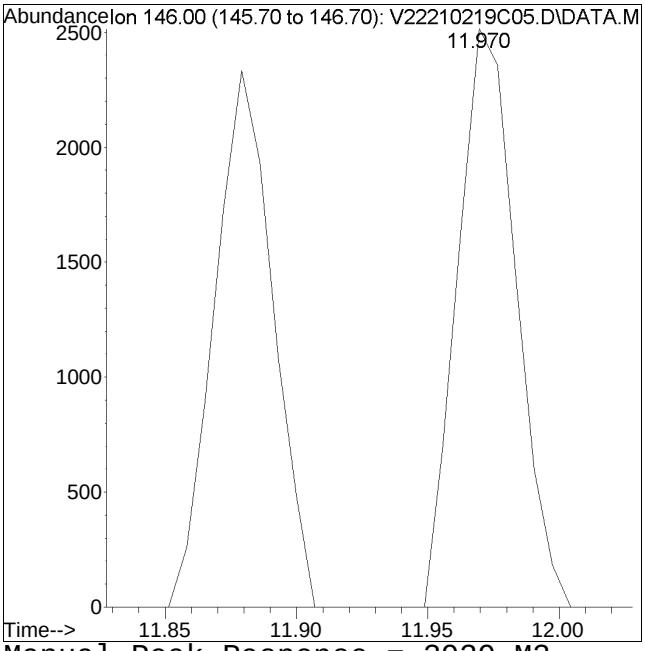


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210219C05.D Operator : VOA122:MKS
Date Inj'd : 2/19/2021 2:20 pm Instrument : VOA122
Sample : I8260STD0.5PPB Quant Date : 2/19/2021 8:07 pm

Compound #105: 1,4-Dichlorobenzene





Original Peak Response = 3642 Manual Peak Response = 3939 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C07.D
Acq On : 19 Feb 2021 03:10 pm
Operator : VOA122:MKS
Sample : I8260STD2PPB
Misc : WG1466645
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 19 20:08:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	138720	10.000	ug/L	0.00
Standard Area 1 = 151084			Recovery = 91.82%			
62) Chlorobenzene-d5	9.177	117	122408	10.000	ug/L	0.00
Standard Area 1 = 125239			Recovery = 97.74%			
83) 1,4-Dichlorobenzene-d4	11.956	152	68835	10.000	ug/L	0.00
Standard Area 1 = 65821			Recovery = 104.58%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	50482	11.310	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.10%			
46) 1,2-Dichloroethane-d4	5.387	65	49759	11.016	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.16%			
63) Toluene-d8	7.348	98	155769	9.915	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.15%			
87) 4-Bromofluorobenzene	10.708	95	62851	9.805	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.05%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	4583	2.228	ug/L #	96
3) Chloromethane	1.657	50	10165	2.259	ug/L	96
4) Vinyl chloride	1.706	62	8556	2.144	ug/L	98
5) Bromomethane	1.985	94	4878	2.148	ug/L	96
6) Chloroethane	2.089	64	5975	1.976	ug/L	96
7) Trichlorofluoromethane	2.229	101	11399	2.183	ug/L	99
8) Ethyl ether	2.514	74	3093	2.016	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	6976	2.181	ug/L #	74
11) Carbon disulfide	2.717	76	16282	2.202	ug/L	99
12) Freon-113	2.731	101	6944	2.143	ug/L	97
13) Iodomethane	2.821	142	6368	1.697	ug/L	98
14) Acrolein	3.002	56	828	1.885	ug/L	89
15) Methylene chloride	3.219	84	7787	2.202	ug/L #	63
17) Acetone	3.267	43	1822	2.348	ug/L #	86
18) trans-1,2-Dichloroethene	3.372	96	7319	2.156	ug/L	78
19) Methyl acetate	3.386	43	3915	2.029	ug/L #	80
21) Methyl tert-butyl ether	3.462	73	12083	1.842	ug/L #	79
22) tert-Butyl alcohol	3.546	59	2078	10.856	ug/L #	83
24) Diisopropyl ether	3.818	45	19133	1.746	ug/L #	91
25) 1,1-Dichloroethane	3.930	63	15463	2.201	ug/L	95
26) Halothane	3.985	117	5897	2.131	ug/L	100

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C07.D
Acq On : 19 Feb 2021 03:10 pm
Operator : VOA122:MKS
Sample : I8260STD2PPB
Misc : WG1466645
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 19 20:08:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.985	53	2010	1.941	ug/L		94
28) Ethyl tert-butyl ether	4.153	59	14751	1.639	ug/L		94
29) Vinyl acetate	4.167	43	9288	1.358	ug/L	#	83
30) cis-1,2-Dichloroethene	4.438	96	8621	2.196	ug/L	#	83
31) 2,2-Dichloropropane	4.536	77	8061	1.989	ug/L	#	82
32) Bromochloromethane	4.620	128	3812	2.297	ug/L	#	61
33) Cyclohexane	4.627	56	13895	1.961	ug/L		71
34) Chloroform	4.696	83	14003	2.225	ug/L	#	93
35) Ethyl acetate	4.822	43	5291	2.015	ug/L	#	82
36) Carbon tetrachloride	4.829	117	9954	2.072	ug/L		96
37) Tetrahydrofuran	4.850	42	2190	2.254	ug/L	#	73
39) 1,1,1-Trichloroethane	4.892	97	11320	2.066	ug/L		94
41) 2-Butanone	4.996	43	2090	2.128	ug/L	#	54
42) 1,1-Dichloropropene	5.017	75	5786	1.938	ug/L		99
44) Benzene	5.254	78	24208	1.978	ug/L	#	91
45) tert-Amyl methyl ether	5.364	73	10426	1.598	ug/L	#	87
47) 1,2-Dichloroethane	5.453	62	9311	2.080	ug/L		97
50) Methyl cyclohexane	5.830	83	9217	1.682	ug/L	#	68
51) Trichloroethene	5.837	95	6541	2.000	ug/L		94
53) Dibromomethane	6.273	93	3978	2.064	ug/L		84
54) 1,2-Dichloropropane	6.376	63	6578	1.876	ug/L		95
56) 2-Chloroethyl vinyl ether	7.076	63	2039	1.839	ug/L	#	82
57) Bromodichloromethane	6.442	83	8478	1.957	ug/L		98
59) Methyl methacrylate	6.633	69	851	1.202	ug/L	#	1
60) 1,4-Dioxane	6.663	88	9612	443.326	ug/L	#	60
61) cis-1,3-Dichloropropene	7.134	75	7974	1.675	ug/L	#	85
64) Toluene	7.400	92	16498	1.859	ug/L		99
65) 4-Methyl-2-pentanone	7.842	58	1280	1.421	ug/L	#	69
66) Tetrachloroethene	7.842	166	8112	1.876	ug/L		94
68) trans-1,3-Dichloropropene	7.886	75	6451	1.611	ug/L		83
70) Ethyl methacrylate	8.085	69	4375	1.409	ug/L		97
71) 1,1,2-Trichloroethane	8.063	83	3400	1.739	ug/L		98
72) Chlorodibromomethane	8.266	129	5236	1.659	ug/L		99
73) 1,3-Dichloropropane	8.384	76	7121	1.658	ug/L		98
74) 1,2-Dibromoethane	8.543	107	3758	1.697	ug/L		96
76) 2-Hexanone	8.852	43	2339	1.504	ug/L	#	76
77) Chlorobenzene	9.193	112	19425	1.874	ug/L		91
78) Ethylbenzene	9.241	91	30805	1.819	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.281	131	5440	1.581	ug/L		97
80) p/m Xylene	9.431	106	25041	3.686	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C07.D
Acq On : 19 Feb 2021 03:10 pm
Operator : VOA122:MKS
Sample : I8260STD2PPB
Misc : WG1466645
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 19 20:08:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
81)	o Xylene	9.978	106	22672	3.674	ug/L		97
82)	Styrene	10.050	104	34206	3.464	ug/L		99
84)	Bromoform	10.058	173	3061	1.650	ug/L		98
86)	Isopropylbenzene	10.383	105	31145	1.654	ug/L		99
88)	Bromobenzene	10.819	156	8171	1.825	ug/L		96
89)	n-Propylbenzene	10.882	91	39026	1.720	ug/L		99
90)	1,4-Dichlorobutane	10.890	55	9361	1.686	ug/L		93
91)	1,1,2,2-Tetrachloroethane	10.962	83	5360	1.686	ug/L		99
92)	4-Ethyltoluene	11.017	105	30585	1.711	ug/L		99
93)	2-Chlorotoluene	11.049	91	26602	1.787	ug/L		99
94)	1,3,5-Trimethylbenzene	11.120	105	25701	1.706	ug/L		100
95)	1,2,3-Trichloropropane	11.105	75	4313	1.668	ug/L		95
96)	trans-1,4-Dichloro-2-b...	11.176	53	1643	1.520	ug/L	#	65
97)	4-Chlorotoluene	11.239	91	24215	1.799	ug/L		99
98)	tert-Butylbenzene	11.469	119	27186	1.718	ug/L		91
99)	Pentachloroethane	11.482	167	4238	1.666	ug/L	#	1
101)	1,2,4-Trimethylbenzene	11.552	105	24582	1.682	ug/L		100
102)	sec-Butylbenzene	11.663	105	31370	1.774	ug/L		98
103)	p-Isopropyltoluene	11.824	119	27030	1.670	ug/L		99
104)	1,3-Dichlorobenzene	11.879	146	17376	1.893	ug/L		97
105)	1,4-Dichlorobenzene	11.977	146	17476	1.891	ug/L		95
106)	p-Diethylbenzene	12.206	119	14117	1.436	ug/L		99
107)	n-Butylbenzene	12.262	91	21520	1.553	ug/L		98
108)	1,2-Dichlorobenzene	12.401	146	14732	1.792	ug/L		98
109)	1,2,4,5-Tetramethylben...	13.014	119	19749	1.546	ug/L		98
110)	1,2-Dibromo-3-chloropr...	13.195	155	960	1.887	ug/L		91
111)	1,3,5-Trichlorobenzene	13.230	180	9180	1.729	ug/L		96
112)	Hexachlorobutadiene	13.814	225	2922	1.633	ug/L		98
113)	1,2,4-Trichlorobenzene	13.835	180	8109	1.683	ug/L		99
114)	Naphthalene	14.128	128	18281	1.660	ug/L		100
115)	1,2,3-Trichlorobenzene	14.295	180	7564	1.775	ug/L		98

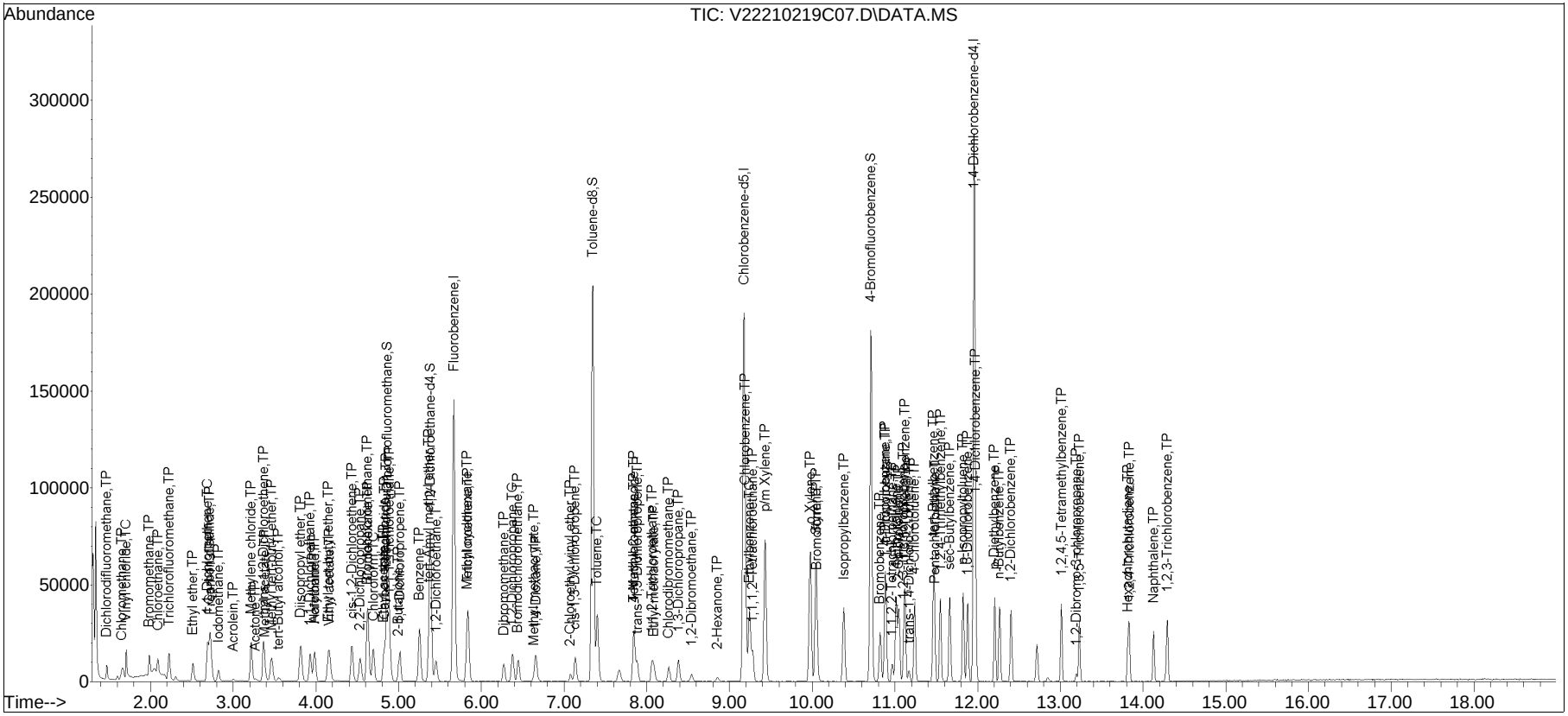
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C07.D
Acq On : 19 Feb 2021 03:10 pm
Operator : VOA122:MKS
Sample : I8260STD2PPB
Misc : WG1466645
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 19 20:08:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MMCAL\V22210219C08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210219C_8260.m
Data File	: V22210219C07.D	Operator	: VOA122:MKS
Date Inj'd	: 2/19/2021 3:10 pm	Instrument	: VOA122
Sample	: I8260STD2PPB	Quant Date	: 2/19/2021 8:08 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C08.D
Acq On : 19 Feb 2021 03:35 pm
Operator : VOA122:MKS
Sample : I8260STD10PPB
Misc : WG1466645
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 19 18:42:10 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Feb 16 09:48:26 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	151084	10.000 ug/L	0.00
Standard Area 1 = 151084			Recovery = 100.00%		
62) Chlorobenzene-d5	9.169	117	125239	10.000 ug/L	0.00
Standard Area 1 = 125239			Recovery = 100.00%		
83) 1,4-Dichlorobenzene-d4	11.956	152	65821	10.000 ug/L	0.00
Standard Area 1 = 65821			Recovery = 100.00%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.863	113	49650	11.625 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.25%		
46) 1,2-Dichloroethane-d4	5.386	65	50173	10.324 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.24%		
63) Toluene-d8	7.341	98	162612	10.003 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.03%		
87) 4-Bromofluorobenzene	10.708	95	63921	9.752 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.52%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.476	85	26714	9.371 ug/L #	97
3) Chloromethane	1.664	50	55895	9.146 ug/L	97
4) Vinyl chloride	1.706	62	48776	10.764 ug/L	97
5) Bromomethane	1.984	94	23758	11.524 ug/L	99
6) Chloroethane	2.089	64	32576	12.721 ug/L	97
7) Trichlorofluoromethane	2.222	101	68150	13.735 ug/L	100
8) Ethyl ether	2.514	74	17921	12.072 ug/L #	1
10) 1,1-Dichloroethene	2.689	96	39930	13.401 ug/L #	73
11) Carbon disulfide	2.716	76	90515	12.665 ug/L	99
12) Freon-113	2.730	101	41784	13.621 ug/L	95
13) Iodomethane	2.821	142	48499	17.616 ug/L	95
14) Acrolein	2.995	56	5177	10.976 ug/L	100
15) Methylene chloride	3.218	84	42775	12.897 ug/L #	64
17) Acetone	3.267	43	9626	10.002 ug/L	98
18) trans-1,2-Dichloroethene	3.365	96	42697	13.409 ug/L	83
19) Methyl acetate	3.379	43	20886	11.381 ug/L #	87
21) Methyl tert-butyl ether	3.462	73	75052	12.354 ug/L #	83
22) tert-Butyl alcohol	3.553	59	10703	120.969 ug/L #	86
24) Diisopropyl ether	3.811	45	121125	9.162 ug/L #	93
25) 1,1-Dichloroethane	3.929	63	87711	12.952 ug/L	96
26) Halothane	3.985	117	34869	13.540 ug/L	100

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C08.D
Acq On : 19 Feb 2021 03:35 pm
Operator : VOA122:MKS
Sample : I8260STD10PPB
Misc : WG1466645
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 19 18:42:10 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Feb 16 09:48:26 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.978	53	12414	10.902	ug/L		97
28) Ethyl tert-butyl ether	4.152	59	98900	9.400	ug/L		89
29) Vinyl acetate	4.166	43	69504	11.158	ug/L	#	89
30) cis-1,2-Dichloroethene	4.431	96	48002	12.742	ug/L	#	82
31) 2,2-Dichloropropane	4.536	77	47889	18.844	ug/L	#	84
32) Bromochloromethane	4.619	128	21599	14.954	ug/L	#	68
33) Cyclohexane	4.626	56	90956	11.198	ug/L		67
34) Chloroform	4.689	83	76965	13.119	ug/L	#	94
35) Ethyl acetate	4.815	43	29294	10.525	ug/L	#	92
36) Carbon tetrachloride	4.829	117	62156	13.952	ug/L		99
37) Tetrahydrofuran	4.843	42	11230	10.879	ug/L	#	81
39) 1,1,1-Trichloroethane	4.891	97	69530	13.161	ug/L		94
41) 2-Butanone	4.989	43	11860	10.105	ug/L	#	61
42) 1,1-Dichloropropene	5.017	75	36245	8.526	ug/L		99
44) Benzene	5.254	78	150253	11.941	ug/L	#	91
45) tert-Amyl methyl ether	5.372	73	70078	10.347	ug/L	#	88
47) 1,2-Dichloroethane	5.453	62	53174	11.315	ug/L		97
50) Methyl cyclohexane	5.829	83	65748	12.105	ug/L	#	66
51) Trichloroethene	5.837	95	40758	11.703	ug/L		98
53) Dibromomethane	6.265	93	22794	13.082	ug/L	#	84
54) 1,2-Dichloropropane	6.375	63	42227	10.783	ug/L		95
56) 2-Chloroethyl vinyl ether	7.075	63	13969	12.040	ug/L	#	83
57) Bromodichloromethane	6.449	83	51830	12.319	ug/L		100
59) Methyl methacrylate	6.626	69	6058	3.974	ug/L	#	10
60) 1,4-Dioxane	6.655	88	11837	683.561	ug/L	#	61
61) cis-1,3-Dichloropropene	7.134	75	54013	11.607	ug/L	#	86
64) Toluene	7.399	92	97817	11.289	ug/L		98
65) 4-Methyl-2-pentanone	7.841	58	8159	7.713	ug/L	#	73
66) Tetrachloroethene	7.841	166	46896	7.356	ug/L		95
68) trans-1,3-Dichloropropene	7.878	75	44933	10.598	ug/L		85
70) Ethyl methacrylate	8.085	69	28536	9.322	ug/L		93
71) 1,1,2-Trichloroethane	8.062	83	22460	10.518	ug/L		97
72) Chlorodibromomethane	8.265	129	38266	11.212	ug/L		98
73) 1,3-Dichloropropane	8.384	76	45336	10.157	ug/L		100
74) 1,2-Dibromoethane	8.543	107	26371	10.835	ug/L		99
76) 2-Hexanone	8.844	43	15453	8.830	ug/L		87
77) Chlorobenzene	9.193	112	112869	11.375	ug/L		89
78) Ethylbenzene	9.241	91	192603	11.373	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.280	131	35926	10.580	ug/L		97
80) p/m Xylene	9.431	106	160092	24.002	ug/L		99

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C08.D
Acq On : 19 Feb 2021 03:35 pm
Operator : VOA122:MKS
Sample : I8260STD10PPB
Misc : WG1466645
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 19 18:42:10 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Feb 16 09:48:26 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
81) o Xylene	9.978	106	142995	23.414	ug/L		99
82) Styrene	10.042	104	231953	23.621	ug/L		98
84) Bromoform	10.058	173	20629	9.834	ug/L		98
86) Isopropylbenzene	10.383	105	208549	11.256	ug/L		98
88) Bromobenzene	10.819	156	47034	11.182	ug/L		99
89) n-Propylbenzene	10.882	91	245197	10.988	ug/L		99
90) 1,4-Dichlorobutane	10.890	55	54108	8.487	ug/L		96
91) 1,1,2,2-Tetrachloroethane	10.962	83	31042	10.269	ug/L		99
92) 4-Ethyltoluene	11.017	105	192815	10.917	ug/L		99
93) 2-Chlorotoluene	11.049	91	161004	11.029	ug/L		99
94) 1,3,5-Trimethylbenzene	11.120	105	161092	10.567	ug/L		100
95) 1,2,3-Trichloropropane	11.104	75	24818	9.780	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.168	53	10064	9.066	ug/L	#	69
97) 4-Chlorotoluene	11.239	91	139984	10.521	ug/L		100
98) tert-Butylbenzene	11.468	119	162628	11.787	ug/L		92
99) Pentachloroethane	11.475	167	24384	No Calib	#		
101) 1,2,4-Trimethylbenzene	11.545	105	151550	10.241	ug/L		99
102) sec-Butylbenzene	11.663	105	188709	10.997	ug/L		98
103) p-Isopropyltoluene	11.823	119	173820	10.891	ug/L		99
104) 1,3-Dichlorobenzene	11.879	146	94992	11.024	ug/L		99
105) 1,4-Dichlorobenzene	11.970	146	94076	10.876	ug/L		98
106) p-Diethylbenzene	12.206	119	96695	10.689	ug/L		99
107) n-Butylbenzene	12.262	91	147090	10.810	ug/L		99
108) 1,2-Dichlorobenzene	12.401	146	84587	11.141	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.014	119	128536	10.062	ug/L		100
110) 1,2-Dibromo-3-chloropr...	13.195	155	5291	10.789	ug/L		98
111) 1,3,5-Trichlorobenzene	13.229	180	55071	11.294	ug/L		96
112) Hexachlorobutadiene	13.814	225	18685	12.155	ug/L		99
113) 1,2,4-Trichlorobenzene	13.835	180	49413	11.177	ug/L		98
114) Naphthalene	14.127	128	108724	10.603	ug/L		100
115) 1,2,3-Trichlorobenzene	14.294	180	42789	11.213	ug/L		98

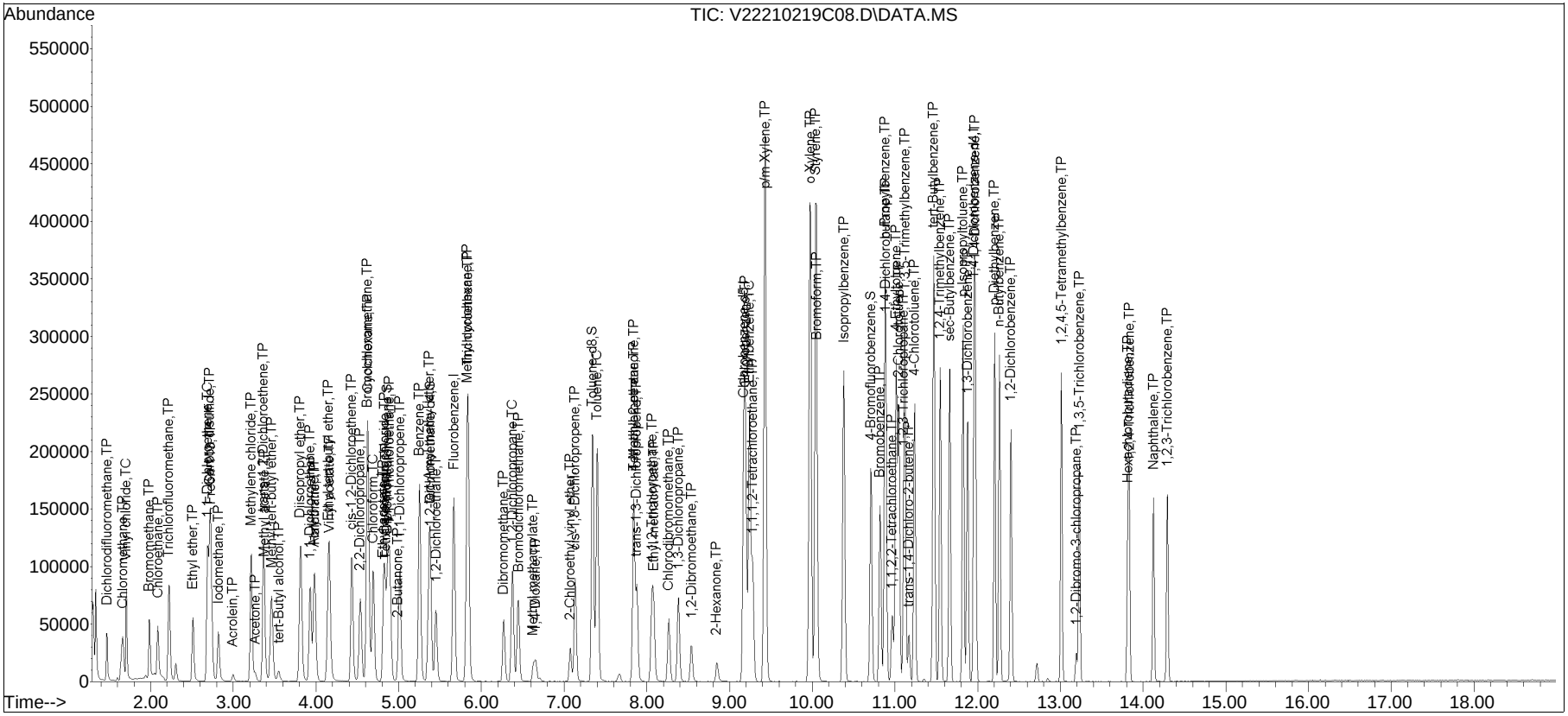
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C08.D
Acq On : 19 Feb 2021 03:35 pm
Operator : VOA122:MKS
Sample : I8260STD10PPB
Misc : WG1466645
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 19 18:42:10 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Feb 16 09:48:26 2021
Response via : Initial Calibration

Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MMCAL\V22210219C08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2Q	Method	: V122_210219C_8260.m
Data File	: V22210219C08.D	Operator	: VOA122:MKS
Date Inj'd	: 2/19/2021 3:35 pm	Instrument	: VOA122
Sample	: I8260STD10PPB	Quant Date	: 2/19/2021 6:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C09.D
Acq On : 19 Feb 2021 04:00 pm
Operator : VOA122:MKS
Sample : I8260STD30PPB
Misc : WG1466645
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 19 18:49:31 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	172299	10.000	ug/L	0.00
Standard Area 1 = 151084			Recovery = 114.04%			
62) Chlorobenzene-d5	9.177	117	140337	10.000	ug/L	0.00
Standard Area 1 = 125239			Recovery = 112.06%			
83) 1,4-Dichlorobenzene-d4	11.956	152	72916	10.000	ug/L	0.00
Standard Area 1 = 65821			Recovery = 110.78%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	51674	9.126	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 91.26%		
46) 1,2-Dichloroethane-d4	5.387	65	53588	9.366	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 93.66%		
63) Toluene-d8	7.348	98	174633	9.584	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 95.84%		
87) 4-Bromofluorobenzene	10.708	95	67751	9.568	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 95.68%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.476	85	77599	25.471	ug/L #	97
3) Chloromethane	1.664	50	162881	25.552	ug/L	98
4) Vinyl chloride	1.706	62	142333	25.588	ug/L	97
5) Bromomethane	1.985	94	79304	29.270	ug/L	99
6) Chloroethane	2.082	64	95595	25.732	ug/L	96
7) Trichlorofluoromethane	2.222	101	189784	24.419	ug/L	99
8) Ethyl ether	2.514	74	57942	28.351	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	117613	25.828	ug/L #	74
11) Carbon disulfide	2.717	76	265051	25.677	ug/L	99
12) Freon-113	2.731	101	119706	25.121	ug/L	95
13) Iodomethane	2.821	142	152745	27.617	ug/L	94
14) Acrolein	2.995	56	15746	26.670	ug/L	95
15) Methylene chloride	3.219	84	126225	25.876	ug/L #	65
17) Acetone	3.260	43	27791M1	25.316	ug/L	
18) trans-1,2-Dichloroethene	3.365	96	125915	25.859	ug/L	82
19) Methyl acetate	3.379	43	68046	28.568	ug/L #	86
21) Methyl tert-butyl ether	3.462	73	253118	29.573	ug/L #	85
22) tert-Butyl alcohol	3.546	59	35908	147.093	ug/L	91
24) Diisopropyl ether	3.818	45	435014	31.492	ug/L #	92
25) 1,1-Dichloroethane	3.930	63	261886	26.181	ug/L	96
26) Halothane	3.985	117	105926	26.638	ug/L	100

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C09.D
Acq On : 19 Feb 2021 04:00 pm
Operator : VOA122:MKS
Sample : I8260STD30PPB
Misc : WG1466645
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 19 18:49:31 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.971	53	38098	26.911	ug/L		97
28) Ethyl tert-butyl ether	4.153	59	362849	32.171	ug/L		89
29) Vinyl acetate	4.167	43	260310	32.841	ug/L	#	90
30) cis-1,2-Dichloroethene	4.438	96	144901	26.470	ug/L	#	82
31) 2,2-Dichloropropane	4.536	77	153830	28.167	ug/L	#	84
32) Bromochloromethane	4.620	128	63594	25.818	ug/L	#	70
33) Cyclohexane	4.627	56	268871	25.921	ug/L		67
34) Chloroform	4.696	83	228581	26.042	ug/L	#	95
35) Ethyl acetate	4.815	43	95837	28.687	ug/L	#	93
36) Carbon tetrachloride	4.829	117	184977	26.096	ug/L		99
37) Tetrahydrofuran	4.843	42	34435	26.888	ug/L	#	80
39) 1,1,1-Trichloroethane	4.892	97	208433	26.286	ug/L		91
41) 2-Butanone	4.989	43	36479	26.971	ug/L	#	67
42) 1,1-Dichloropropene	5.017	75	117693	28.473	ug/L		99
44) Benzene	5.254	78	484586	28.280	ug/L	#	91
45) tert-Amyl methyl ether	5.372	73	251538	31.474	ug/L	#	90
47) 1,2-Dichloroethane	5.453	62	162748	26.838	ug/L		98
50) Methyl cyclohexane	5.830	83	205427	27.397	ug/L	#	67
51) Trichloroethene	5.837	95	131789	28.353	ug/L		99
53) Dibromomethane	6.273	93	69386	26.692	ug/L	#	85
54) 1,2-Dichloropropane	6.376	63	137906	28.637	ug/L		94
56) 2-Chloroethyl vinyl ether	7.076	63	32139	20.174	ug/L	#	86
57) Bromodichloromethane	6.449	83	167757	28.381	ug/L		100
59) Methyl methacrylate	6.626	69	23398	16.934	ug/L	#	14
60) 1,4-Dioxane	6.656	88	15240	564.481	ug/L	#	58
61) cis-1,3-Dichloropropene	7.134	75	189177	30.712	ug/L	#	87
64) Toluene	7.400	92	303145	27.657	ug/L		98
65) 4-Methyl-2-pentanone	7.842	58	29589	32.364	ug/L	#	79
66) Tetrachloroethene	7.842	166	147167	28.005	ug/L		96
68) trans-1,3-Dichloropropene	7.878	75	159432	31.665	ug/L		86
70) Ethyl methacrylate	8.085	69	107706	33.683	ug/L		99
71) 1,1,2-Trichloroethane	8.063	83	76332	30.329	ug/L		98
72) Chlorodibromomethane	8.265	129	129730	30.255	ug/L		98
73) 1,3-Dichloropropane	8.384	76	156516	30.809	ug/L		99
74) 1,2-Dibromoethane	8.535	107	89881	30.416	ug/L		99
76) 2-Hexanone	8.844	43	53272	30.765	ug/L		90
77) Chlorobenzene	9.193	112	367265	29.038	ug/L		88
78) Ethylbenzene	9.241	91	610042	28.266	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.281	131	127592	31.694	ug/L		97
80) p/m Xylene	9.431	106	492694	54.929	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C09.D
Acq On : 19 Feb 2021 04:00 pm
Operator : VOA122:MKS
Sample : I8260STD30PPB
Misc : WG1466645
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 19 18:49:31 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
81) o Xylene	9.978	106	439977	54.917	ug/L		100
82) Styrene	10.042	104	720433	55.436	ug/L		99
84) Bromoform	10.058	173	70516	30.857	ug/L		100
86) Isopropylbenzene	10.383	105	630442	27.288	ug/L		99
88) Bromobenzene	10.819	156	146082	28.037	ug/L		99
89) n-Propylbenzene	10.882	91	759153	27.948	ug/L		100
90) 1,4-Dichlorobutane	10.890	55	181841	30.337	ug/L		95
91) 1,1,2,2-Tetrachloroethane	10.962	83	104234	30.311	ug/L		99
92) 4-Ethyltoluene	11.017	105	610426	28.578	ug/L		100
93) 2-Chlorotoluene	11.049	91	493742	27.682	ug/L		99
94) 1,3,5-Trimethylbenzene	11.120	105	510553	28.609	ug/L		100
95) 1,2,3-Trichloropropane	11.105	75	82418M1	29.978	ug/L		
96) trans-1,4-Dichloro-2-b...	11.168	53	33957	30.458	ug/L	#	78
97) 4-Chlorotoluene	11.239	91	449347	28.976	ug/L		99
98) tert-Butylbenzene	11.469	119	531574	29.506	ug/L		91
99) Pentachloroethane	11.475	167	87841	32.519	ug/L	#	1
101) 1,2,4-Trimethylbenzene	11.545	105	505477	30.108	ug/L		99
102) sec-Butylbenzene	11.663	105	599195	28.663	ug/L		98
103) p-Isopropyltoluene	11.824	119	561725	29.172	ug/L		99
104) 1,3-Dichlorobenzene	11.879	146	305061	28.990	ug/L		98
105) 1,4-Dichlorobenzene	11.970	146	303112	29.085	ug/L		98
106) p-Diethylbenzene	12.206	119	323499	30.200	ug/L		99
107) n-Butylbenzene	12.262	91	480632	29.497	ug/L		99
108) 1,2-Dichlorobenzene	12.401	146	271917	29.018	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.014	119	435712	30.600	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.195	155	18093	30.868	ug/L		98
111) 1,3,5-Trichlorobenzene	13.230	180	176565	28.942	ug/L		97
112) Hexachlorobutadiene	13.814	225	58417	28.222	ug/L		99
113) 1,2,4-Trichlorobenzene	13.828	180	161132	29.436	ug/L		99
114) Naphthalene	14.128	128	369082	30.644	ug/L		100
115) 1,2,3-Trichlorobenzene	14.295	180	141316	29.813	ug/L		99

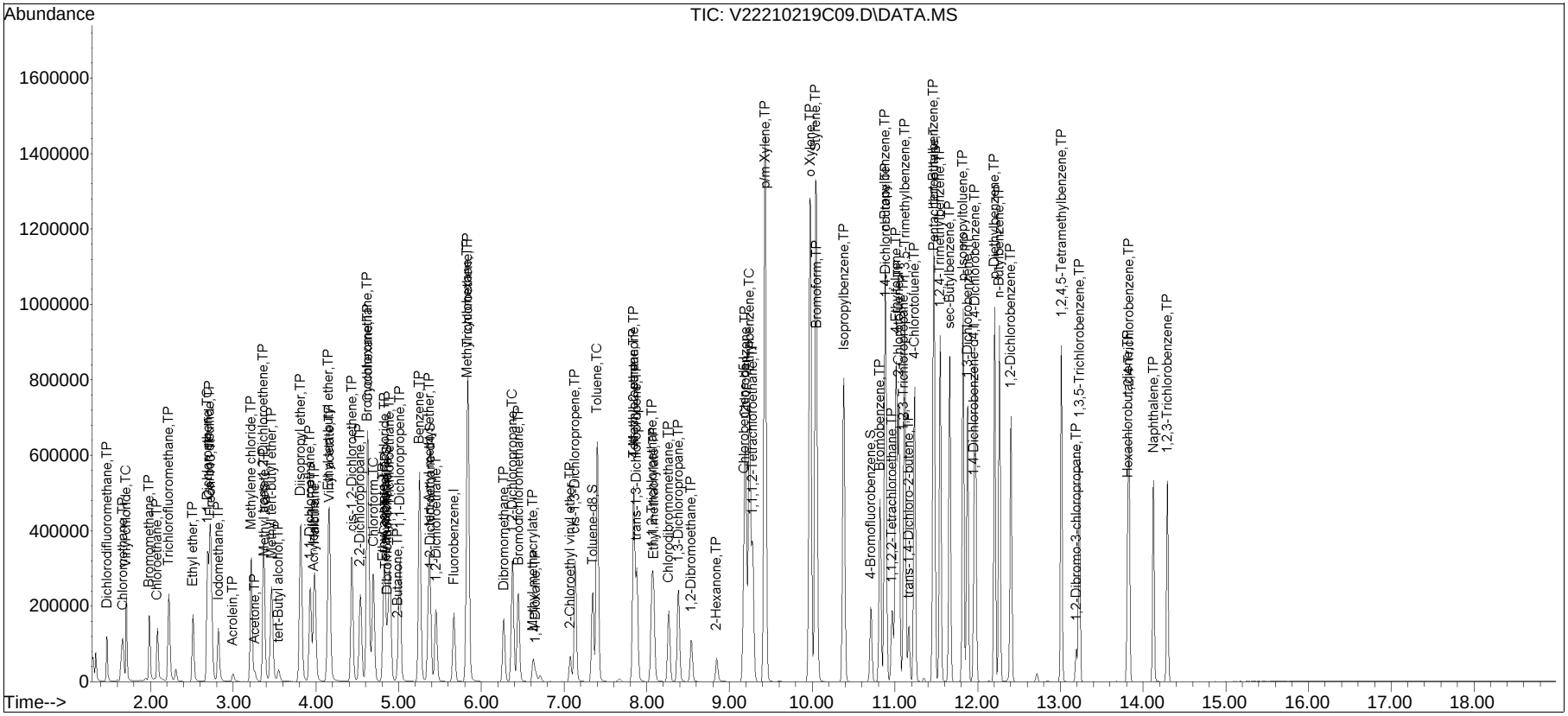
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C09.D
Acq On : 19 Feb 2021 04:00 pm
Operator : VOA122:MKS
Sample : I8260STD30PPB
Misc : WG1466645
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 19 18:49:31 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

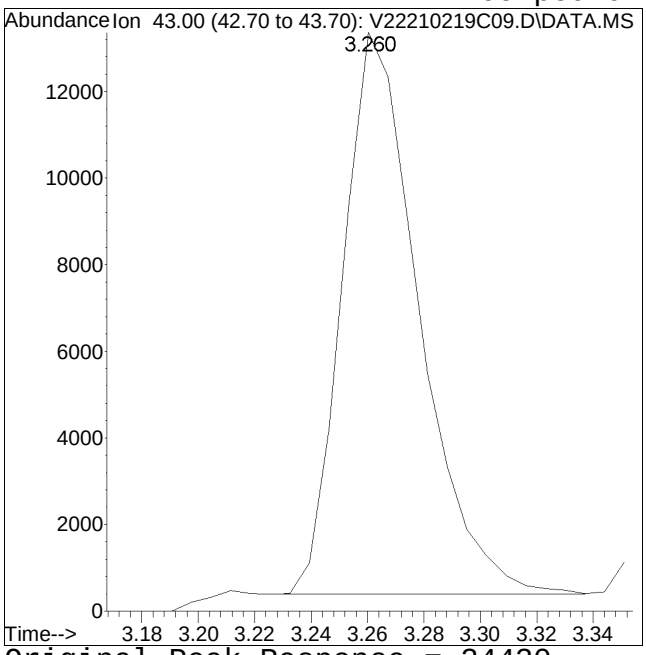
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MMCAL\V22210219C08.D•



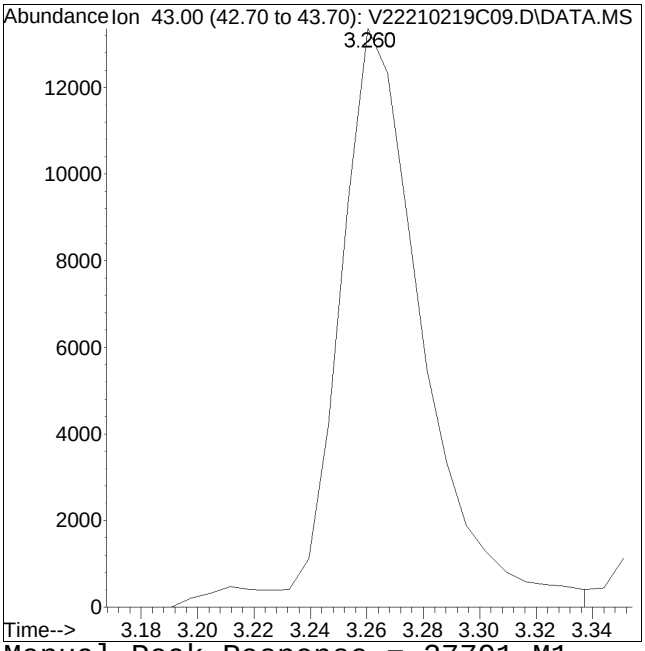
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210219C09.D Operator : VOA122:MKS
Date Inj'd : 2/19/2021 4:00 pm Instrument : VOA122
Sample : I8260STD30PPB Quant Date : 2/19/2021 6:43 pm

Compound #17: Acetone



Original Peak Response = 24430



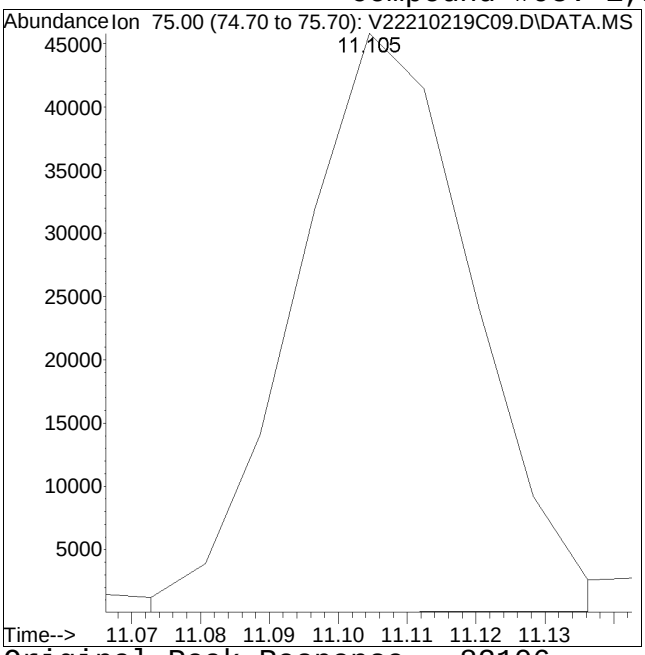
Manual Peak Response = 27791 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

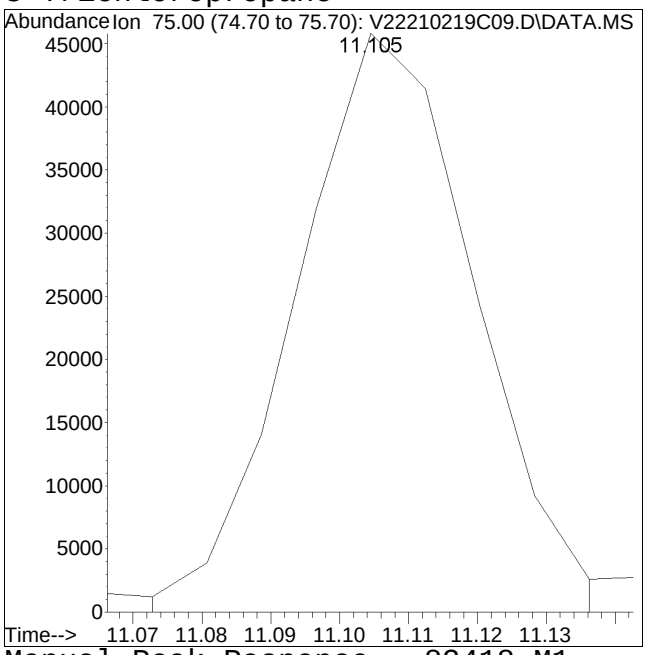
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210219C09.D Operator : VOA122:MKS
Date Inj'd : 2/19/2021 4:00 pm Instrument : VOA122
Sample : I8260STD30PPB Quant Date : 2/19/2021 6:43 pm

Compound #95: 1,2,3-Trichloropropane



Original Peak Response = 82106



Manual Peak Response = 82418 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C10.D
Acq On : 19 Feb 2021 04:24 pm
Operator : VOA122:MKS
Sample : I8260STD80PPB
Misc : WG1466645
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 19 18:56:14 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	201976	10.000	ug/L	0.00
Standard Area 1 = 151084			Recovery = 133.68%			
62) Chlorobenzene-d5	9.177	117	155604	10.000	ug/L	0.00
Standard Area 1 = 125239			Recovery = 124.25%			
83) 1,4-Dichlorobenzene-d4	11.956	152	77756	10.000	ug/L	0.00
Standard Area 1 = 65821			Recovery = 118.13%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	57465	8.658	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.58%			
46) 1,2-Dichloroethane-d4	5.387	65	60106	8.961	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.61%			
63) Toluene-d8	7.348	98	203428	10.069	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.69%			
87) 4-Bromofluorobenzene	10.708	95	72561	9.609	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.09%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	234526	65.671	ug/L #	96
3) Chloromethane	1.664	50	472976	63.297	ug/L	98
4) Vinyl chloride	1.706	62	444821	68.218	ug/L	97
5) Bromomethane	1.985	94	235849	74.258	ug/L	98
6) Chloroethane	2.075	64	197554M1	45.364	ug/L	
7) Trichlorofluoromethane	2.215	101	581318	63.807	ug/L	99
8) Ethyl ether	2.514	74	182821	76.310	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	356084	66.707	ug/L #	74
11) Carbon disulfide	2.717	76	798953	66.027	ug/L	99
12) Freon-113	2.730	101	372239	66.639	ug/L	96
13) Iodomethane	2.821	142	435106	67.109	ug/L	95
14) Acrolein	2.995	56	52130	75.323	ug/L	97
15) Methylene chloride	3.218	84	372969	65.223	ug/L #	66
17) Acetone	3.260	43	83597M1	64.963	ug/L	
18) trans-1,2-Dichloroethene	3.365	96	377517	66.139	ug/L	83
19) Methyl acetate	3.379	43	220353	78.919	ug/L #	85
21) Methyl tert-butyl ether	3.462	73	811357	80.866	ug/L #	86
22) tert-Butyl alcohol	3.546	59	113006	394.898	ug/L	96
24) Diisopropyl ether	3.818	45	1412430	87.227	ug/L #	91
25) 1,1-Dichloroethane	3.929	63	779087	66.443	ug/L	96
26) Halothane	3.985	117	321949	69.066	ug/L	99

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C10.D
Acq On : 19 Feb 2021 04:24 pm
Operator : VOA122:MKS
Sample : I8260STD80PPB
Misc : WG1466645
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 19 18:56:14 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.971	53	120296	72.487	ug/L		95
28) Ethyl tert-butyl ether	4.153	59	1188769	89.912	ug/L		87
29) Vinyl acetate	4.166	43	885817	95.335	ug/L	#	90
30) cis-1,2-Dichloroethene	4.431	96	428791	66.820	ug/L	#	82
31) 2,2-Dichloropropane	4.536	77	481480	75.208	ug/L		86
32) Bromochloromethane	4.620	128	178045	61.662	ug/L	#	70
33) Cyclohexane	4.627	56	865194	71.154	ug/L		68
34) Chloroform	4.689	83	683348	66.415	ug/L	#	94
35) Ethyl acetate	4.815	43	315385	80.534	ug/L	#	93
36) Carbon tetrachloride	4.829	117	585290	70.438	ug/L		99
37) Tetrahydrofuran	4.843	42	109757	73.109	ug/L	#	81
39) 1,1,1-Trichloroethane	4.891	97	634893	68.304	ug/L		92
41) 2-Butanone	4.982	43	123413	77.839	ug/L	#	66
42) 1,1-Dichloropropene	5.017	75	361728	74.654	ug/L		99
44) Benzene	5.254	78	1506991	75.025	ug/L	#	91
45) tert-Amyl methyl ether	5.372	73	856613	91.437	ug/L	#	92
47) 1,2-Dichloroethane	5.453	62	490173	68.955	ug/L		98
50) Methyl cyclohexane	5.830	83	715533	81.408	ug/L	#	68
51) Trichloroethene	5.837	95	417818	76.682	ug/L		99
53) Dibromomethane	6.265	93	213779	70.156	ug/L		85
54) 1,2-Dichloropropane	6.376	63	431511	76.440	ug/L		94
56) 2-Chloroethyl vinyl ether	7.075	63	126001	67.473	ug/L		86
57) Bromodichloromethane	6.449	83	520700	75.149	ug/L		99
59) Methyl methacrylate	6.626	69	84772	52.337	ug/L	#	17
60) 1,4-Dioxane	6.656	88	24800	783.608	ug/L	#	54
61) cis-1,3-Dichloropropene	7.134	75	619258	85.761	ug/L	#	89
64) Toluene	7.400	92	952021	78.334	ug/L		98
65) 4-Methyl-2-pentanone	7.842	58	102083	100.701	ug/L	#	81
66) Tetrachloroethene	7.842	166	487904	83.737	ug/L		96
68) trans-1,3-Dichloropropene	7.878	75	533029	95.478	ug/L		89
70) Ethyl methacrylate	8.085	69	353840	99.800	ug/L		99
71) 1,1,2-Trichloroethane	8.063	83	247756	88.784	ug/L		99
72) Chlorodibromomethane	8.265	129	421953	88.750	ug/L		100
73) 1,3-Dichloropropane	8.384	76	503015	89.301	ug/L		99
74) 1,2-Dibromoethane	8.535	107	297650	90.844	ug/L		100
76) 2-Hexanone	8.844	43	172733	89.967	ug/L		93
77) Chlorobenzene	9.193	112	1082578	77.198	ug/L		89
78) Ethylbenzene	9.241	91	1814699	75.833	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.281	131	401166	89.874	ug/L		97
80) p/m Xylene	9.431	106	1429916	143.777	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C10.D
Acq On : 19 Feb 2021 04:24 pm
Operator : VOA122:MKS
Sample : I8260STD80PPB
Misc : WG1466645
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 19 18:56:14 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
81)	o Xylene	9.978	106	1303680	146.757	ug/L		99
82)	Styrene	10.050	104	2177579	151.120	ug/L		100
84)	Bromoform	10.058	173	230930	94.762	ug/L		99
86)	Isopropylbenzene	10.383	105	1858365	75.432	ug/L		99
88)	Bromobenzene	10.819	156	423373	76.198	ug/L		99
89)	n-Propylbenzene	10.882	91	2210128	76.301	ug/L		99
90)	1,4-Dichlorobutane	10.890	55	556553	87.071	ug/L		95
91)	1,1,2,2-Tetrachloroethane	10.970	83	318648	86.894	ug/L		99
92)	4-Ethyltoluene	11.017	105	1761300	77.326	ug/L		100
93)	2-Chlorotoluene	11.049	91	1407259	73.989	ug/L		99
94)	1,3,5-Trimethylbenzene	11.120	105	1483300	77.945	ug/L		100
95)	1,2,3-Trichloropropane	11.104	75	254749M1	86.891	ug/L		
96)	trans-1,4-Dichloro-2-b...	11.168	53	105811	89.000	ug/L	#	79
97)	4-Chlorotoluene	11.239	91	1291984	78.128	ug/L		99
98)	tert-Butylbenzene	11.468	119	1569071	81.673	ug/L		92
99)	Pentachloroethane	11.482	167	253358	87.955	ug/L	#	1
101)	1,2,4-Trimethylbenzene	11.545	105	1473373	82.298	ug/L		100
102)	sec-Butylbenzene	11.663	105	1772980	79.532	ug/L		99
103)	p-Isopropyltoluene	11.823	119	1645210	80.122	ug/L		99
104)	1,3-Dichlorobenzene	11.879	146	866796	77.243	ug/L		98
105)	1,4-Dichlorobenzene	11.977	146	865103	77.843	ug/L		99
106)	p-Diethylbenzene	12.206	119	955993	83.691	ug/L		99
107)	n-Butylbenzene	12.262	91	1421694	81.819	ug/L		99
108)	1,2-Dichlorobenzene	12.401	146	781900	78.249	ug/L		98
109)	1,2,4,5-Tetramethylben...	13.014	119	1287269	84.776	ug/L		99
110)	1,2-Dibromo-3-chloropr...	13.195	155	54533	87.247	ug/L		100
111)	1,3,5-Trichlorobenzene	13.230	180	510606	78.486	ug/L		97
112)	Hexachlorobutadiene	13.814	225	174904	79.239	ug/L		98
113)	1,2,4-Trichlorobenzene	13.828	180	468260	80.219	ug/L		98
114)	Naphthalene	14.128	128	1097021	85.412	ug/L		100
115)	1,2,3-Trichlorobenzene	14.295	180	406823	80.483	ug/L		98

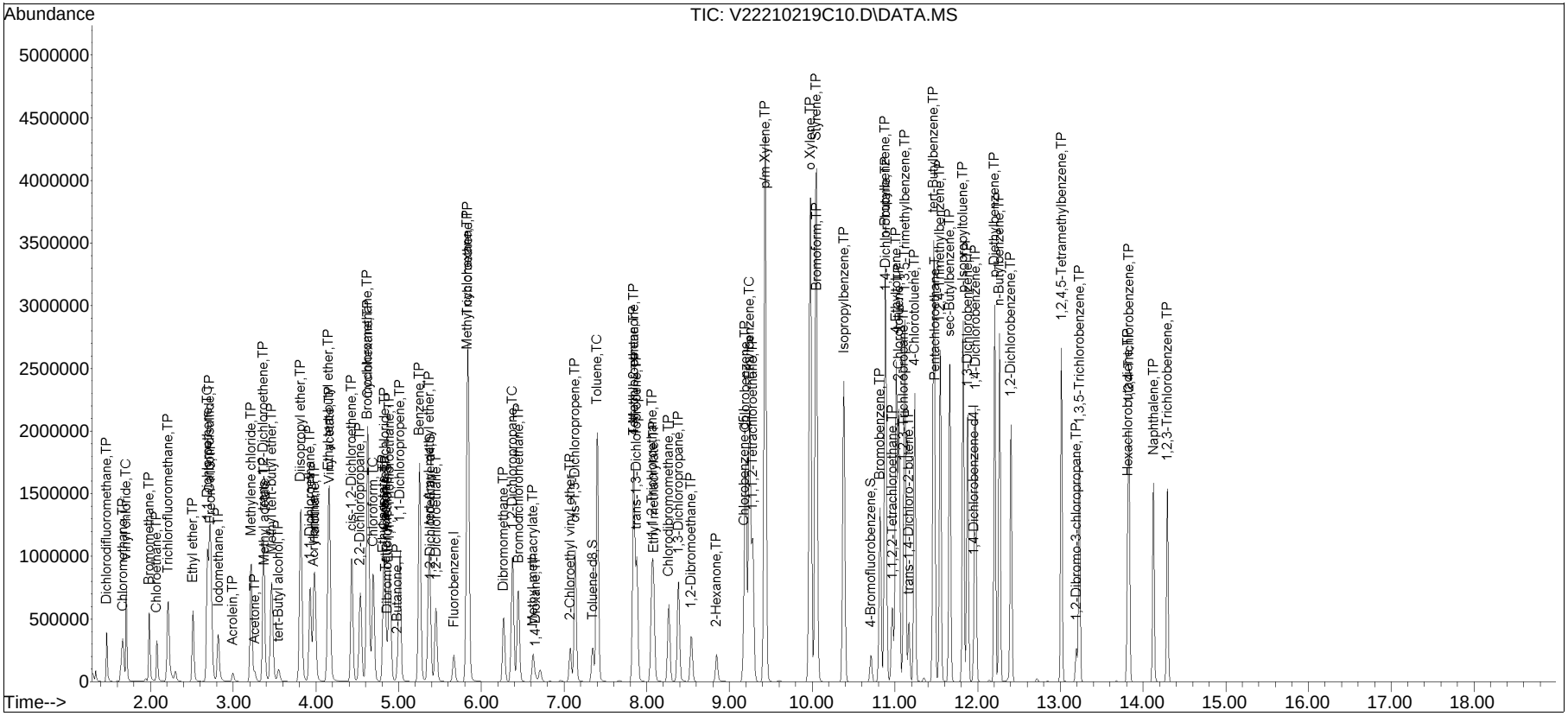
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C10.D
Acq On : 19 Feb 2021 04:24 pm
Operator : VOA122:MKS
Sample : I8260STD80PPB
Misc : WG1466645
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 19 18:56:14 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

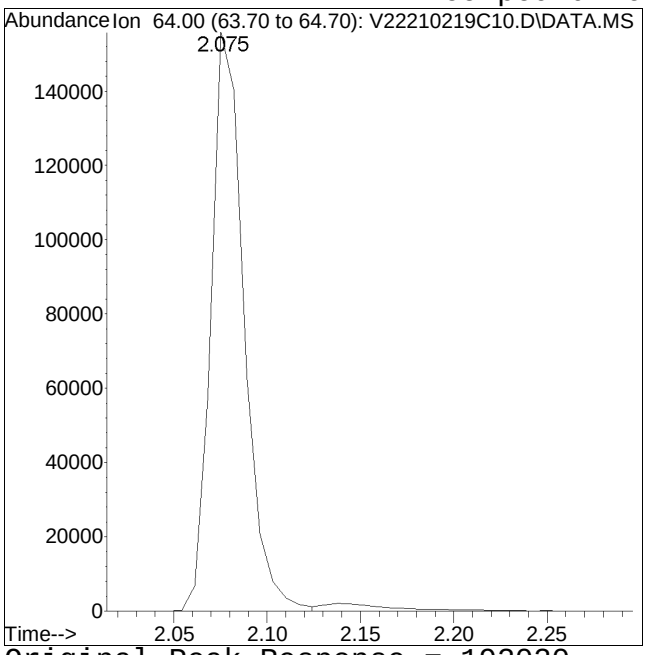
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MMCAL\V22210219C08.D•



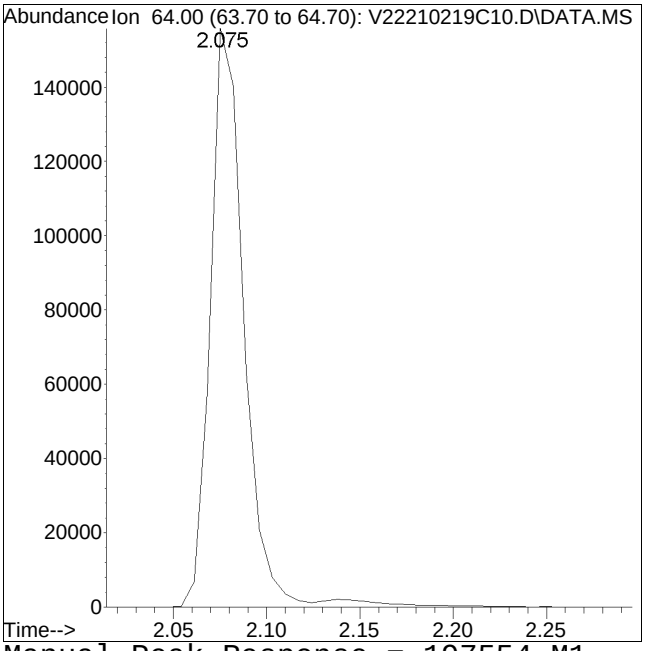
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210219C10.D Operator : VOA122:MKS
Date Inj'd : 2/19/2021 4:24 pm Instrument : VOA122
Sample : I8260STD80PPB Quant Date : 2/19/2021 6:43 pm

Compound #6: Chloroethane



Original Peak Response = 192020



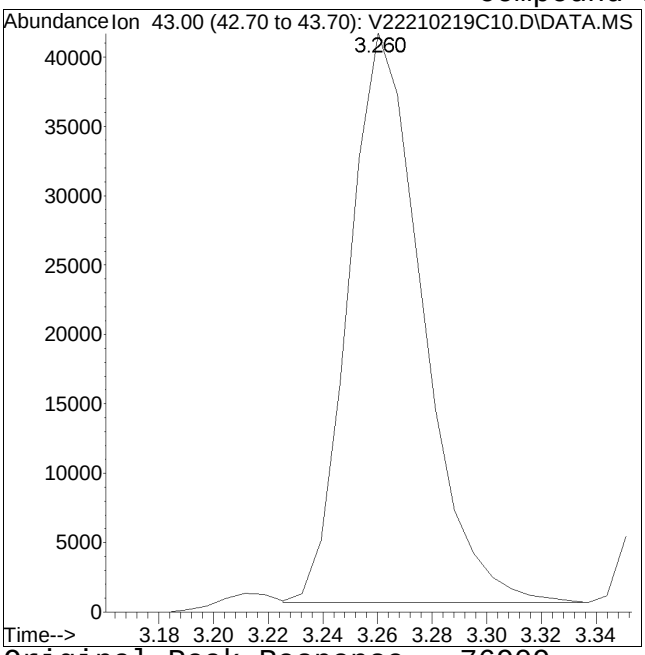
Manual Peak Response = 197554 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

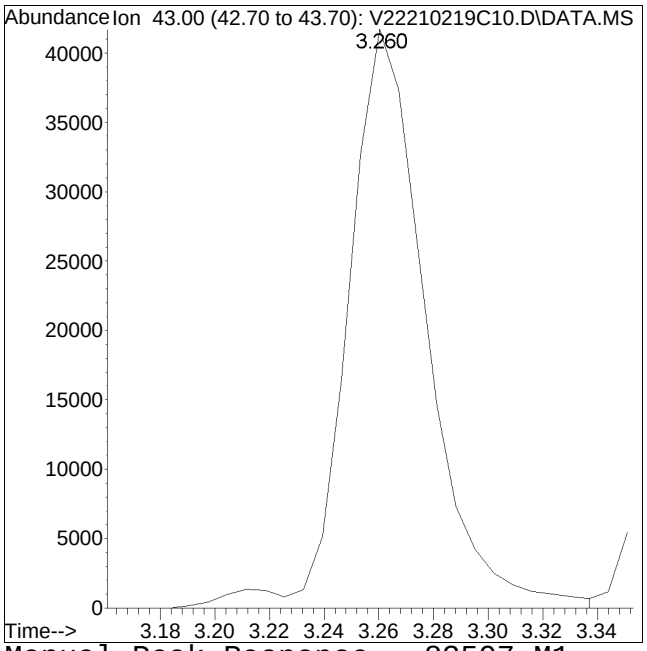
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210219C10.D Operator : VOA122:MKS
Date Inj'd : 2/19/2021 4:24 pm Instrument : VOA122
Sample : I8260STD80PPB Quant Date : 2/19/2021 6:43 pm

Compound #17: Acetone



Original Peak Response = 76909



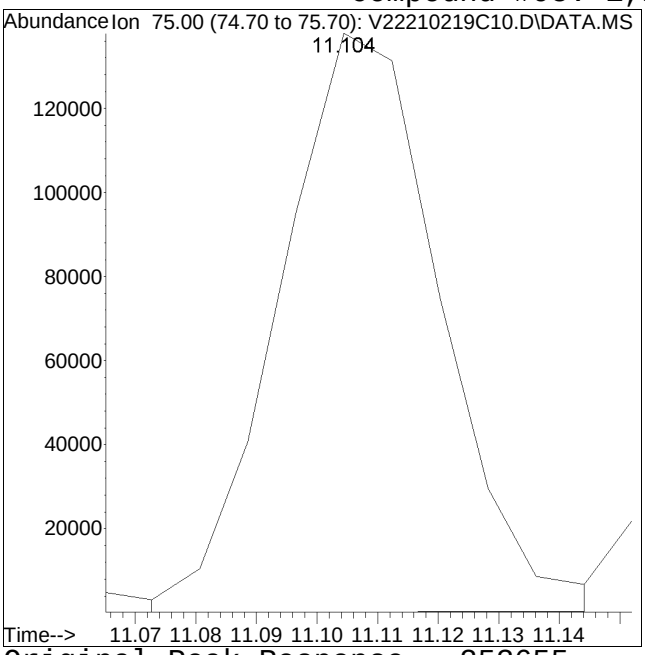
Manual Peak Response = 83597 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

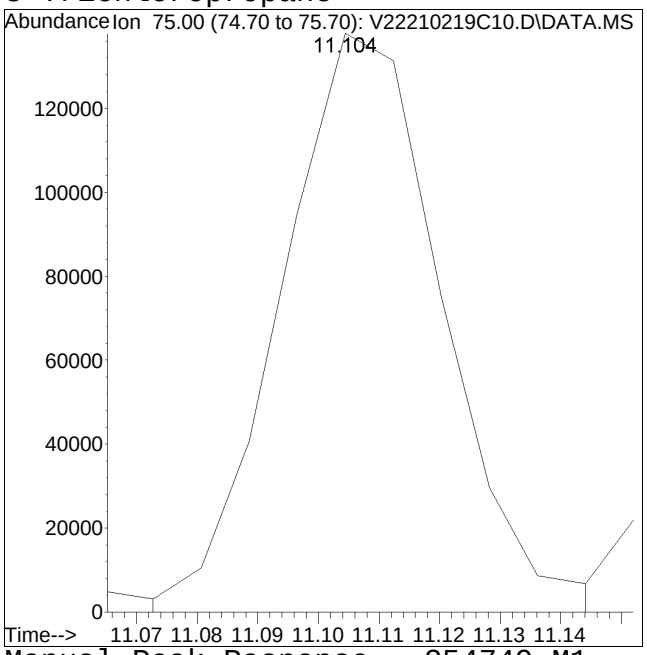
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210219C10.D Operator : VOA122:MKS
Date Inj'd : 2/19/2021 4:24 pm Instrument : VOA122
Sample : I8260STD80PPB Quant Date : 2/19/2021 6:43 pm

Compound #95: 1,2,3-Trichloropropane



Original Peak Response = 253655



Manual Peak Response = 254749 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C11.D
Acq On : 19 Feb 2021 04:49 pm
Operator : VOA122:MKS
Sample : I8260STD120PPB
Misc : WG1466645
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 19 18:56:26 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	207956	10.000	ug/L	0.00
Standard Area 1 = 151084			Recovery = 137.64%			
62) Chlorobenzene-d5	9.177	117	159317	10.000	ug/L	0.00
Standard Area 1 = 125239			Recovery = 127.21%			
83) 1,4-Dichlorobenzene-d4	11.956	152	79579	10.000	ug/L	0.00
Standard Area 1 = 65821			Recovery = 120.90%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	59089	8.646	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 86.46%		
46) 1,2-Dichloroethane-d4	5.387	65	62332	9.026	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 90.26%		
63) Toluene-d8	7.348	98	210510	10.176	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 101.76%		
87) 4-Bromofluorobenzene	10.708	95	74524	9.643	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 96.43%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	359738	97.835	ug/L	97
3) Chloromethane	1.664	50	723328	94.018	ug/L	97
4) Vinyl chloride	1.706	62	679296	101.181	ug/L	97
5) Bromomethane	1.985	94	382989	117.118	ug/L	99
6) Chloroethane	2.075	64	268354M1	59.849	ug/L	
7) Trichlorofluoromethane	2.208	101	886444	94.500	ug/L	99
8) Ethyl ether	2.514	74	281866	114.269	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	541711	98.563	ug/L #	75
11) Carbon disulfide	2.717	76	1225877	98.395	ug/L	99
12) Freon-113	2.724	101	562530	97.810	ug/L	95
13) Iodomethane	2.821	142	644925	96.610	ug/L	94
14) Acrolein	2.995	56	81071	113.772	ug/L	96
15) Methylene chloride	3.219	84	569200	96.677	ug/L #	67
17) Acetone	3.260	43	129133	97.463	ug/L	97
18) trans-1,2-Dichloroethene	3.365	96	573113	97.519	ug/L	83
19) Methyl acetate	3.379	43	345194	120.076	ug/L #	85
21) Methyl tert-butyl ether	3.462	73	1274431	123.368	ug/L #	86
22) tert-Butyl alcohol	3.553	59	186060	631.487	ug/L	97
24) Diisopropyl ether	3.818	45	2182920	130.934	ug/L #	91
25) 1,1-Dichloroethane	3.930	63	1188947	98.482	ug/L	96
26) Halothane	3.985	117	491527	102.413	ug/L	100

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C11.D
Acq On : 19 Feb 2021 04:49 pm
Operator : VOA122:MKS
Sample : I8260STD120PPB
Misc : WG1466645
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 19 18:56:26 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.971	53	185182	108.376	ug/L		96
28) Ethyl tert-butyl ether	4.153	59	1864126	136.939	ug/L		86
29) Vinyl acetate	4.167	43	1408551	147.235	ug/L	#	91
30) cis-1,2-Dichloroethene	4.431	96	652880	98.815	ug/L	#	81
31) 2,2-Dichloropropane	4.536	77	759533	115.228	ug/L		87
32) Bromochloromethane	4.620	128	272421	91.633	ug/L	#	72
33) Cyclohexane	4.627	56	1307354	104.426	ug/L		68
34) Chloroform	4.689	83	1036647	97.855	ug/L	#	95
35) Ethyl acetate	4.808	43	492562	122.160	ug/L	#	93
36) Carbon tetrachloride	4.829	117	899387	105.126	ug/L		99
37) Tetrahydrofuran	4.843	42	170416	110.250	ug/L	#	83
39) 1,1,1-Trichloroethane	4.891	97	968718	101.221	ug/L		93
41) 2-Butanone	4.982	43	193925	118.794	ug/L	#	66
42) 1,1-Dichloropropene	5.017	75	551965	110.640	ug/L		99
44) Benzene	5.254	78	2312420	111.813	ug/L	#	91
45) tert-Amyl methyl ether	5.372	73	1364060	141.416	ug/L		93
47) 1,2-Dichloroethane	5.453	62	753209	102.911	ug/L		99
50) Methyl cyclohexane	5.830	83	1096686	121.184	ug/L	#	68
51) Trichloroethene	5.837	95	643844	114.766	ug/L		98
53) Dibromomethane	6.265	93	357612	113.983	ug/L	#	82
54) 1,2-Dichloropropane	6.376	63	663584	114.170	ug/L		94
56) 2-Chloroethyl vinyl ether	7.075	63	210378	109.416	ug/L	#	86
57) Bromodichloromethane	6.442	83	805764	112.947	ug/L		100
59) Methyl methacrylate	6.626	69	135244	81.097	ug/L	#	17
60) 1,4-Dioxane	6.656	88	38615	1185.036	ug/L	#	52
61) cis-1,3-Dichloropropene	7.134	75	961025	129.266	ug/L	#	89
64) Toluene	7.400	92	1465325	117.760	ug/L		97
65) 4-Methyl-2-pentanone	7.842	58	166662	160.575	ug/L	#	83
66) Tetrachloroethene	7.842	166	729638	122.306	ug/L		96
68) trans-1,3-Dichloropropene	7.878	75	839705	146.906	ug/L		89
70) Ethyl methacrylate	8.085	69	559702	154.185	ug/L		98
71) 1,1,2-Trichloroethane	8.063	83	387863	135.752	ug/L		98
72) Chlorodibromomethane	8.265	129	660056	135.595	ug/L		99
73) 1,3-Dichloropropane	8.384	76	783488	135.852	ug/L		99
74) 1,2-Dibromoethane	8.535	107	465084	138.638	ug/L		99
76) 2-Hexanone	8.844	43	274475	139.626	ug/L		94
77) Chlorobenzene	9.193	112	1673020	116.521	ug/L		89
78) Ethylbenzene	9.241	91	2784412	113.644	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.281	131	625523	136.871	ug/L		98
80) p/m Xylene	9.431	106	2181667	214.253	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C11.D
Acq On : 19 Feb 2021 04:49 pm
Operator : VOA122:MKS
Sample : I8260STD120PPB
Misc : WG1466645
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 19 18:56:26 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
81)	o Xylene	9.978	106	1998378	219.717	ug/L		100
82)	Styrene	10.050	104	3342791	226.577	ug/L		99
84)	Bromoform	10.058	173	361813	145.068	ug/L		99
86)	Isopropylbenzene	10.383	105	2833616	112.383	ug/L		99
88)	Bromobenzene	10.819	156	653701	114.956	ug/L		100
89)	n-Propylbenzene	10.882	91	3361062	113.378	ug/L		99
90)	1,4-Dichlorobutane	10.890	55	871091	133.158	ug/L		95
91)	1,1,2,2-Tetrachloroethane	10.970	83	491359	130.923	ug/L		99
92)	4-Ethyltoluene	11.017	105	2673817	114.698	ug/L		100
93)	2-Chlorotoluene	11.049	91	2151007	110.502	ug/L		99
94)	1,3,5-Trimethylbenzene	11.120	105	2269334	116.517	ug/L		100
95)	1,2,3-Trichloropropane	11.104	75	399251	133.059	ug/L		98
96)	trans-1,4-Dichloro-2-b...	11.168	53	166301	136.675	ug/L	#	80
97)	4-Chlorotoluene	11.239	91	1970958	116.457	ug/L		100
98)	tert-Butylbenzene	11.468	119	2411391	122.642	ug/L		91
99)	Pentachloroethane	11.482	167	416768	141.369	ug/L	#	1
101)	1,2,4-Trimethylbenzene	11.552	105	2277511	124.300	ug/L		99
102)	sec-Butylbenzene	11.663	105	2664542	116.787	ug/L		99
103)	p-Isopropyltoluene	11.823	119	2521699	119.994	ug/L		99
104)	1,3-Dichlorobenzene	11.879	146	1324961	115.367	ug/L		98
105)	1,4-Dichlorobenzene	11.977	146	1322557	116.279	ug/L		99
106)	p-Diethylbenzene	12.206	119	1473612	126.051	ug/L		99
107)	n-Butylbenzene	12.262	91	2158301	121.365	ug/L		99
108)	1,2-Dichlorobenzene	12.401	146	1192414	116.598	ug/L		98
109)	1,2,4,5-Tetramethylben...	13.014	119	2008773	129.262	ug/L		100
110)	1,2-Dibromo-3-chloropr...	13.195	155	85392	133.489	ug/L		100
111)	1,3,5-Trichlorobenzene	13.230	180	792215	118.983	ug/L		97
112)	Hexachlorobutadiene	13.814	225	274592	121.552	ug/L		99
113)	1,2,4-Trichlorobenzene	13.835	180	734724	122.984	ug/L		98
114)	Naphthalene	14.128	128	1700090	129.334	ug/L		100
115)	1,2,3-Trichlorobenzene	14.295	180	637023	123.137	ug/L		98

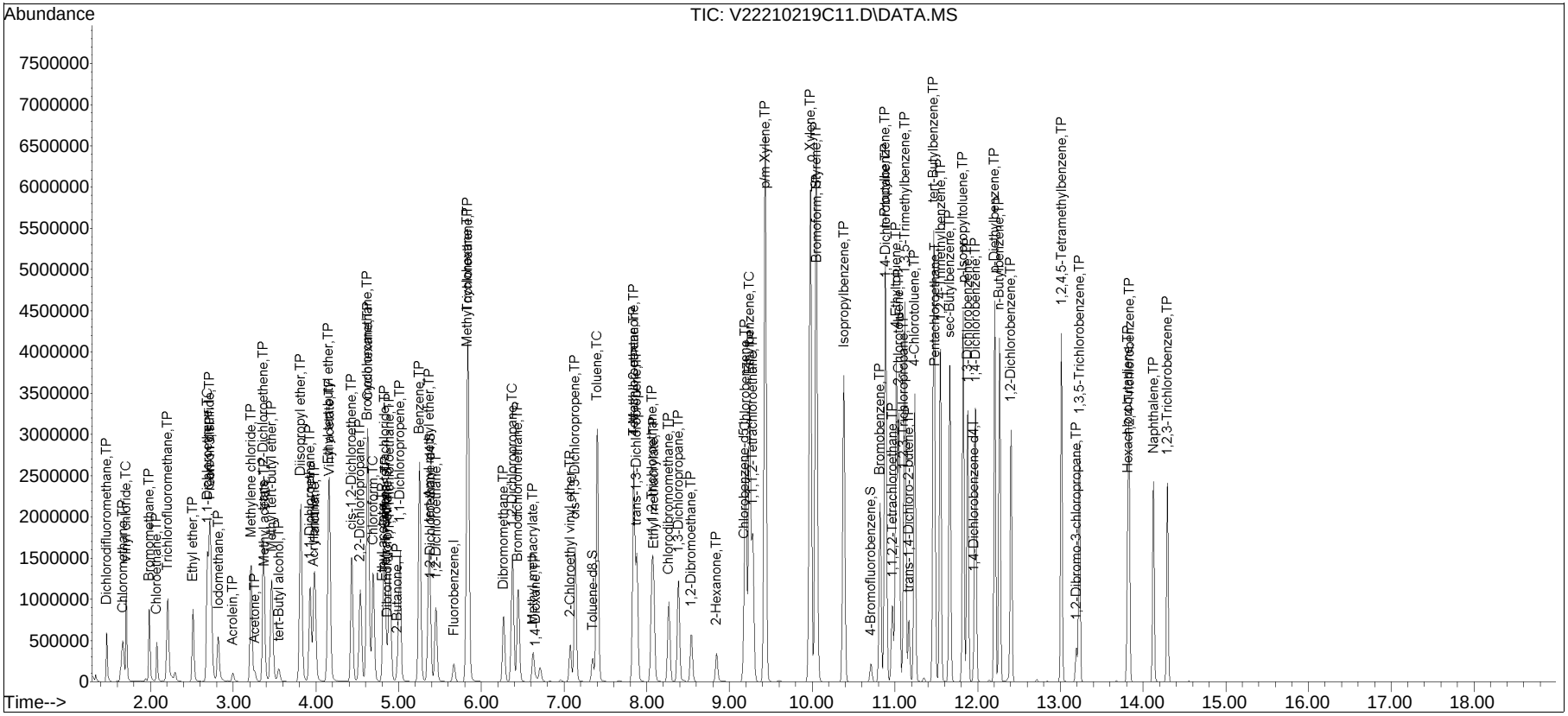
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C11.D
Acq On : 19 Feb 2021 04:49 pm
Operator : VOA122:MKS
Sample : I8260STD120PPB
Misc : WG1466645
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 19 18:56:26 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

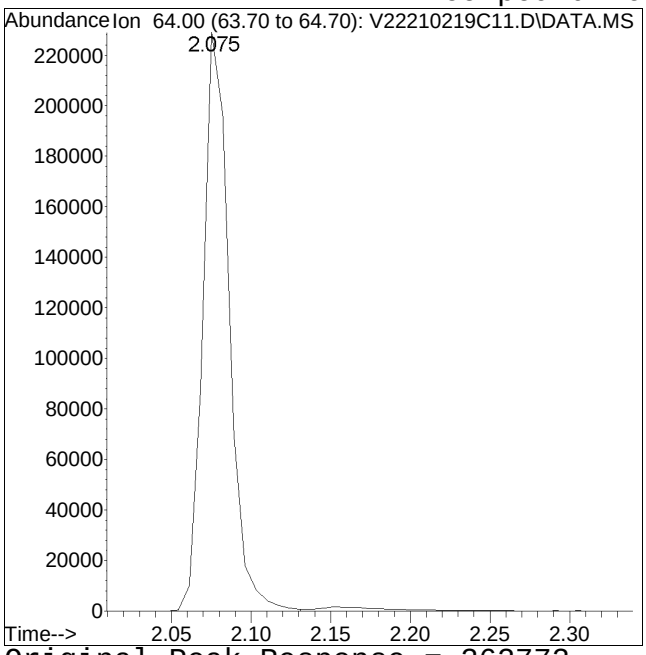
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MMCAL\V22210219C08.D•

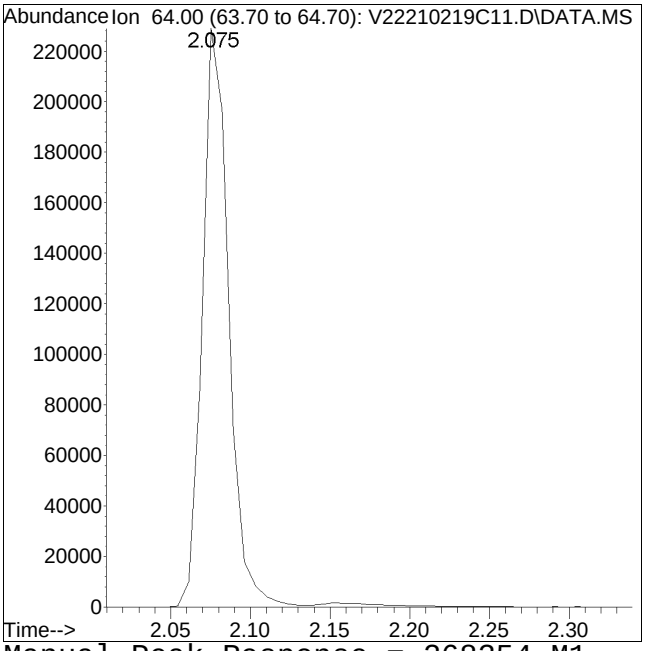


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210219C11.D Operator : VOA122:MKS
Date Inj'd : 2/19/2021 4:49 pm Instrument : VOA122
Sample : I8260STD120PPB Quant Date : 2/19/2021 6:43 pm

Compound #6: Chloroethane





Original Peak Response = 262772 Manual Peak Response = 268354 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C12.D
Acq On : 19 Feb 2021 05:14 pm
Operator : VOA122:MKS
Sample : I8260STD200PPB
Misc : WG1466645
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 19 18:56:35 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	220517	10.000	ug/L	0.00
Standard Area 1 = 151084			Recovery = 145.96%			
62) Chlorobenzene-d5	9.177	117	170306	10.000	ug/L	0.00
Standard Area 1 = 125239			Recovery = 135.98%			
83) 1,4-Dichlorobenzene-d4	11.963	152	83831	10.000	ug/L	0.00
Standard Area 1 = 65821			Recovery = 127.36%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	61943	8.548	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.48%			
46) 1,2-Dichloroethane-d4	5.386	65	66231	9.044	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.44%			
63) Toluene-d8	7.348	98	224298	10.143	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.43%			
87) 4-Bromofluorobenzene	10.708	95	79645	9.783	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.83%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	626312	160.631	ug/L #	97
3) Chloromethane	1.664	50	1241827	152.217	ug/L	97
4) Vinyl chloride	1.706	62	1186954	166.726	ug/L	97
5) Bromomethane	1.985	94	674036	194.379	ug/L	99
6) Chloroethane	2.075	64	435994M1	91.698	ug/L	
7) Trichlorofluoromethane	2.201	101	1564242	157.259	ug/L	99
8) Ethyl ether	2.514	74	477124	182.409	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	946195	162.352	ug/L #	75
11) Carbon disulfide	2.710	76	2147288	162.535	ug/L	99
12) Freon-113	2.723	101	984002	161.348	ug/L	95
13) Iodomethane	2.814	142	1101025	155.540	ug/L	95
14) Acrolein	2.995	56	135212	178.942	ug/L	97
15) Methylene chloride	3.211	84	978437	156.718	ug/L #	69
17) Acetone	3.260	43	216103M1	153.812	ug/L	
18) trans-1,2-Dichloroethene	3.365	96	995675	159.771	ug/L	83
19) Methyl acetate	3.379	43	579052	189.950	ug/L #	85
21) Methyl tert-butyl ether	3.462	73	2184008	199.374	ug/L #	87
22) tert-Butyl alcohol	3.553	59	316652	1013.499	ug/L	98
24) Diisopropyl ether	3.818	45	3720435	210.444	ug/L	92
25) 1,1-Dichloroethane	3.929	63	2040809	159.413	ug/L	96
26) Halothane	3.985	117	862558	169.483	ug/L	100

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C12.D
Acq On : 19 Feb 2021 05:14 pm
Operator : VOA122:MKS
Sample : I8260STD200PPB
Misc : WG1466645
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 19 18:56:35 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.971	53	312927	172.706	ug/L		96
28) Ethyl tert-butyl ether	4.159	59	3195496	221.370	ug/L		86
29) Vinyl acetate	4.166	43	2411466	237.710	ug/L	#	91
30) cis-1,2-Dichloroethene	4.431	96	1124246	160.464	ug/L	#	82
31) 2,2-Dichloropropane	4.536	77	1349978	193.138	ug/L		88
32) Bromochloromethane	4.620	128	459651	145.805	ug/L	#	71
33) Cyclohexane	4.627	56	2299814	173.236	ug/L		68
34) Chloroform	4.689	83	1788682	159.227	ug/L	#	95
35) Ethyl acetate	4.815	43	832191	194.635	ug/L	#	93
36) Carbon tetrachloride	4.829	117	1594663	175.777	ug/L		99
37) Tetrahydrofuran	4.843	42	283106	172.721	ug/L	#	83
39) 1,1,1-Trichloroethane	4.891	97	1695324	167.054	ug/L		92
41) 2-Butanone	4.989	43	324282	187.333	ug/L	#	67
42) 1,1-Dichloropropene	5.017	75	963908	182.207	ug/L		99
44) Benzene	5.254	78	3978957	181.436	ug/L	#	91
45) tert-Amyl methyl ether	5.372	73	2368771	231.589	ug/L		93
47) 1,2-Dichloroethane	5.453	62	1292334	166.514	ug/L		99
50) Methyl cyclohexane	5.837	83	1965736	204.842	ug/L	#	68
51) Trichloroethene	5.837	95	1130138	189.974	ug/L		98
53) Dibromomethane	6.272	93	601756	180.874	ug/L	#	82
54) 1,2-Dichloropropane	6.376	63	1150086	186.602	ug/L		94
56) 2-Chloroethyl vinyl ether	7.075	63	393617	193.057	ug/L		87
57) Bromodichloromethane	6.449	83	1392785	184.111	ug/L		100
59) Methyl methacrylate	6.626	69	235059	132.921	ug/L	#	17
60) 1,4-Dioxane	6.663	88	64284	1860.406	ug/L	#	55
61) cis-1,3-Dichloropropene	7.134	75	1672633	212.167	ug/L	#	89
64) Toluene	7.400	92	2586019	194.414	ug/L		96
65) 4-Methyl-2-pentanone	7.842	58	287849	259.440	ug/L	#	85
66) Tetrachloroethene	7.842	166	1342196	210.470	ug/L		96
68) trans-1,3-Dichloropropene	7.878	75	1446894	236.800	ug/L		89
70) Ethyl methacrylate	8.085	69	963576	248.315	ug/L		99
71) 1,1,2-Trichloroethane	8.063	83	671305	219.796	ug/L		98
72) Chlorodibromomethane	8.265	129	1148788	220.768	ug/L		99
73) 1,3-Dichloropropane	8.384	76	1343292	217.890	ug/L		99
74) 1,2-Dibromoethane	8.543	107	798476	222.661	ug/L		100
76) 2-Hexanone	8.844	43	458886	218.374	ug/L		94
77) Chlorobenzene	9.193	112	2916186	189.999	ug/L		89
78) Ethylbenzene	9.241	91	4847685	185.089	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.280	131	1091035	223.326	ug/L		98
80) p/m Xylene	9.431	106	3796869	348.815	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C12.D
Acq On : 19 Feb 2021 05:14 pm
Operator : VOA122:MKS
Sample : I8260STD200PPB
Misc : WG1466645
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 19 18:56:35 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MM

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
81)	o Xylene	9.978	106	3466876	356.580	ug/L		98
82)	Styrene	10.050	104	5725039	363.010	ug/L		97
84)	Bromoform	10.058	173	623487	237.306	ug/L		99
86)	Isopropylbenzene	10.383	105	4905584	184.690	ug/L		100
88)	Bromobenzene	10.819	156	1129761	188.597	ug/L		99
89)	n-Propylbenzene	10.882	91	5721877	183.224	ug/L		100
90)	1,4-Dichlorobutane	10.890	55	1490400	216.272	ug/L		95
91)	1,1,2,2-Tetrachloroethane	10.970	83	843860	213.442	ug/L		99
92)	4-Ethyltoluene	11.017	105	4589277	186.880	ug/L		99
93)	2-Chlorotoluene	11.049	91	3720925	181.457	ug/L		100
94)	1,3,5-Trimethylbenzene	11.120	105	3951027	192.573	ug/L		100
95)	1,2,3-Trichloropropane	11.112	75	687019	217.351	ug/L		99
96)	trans-1,4-Dichloro-2-b...	11.168	53	286064	223.179	ug/L	#	80
97)	4-Chlorotoluene	11.239	91	3389152	190.096	ug/L		100
98)	tert-Butylbenzene	11.468	119	4141386	199.945	ug/L		97
99)	Pentachloroethane	11.482	167	687093	221.243	ug/L	#	1
101)	1,2,4-Trimethylbenzene	11.552	105	3895413	201.817	ug/L		100
102)	sec-Butylbenzene	11.663	105	4557989	189.645	ug/L		100
103)	p-Isopropyltoluene	11.830	119	4274231	193.071	ug/L		99
104)	1,3-Dichlorobenzene	11.879	146	2253430	186.259	ug/L		98
105)	1,4-Dichlorobenzene	11.977	146	2246039	187.456	ug/L		98
106)	p-Diethylbenzene	12.206	119	2541878	206.400	ug/L		99
107)	n-Butylbenzene	12.269	91	3696615	197.324	ug/L		99
108)	1,2-Dichlorobenzene	12.408	146	2029365	188.372	ug/L		97
109)	1,2,4,5-Tetramethylben...	13.014	119	3493055	213.373	ug/L		100
110)	1,2-Dibromo-3-chloropr...	13.195	155	145702	216.216	ug/L		100
111)	1,3,5-Trichlorobenzene	13.230	180	1365325	194.658	ug/L		97
112)	Hexachlorobutadiene	13.814	225	483543	203.190	ug/L		99
113)	1,2,4-Trichlorobenzene	13.835	180	1259725	200.168	ug/L		98
114)	Naphthalene	14.127	128	2899647	209.401	ug/L		100
115)	1,2,3-Trichlorobenzene	14.295	180	1094651	200.865	ug/L		98

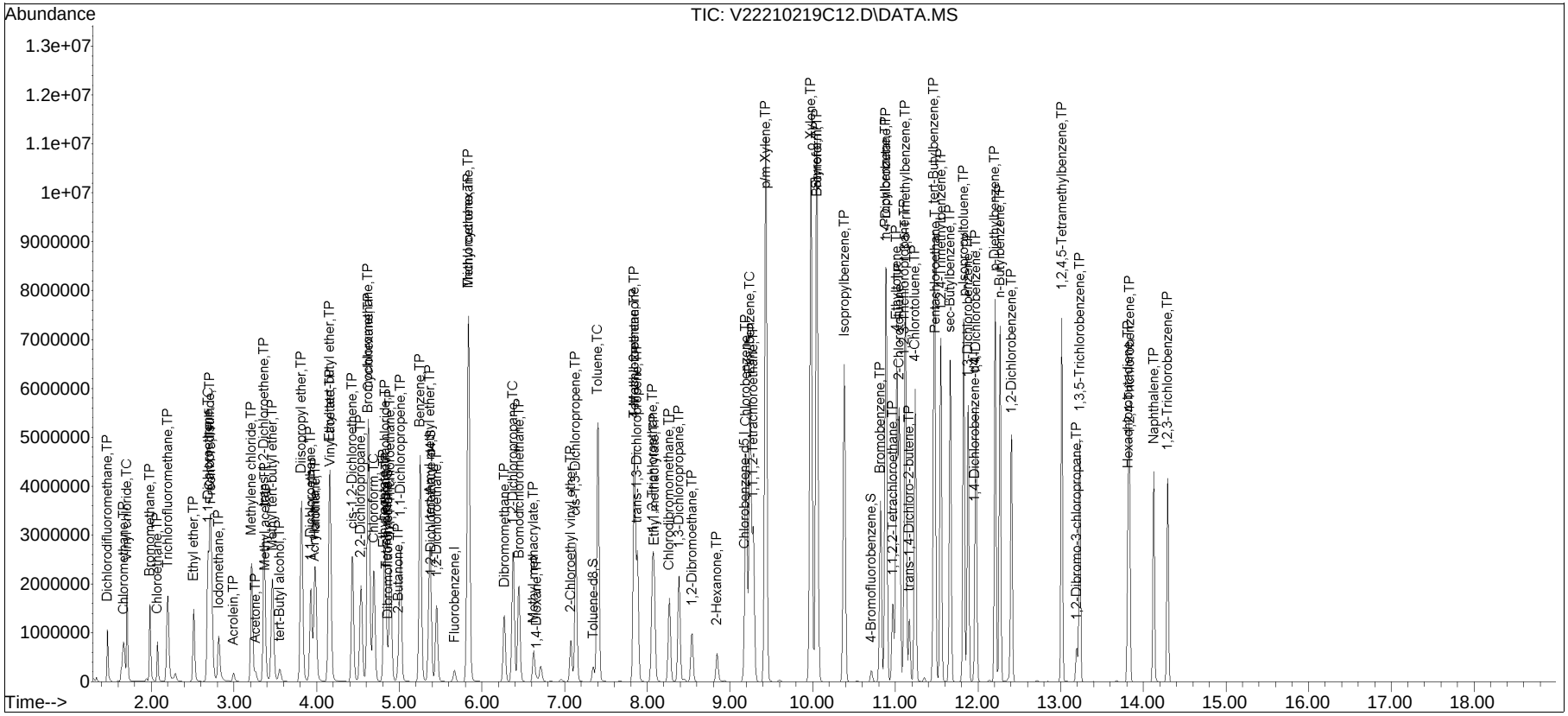
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C12.D
Acq On : 19 Feb 2021 05:14 pm
Operator : VOA122:MKS
Sample : I8260STD200PPB
Misc : WG1466645
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 19 18:56:35 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 18:42:50 2021
Response via : Initial Calibration

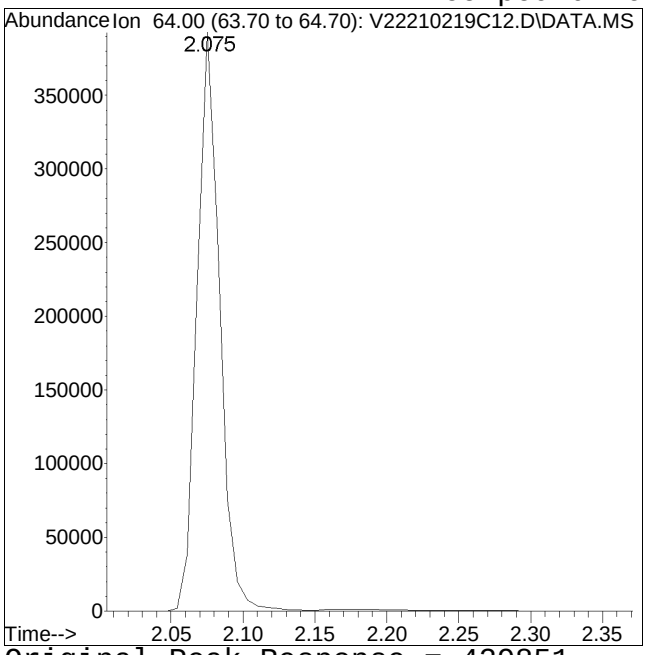
Sub List : 8260-Curve+Penta+MM - CURVE+PENTA+MMCAL\V22210219C08.D•

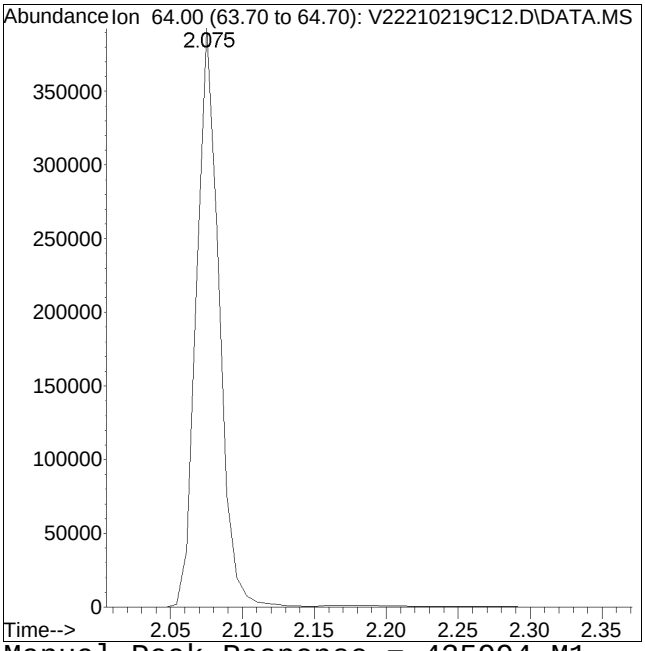


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210219C12.D Operator : VOA122:MKS
Date Inj'd : 2/19/2021 5:14 pm Instrument : VOA122
Sample : I8260STD200PPB Quant Date : 2/19/2021 6:43 pm

Compound #6: Chloroethane



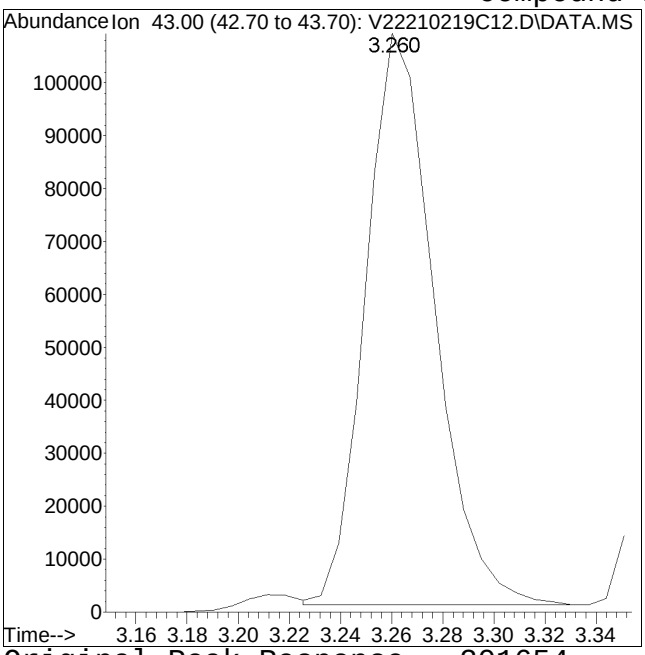


Original Peak Response = 429851 Manual Peak Response = 435994 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

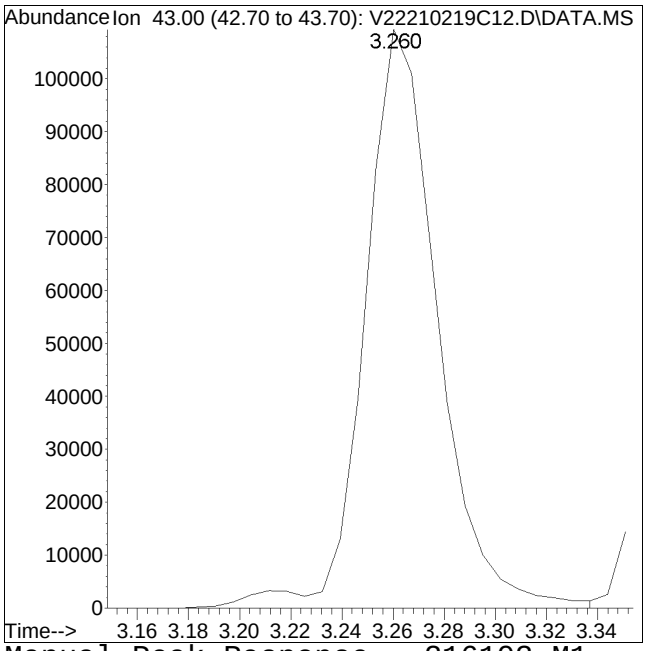
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210219C12.D Operator : VOA122:MKS
Date Inj'd : 2/19/2021 5:14 pm Instrument : VOA122
Sample : I8260STD200PPB Quant Date : 2/19/2021 6:43 pm

Compound #17: Acetone



Original Peak Response = 201654



Manual Peak Response = 216103 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C18.D
Acq On : 19 Feb 2021 07:42 pm
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1466645
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 19 20:10:02 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	120	0.00
2	TP	Dichlorodifluoromethane	0.148	0.238	-60.8#	162	0.00
3	TP	Chloromethane	0.324	0.375	-15.7	122	0.00
4	TC	Vinyl chloride	0.288	0.342	-18.8	127	0.00
5	TP	Bromomethane	0.164	0.177	-7.9	136	0.00
6	TP	Chloroethane	* 10.000	9.431	5.7	112	0.00
7	TP	Trichlorofluoromethane	0.376	0.424	-12.8	113	0.00
8	TP	Ethyl ether	0.111	0.128	-15.3	129	0.00
10	TC	1,1-Dichloroethene	0.231	0.228	1.3	104	0.00
11	TP	Carbon disulfide	0.533	0.685	-28.5#	137	0.00
12	TP	Freon-113	0.234	0.253	-8.1	110	0.00
13	TP	Iodomethane	0.271	0.290	-7.0	109	0.00
14	TP	Acrolein	0.032	0.033#	-3.1	115	0.00
15	TP	Methylene chloride	0.255	0.259	-1.6	110	0.00
17	TP	Acetone	0.056	0.054#	3.6	102	0.00
18	TP	trans-1,2-Dichloroethene	0.245	0.262	-6.9	112	0.00
19	TP	Methyl acetate	0.139	0.118	15.1	103	0.00
21	TP	Methyl tert-butyl ether	0.473	0.478	-1.1	116	0.00
22	TP	tert-Butyl alcohol	0.014	0.015#	-7.1	123	0.00
24	TP	Diisopropyl ether	0.790	0.738	6.6	111	0.00
25	TP	1,1-Dichloroethane	0.506	0.522	-3.2	108	0.00
26	TP	Halothane	0.199	0.206	-3.5	107	0.00
27	TP	Acrylonitrile	0.075	0.074	1.3	109	0.00
28	TP	Ethyl tert-butyl ether	0.649	0.617	4.9	113	0.00
29	TP	Vinyl acetate	0.493	0.381	22.7#	100	0.00
30	TP	cis-1,2-Dichloroethene	0.283	0.289	-2.1	109	0.00
31	TP	2,2-Dichloropropane	0.292	0.265	9.2	101	0.00
32	TP	Bromochloromethane	0.120	0.139	-15.8	116	0.00
33	TP	Cyclohexane	0.511	0.520	-1.8	104	0.00
34	TC	Chloroform	0.454	0.461	-1.5	109	0.00
35	TP	Ethyl acetate	0.189	0.172	9.0	106	0.00
36	TP	Carbon tetrachloride	* 10.000	10.445	-4.5	110	0.00
37	TP	Tetrahydrofuran	0.070	0.070	0.0	113	0.00
38	S	Dibromofluoromethane	0.322	0.329	-2.2	120	0.00
39	TP	1,1,1-Trichloroethane	0.395	0.417	-5.6	109	0.00
41	TP	2-Butanone	0.071	0.068#	4.2	104	0.00
42	TP	1,1-Dichloropropene	0.215	0.221	-2.8	111	0.00
44	TP	Benzene	0.882	0.910	-3.2	110	0.00
45	TP	tert-Amyl methyl ether	0.470	0.439	6.6	114	0.00

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C18.D
Acq On : 19 Feb 2021 07:42 pm
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1466645
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 19 20:10:02 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	S	1,2-Dichloroethane-d4	0.326	0.317	2.8	115	0.00
47	T	1,2-Dichloroethane	0.323	0.317	1.9	108	0.00
50	TP	Methyl cyclohexane	0.395	0.373	5.6	103	0.00
51	TP	Trichloroethene	0.236	0.255	-8.1	114	0.00
53	TP	Dibromomethane	0.139	0.132	5.0	105	0.00
54	TC	1,2-Dichloropropane	0.253	0.256	-1.2	110	0.00
56	TP	2-Chloroethyl vinyl ether	0.080	0.053	33.8#	69	0.00
57	TP	Bromodichloromethane	0.312	0.316	-1.3	111	0.00
60	TP	1,4-Dioxane	0.00156	0.00139#	10.9	107	0.00
61	TP	cis-1,3-Dichloropropene	* 10.000	8.718	12.8	109	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	121	0.00
63	S	Toluene-d8	1.283	1.290	-0.5	120	0.00
64	TC	Toluene	0.725	0.725	0.0	112	0.00
65	TP	4-Methyl-2-pentanone	0.074	0.059#	20.3#	109	0.00
66	TP	Tetrachloroethene	0.353	0.411	-16.4	132	0.00
68	TP	trans-1,3-Dichloropropene	* 10.000	8.579	14.2	105	0.00
70	TP	Ethyl methacrylate	0.254	0.221	13.0	117	0.00
71	TP	1,1,2-Trichloroethane	* 10.000	8.581	14.2	110	0.00
72	TP	Chlorodibromomethane	* 10.000	8.990	10.1	115	0.00
73	TP	1,3-Dichloropropane	0.351	0.340	3.1	113	0.00
74	TP	1,2-Dibromoethane	* 10.000	8.620	13.8	111	0.00
76	TP	2-Hexanone	0.127	0.108	15.0	105	0.00
77	TP	Chlorobenzene	0.847	0.829	2.1	111	0.00
78	TC	Ethylbenzene	1.384	1.404	-1.4	110	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.281	0.264	6.0	111	0.00
80	TP	p/m Xylene	0.555	0.561	-1.1	106	0.00
81	TP	o Xylene	0.504	0.548	-8.7	116	0.00
82	TP	Styrene	0.807	0.866	-7.3	113	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
84	TP	Bromoform	* 10.000	8.858	11.4	108	0.00
86	TP	Isopropylbenzene	2.735	2.718	0.6	105	0.00
87	S	4-Bromofluorobenzene	0.931	0.920	1.2	116	0.00
88	TP	Bromobenzene	0.650	0.631	2.9	108	0.00
89	TP	n-Propylbenzene	3.295	3.148	4.5	103	0.00
90	TP	1,4-Dichlorobutane	0.806	0.765	5.1	114	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.462	0.417	9.7	108	0.00
92	TP	4-Ethyltoluene	2.597	2.794	-7.6	117	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C18.D
Acq On : 19 Feb 2021 07:42 pm
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1466645
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 19 20:10:02 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
93 TP	2-Chlorotoluene	2.163	2.089	3.4	104	0.00
94 TP	1,3,5-Trimethylbenzene	2.188	2.098	4.1	105	0.00
95 TP	1,2,3-Trichloropropane	0.376	0.338	10.1	110	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.157	0.137	12.7	109	0.00
97 TP	4-Chlorotoluene	1.955	1.886	3.5	108	0.00
98 TP	tert-Butylbenzene	2.299	2.127	7.5	105	0.00
99 T	Pentachloroethane	0.370	0.237	35.9#	78	0.00
101 TP	1,2,4-Trimethylbenzene	2.123	2.095	1.3	111	0.00
102 TP	sec-Butylbenzene	2.569	2.814	-9.5	120	0.00
103 TP	p-Isopropyltoluene	2.351	2.401	-2.1	111	0.00
104 TP	1,3-Dichlorobenzene	1.333	1.293	3.0	110	0.00
105 TP	1,4-Dichlorobenzene	1.342	1.276	4.9	109	0.00
106 TP	p-Diethylbenzene	1.428	1.347	5.7	112	0.00
107 TP	n-Butylbenzene	2.013	1.960	2.6	107	0.00
108 TP	1,2-Dichlorobenzene	1.194	1.148	3.9	109	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.856	1.868	-0.6	117	0.00
110 TP	1,2-Dibromo-3-chloropropane *	10.000	8.569	14.3	110	0.00
111 TP	1,3,5-Trichlorobenzene	0.771	0.743	3.6	109	0.00
112 TP	Hexachlorobutadiene	0.260	0.255	1.9	110	0.00
113 TP	1,2,4-Trichlorobenzene	0.700	0.680	2.9	111	0.00
114 TP	Naphthalene	1.600	1.534	4.1	114	0.00
115 TP	1,2,3-Trichlorobenzene	0.619	0.597	3.6	112	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 6 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C18.D
Acq On : 19 Feb 2021 07:42 pm
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1466645
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 19 20:10:02 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	181492	10.000	ug/L	0.00
Standard Area 1 = 151084			Recovery = 120.13%			
62) Chlorobenzene-d5	9.170	117	150941	10.000	ug/L	0.00
Standard Area 1 = 125239			Recovery = 120.52%			
83) 1,4-Dichlorobenzene-d4	11.956	152	80504	10.000	ug/L	0.00
Standard Area 1 = 65821			Recovery = 122.31%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	59736	10.229	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.29%			
46) 1,2-Dichloroethane-d4	5.379	65	57525	9.734	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.34%			
63) Toluene-d8	7.348	98	194662	10.049	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.49%			
87) 4-Bromofluorobenzene	10.708	95	74032	9.875	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.75%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	43259	16.074	ug/L	97
3) Chloromethane	1.664	50	68016	11.552	ug/L	98
4) Vinyl chloride	1.706	62	62125	11.901	ug/L	97
5) Bromomethane	1.985	94	32208	10.841	ug/L	99
6) Chloroethane	2.089	64	36355	9.431	ug/L	97
7) Trichlorofluoromethane	2.222	101	76924	11.259	ug/L	100
8) Ethyl ether	2.515	74	23202	11.561	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	41444	9.902	ug/L #	74
11) Carbon disulfide	2.717	76	124379	12.855	ug/L	99
12) Freon-113	2.731	101	45927	10.836	ug/L	97
13) Iodomethane	2.821	142	52667	10.725	ug/L	96
14) Acrolein	3.003	56	5934	10.326	ug/L	99
15) Methylene chloride	3.219	84	47057	10.170	ug/L #	69
17) Acetone	3.267	43	9785	9.638	ug/L	99
18) trans-1,2-Dichloroethene	3.365	96	47616	10.722	ug/L	84
19) Methyl acetate	3.379	43	21488	8.513	ug/L #	89
21) Methyl tert-butyl ether	3.463	73	86738	10.109	ug/L #	86
22) tert-Butyl alcohol	3.553	59	13213	52.760	ug/L	89
24) Diisopropyl ether	3.818	45	133907	9.338	ug/L	93
25) 1,1-Dichloroethane	3.930	63	94730	10.308	ug/L	95
26) Halothane	3.985	117	37435	10.341	ug/L	99

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C18.D
Acq On : 19 Feb 2021 07:42 pm
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1466645
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 19 20:10:02 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.978	53	13503	9.966	ug/L		97
28) Ethyl tert-butyl ether	4.153	59	111911	9.503	ug/L		94
29) Vinyl acetate	4.167	43	69164	7.730	ug/L	#	88
30) cis-1,2-Dichloroethene	4.432	96	52398	10.200	ug/L	#	82
31) 2,2-Dichloropropane	4.536	77	48129	9.076	ug/L		86
32) Bromochloromethane	4.620	128	25156	11.587	ug/L	#	76
33) Cyclohexane	4.627	56	94349	10.176	ug/L		70
34) Chloroform	4.689	83	83699	10.164	ug/L	#	95
35) Ethyl acetate	4.815	43	31187	9.080	ug/L	#	93
36) Carbon tetrachloride	4.829	117	68131	10.445	ug/L		99
37) Tetrahydrofuran	4.843	42	12699	9.989	ug/L	#	81
39) 1,1,1-Trichloroethane	4.892	97	75765	10.570	ug/L		95
41) 2-Butanone	4.989	43	12361	9.621	ug/L	#	62
42) 1,1-Dichloropropene	5.018	75	40091	10.266	ug/L		99
44) Benzene	5.254	78	165097	10.309	ug/L	#	92
45) tert-Amyl methyl ether	5.372	73	79646	9.333	ug/L	#	90
47) 1,2-Dichloroethane	5.453	62	57597	9.833	ug/L		97
50) Methyl cyclohexane	5.830	83	67687	9.442	ug/L	#	69
51) Trichloroethene	5.837	95	46268	10.815	ug/L		98
53) Dibromomethane	6.273	93	24034	9.533	ug/L		86
54) 1,2-Dichloropropane	6.376	63	46416	10.118	ug/L		95
56) 2-Chloroethyl vinyl ether	7.076	63	9702	6.687	ug/L	#	86
57) Bromodichloromethane	6.442	83	57385	10.126	ug/L		99
60) 1,4-Dioxane	6.656	88	12629	445.205	ug/L	#	64
61) cis-1,3-Dichloropropene	7.135	75	58655	8.718	ug/L	#	88
64) Toluene	7.400	92	109442	10.000	ug/L		97
65) 4-Methyl-2-pentanone	7.842	58	8914	8.028	ug/L	#	79
66) Tetrachloroethene	7.842	166	62002	11.628	ug/L		97
68) trans-1,3-Dichloropropene	7.879	75	47089	8.579	ug/L		89
70) Ethyl methacrylate	8.085	69	33293	8.694	ug/L		97
71) 1,1,2-Trichloroethane	8.063	83	24663	8.581	ug/L		96
72) Chlorodibromomethane	8.266	129	43901	8.990	ug/L		98
73) 1,3-Dichloropropane	8.385	76	51372	9.698	ug/L		100
74) 1,2-Dibromoethane	8.543	107	29370	8.620	ug/L		99
76) 2-Hexanone	8.845	43	16286	8.490	ug/L		91
77) Chlorobenzene	9.193	112	125056	9.782	ug/L		89
78) Ethylbenzene	9.241	91	211909	10.146	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.281	131	39909	9.407	ug/L		97
80) p/m Xylene	9.431	106	169379	20.222	ug/L		100
81) o Xylene	9.971	106	165282	21.720	ug/L		100

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C18.D
Acq On : 19 Feb 2021 07:42 pm
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1466645
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 19 20:10:02 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-CurvePenta - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.042	104	261421	21.471	ug/L		99
84) Bromoform	10.058	173	22315	8.858	ug/L		98
86) Isopropylbenzene	10.383	105	218849	9.939	ug/L		99
88) Bromobenzene	10.819	156	50798	9.701	ug/L		99
89) n-Propylbenzene	10.883	91	253405	9.552	ug/L		99
90) 1,4-Dichlorobutane	10.890	55	61624	9.492	ug/L		95
91) 1,1,2,2-Tetrachloroethane	10.962	83	33541	9.020	ug/L		98
92) 4-Ethyltoluene	11.017	105	224901	10.759	ug/L		100
93) 2-Chlorotoluene	11.049	91	168176	9.658	ug/L		98
94) 1,3,5-Trimethylbenzene	11.120	105	168874	9.586	ug/L		100
95) 1,2,3-Trichloropropane	11.105	75	27182	8.990	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.168	53	11008	8.706	ug/L	#	71
97) 4-Chlorotoluene	11.239	91	151810	9.645	ug/L		100
98) tert-Butylbenzene	11.469	119	171257	9.253	ug/L		94
99) Pentachloroethane	11.476	167	19103	6.421	ug/L	#	1
101) 1,2,4-Trimethylbenzene	11.545	105	168640	9.868	ug/L		99
102) sec-Butylbenzene	11.664	105	226529	10.954	ug/L		99
103) p-Isopropyltoluene	11.824	119	193310	10.214	ug/L		99
104) 1,3-Dichlorobenzene	11.879	146	104131	9.702	ug/L		98
105) 1,4-Dichlorobenzene	11.970	146	102706	9.503	ug/L		99
106) p-Diethylbenzene	12.206	119	108439	9.431	ug/L		99
107) n-Butylbenzene	12.262	91	157756	9.735	ug/L		99
108) 1,2-Dichlorobenzene	12.401	146	92452	9.616	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.014	119	150383	10.067	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.195	155	5834	8.569	ug/L		96
111) 1,3,5-Trichlorobenzene	13.230	180	59805	9.630	ug/L		96
112) Hexachlorobutadiene	13.814	225	20526	9.806	ug/L		99
113) 1,2,4-Trichlorobenzene	13.828	180	54770	9.720	ug/L		98
114) Naphthalene	14.128	128	123469	9.589	ug/L		100
115) 1,2,3-Trichlorobenzene	14.295	180	48091	9.651	ug/L		97

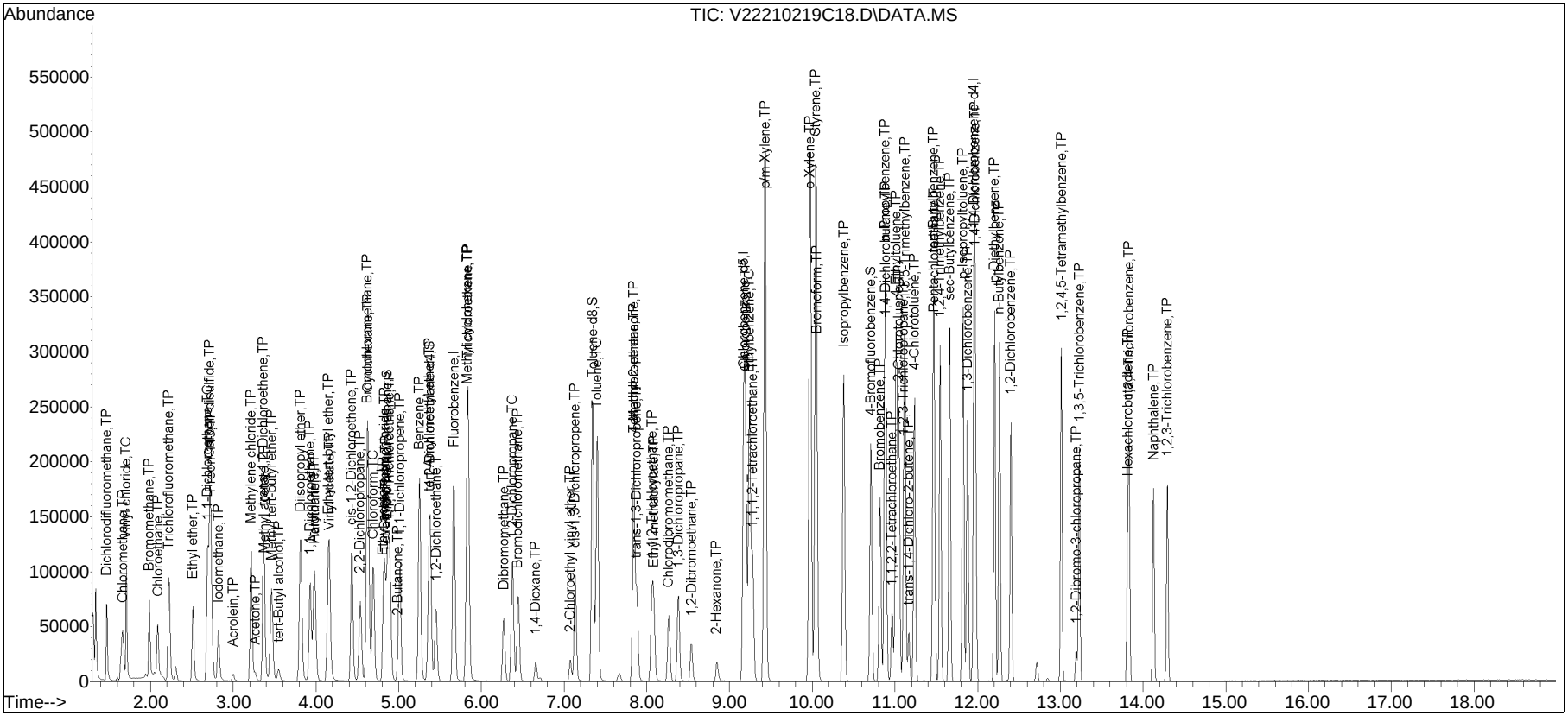
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C18.D
Acq On : 19 Feb 2021 07:42 pm
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1466645
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 19 20:10:02 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-CurvePenta - All compounds listedL\V22210219C08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2Q	Method	: V122_210219C_8260.m
Data File	: V22210219C18.D	Operator	: VOA122:MKS
Date Inj'd	: 2/19/2021 7:42 pm	Instrument	: VOA122
Sample	: C8260STD10PPB	Quant Date	: 2/19/2021 8:09 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C19.D
Acq On : 19 Feb 2021 08:07 pm
Operator : VOA122:MKS
Sample : CMMSTD40PPB
Misc : WG1466645
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 20 08:27:27 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	83	0.00
38	S	Dibromofluoromethane	0.322	0.346	-7.5	101	0.00
46	S	1,2-Dichloroethane-d4	0.326	0.339	-4.0	94	0.00
59	TP	Methyl methacrylate	* 40.000	33.031	17.4	68	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
63	S	Toluene-d8	1.283	1.283	0.0	88	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
87	S	4-Bromofluorobenzene	0.931	0.920	1.2	99	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C19.D
Acq On : 19 Feb 2021 08:07 pm
Operator : VOA122:MKS
Sample : CMMSTD40PPB
Misc : WG1466645
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 20 08:27:27 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210219ICAL\V22210219C08.D
Sub List : 8260-MM -

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	167137	10.000	ug/L	0.00
Standard Area 1 = 151084			Recovery = 110.63%			
62) Chlorobenzene-d5	9.169	117	138922	10.000	ug/L	0.00
Standard Area 1 = 125239			Recovery = 110.93%			
83) 1,4-Dichlorobenzene-d4	11.956	152	77957	10.000	ug/L	0.00
Standard Area 1 = 65821			Recovery = 118.44%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	57778	10.743	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.43%			
46) 1,2-Dichloroethane-d4	5.379	65	56592	10.398	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.98%			
63) Toluene-d8	7.341	98	178302	10.001	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.01%			
87) 4-Bromofluorobenzene	10.708	95	71745	9.882	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.82%			
Target Compounds						Qvalue
59) Methyl methacrylate	6.626	69	57790	33.031	ug/L #	18

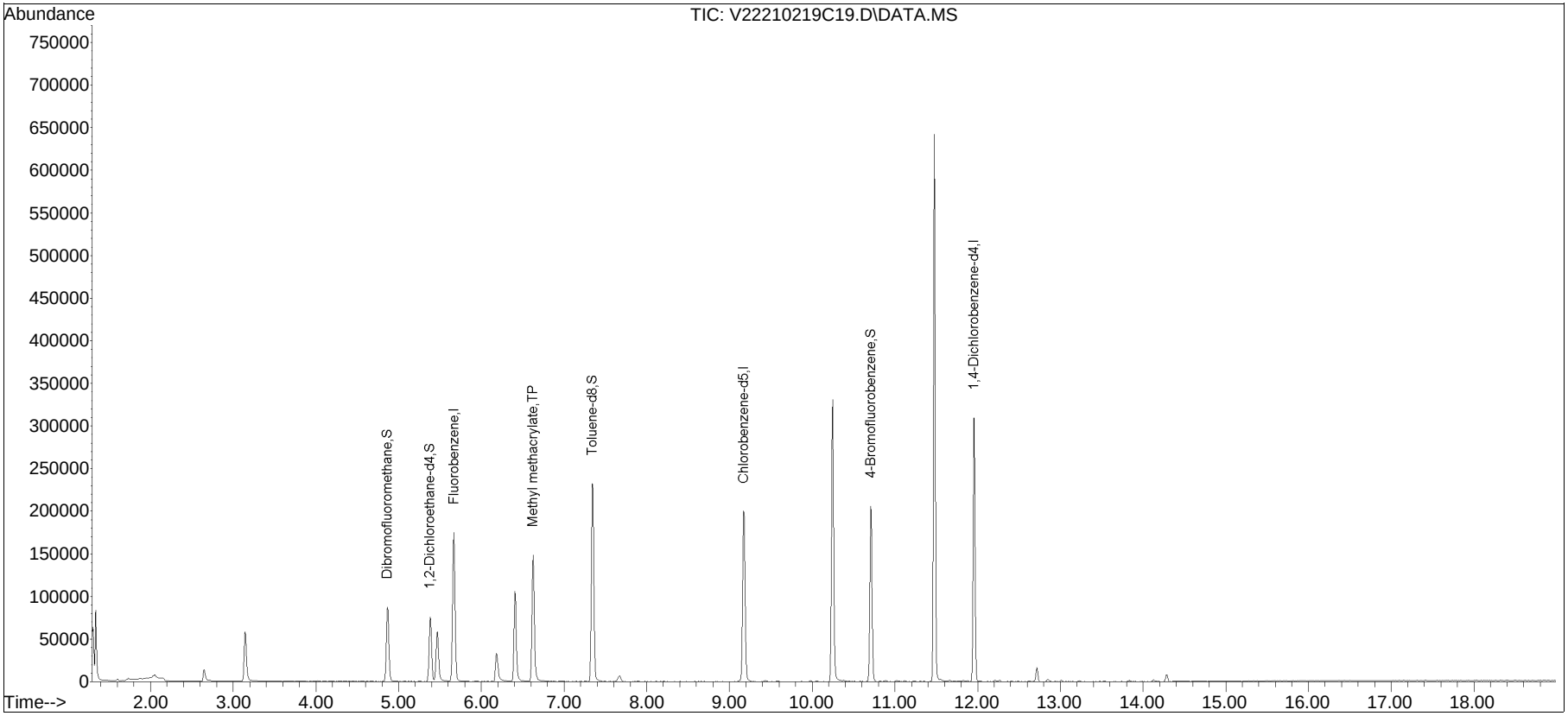
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210219ICAL\
Data File : V22210219C19.D
Acq On : 19 Feb 2021 08:07 pm
Operator : VOA122:MKS
Sample : CMMSTD40PPB
Misc : WG1466645
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 20 08:27:27 2021
Quant Method : I:\VOLATILES\VOA122\2021\210219ICAL\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-MM - TILES\VOA122\2021\210219ICAL\V22210219C08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210219C_8260.m
Data File	: V22210219C19.D	Operator	: VOA122:MKS
Date Inj'd	: 2/19/2021 8:07 pm	Instrument	: VOA122
Sample	: CMMSTD40PPB	Quant Date	: 2/20/2021 8:27 am

There are no manual integrations or false positives in this file.

Correlation Data Summary

Method Path: I:\VOLATILES\VOA122\2021\210219ICAL\
Method File: V122_210219C_8260.m
Method Title: VOLATILES BY GC/MS
Last Update: Fri Feb 19 20:07:36 2021
CSV generated: Mon Feb 22 12:37:52 2021

Analyte	Curve fit Type	Coefficient of Determination	Quadratic Term	Linear Term	Constant Term
Chloroethane	Quadratic	0.999904	-0.012932	0.22568	-0.00102
Carbon tetrachloride	Linear	0.999471	0	0.362629	-0.00337
Methyl methacrylate	Linear	0.998241	0	0.106706	-0.006694
cis-1,3-Dichloropropene	Quadratic	0.999647	0.000252	0.377012	-0.005688
trans-1,3-Dichloropropene	Quadratic	0.999404	0.006577	0.365369	-0.006326
1,1,2-Trichloroethane	Linear	0.999162	0	0.198238	-0.006705
Chlorodibromomethane	Linear	0.999119	0	0.338412	-0.013368
1,2-Dibromoethane	Linear	0.998839	0	0.236702	-0.009459
Bromoform	Quadratic	0.999308	0.005562	0.317007	-0.007984
1,2-Dibromo-3-chloropropane	Linear	0.999572	0	0.087578	-0.002576

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103		
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006		
Instrument ID	: VOA122	**Calibration Date**	: 03/11/21 07:16		
Lab File ID	: V22210311A01	**Init. Calib. Date(s)**	: 02/19/21	02/19/21	
Sample No	: WG1473232-2	**Init. Calib. Times**	: 13:31	17:14	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	176	0
Dichlorodifluoromethane	0.148	0.154	-	-4.1	20	153	0
Chloromethane	0.324	0.29	-	10.5	20	138	0
Vinyl chloride	0.288	0.277	-	3.8	20	150	0
Bromomethane	0.164	0.087*	-	47*	20	97	0
Chloroethane	10	7.804	-	22*	20	136	0
Trichlorofluoromethane	0.376	0.373	-	0.8	20	145	0
Ethyl ether	0.111	0.103	-	7.2	20	153	0
1,1-Dichloroethene	0.231	0.233	-	-0.9	20	155	0
Carbon disulfide	0.533	0.642	-	-20.5*	20	188	0
Freon-113	0.234	0.247	-	-5.6	20	157	0
Acrolein	0.032	0.028*	-	12.5	20	144	-.01
Methylene chloride	0.255	0.24	-	5.9	20	149	0
Acetone	0.056	0.051*	-	8.9	20	141	0
trans-1,2-Dichloroethene	0.245	0.244	-	0.4	20	151	0
Methyl acetate	0.139	0.12	-	13.7	20	152	0
Methyl tert-butyl ether	0.473	0.403	-	14.8	20	143	0
tert-Butyl alcohol	0.014	0.012*	-	14.3	20	153	0
Diisopropyl ether	0.79	0.581	-	26.5*	20	127	0
1,1-Dichloroethane	0.506	0.477	-	5.7	20	144	0
Halothane	0.199	0.2	-	-0.5	20	152	0
Acrylonitrile	0.075	0.07	-	6.7	20	149	0
Ethyl tert-butyl ether	0.649	0.492	-	24.2*	20	132	0
Vinyl acetate	0.493	0.37	-	24.9*	20	141	0
cis-1,2-Dichloroethene	0.283	0.273	-	3.5	20	151	0
2,2-Dichloropropane	0.292	0.335	-	-14.7	20	186	0
Bromochloromethane	0.12	0.123	-	-2.5	20	152	0
Cyclohexane	0.511	0.498	-	2.5	20	145	0
Chloroform	0.454	0.427	-	5.9	20	147	0
Ethyl acetate	0.189	0.146	-	22.8*	20	132	0
Carbon tetrachloride	10	9.353	-	6.5	20	143	0
Tetrahydrofuran	0.07	0.058	-	17.1	20	137	0
Dibromofluoromethane	0.322	0.295	-	8.4	20	158	0
1,1,1-Trichloroethane	0.395	0.381	-	3.5	20	145	0
2-Butanone	0.071	0.062*	-	12.7	20	138	0
1,1-Dichloropropene	0.215	0.192	-	10.7	20	140	0
Benzene	0.882	0.844	-	4.3	20	149	0
tert-Amyl methyl ether	0.47	0.338	-	28.1*	20	128	0
1,2-Dichloroethane-d4	0.326	0.285	-	12.6	20	151	0
1,2-Dichloroethane	0.323	0.275	-	14.9	20	137	0
Methyl cyclohexane	0.395	0.35	-	11.4	20	141	0
Trichloroethene	0.236	0.226	-	4.2	20	147	0
Dibromomethane	0.139	0.124	-	10.8	20	145	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103		
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006		
Instrument ID	: VOA122	**Calibration Date**	: 03/11/21 07:16		
Lab File ID	: V22210311A01	**Init. Calib. Date(s)**	: 02/19/21	02/19/21	
Sample No	: WG1473232-2	**Init. Calib. Times**	: 13:31	17:14	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.253	0.226	-	10.7	20	142	0
Bromodichloromethane	0.312	0.284	-	9	20	146	0
1,4-Dioxane	0.00156	0.00153*	-	1.9	20	172	0
cis-1,3-Dichloropropene	10	7.885	-	21.2*	20	143	0
Chlorobenzene-d5	1	1	-	0	20	156	0
Toluene-d8	1.283	1.196	-	6.8	20	144	0
Toluene	0.725	0.68	-	6.2	20	136	0
4-Methyl-2-pentanone	0.074	0.049*	-	33.8*	20	118	0
Tetrachloroethene	0.353	0.328	-	7.1	20	137	0
trans-1,3-Dichloropropene	10	8.981	-	10.2	20	142	0
Ethyl methacrylate	0.254	0.186	-	26.8*	20	127	0
1,1,2-Trichloroethane	10	8.626	-	13.7	20	143	0
Chlorodibromomethane	10	8.626	-	13.7	20	142	0
1,3-Dichloropropane	0.351	0.334	-	4.8	20	144	0
1,2-Dibromoethane	10	8.522	-	14.8	20	143	0
2-Hexanone	0.127	0.077*	-	39.4*	20	97	0
Chlorobenzene	0.847	0.784	-	7.4	20	136	0
Ethylbenzene	1.384	1.324	-	4.3	20	134	0
1,1,1,2-Tetrachloroethane	0.281	0.244	-	13.2	20	133	0
p/m Xylene	0.555	0.567	-	-2.2	20	138	0
o Xylene	0.504	0.53	-	-5.2	20	145	0
Styrene	0.807	0.863	-	-6.9	20	145	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	171	0
Bromoform	10	8.211	-	17.9	20	140	0
Isopropylbenzene	2.735	2.513	-	8.1	20	136	0
4-Bromofluorobenzene	0.931	0.79	-	15.1	20	139	0
Bromobenzene	0.65	0.576	-	11.4	20	138	0
n-Propylbenzene	3.295	3.188	-	3.2	20	147	0
1,4-Dichlorobutane	0.806	0.599	-	25.7*	20	125	0
1,1,2,2-Tetrachloroethane	0.462	0.362	-	21.6*	20	131	0
4-Ethyltoluene	2.597	2.511	-	3.3	20	147	0
2-Chlorotoluene	2.163	2.021	-	6.6	20	142	0
1,3,5-Trimethylbenzene	2.188	1.955	-	10.6	20	137	0
1,2,3-Trichloropropane	0.376	0.285	-	24.2*	20	129	0
trans-1,4-Dichloro-2-buten	0.157	0.119	-	24.2*	20	134	0
4-Chlorotoluene	1.955	1.841	-	5.8	20	148	0
tert-Butylbenzene	2.299	1.951	-	15.1	20	135	0
1,2,4-Trimethylbenzene	2.123	1.884	-	11.3	20	140	0
sec-Butylbenzene	2.569	2.557	-	0.5	20	153	0
p-Isopropyltoluene	2.351	2.263	-	3.7	20	147	0
1,3-Dichlorobenzene	1.333	1.269	-	4.8	20	151	0
1,4-Dichlorobenzene	1.342	1.258	-	6.3	20	151	0
p-Diethylbenzene	1.428	1.235	-	13.5	20	144	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103		
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006		
Instrument ID	: VOA122	**Calibration Date**	: 03/11/21 07:16		
Lab File ID	: V22210311A01	**Init. Calib. Date(s)**	: 02/19/21	02/19/21	
Sample No	: WG1473232-2	**Init. Calib. Times**	: 13:31	17:14	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.013	1.943	-	3.5	20	149	0
1,2-Dichlorobenzene	1.194	1.132	-	5.2	20	151	0
1,2,4,5-Tetramethylbenzene	1.856	1.694	-	8.7	20	149	0
1,2-Dibromo-3-chloropropan	10	8.274	-	17.3	20	149	0
1,3,5-Trichlorobenzene	0.771	0.747	-	3.1	20	153	0
Hexachlorobutadiene	0.26	0.287	-	-10.4	20	173	0
1,2,4-Trichlorobenzene	0.7	0.678	-	3.1	20	155	0
Naphthalene	1.6	1.542	-	3.6	20	160	0
1,2,3-Trichlorobenzene	0.619	0.625	-	-1	20	165	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A01.D
Acq On : 11 Mar 2021 07:16 am
Operator : VOA122:PD
Sample : WG1473232-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 07:46:17 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	176	0.00
2	TP	Dichlorodifluoromethane	0.148	0.154	-4.1	153	0.00
3	TP	Chloromethane	0.324	0.290	10.5	138	0.00
4	TC	Vinyl chloride	0.288	0.277	3.8	150	0.00
5	TP	Bromomethane	0.164	0.087#	47.0#	97	0.00
6	TP	Chloroethane	* 10.000	7.804	22.0#	136	0.00
7	TP	Trichlorofluoromethane	0.376	0.373	0.8	145	0.00
8	TP	Ethyl ether	0.111	0.103	7.2	153	0.00
10	TC	1,1-Dichloroethene	0.231	0.233	-0.9	155	0.00
11	TP	Carbon disulfide	0.533	0.642	-20.5#	188	0.00
12	TP	Freon-113	0.234	0.247	-5.6	157	0.00
14	TP	Acrolein	0.032	0.028#	12.5	144	-0.01
15	TP	Methylene chloride	0.255	0.240	5.9	149	0.00
17	TP	Acetone	0.056	0.051#	8.9	141	0.00
18	TP	trans-1,2-Dichloroethene	0.245	0.244	0.4	151	0.00
19	TP	Methyl acetate	0.139	0.120	13.7	152	0.00
21	TP	Methyl tert-butyl ether	0.473	0.403	14.8	143	0.00
22	TP	tert-Butyl alcohol	0.014	0.012#	14.3	153	0.00
24	TP	Diisopropyl ether	0.790	0.581	26.5#	127	0.00
25	TP	1,1-Dichloroethane	0.506	0.477	5.7	144	0.00
26	TP	Halothane	0.199	0.200	-0.5	152	0.00
27	TP	Acrylonitrile	0.075	0.070	6.7	149	0.00
28	TP	Ethyl tert-butyl ether	0.649	0.492	24.2#	132	0.00
29	TP	Vinyl acetate	0.493	0.370	24.9#	141	0.00
30	TP	cis-1,2-Dichloroethene	0.283	0.273	3.5	151	0.00
31	TP	2,2-Dichloropropane	0.292	0.335	-14.7	186	0.00
32	TP	Bromochloromethane	0.120	0.123	-2.5	152	0.00
33	TP	Cyclohexane	0.511	0.498	2.5	145	0.00
34	TC	Chloroform	0.454	0.427	5.9	147	0.00
35	TP	Ethyl acetate	0.189	0.146	22.8#	132	0.00
36	TP	Carbon tetrachloride	* 10.000	9.353	6.5	143	0.00
37	TP	Tetrahydrofuran	0.070	0.058	17.1	137	0.00
38	S	Dibromofluoromethane	0.322	0.295	8.4	158	0.00
39	TP	1,1,1-Trichloroethane	0.395	0.381	3.5	145	0.00
41	TP	2-Butanone	0.071	0.062#	12.7	138	0.00
42	TP	1,1-Dichloropropene	0.215	0.192	10.7	140	0.00
44	TP	Benzene	0.882	0.844	4.3	149	0.00
45	TP	tert-Amyl methyl ether	0.470	0.338	28.1#	128	0.00
46	S	1,2-Dichloroethane-d4	0.326	0.285	12.6	151	0.00

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A01.D
Acq On : 11 Mar 2021 07:16 am
Operator : VOA122:PD
Sample : WG1473232-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 07:46:17 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	1,2-Dichloroethane	0.323	0.275	14.9	137	0.00
50	TP	Methyl cyclohexane	0.395	0.350	11.4	141	0.00
51	TP	Trichloroethene	0.236	0.226	4.2	147	0.00
53	TP	Dibromomethane	0.139	0.124	10.8	145	0.00
54	TC	1,2-Dichloropropane	0.253	0.226	10.7	142	0.00
57	TP	Bromodichloromethane	0.312	0.284	9.0	146	0.00
60	TP	1,4-Dioxane	0.00156	0.00153#	1.9	172	0.00
61	TP	cis-1,3-Dichloropropene	* 10.000	7.885	21.2#	143	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	156	0.00
63	S	Toluene-d8	1.283	1.196	6.8	144	0.00
64	TC	Toluene	0.725	0.680	6.2	136	0.00
65	TP	4-Methyl-2-pentanone	0.074	0.049#	33.8#	118	0.00
66	TP	Tetrachloroethene	0.353	0.328	7.1	137	0.00
68	TP	trans-1,3-Dichloropropene	* 10.000	8.981	10.2	142	0.00
70	TP	Ethyl methacrylate	0.254	0.186	26.8#	127	0.00
71	TP	1,1,2-Trichloroethane	* 10.000	8.626	13.7	143	0.00
72	TP	Chlorodibromomethane	* 10.000	8.626	13.7	142	0.00
73	TP	1,3-Dichloropropane	0.351	0.334	4.8	144	0.00
74	TP	1,2-Dibromoethane	* 10.000	8.522	14.8	143	0.00
76	TP	2-Hexanone	0.127	0.077#	39.4#	97	0.00
77	TP	Chlorobenzene	0.847	0.784	7.4	136	0.00
78	TC	Ethylbenzene	1.384	1.324	4.3	134	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.281	0.244	13.2	133	0.00
80	TP	p/m Xylene	0.555	0.567	-2.2	138	0.00
81	TP	o Xylene	0.504	0.530	-5.2	145	0.00
82	TP	Styrene	0.807	0.863	-6.9	145	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	171	0.00
84	TP	Bromoform	* 10.000	8.211	17.9	140	0.00
86	TP	Isopropylbenzene	2.735	2.513	8.1	136	0.00
87	S	4-Bromofluorobenzene	0.931	0.790	15.1	139	0.00
88	TP	Bromobenzene	0.650	0.576	11.4	138	0.00
89	TP	n-Propylbenzene	3.295	3.188	3.2	147	0.00
90	TP	1,4-Dichlorobutane	0.806	0.599	25.7#	125	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.462	0.362	21.6#	131	0.00
92	TP	4-Ethyltoluene	2.597	2.511	3.3	147	0.00
93	TP	2-Chlorotoluene	2.163	2.021	6.6	142	0.00
94	TP	1,3,5-Trimethylbenzene	2.188	1.955	10.6	137	0.00

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A01.D
Acq On : 11 Mar 2021 07:16 am
Operator : VOA122:PD
Sample : WG1473232-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 07:46:17 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
95 TP	1,2,3-Trichloropropane	0.376	0.285	24.2#	129	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.157	0.119	24.2#	134	0.00
97 TP	4-Chlorotoluene	1.955	1.841	5.8	148	0.00
98 TP	tert-Butylbenzene	2.299	1.951	15.1	135	0.00
101 TP	1,2,4-Trimethylbenzene	2.123	1.884	11.3	140	0.00
102 TP	sec-Butylbenzene	2.569	2.557	0.5	153	0.00
103 TP	p-Isopropyltoluene	2.351	2.263	3.7	147	0.00
104 TP	1,3-Dichlorobenzene	1.333	1.269	4.8	151	0.00
105 TP	1,4-Dichlorobenzene	1.342	1.258	6.3	151	0.00
106 TP	p-Diethylbenzene	1.428	1.235	13.5	144	0.00
107 TP	n-Butylbenzene	2.013	1.943	3.5	149	0.00
108 TP	1,2-Dichlorobenzene	1.194	1.132	5.2	151	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.856	1.694	8.7	149	0.00
110 TP	1,2-Dibromo-3-chloropropane *	10.000	8.274	17.3	149	0.00
111 TP	1,3,5-Trichlorobenzene	0.771	0.747	3.1	153	0.00
112 TP	Hexachlorobutadiene	0.260	0.287	-10.4	173	0.00
113 TP	1,2,4-Trichlorobenzene	0.700	0.678	3.1	155	0.00
114 TP	Naphthalene	1.600	1.542	3.6	160	0.00
115 TP	1,2,3-Trichlorobenzene	0.619	0.625	-1.0	165	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 8 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A01.D
Acq On : 11 Mar 2021 07:16 am
Operator : VOA122:PD
Sample : WG1473232-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 07:46:17 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.660	96	265339	10.000	ug/L	0.00
62) Chlorobenzene-d5	9.169	117	195460	10.000	ug/L	0.00
83) 1,4-Dichlorobenzene-d4	11.956	152	112718	10.000	ug/L	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	4.863	113	78223	9.162	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.62%			
46) 1,2-Dichloroethane-d4	5.379	65	75621	8.752	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.52%			
63) Toluene-d8	7.341	98	233714	9.317	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.17%			
87) 4-Bromofluorobenzene	10.708	95	89086	8.487	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.87%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	40841	10.380	ug/L	97
3) Chloromethane	1.657	50	76971	8.942	ug/L	98
4) Vinyl chloride	1.706	62	73406	9.618	ug/L	97
5) Bromomethane	1.984	94	23123	5.323	ug/L	98
6) Chloroethane	2.082	64	44372	7.804	ug/L	98
7) Trichlorofluoromethane	2.221	101	99050	9.917	ug/L	99
8) Ethyl ether	2.507	74	27432	9.349	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	61752	10.091	ug/L	81
11) Carbon disulfide	2.716	76	170460	12.050	ug/L	100
12) Freon-113	2.730	101	65518	10.573	ug/L	96
14) Acrolein	2.988	56	7468	8.889	ug/L	99
15) Methylene chloride	3.211	84	63685	9.414	ug/L #	73
17) Acetone	3.253	43	13532	9.117	ug/L	98
18) trans-1,2-Dichloroethene	3.365	96	64669	9.960	ug/L	87
19) Methyl acetate	3.372	43	31846	8.630	ug/L #	86
21) Methyl tert-butyl ether	3.455	73	106984	8.529	ug/L #	88
22) tert-Butyl alcohol	3.539	59	16344	44.639	ug/L #	83
24) Diisopropyl ether	3.811	45	154131	7.352	ug/L	92
25) 1,1-Dichloroethane	3.929	63	126507	9.416	ug/L	97
26) Halothane	3.978	117	52944	10.004	ug/L	99
27) Acrylonitrile	3.971	53	18481	9.330	ug/L	95
28) Ethyl tert-butyl ether	4.145	59	130636	7.587	ug/L	87
29) Vinyl acetate	4.159	43	98274	7.513	ug/L #	91
30) cis-1,2-Dichloroethene	4.431	96	72550	9.660	ug/L #	85
31) 2,2-Dichloropropane	4.536	77	88858	11.462	ug/L	86

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A01.D
Acq On : 11 Mar 2021 07:16 am
Operator : VOA122:PD
Sample : WG1473232-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 07:46:17 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) Bromochloromethane	4.619	128	32746	10.316	ug/L	#	75
33) Cyclohexane	4.626	56	132041	9.741	ug/L		70
34) Chloroform	4.689	83	113296	9.410	ug/L		96
35) Ethyl acetate	4.808	43	38612	7.689	ug/L	#	94
36) Carbon tetrachloride	4.822	117	89096	9.353	ug/L		100
37) Tetrahydrofuran	4.843	42	15409	8.291	ug/L	#	84
39) 1,1,1-Trichloroethane	4.891	97	100975	9.635	ug/L		95
41) 2-Butanone	4.982	43	16402M1	8.733	ug/L		
42) 1,1-Dichloropropene	5.017	75	50842	8.905	ug/L		99
44) Benzene	5.246	78	223963	9.566	ug/L	#	93
45) tert-Amyl methyl ether	5.364	73	89588	7.181	ug/L	#	89
47) 1,2-Dichloroethane	5.446	62	73096	8.536	ug/L		100
50) Methyl cyclohexane	5.829	83	92806	8.855	ug/L	#	71
51) Trichloroethene	5.837	95	59924	9.581	ug/L		98
53) Dibromomethane	6.265	93	33028	8.961	ug/L		88
54) 1,2-Dichloropropane	6.375	63	59866	8.926	ug/L		95
57) Bromodichloromethane	6.442	83	75466	9.108	ug/L		98
60) 1,4-Dioxane	6.655	88	20321	489.996	ug/L	#	61
61) cis-1,3-Dichloropropene	7.134	75	77406	7.885	ug/L	#	91
64) Toluene	7.399	92	132895	9.377	ug/L		99
65) 4-Methyl-2-pentanone	7.841	58	9651	6.712	ug/L	#	89
66) Tetrachloroethene	7.841	166	64095	9.283	ug/L		97
68) trans-1,3-Dichloropropene	7.878	75	63938	8.981	ug/L		93
70) Ethyl methacrylate	8.085	69	36343	7.329	ug/L		86
71) 1,1,2-Trichloroethane	8.055	83	32115	8.626	ug/L		97
72) Chlorodibromomethane	8.265	129	54444	8.626	ug/L		99
73) 1,3-Dichloropropane	8.376	76	65249	9.512	ug/L		99
74) 1,2-Dibromoethane	8.535	107	37581	8.522	ug/L		99
76) 2-Hexanone	8.844	43	15028	6.050	ug/L		92
77) Chlorobenzene	9.193	112	153258	9.258	ug/L		89
78) Ethylbenzene	9.241	91	258693	9.565	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.272	131	47626	8.669	ug/L		97
80) p/m Xylene	9.423	106	221582	20.429	ug/L		100
81) o Xylene	9.970	106	207271	21.034	ug/L		100
82) Styrene	10.042	104	337292	21.393	ug/L		98
84) Bromoform	10.050	173	28861	8.211	ug/L		96
86) Isopropylbenzene	10.375	105	283313	9.189	ug/L		99
88) Bromobenzene	10.819	156	64916	8.854	ug/L		99
89) n-Propylbenzene	10.882	91	359397	9.676	ug/L		99
90) 1,4-Dichlorobutane	10.890	55	67573	7.434	ug/L		94
91) 1,1,2,2-Tetrachloroethane	10.962	83	40764	7.829	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A01.D
Acq On : 11 Mar 2021 07:16 am
Operator : VOA122:PD
Sample : WG1473232-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 07:46:17 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 4-Ethyltoluene	11.009	105	283053	9.671	ug/L		100
93) 2-Chlorotoluene	11.041	91	227848	9.346	ug/L		100
94) 1,3,5-Trimethylbenzene	11.120	105	220357	8.934	ug/L		100
95) 1,2,3-Trichloropropane	11.104	75	32084	7.578	ug/L		100
96) trans-1,4-Dichloro-2-b...	11.168	53	13466	7.607	ug/L	#	73
97) 4-Chlorotoluene	11.239	91	207557	9.418	ug/L		100
98) tert-Butylbenzene	11.461	119	219907	8.486	ug/L		98
101) 1,2,4-Trimethylbenzene	11.545	105	212333	8.874	ug/L		99
102) sec-Butylbenzene	11.663	105	288220	9.954	ug/L		98
103) p-Isopropyltoluene	11.823	119	255092	9.627	ug/L		99
104) 1,3-Dichlorobenzene	11.879	146	143037	9.519	ug/L		99
105) 1,4-Dichlorobenzene	11.970	146	141760	9.368	ug/L		99
106) p-Diethylbenzene	12.206	119	139189	8.646	ug/L		99
107) n-Butylbenzene	12.262	91	219048	9.655	ug/L		98
108) 1,2-Dichlorobenzene	12.401	146	127570	9.477	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.007	119	190979	9.131	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.188	155	7877	8.274	ug/L		97
111) 1,3,5-Trichlorobenzene	13.229	180	84190	9.682	ug/L		97
112) Hexachlorobutadiene	13.814	225	32368	11.044	ug/L		99
113) 1,2,4-Trichlorobenzene	13.828	180	76450	9.690	ug/L		99
114) Naphthalene	14.120	128	173826	9.641	ug/L		100
115) 1,2,3-Trichlorobenzene	14.294	180	70460	10.098	ug/L		98

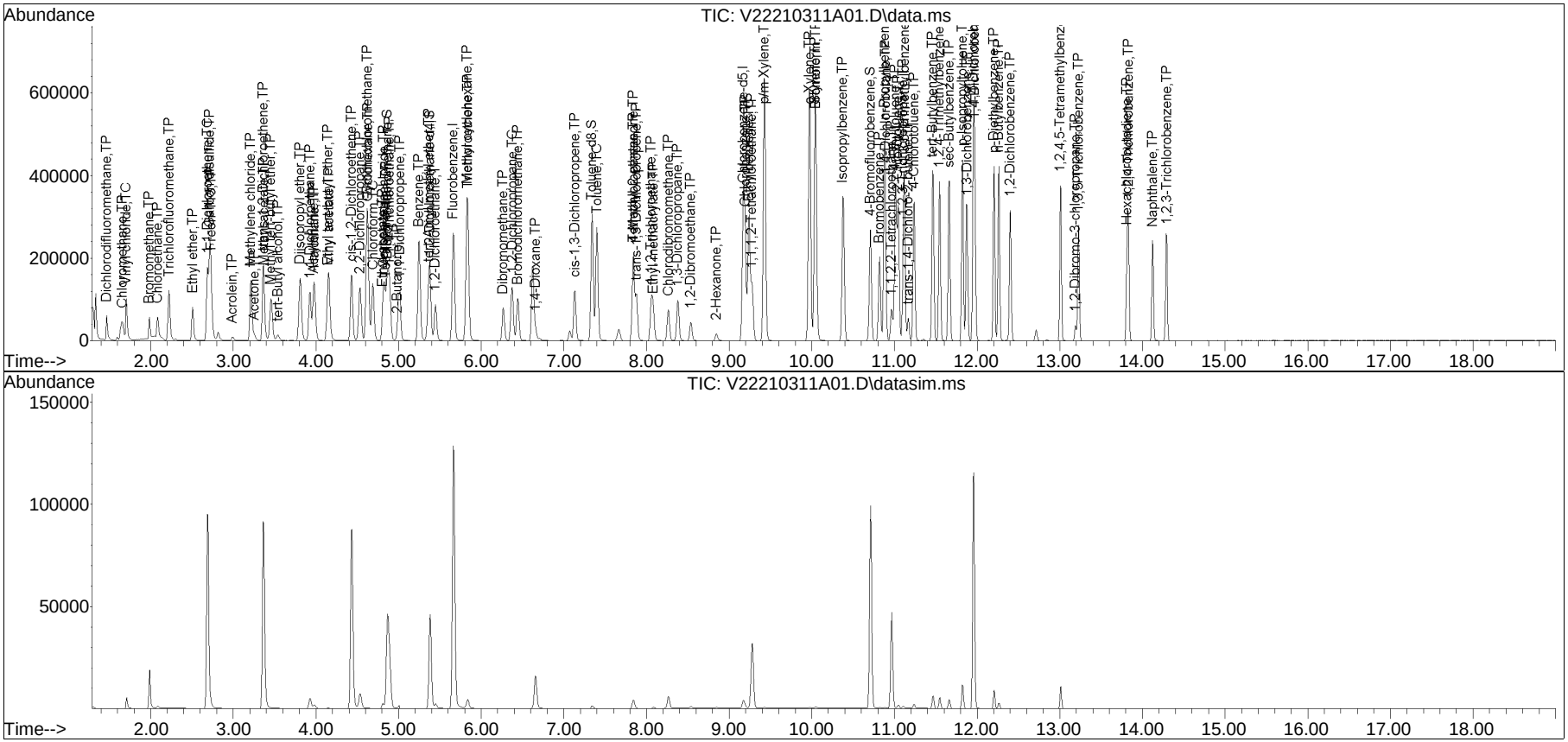
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A01.D
Acq On : 11 Mar 2021 07:16 am
Operator : VOA122:PD
Sample : WG1473232-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 07:46:17 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

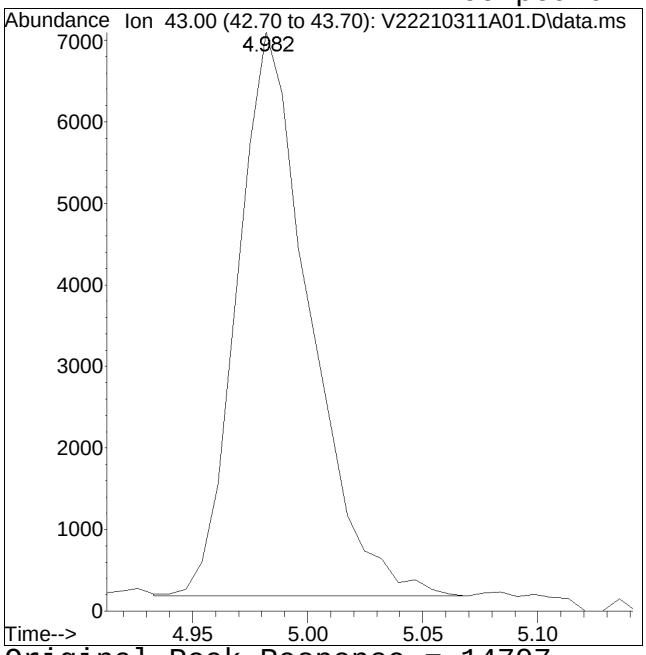
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

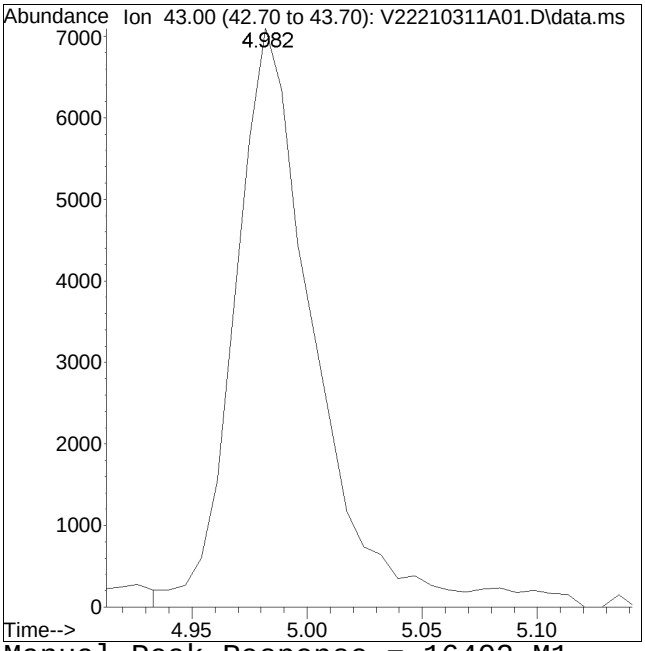


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210311A01.D Operator : VOA122:PD
Date Inj'd : 3/11/2021 7:16 am Instrument : VOA122
Sample : WG1473232-2 Quant Date : 3/11/2021 7:45 am

Compound #41: 2-Butanone



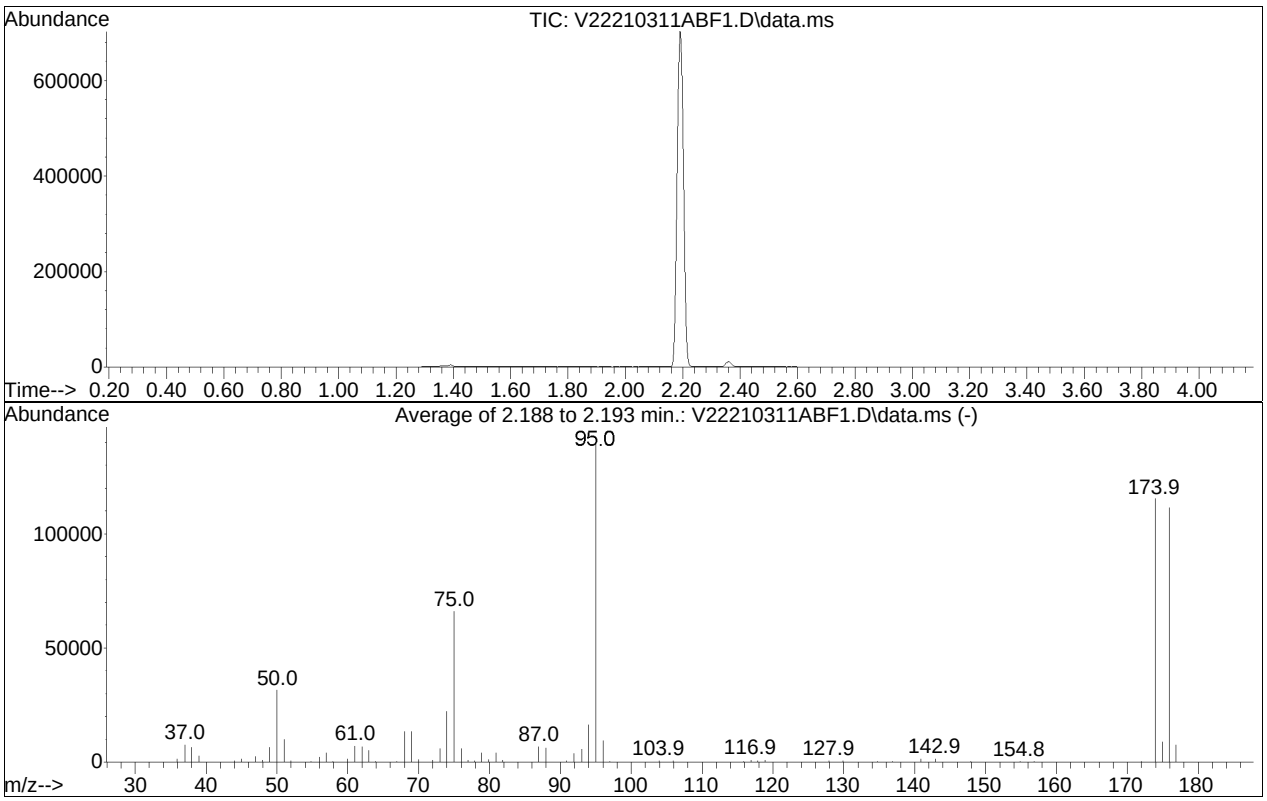


Original Peak Response = 14707 Manual Peak Response = 16402 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311ABF1.D
Acq On : 11 Mar 2021 07:02 am
Operator : VOA122:PD
Sample : WG1473232-1
Misc : WG1473232
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 19 20:07:36 2021



AutoFind: Scans 323, 324, 325; Background Corrected with Scan 310

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.5	31440	PASS
75	95	30	60	47.2	66008	PASS
95	95	100	100	100.0	139947	PASS
96	95	5	9	6.8	9542	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.6	115627	PASS
175	174	5	9	7.6	8838	PASS
176	174	95	101	96.5	111568	PASS
177	176	5	9	6.7	7481	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A05.D
Acq On : 11 Mar 2021 08:55 am
Operator : VOA122:PD
Sample : WG1473232-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 09:18:06 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.667	96	189468	10.000 ug/L	0.00
Standard Area 1 = 265339			Recovery = 71.41%		
62) Chlorobenzene-d5	9.169	117	173429	10.000 ug/L	0.00
Standard Area 1 = 195460			Recovery = 88.73%		
83) 1,4-Dichlorobenzene-d4	11.956	152	97289	10.000 ug/L	0.00
Standard Area 1 = 112718			Recovery = 86.31%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.864	113	74241	12.177 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 121.77%		
46) 1,2-Dichloroethane-d4	5.379	65	65043	10.543 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.43%		
63) Toluene-d8	7.341	98	192979	8.670 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.70%		
87) 4-Bromofluorobenzene	10.708	95	80197	8.852 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.52%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	1.992	94	391	0.126 ug/L #	77
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.717	76	525	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.260	43	66	N.D.	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A05.D
Acq On : 11 Mar 2021 08:55 am
Operator : VOA122:PD
Sample : WG1473232-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 09:18:06 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0		N.D.	
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
42) 1,1-Dichloropropene	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
53) Dibromomethane	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	0.000		0		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
73) 1,3-Dichloropropane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.169	91	236		N.D.	
79) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
88) Bromobenzene	0.000		0		N.D.	
89) n-Propylbenzene	0.000		0		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
92) 4-Ethyltoluene	0.000		0		N.D.	
93) 2-Chlorotoluene	0.000		0		N.D.	
94) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
95) 1,2,3-Trichloropropane	0.000		0		N.D.	
96) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
97) 4-Chlorotoluene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A05.D
Acq On : 11 Mar 2021 08:55 am
Operator : VOA122:PD
Sample : WG1473232-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 09:18:06 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	11.970	146	268		N.D.	
105) 1,4-Dichlorobenzene	11.970	146	268		N.D.	
106) p-Diethylbenzene	0.000		0		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
109) 1,2,4,5-Tetramethylben...	13.007	119	219		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112) Hexachlorobutadiene	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	13.835	180	150		N.D.	
114) Naphthalene	14.128	128	505		N.D.	
115) 1,2,3-Trichlorobenzene	14.295	180	74		N.D.	

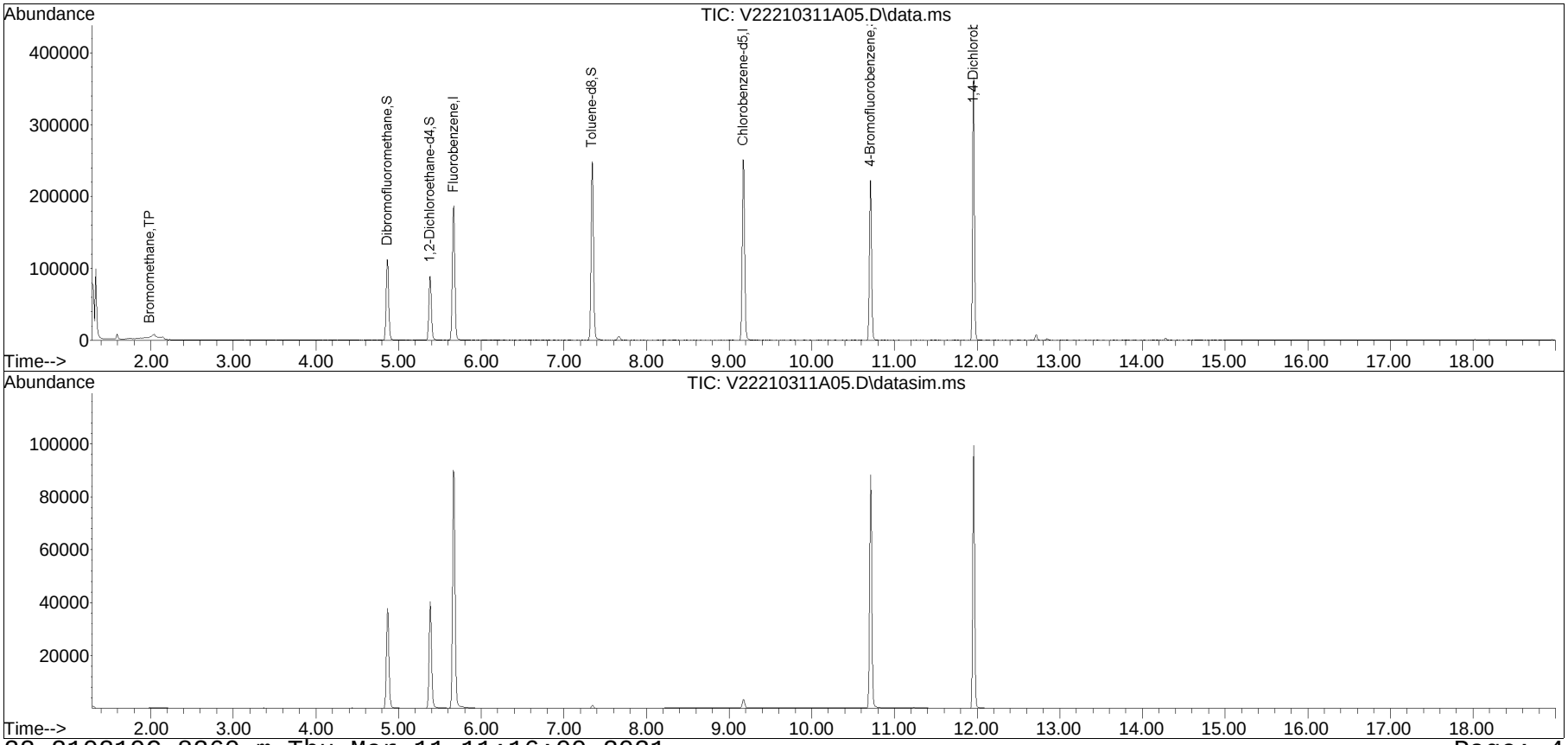
(#) = qualifier out of range (m) = manual integration (+) = signals summed

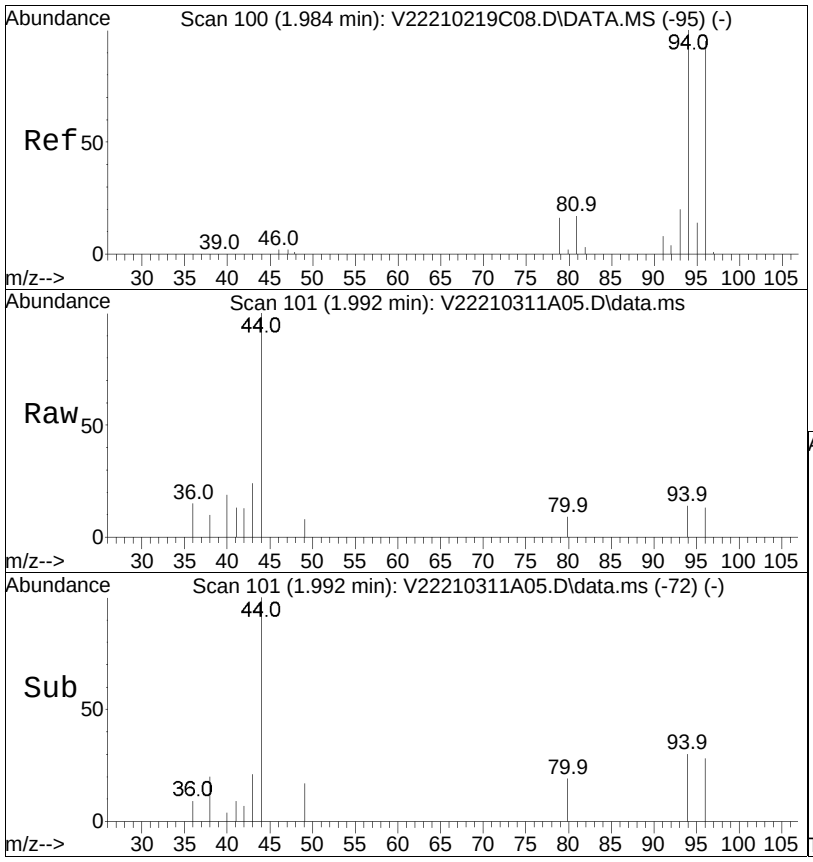
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A05.D
Acq On : 11 Mar 2021 08:55 am
Operator : VOA122:PD
Sample : WG1473232-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 09:18:06 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

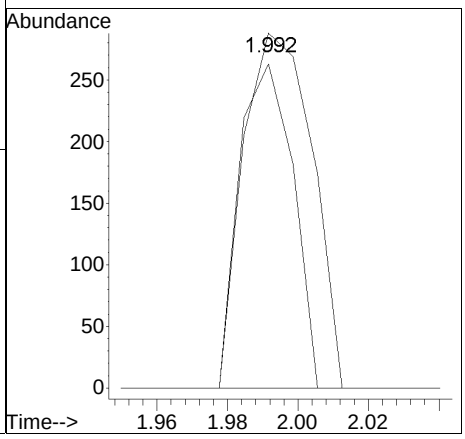




#5
Bromomethane
Concen: 0.13 ug/L
RT: 1.992 min Scan# 101
Delta R.T. -0.000 min
Lab File: V22210311A05.D
Acq: 11 Mar 2021 08:55 am

Tgt Ion: 94 Resp: 391

Ion	Ratio	Lower	Upper
94	100		
96	71.1	72.8	112.8#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210219C_8260.m
Data File	: V22210311A05.D	Operator	: VOA122:PD
Date Inj'd	: 3/11/2021 8:55 am	Instrument	: VOA122
Sample	: WG1473232-5,31,10,10	Quant Date	: 3/11/2021 9:18 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A01.D
Acq On : 11 Mar 2021 07:16 am
Operator : VOA122:PD
Sample : WG1473232-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 07:46:17 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.660	96	265339	10.000	ug/L	0.00
62) Chlorobenzene-d5	9.169	117	195460	10.000	ug/L	0.00
83) 1,4-Dichlorobenzene-d4	11.956	152	112718	10.000	ug/L	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	4.863	113	78223	9.162	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.62%			
46) 1,2-Dichloroethane-d4	5.379	65	75621	8.752	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.52%			
63) Toluene-d8	7.341	98	233714	9.317	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.17%			
87) 4-Bromofluorobenzene	10.708	95	89086	8.487	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.87%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	40841	10.380	ug/L	97
3) Chloromethane	1.657	50	76971	8.942	ug/L	98
4) Vinyl chloride	1.706	62	73406	9.618	ug/L	97
5) Bromomethane	1.984	94	23123	5.323	ug/L	98
6) Chloroethane	2.082	64	44372	7.804	ug/L	98
7) Trichlorofluoromethane	2.221	101	99050	9.917	ug/L	99
8) Ethyl ether	2.507	74	27432	9.349	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	61752	10.091	ug/L	81
11) Carbon disulfide	2.716	76	170460	12.050	ug/L	100
15) Methylene chloride	3.211	84	63685	9.414	ug/L #	73
17) Acetone	3.253	43	13532	9.117	ug/L	98
18) trans-1,2-Dichloroethene	3.365	96	64669	9.960	ug/L	87
21) Methyl tert-butyl ether	3.455	73	106984	8.529	ug/L #	88
25) 1,1-Dichloroethane	3.929	63	126507	9.416	ug/L	97
27) Acrylonitrile	3.971	53	18481	9.330	ug/L	95
29) Vinyl acetate	4.159	43	98274	7.513	ug/L #	91
30) cis-1,2-Dichloroethene	4.431	96	72550	9.660	ug/L #	85
31) 2,2-Dichloropropane	4.536	77	88858	11.462	ug/L	86
32) Bromochloromethane	4.619	128	32746	10.316	ug/L #	75
34) Chloroform	4.689	83	113296	9.410	ug/L	96
36) Carbon tetrachloride	4.822	117	89096	9.353	ug/L	100
39) 1,1,1-Trichloroethane	4.891	97	100975	9.635	ug/L	95
41) 2-Butanone	4.982	43	16402M1	8.733	ug/L	
42) 1,1-Dichloropropene	5.017	75	50842	8.905	ug/L	99

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A01.D
Acq On : 11 Mar 2021 07:16 am
Operator : VOA122:PD
Sample : WG1473232-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 07:46:17 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) Benzene	5.246	78	223963	9.566	ug/L	#	93
47) 1,2-Dichloroethane	5.446	62	73096	8.536	ug/L		100
51) Trichloroethene	5.837	95	59924	9.581	ug/L		98
53) Dibromomethane	6.265	93	33028	8.961	ug/L		88
54) 1,2-Dichloropropane	6.375	63	59866	8.926	ug/L		95
57) Bromodichloromethane	6.442	83	75466	9.108	ug/L		98
60) 1,4-Dioxane	6.655	88	20321	489.996	ug/L	#	61
61) cis-1,3-Dichloropropene	7.134	75	77406	7.885	ug/L	#	91
64) Toluene	7.399	92	132895	9.377	ug/L		99
65) 4-Methyl-2-pentanone	7.841	58	9651	6.712	ug/L	#	89
66) Tetrachloroethene	7.841	166	64095	9.283	ug/L		97
68) trans-1,3-Dichloropropene	7.878	75	63938	8.981	ug/L		93
71) 1,1,2-Trichloroethane	8.055	83	32115	8.626	ug/L		97
72) Chlorodibromomethane	8.265	129	54444	8.626	ug/L		99
73) 1,3-Dichloropropane	8.376	76	65249	9.512	ug/L		99
74) 1,2-Dibromoethane	8.535	107	37581	8.522	ug/L		99
76) 2-Hexanone	8.844	43	15028	6.050	ug/L		92
77) Chlorobenzene	9.193	112	153258	9.258	ug/L		89
78) Ethylbenzene	9.241	91	258693	9.565	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.272	131	47626	8.669	ug/L		97
80) p/m Xylene	9.423	106	221582	20.429	ug/L		100
81) o Xylene	9.970	106	207271	21.034	ug/L		100
82) Styrene	10.042	104	337292	21.393	ug/L		98
84) Bromoform	10.050	173	28861	8.211	ug/L		96
86) Isopropylbenzene	10.375	105	283313	9.189	ug/L		99
88) Bromobenzene	10.819	156	64916	8.854	ug/L		99
89) n-Propylbenzene	10.882	91	359397	9.676	ug/L		99
91) 1,1,2,2-Tetrachloroethane	10.962	83	40764	7.829	ug/L		99
92) 4-Ethyltoluene	11.009	105	283053	9.671	ug/L		100
93) 2-Chlorotoluene	11.041	91	227848	9.346	ug/L		100
94) 1,3,5-Trimethylbenzene	11.120	105	220357	8.934	ug/L		100
95) 1,2,3-Trichloropropane	11.104	75	32084	7.578	ug/L		100
96) trans-1,4-Dichloro-2-b...	11.168	53	13466	7.607	ug/L	#	73
97) 4-Chlorotoluene	11.239	91	207557	9.418	ug/L		100
98) tert-Butylbenzene	11.461	119	219907	8.486	ug/L		98
101) 1,2,4-Trimethylbenzene	11.545	105	212333	8.874	ug/L		99
102) sec-Butylbenzene	11.663	105	288220	9.954	ug/L		98
103) p-Isopropyltoluene	11.823	119	255092	9.627	ug/L		99
104) 1,3-Dichlorobenzene	11.879	146	143037	9.519	ug/L		99
105) 1,4-Dichlorobenzene	11.970	146	141760	9.368	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A01.D
Acq On : 11 Mar 2021 07:16 am
Operator : VOA122:PD
Sample : WG1473232-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 07:46:17 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) p-Diethylbenzene	12.206	119	139189	8.646	ug/L	99
107) n-Butylbenzene	12.262	91	219048	9.655	ug/L	98
108) 1,2-Dichlorobenzene	12.401	146	127570	9.477	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.007	119	190979	9.131	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.188	155	7877	8.274	ug/L	97
112) Hexachlorobutadiene	13.814	225	32368	11.044	ug/L	99
113) 1,2,4-Trichlorobenzene	13.828	180	76450	9.690	ug/L	99
114) Naphthalene	14.120	128	173826	9.641	ug/L	100
115) 1,2,3-Trichlorobenzene	14.294	180	70460	10.098	ug/L	98

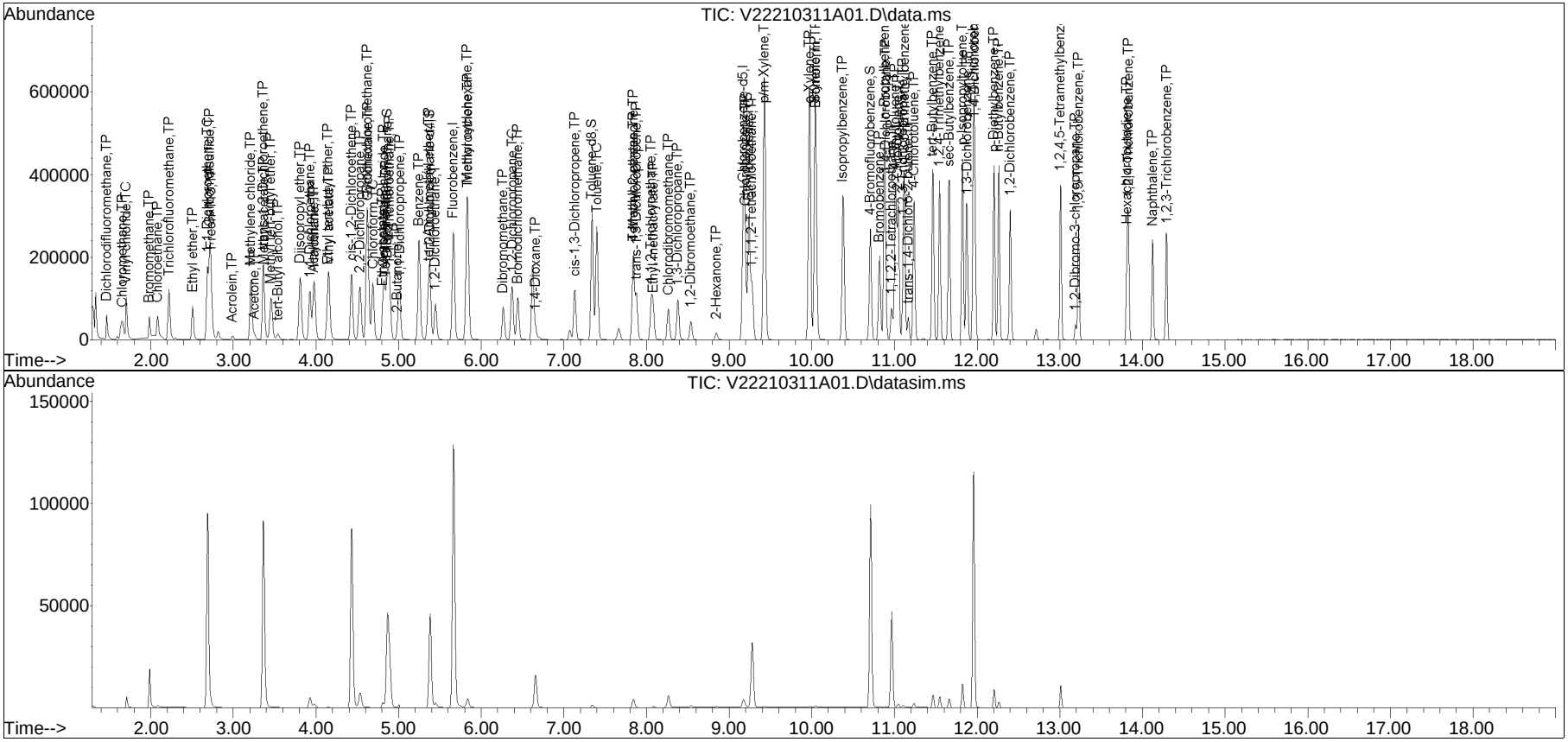
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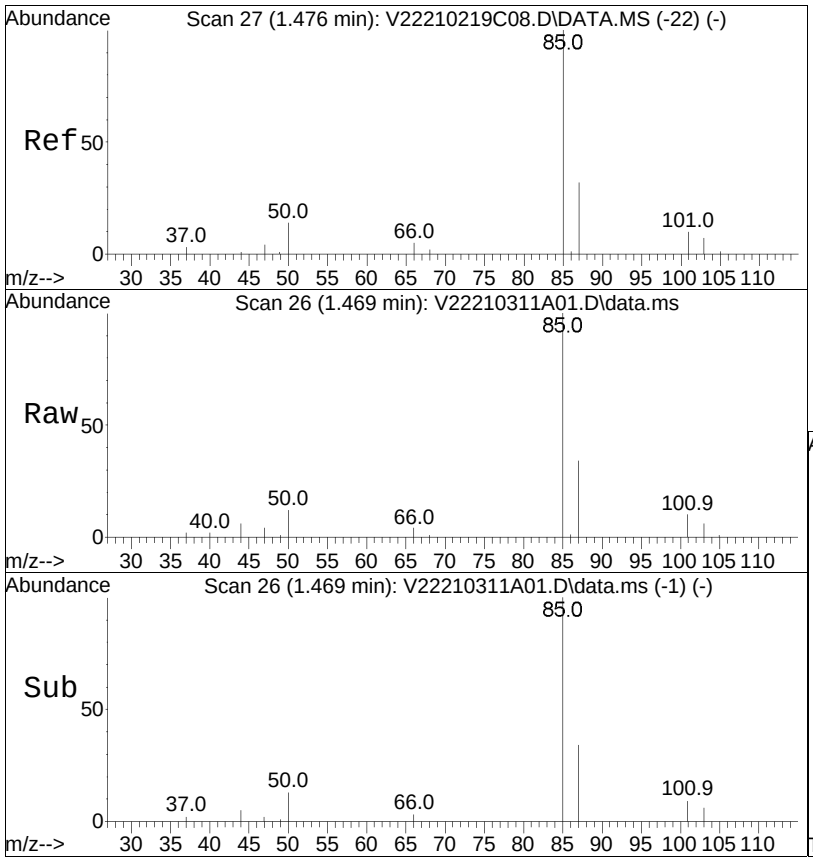
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A01.D
Acq On : 11 Mar 2021 07:16 am
Operator : VOA122:PD
Sample : WG1473232-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 07:46:17 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

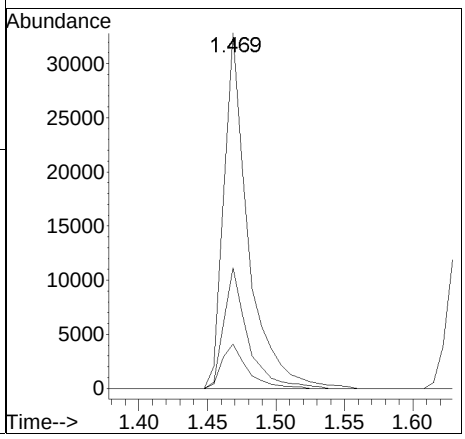


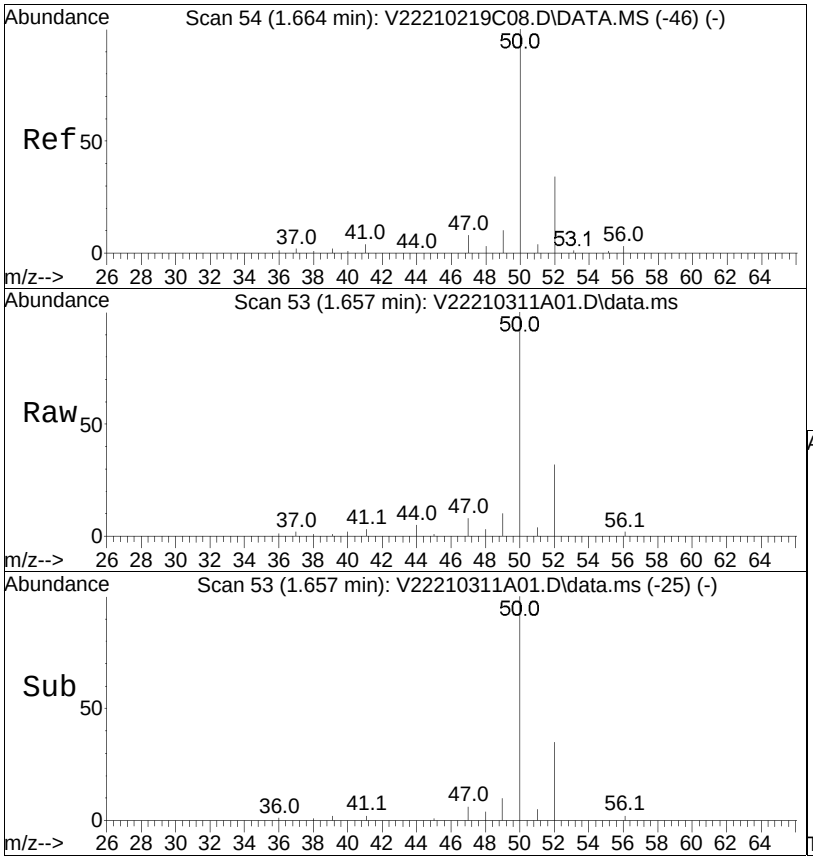


#2
Dichlorodifluoromethane
Concen: 10.38 ug/L
RT: 1.469 min Scan# 26
Delta R.T. -0.007 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 85 Resp: 40841

Ion	Ratio	Lower	Upper
85	100		
87	33.1	20.7	42.9
50	13.1	6.8	14.2

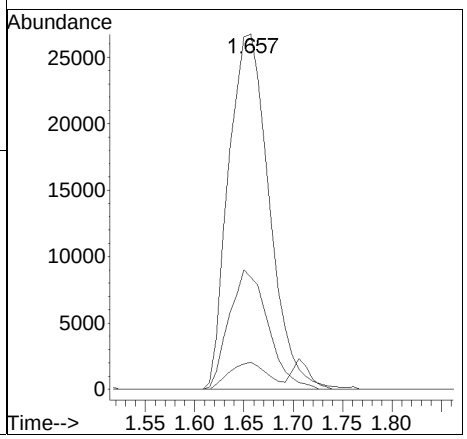


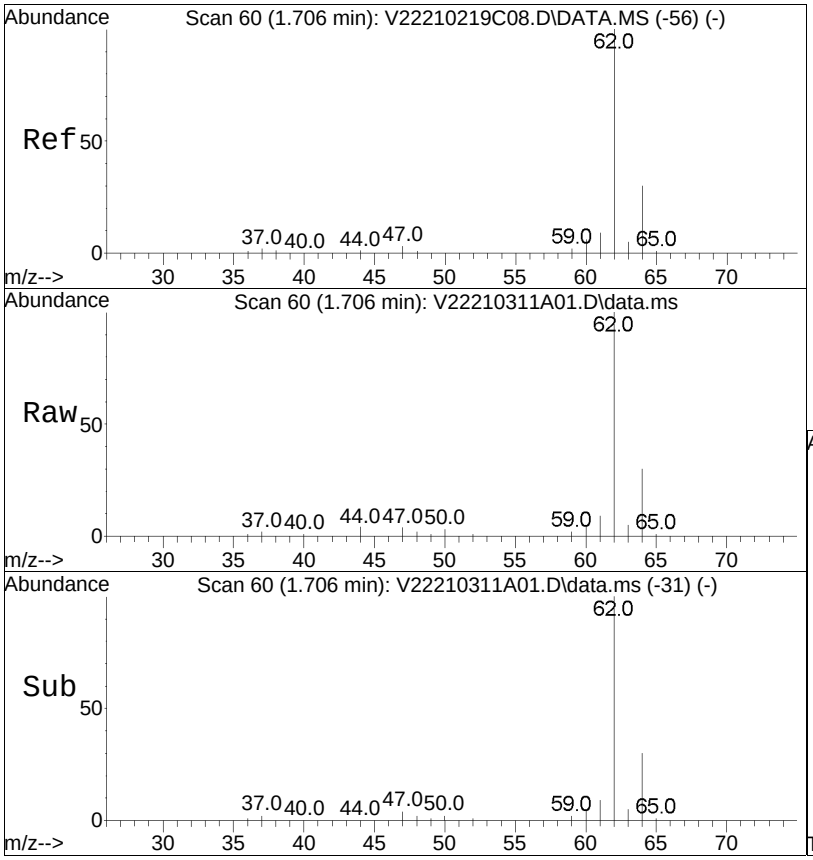


#3
Chloromethane
Concen: 8.94 ug/L
RT: 1.657 min Scan# 53
Delta R.T. -0.007 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 50 Resp: 76971

Ion	Ratio	Lower	Upper
50	100		
52	32.2	12.8	52.8
47	7.3	0.0	30.0

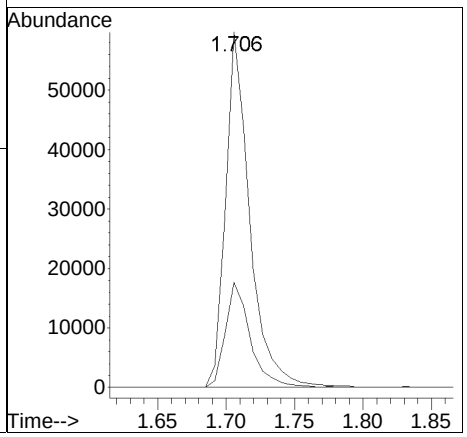


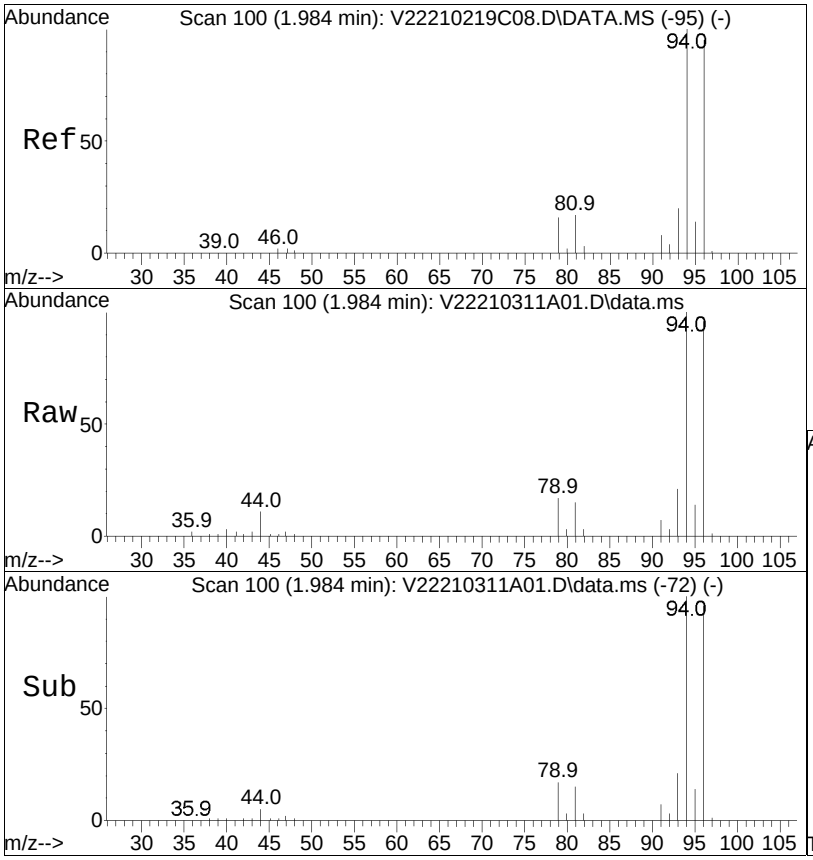


#4
Vinyl chloride
Concen: 9.62 ug/L
RT: 1.706 min Scan# 60
Delta R.T. -0.000 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 62 Resp: 73406

Ion	Ratio	Lower	Upper
62	100		
64	30.5	12.0	52.0

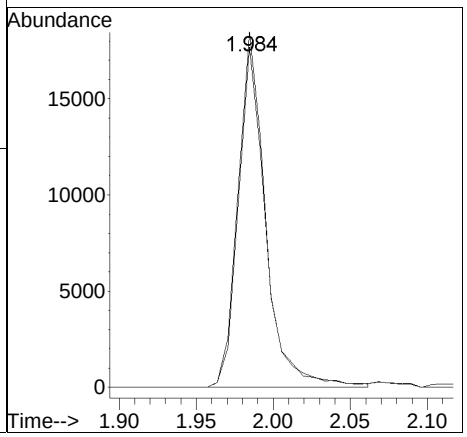


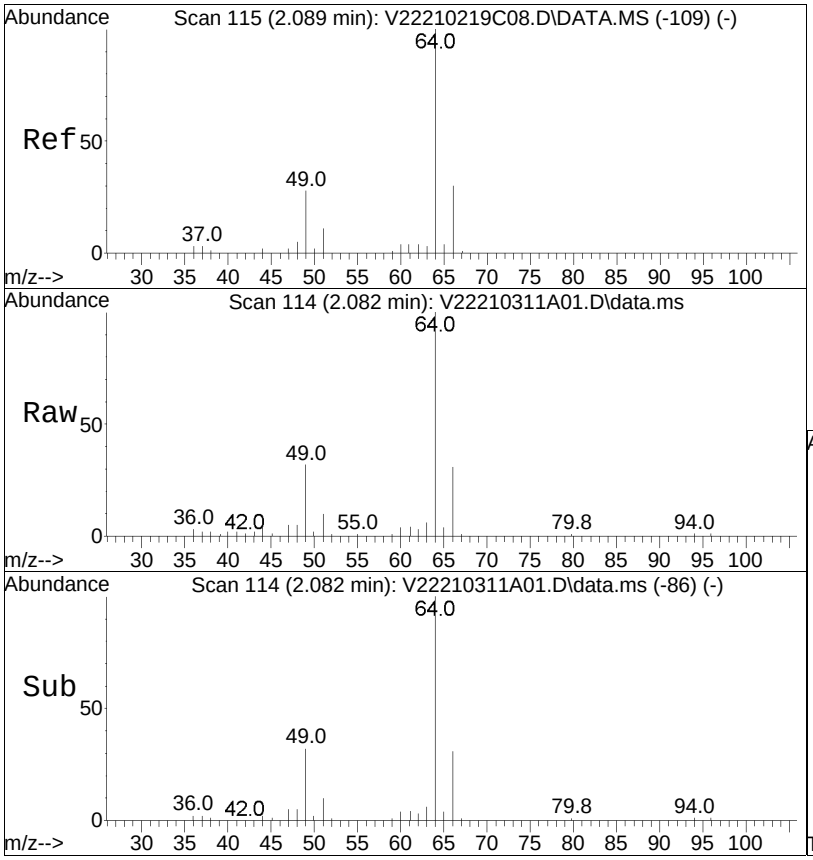


#5
Bromomethane
Concen: 5.32 ug/L
RT: 1.984 min Scan# 100
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 94 Resp: 23123

Ion	Ratio	Lower	Upper
94	100		
96	94.9	72.8	112.8

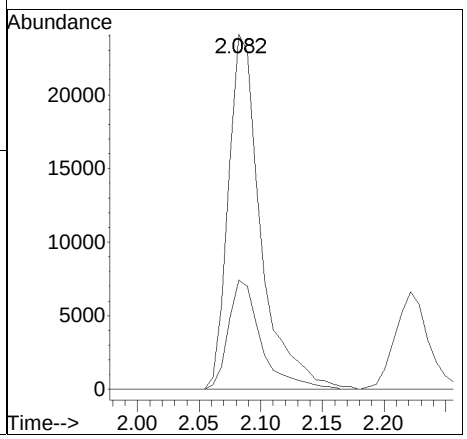


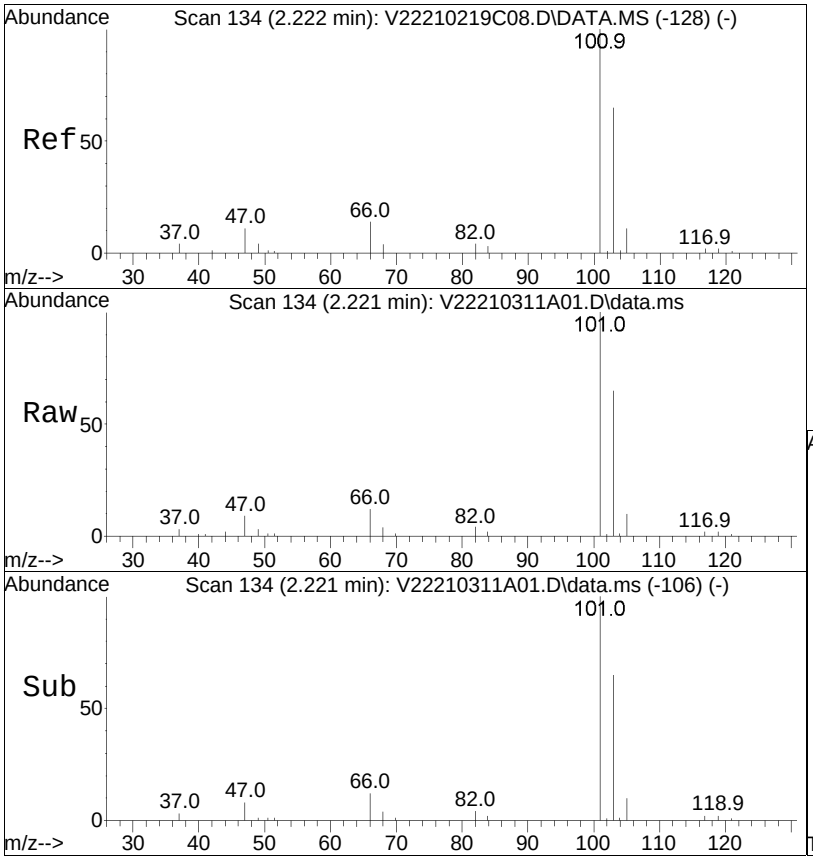


#6
Chloroethane
Concen: 7.80 ug/L
RT: 2.082 min Scan# 114
Delta R.T. -0.007 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 64 Resp: 44372

Ion	Ratio	Lower	Upper
64	100		
66	31.0	12.2	52.2

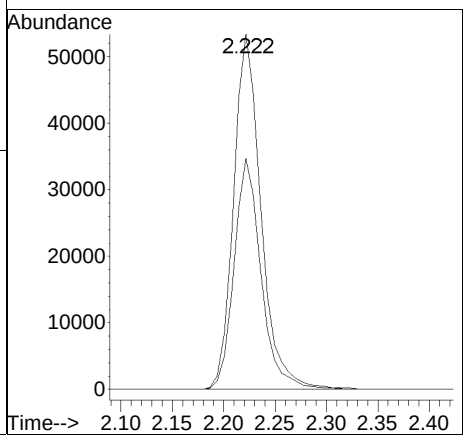


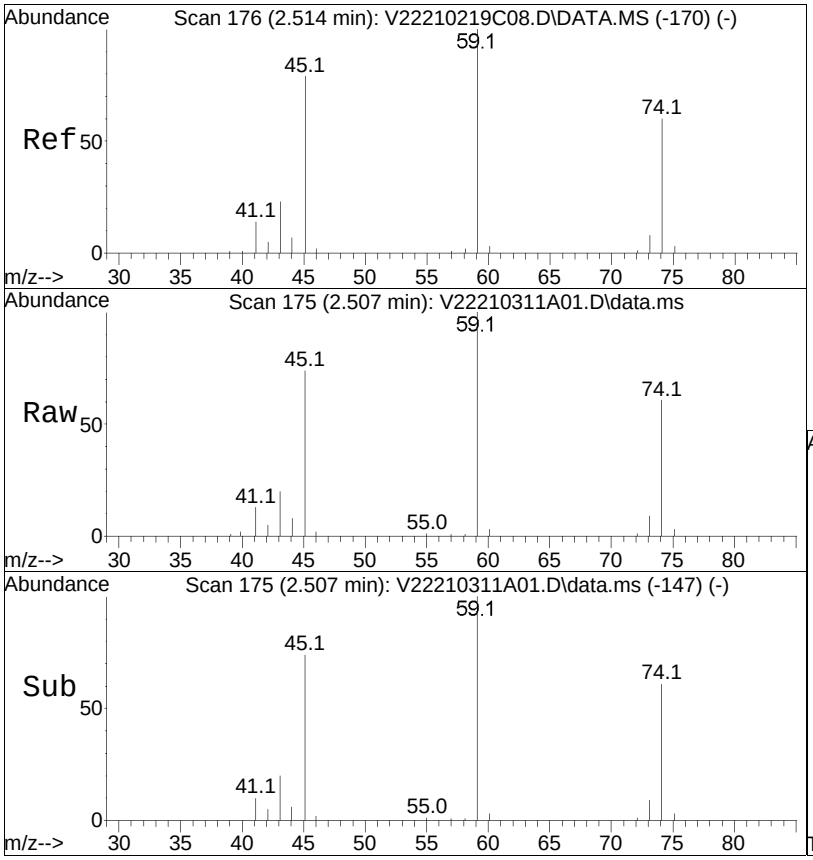


#7
Trichlorofluoromethane
Concen: 9.92 ug/L
RT: 2.221 min Scan# 134
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:101 Resp: 99050

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

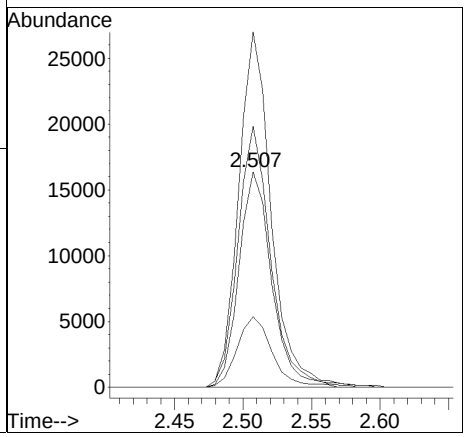


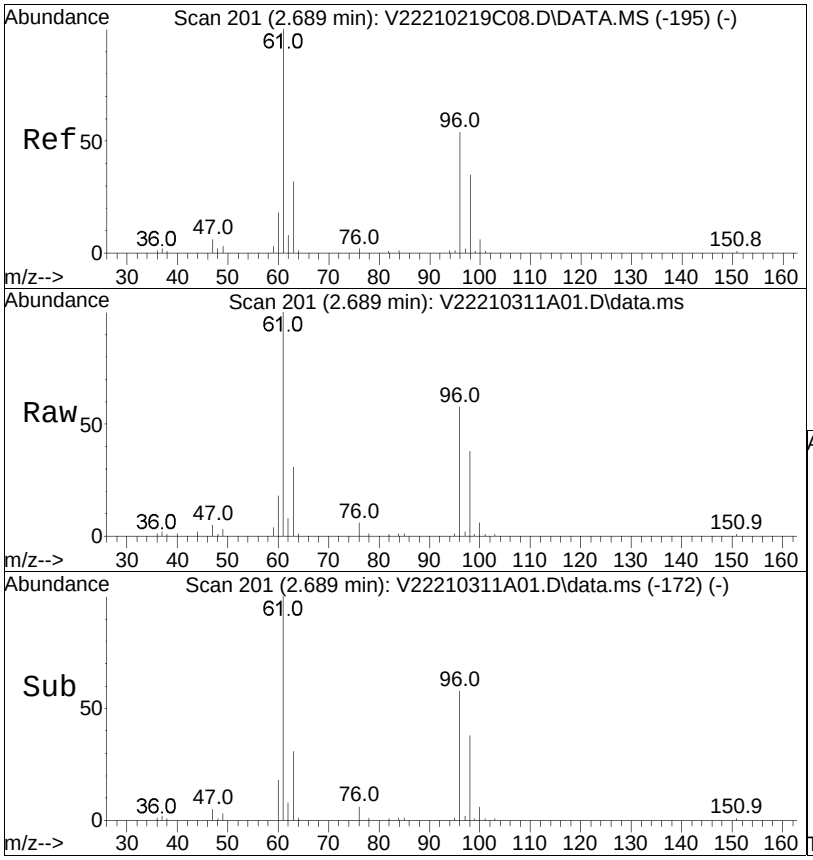


#8
Ethyl ether
Concen: 9.35 ug/L
RT: 2.507 min Scan# 175
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 74 Resp: 27432

Ion	Ratio	Lower	Upper
74	100		
59	164.2	2122.4	4408.0#
45	121.7	1435.1	2980.5#
43	35.1	407.9	847.3#

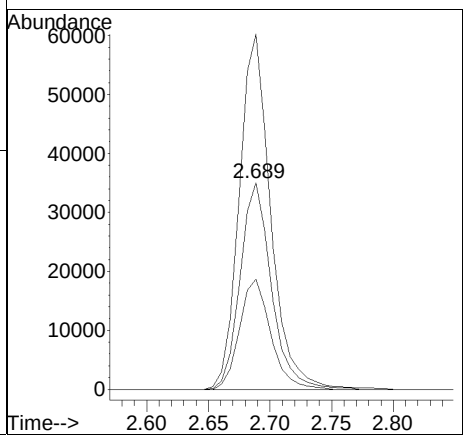


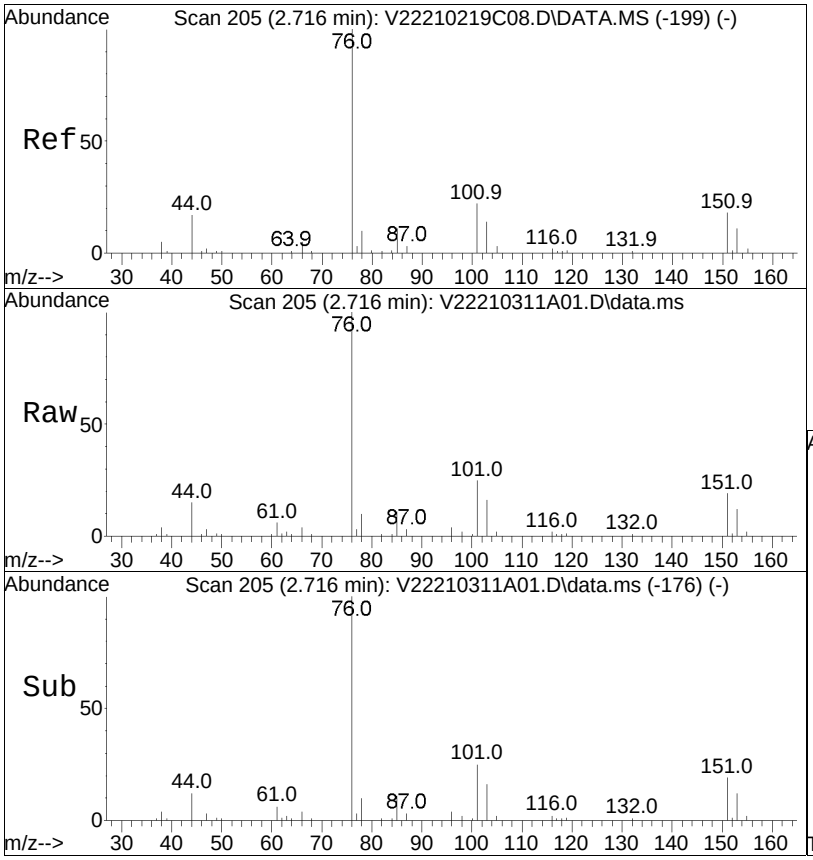


#10
1,1-Dichloroethene
Concen: 10.09 ug/L
RT: 2.689 min Scan# 201
Delta R.T. -0.000 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 96 Resp: 61752

Ion	Ratio	Lower	Upper
96	100		
61	173.2	117.0	175.4
63	53.4	37.8	56.6

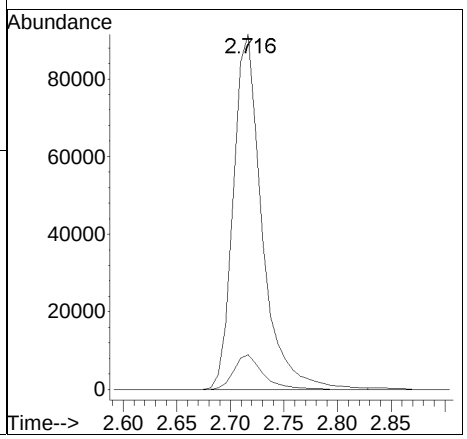


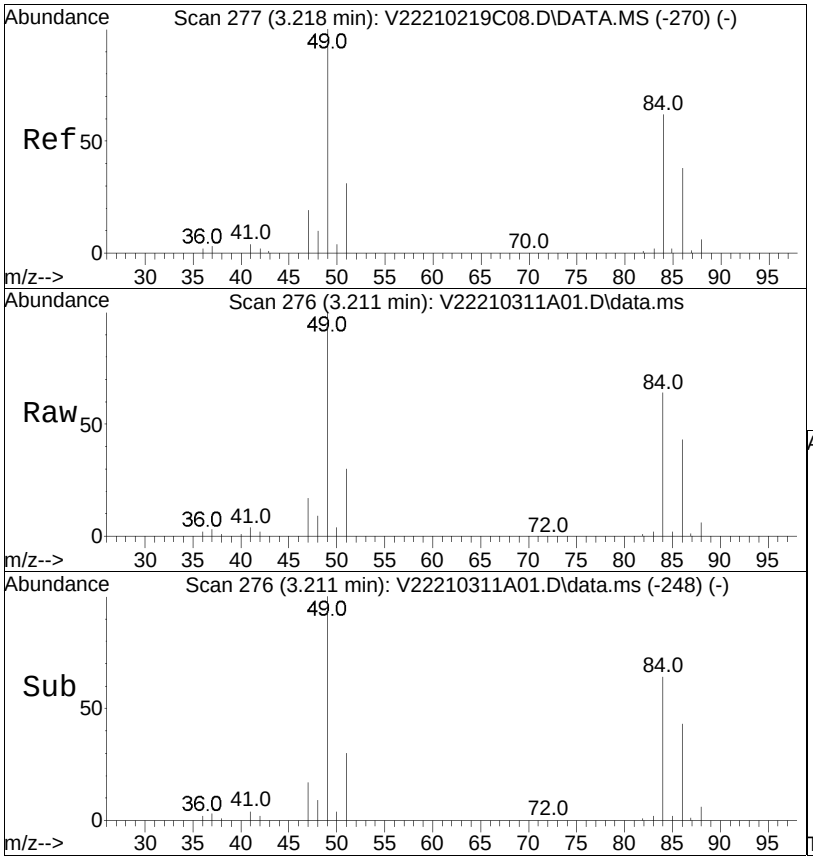


#11
Carbon disulfide
Concen: 12.05 ug/L
RT: 2.716 min Scan# 205
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 76 Resp: 170460

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.4	13.4

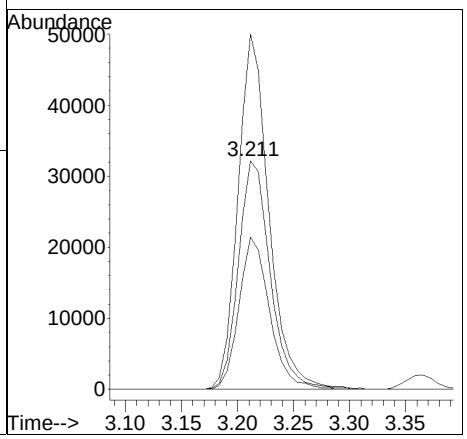


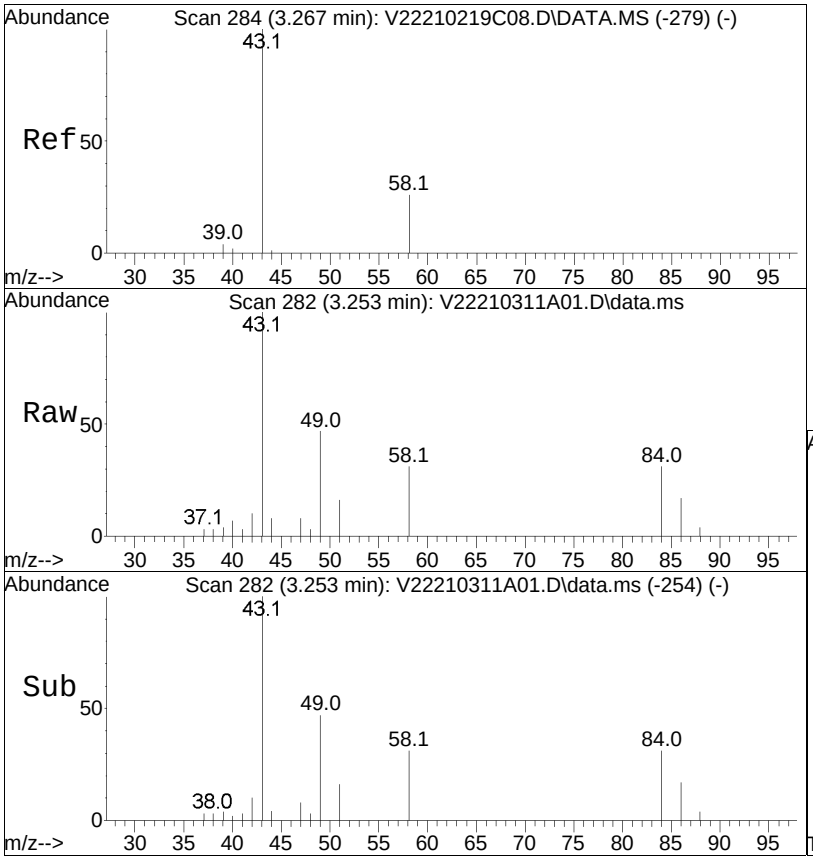


#15
Methylene chloride
Concen: 9.41 ug/L
RT: 3.211 min Scan# 276
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 84 Resp: 63685

Ion	Ratio	Lower	Upper
84	100		
86	64.3	41.5	86.3
49	150.8	68.8	143.0#

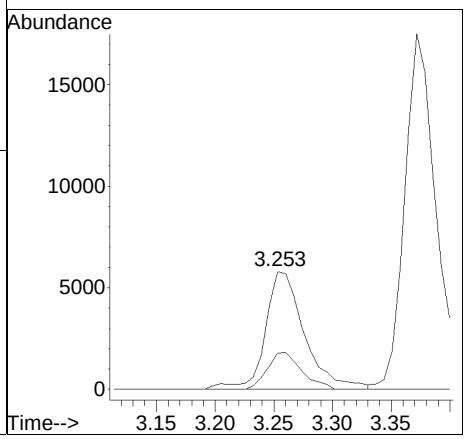


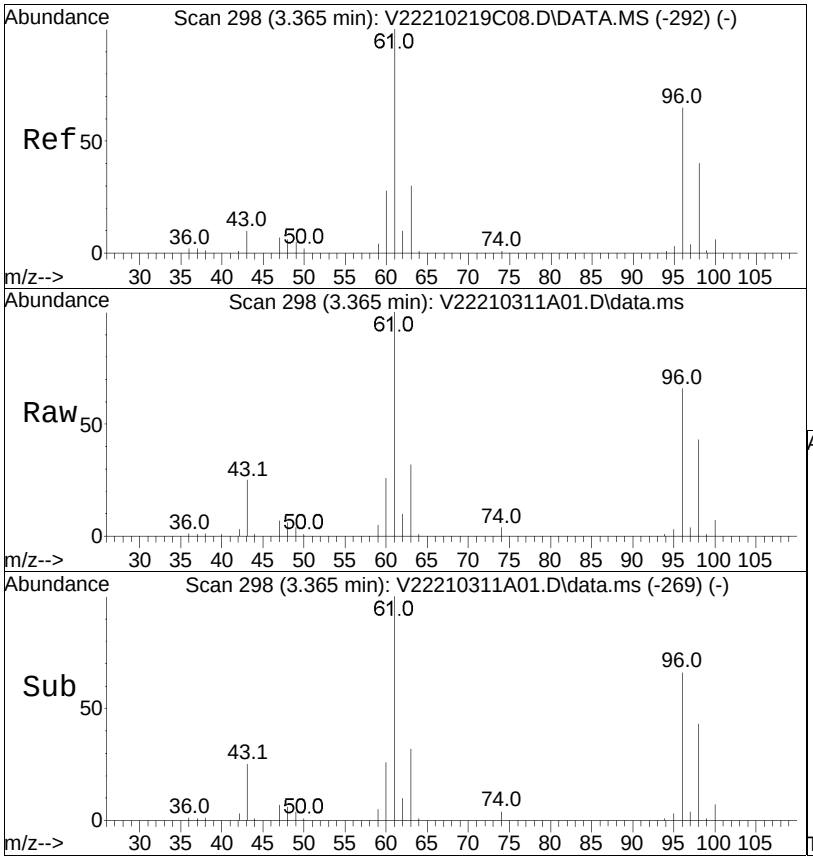


#17
Acetone
Concen: 9.12 ug/L
RT: 3.253 min Scan# 282
Delta R.T. -0.007 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 43 Resp: 13532

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.1	34.7

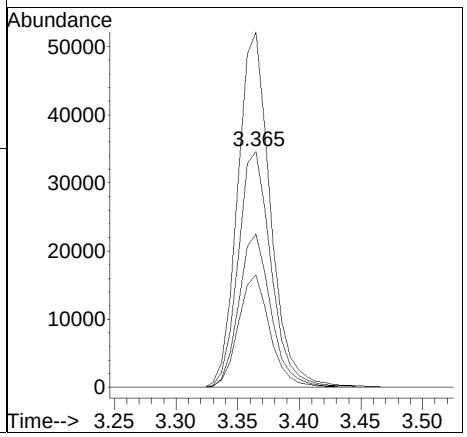


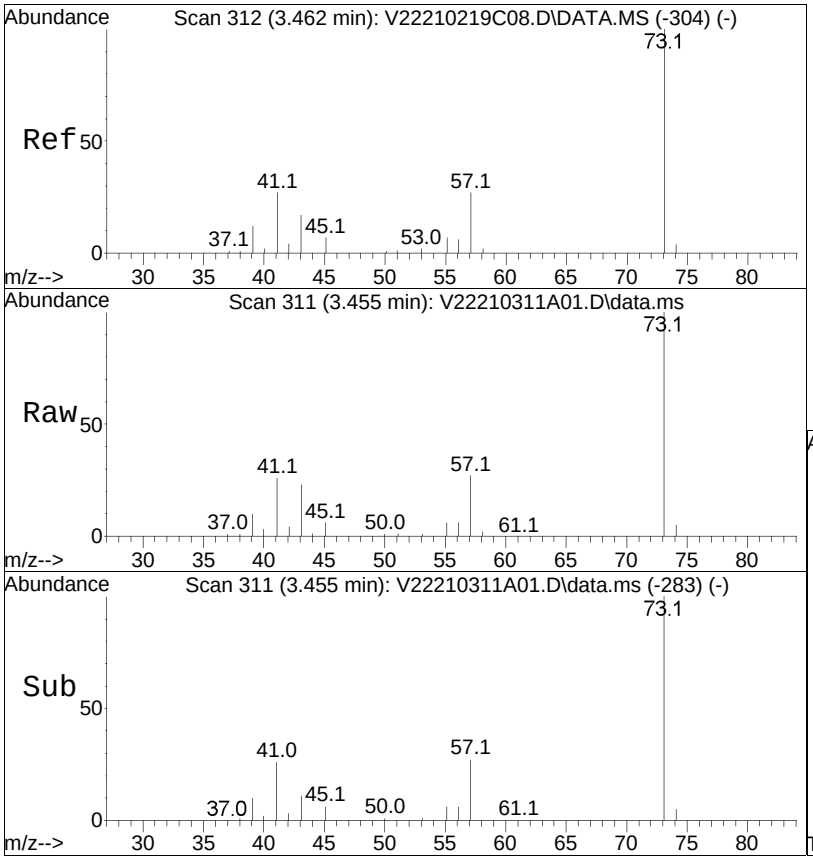


#18
trans-1,2-Dichloroethene
Concen: 9.96 ug/L
RT: 3.365 min Scan# 298
Delta R.T. -0.000 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 96 Resp: 64669

Ion	Ratio	Lower	Upper
96	100		
61	149.5	81.6	169.6
98	63.3	41.8	86.8
63	45.8	26.3	54.7

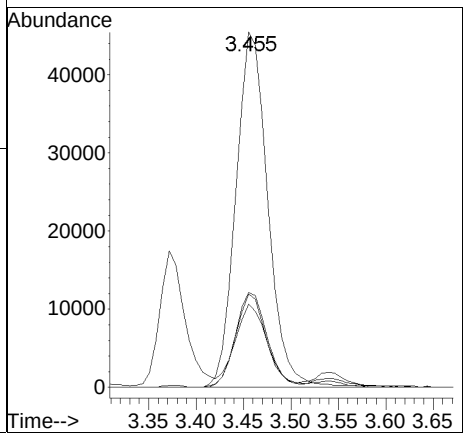


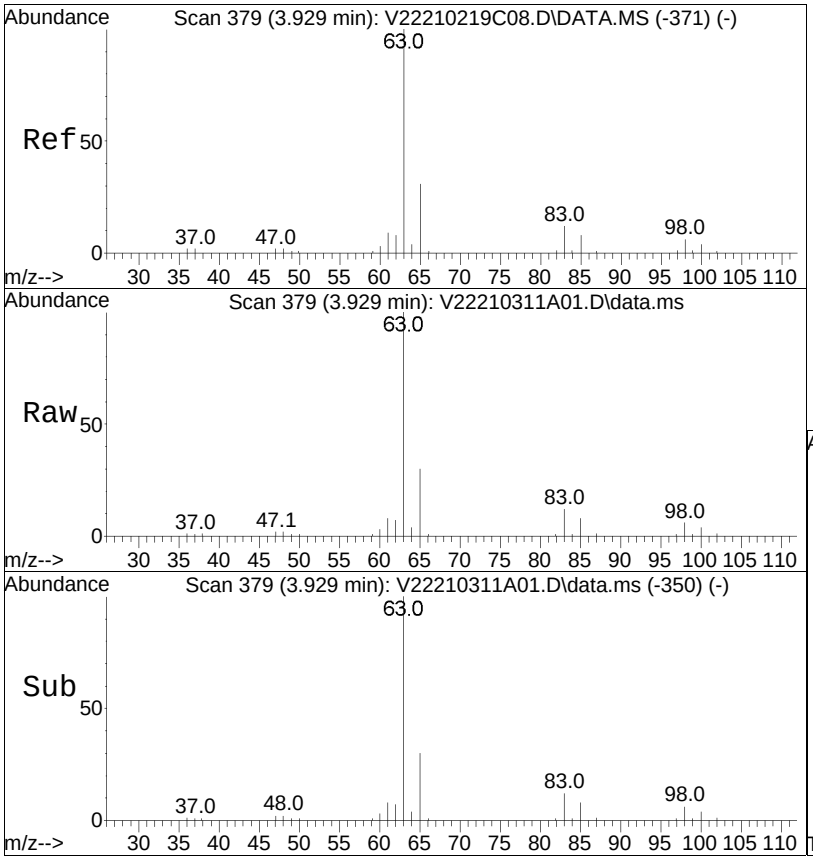


#21
Methyl tert-butyl ether
Concen: 8.53 ug/L
RT: 3.455 min Scan# 311
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 73 Resp: 106984

Ion	Ratio	Lower	Upper
73	100		
57	26.6	13.6	28.2
43	23.0	12.7	26.5
41	25.3	11.4	23.8#

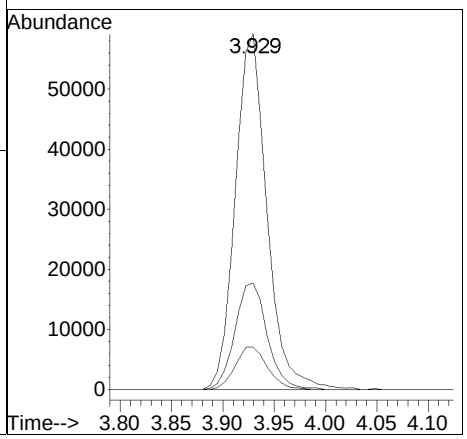


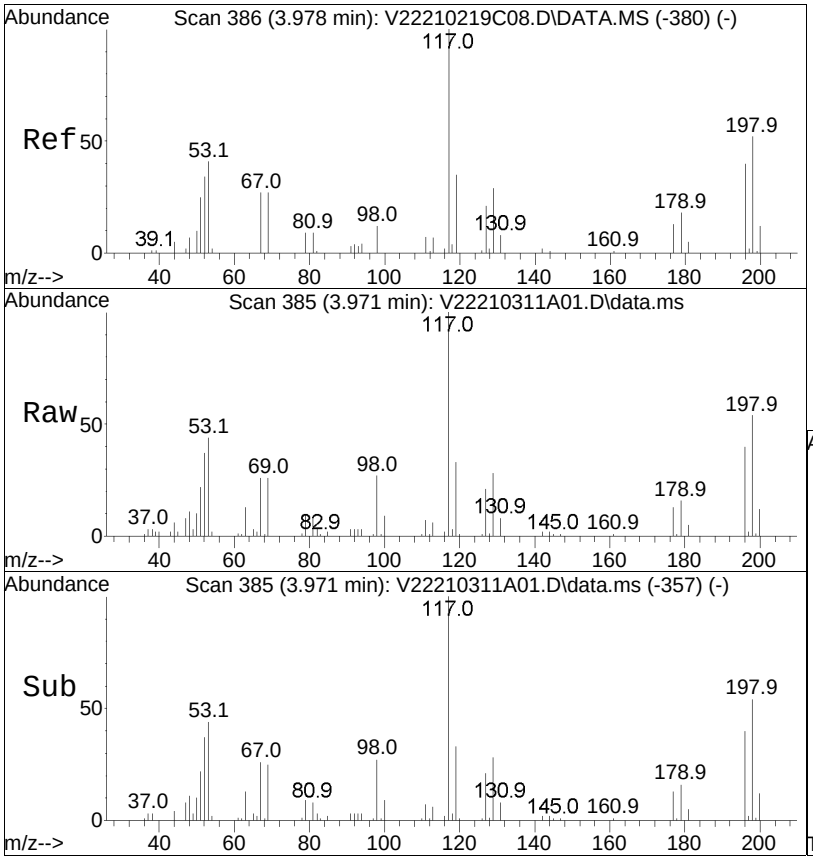


#25
1,1-Dichloroethane
Concen: 9.42 ug/L
RT: 3.929 min Scan# 379
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 63 Resp: 126507

Ion	Ratio	Lower	Upper
63	100		
65	30.5	11.9	51.9
83	12.2	0.0	34.2

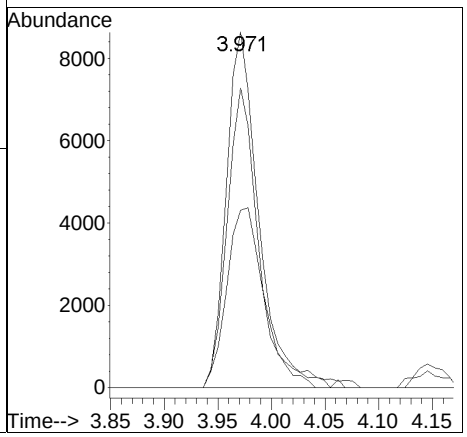


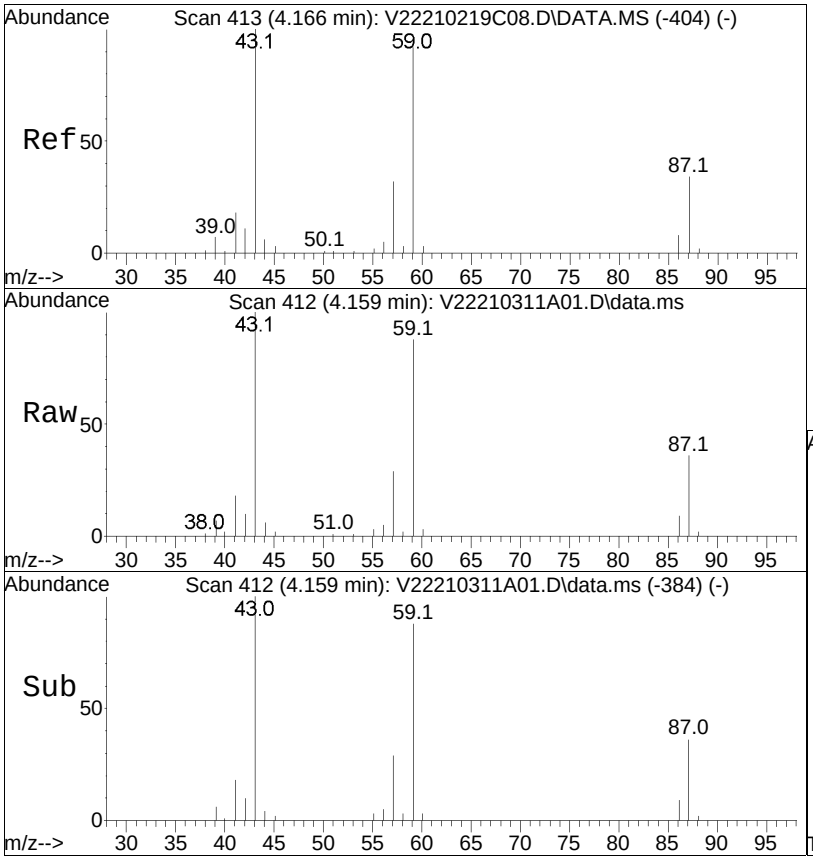


#27
Acrylonitrile
Concen: 9.33 ug/L
RT: 3.971 min Scan# 385
Delta R.T. -0.007 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 53 Resp: 18481

Ion	Ratio	Lower	Upper
53	100		
52	81.9	63.8	95.8
51	56.7	50.2	75.4

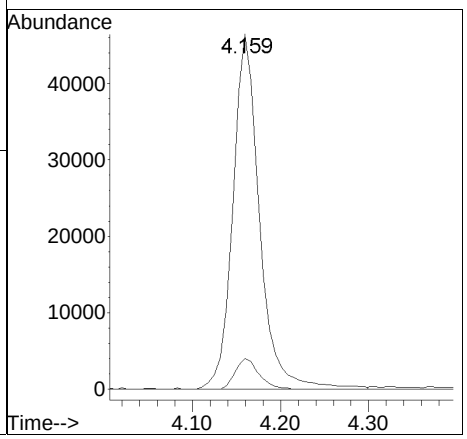


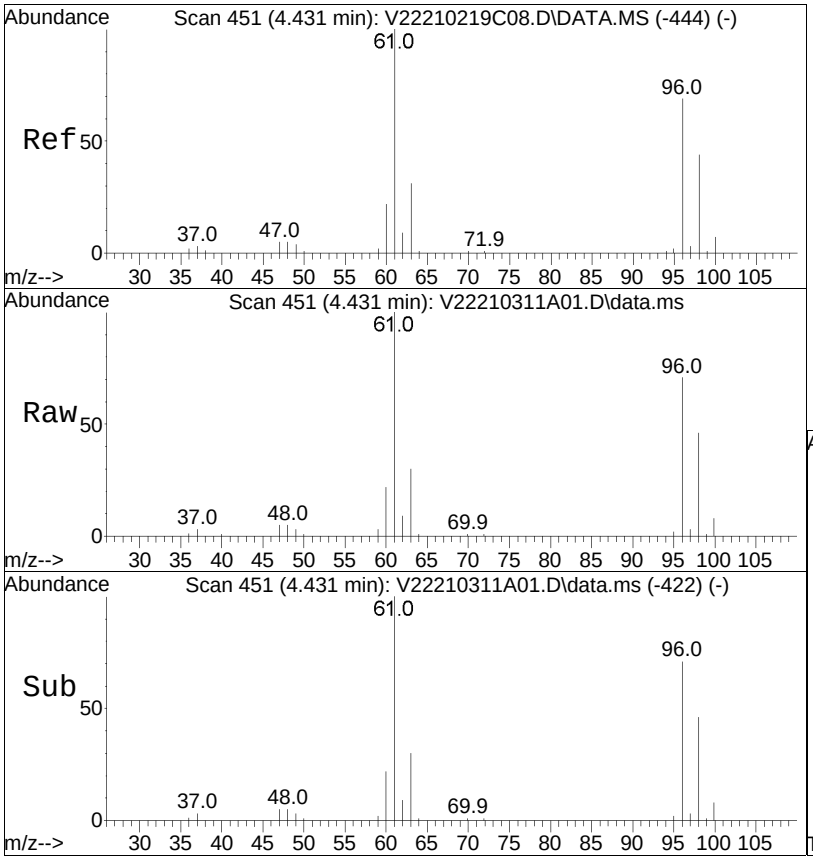


#29
Vinyl acetate
Concen: 7.51 ug/L
RT: 4.159 min Scan# 412
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 43 Resp: 98274

Ion	Ratio	Lower	Upper
43	100		
86	7.8	8.9	13.3#

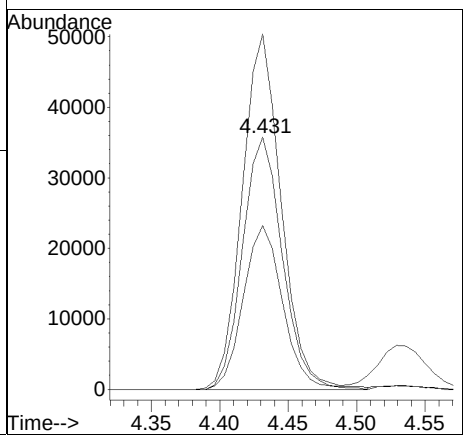


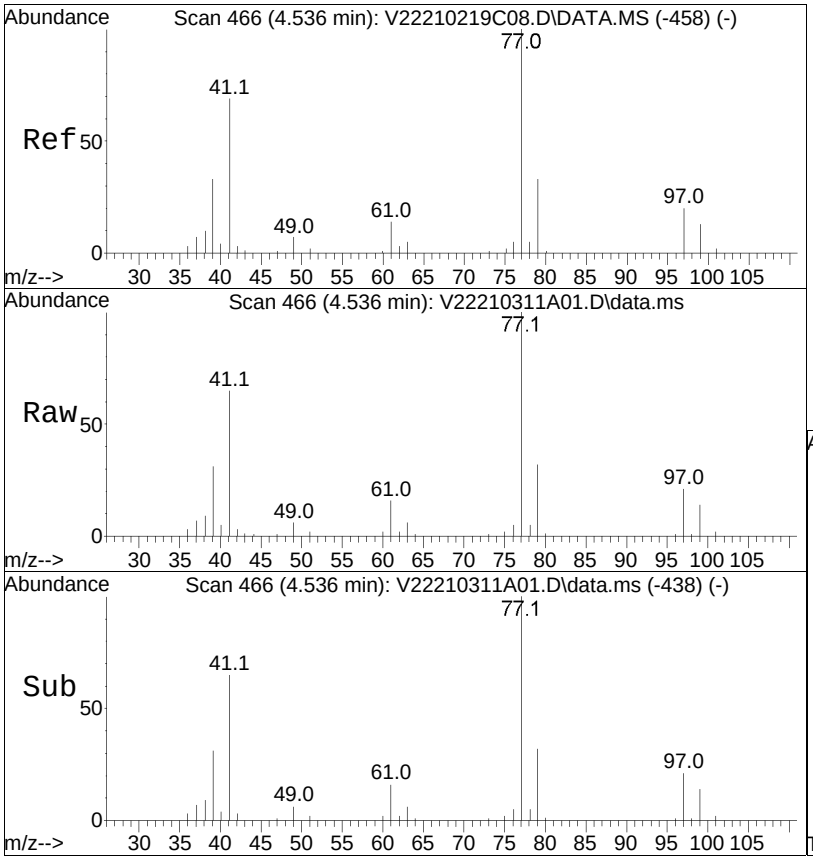


#30
cis-1,2-Dichloroethene
Concen: 9.66 ug/L
RT: 4.431 min Scan# 451
Delta R.T. 0.000 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 96 Resp: 72550

Ion	Ratio	Lower	Upper
96	100		
61	136.9	90.3	135.5#
98	64.1	50.8	76.2

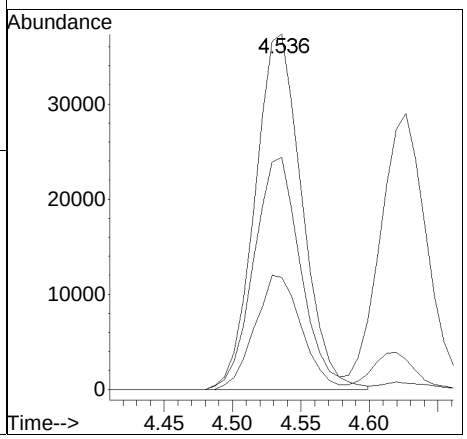


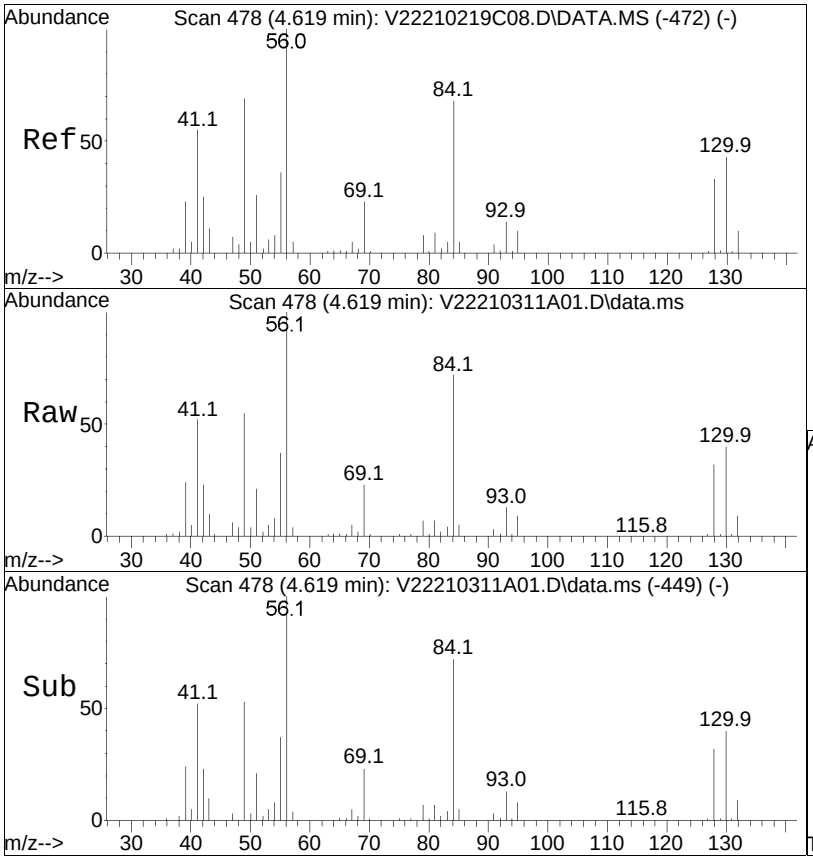


#31
2,2-Dichloropropane
Concen: 11.46 ug/L
RT: 4.536 min Scan# 466
Delta R.T. -0.002 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 77 Resp: 88858

Ion	Ratio	Lower	Upper
77	100		
41	64.9	32.3	67.1
79	31.9	21.1	43.7

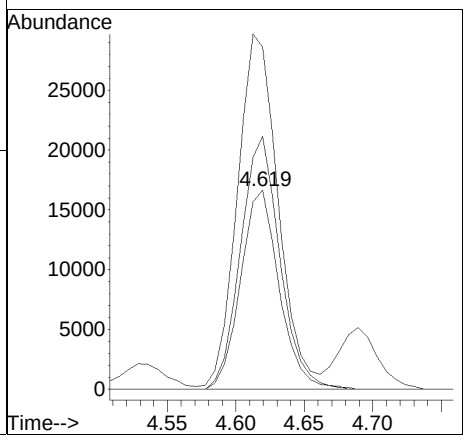


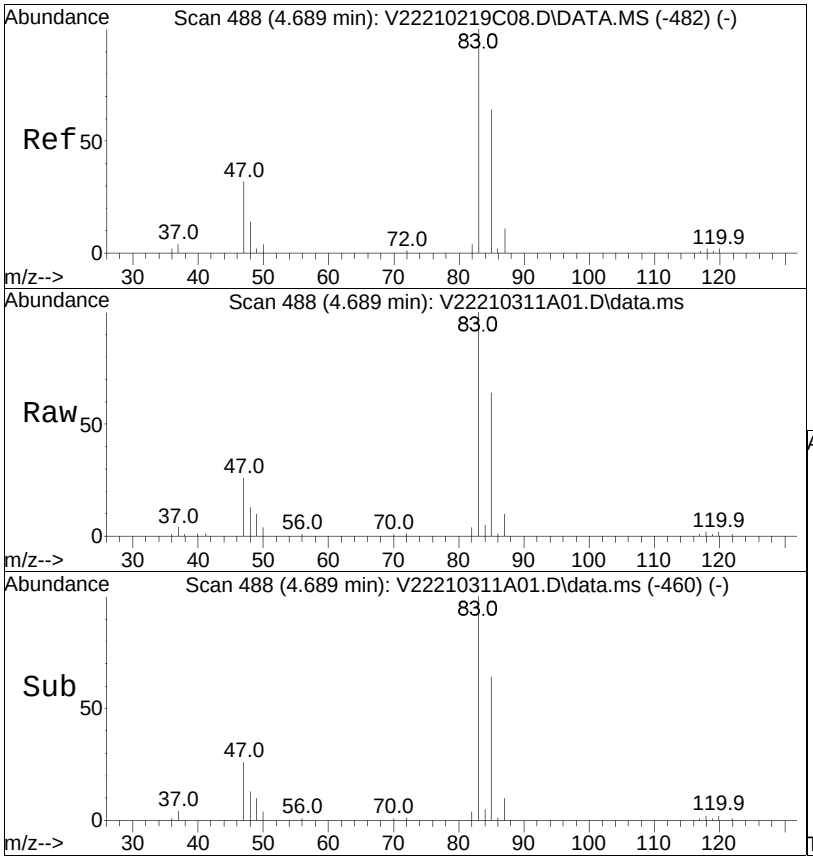


#32
Bromochloromethane
Concen: 10.32 ug/L
RT: 4.619 min Scan# 478
Delta R.T. 0.000 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:128 Resp: 32746

Ion	Ratio	Lower	Upper
128	100		
49	188.2	104.4	156.6#
130	128.9	103.9	155.9

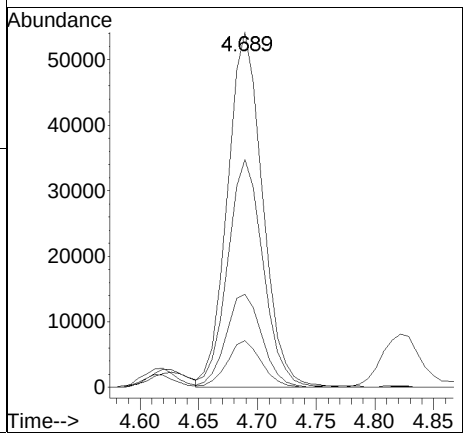


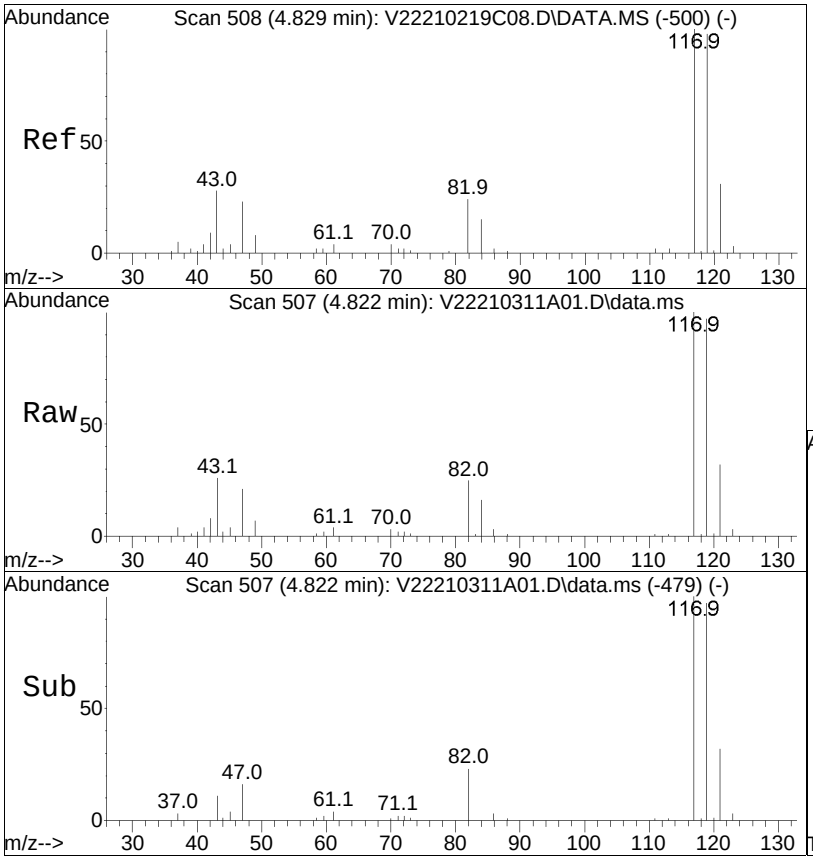


#34
Chloroform
Concen: 9.41 ug/L
RT: 4.689 min Scan# 488
Delta R.T. -0.004 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 83 Resp: 113296

Ion	Ratio	Lower	Upper
83	100		
85	65.0	42.4	88.2
47	27.0	14.0	29.0
48	12.9	6.9	14.3

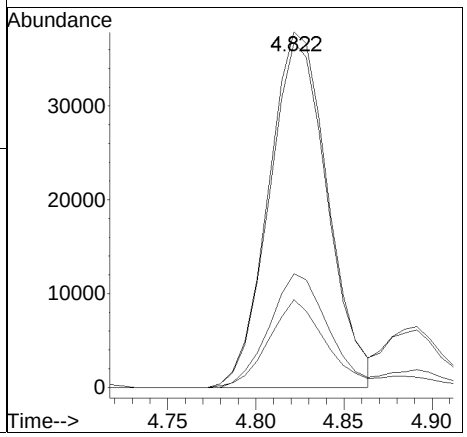


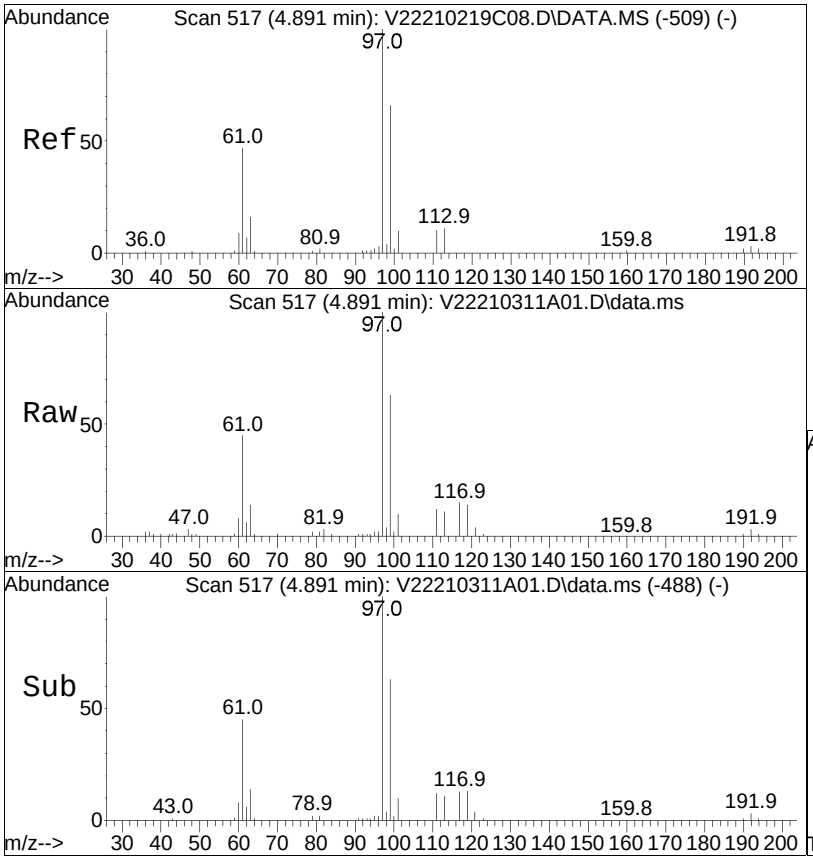


#36
Carbon tetrachloride
Concen: 9.35 ug/L
RT: 4.822 min Scan# 507
Delta R.T. -0.004 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:117 Resp: 89096

Ion	Ratio	Lower	Upper
117	100		
119	95.5	62.1	129.1
121	31.3	20.3	42.3
82	23.9	15.4	32.0

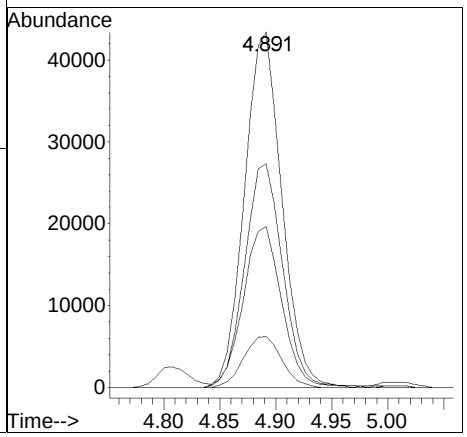


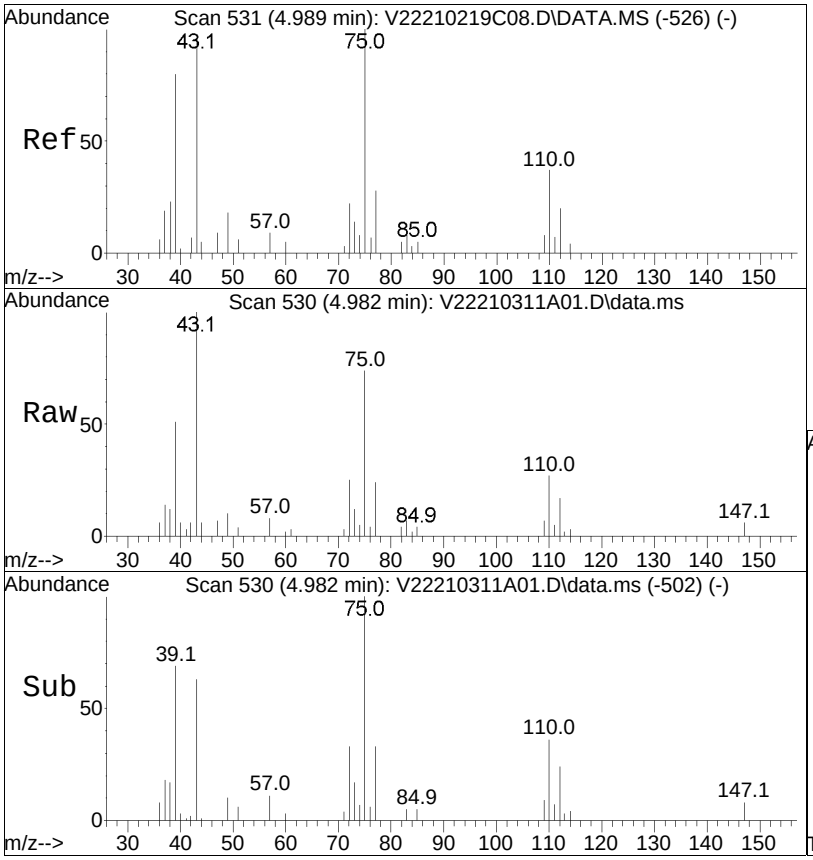


#39
1,1,1-Trichloroethane
Concen: 9.64 ug/L
RT: 4.891 min Scan# 517
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 97 Resp: 100975

Ion	Ratio	Lower	Upper
97	100		
99	63.7	42.4	88.0
61	46.4	26.0	54.0
63	14.6	8.3	17.3

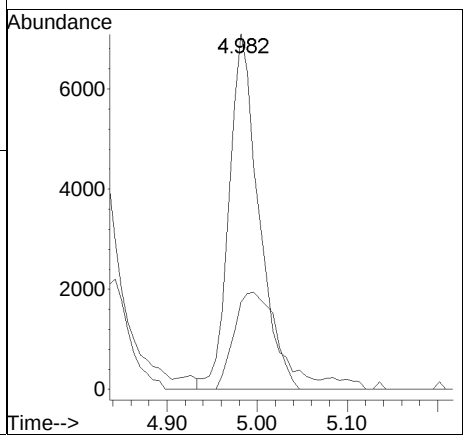


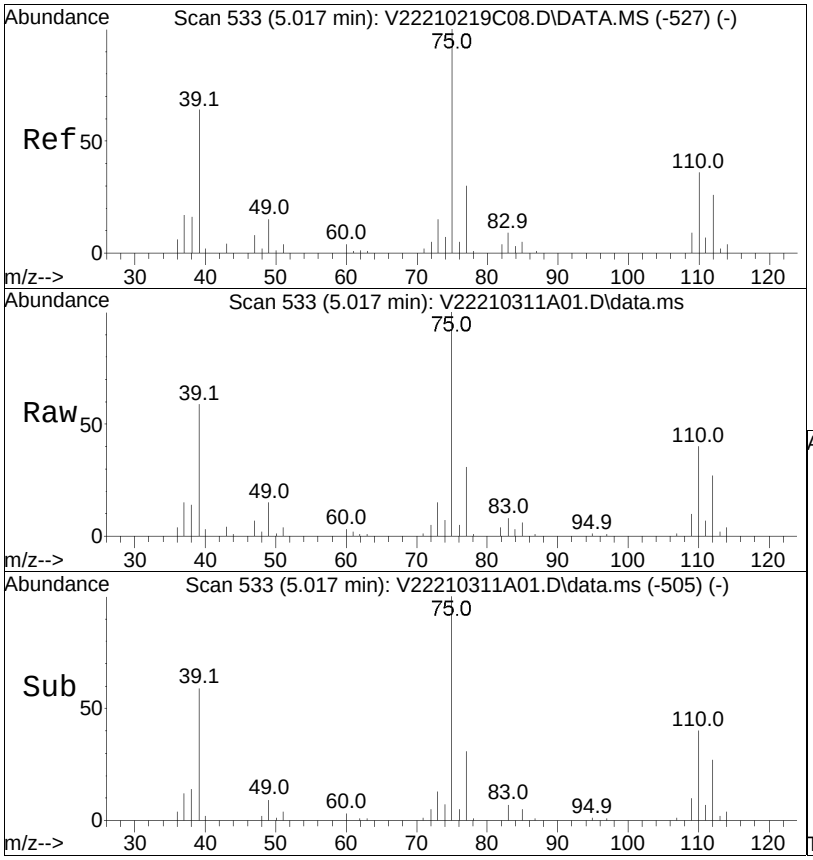


#41
2-Butanone
Concen: 8.73 ug/L M1
RT: 4.982 min Scan# 530
Delta R.T. -0.006 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 43 Resp: 16402

Ion	Ratio	Lower	Upper
43	100		
72	32.5	45.8	68.8#

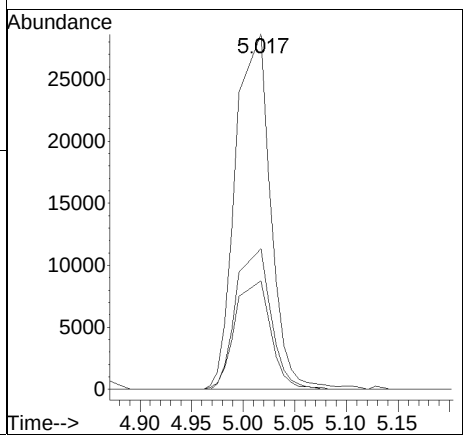


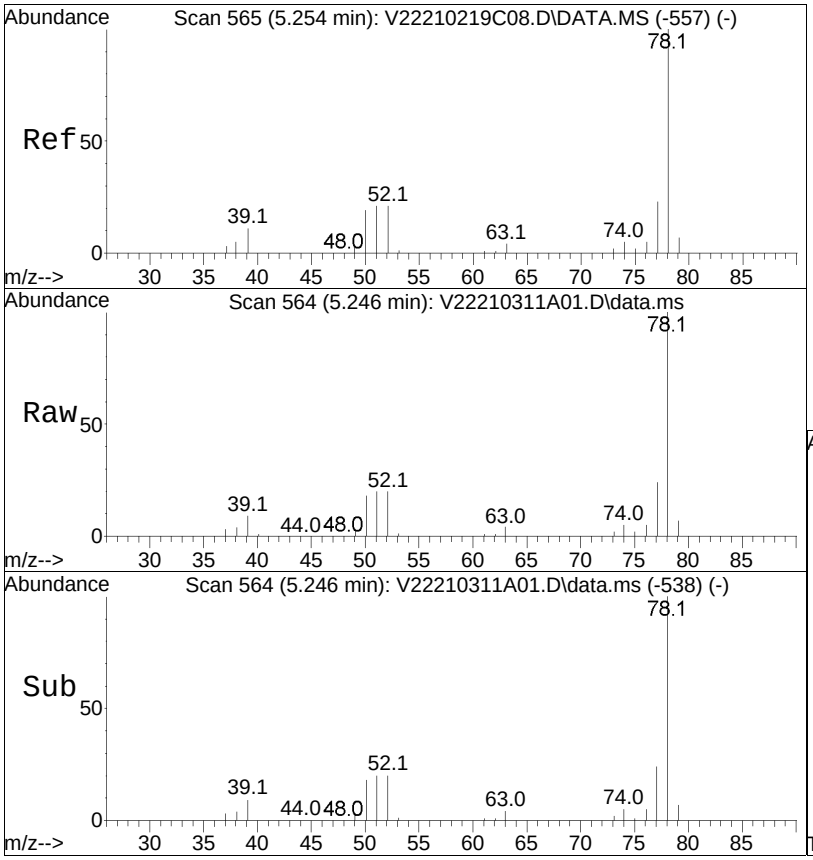


#42
1,1-Dichloropropene
Concen: 8.91 ug/L
RT: 5.017 min Scan# 533
Delta R.T. 0.007 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 75 Resp: 50842

Ion	Ratio	Lower	Upper
75	100		
110	40.3	25.4	52.8
77	31.7	20.3	42.1

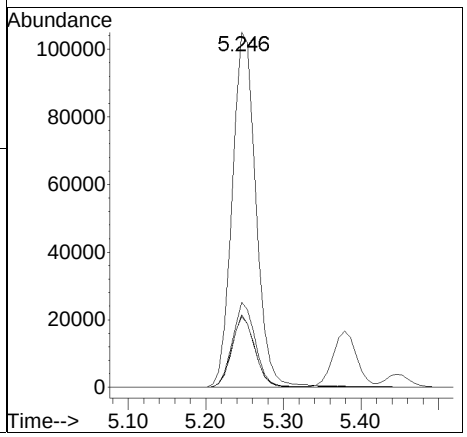


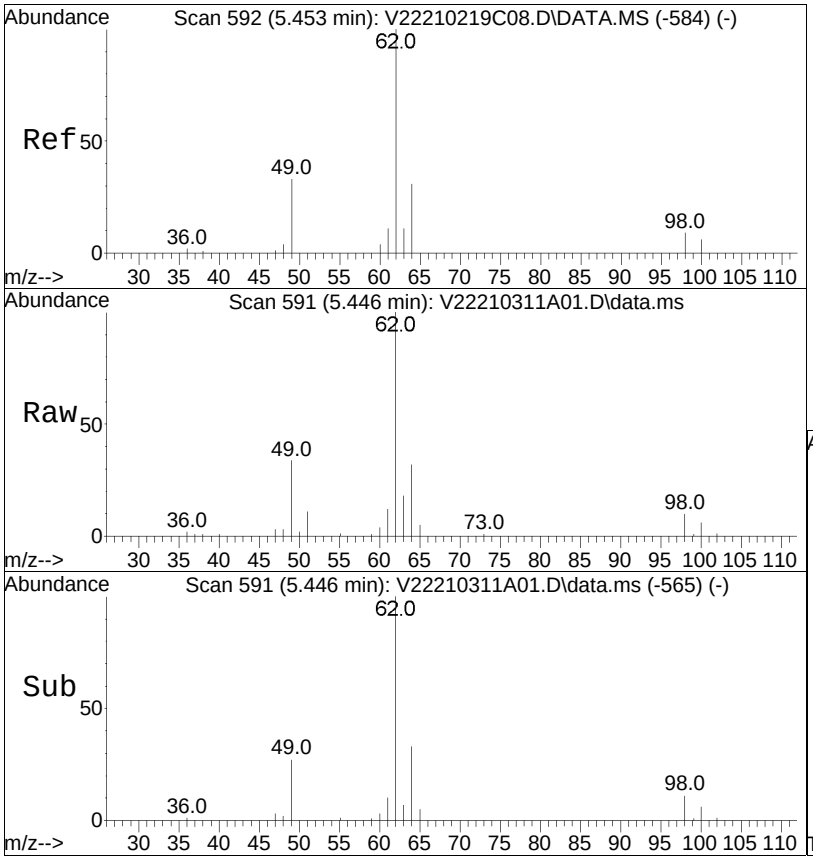


#44
Benzene
Concen: 9.57 ug/L
RT: 5.246 min Scan# 564
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 78 Resp: 223963

Ion	Ratio	Lower	Upper
78	100		
77	23.2	15.4	32.0
51	19.5	9.8	20.4
52	19.3	9.2	19.2#

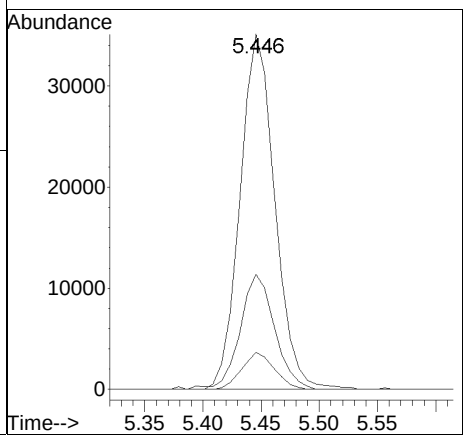


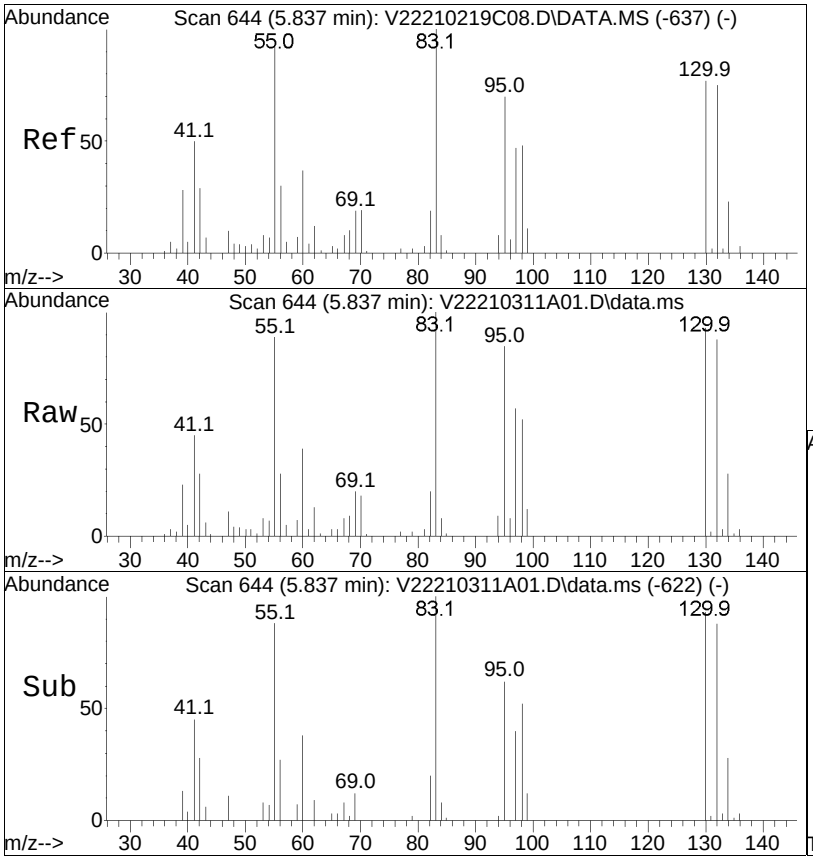


#47
1,2-Dichloroethane
Concen: 8.54 ug/L
RT: 5.446 min Scan# 591
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 62 Resp: 73096

Ion	Ratio	Lower	Upper
62	100		
64	32.4	12.3	52.3
98	9.8	0.0	30.3

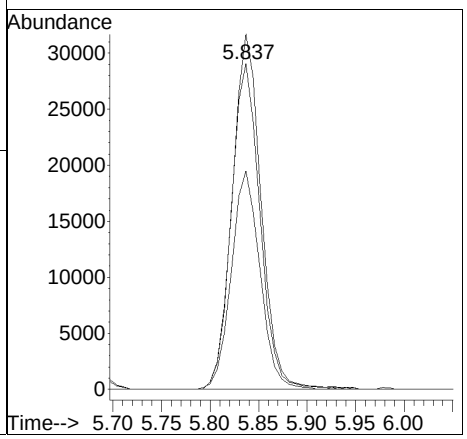


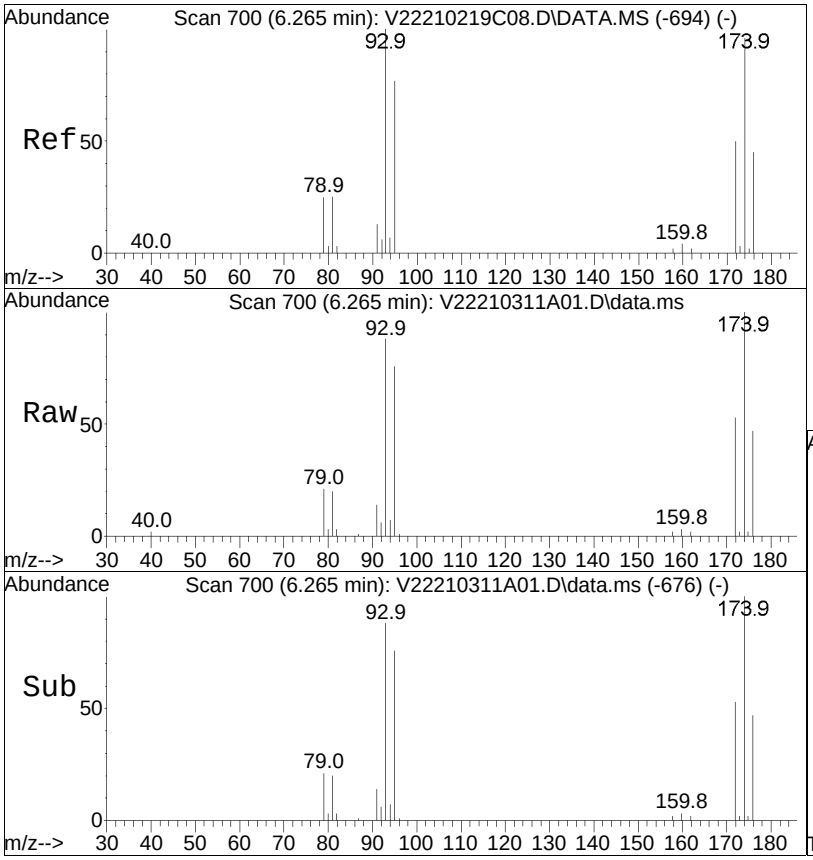


#51
Trichloroethene
Concen: 9.58 ug/L
RT: 5.837 min Scan# 644
Delta R.T. -0.000 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 95 Resp: 59924

Ion	Ratio	Lower	Upper
95	100		
97	67.0	55.0	82.4
130	110.0	89.2	133.8

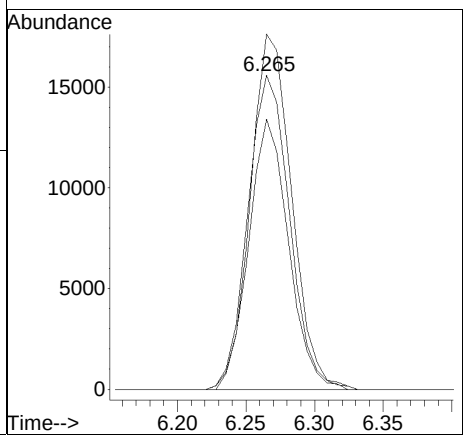


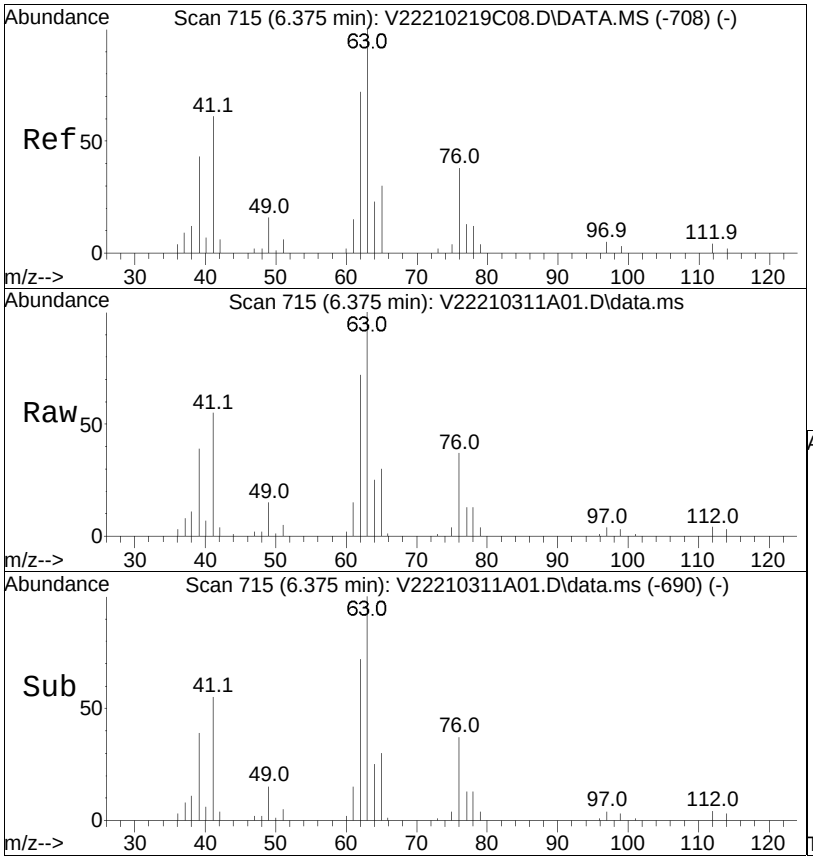


#53
Dibromomethane
Concen: 8.96 ug/L
RT: 6.265 min Scan# 700
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 93 Resp: 33028

Ion	Ratio	Lower	Upper
93	100		
95	82.3	68.0	102.0
174	111.4	106.1	159.1

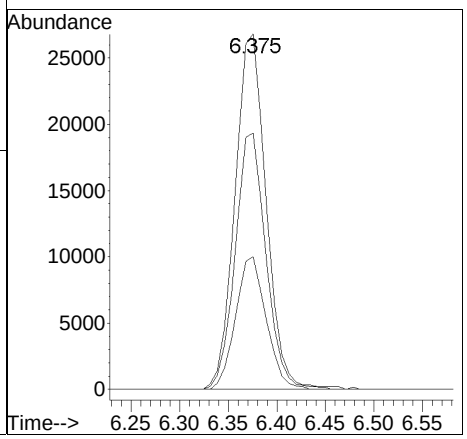


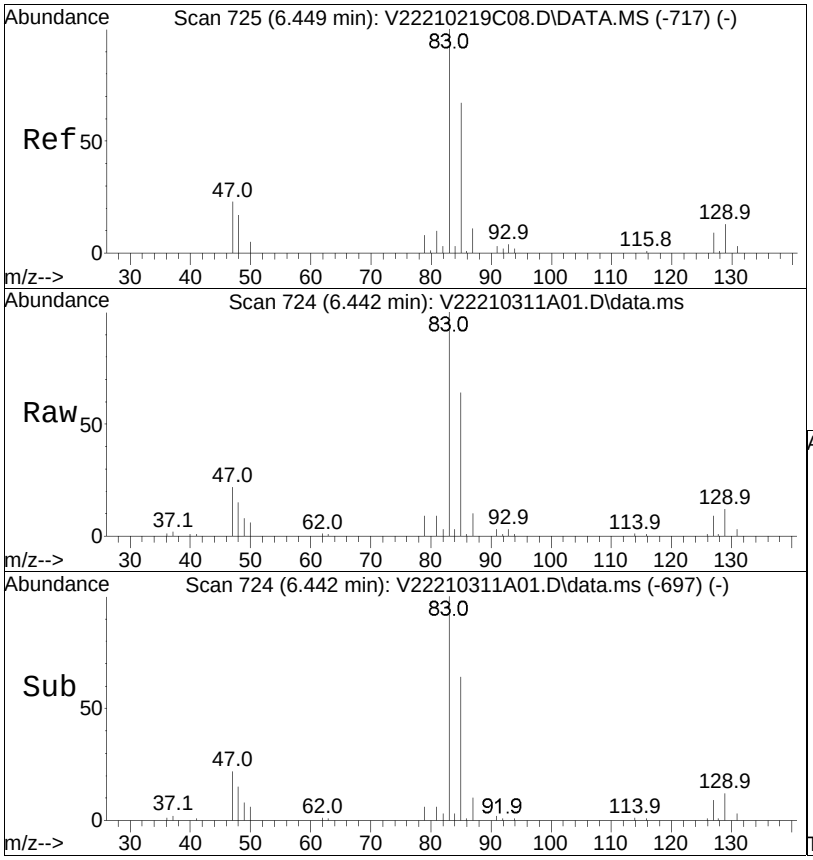


#54
1,2-Dichloropropane
Concen: 8.93 ug/L
RT: 6.375 min Scan# 715
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 63 Resp: 59866

Ion	Ratio	Lower	Upper
63	100		
62	71.1	56.9	85.3
76	36.6	35.8	53.8

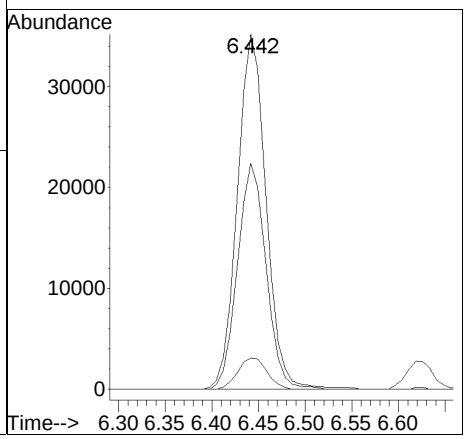


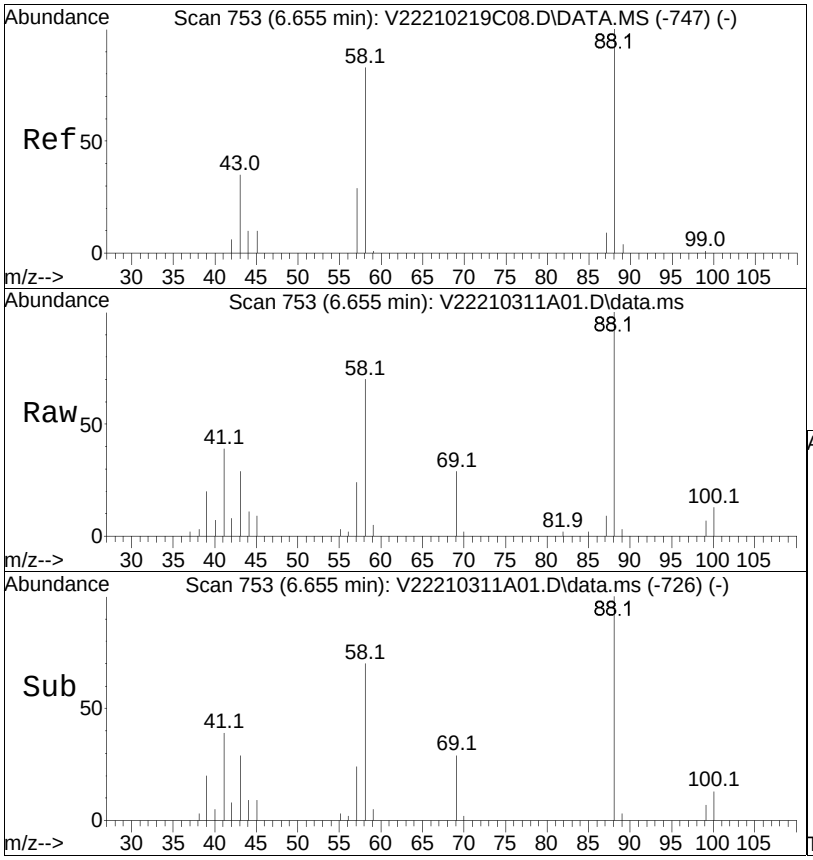


#57
Bromodichloromethane
Concen: 9.11 ug/L
RT: 6.442 min Scan# 724
Delta R.T. -0.000 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 83 Resp: 75466

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.6	77.4
127	9.0	7.4	11.0

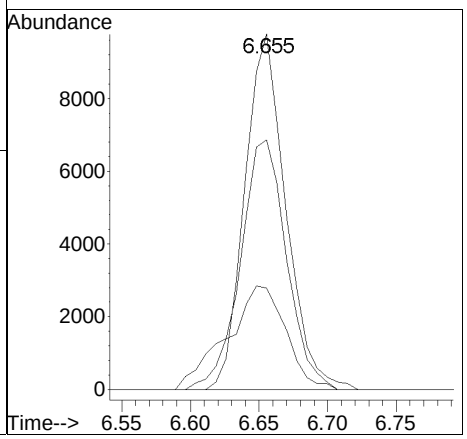


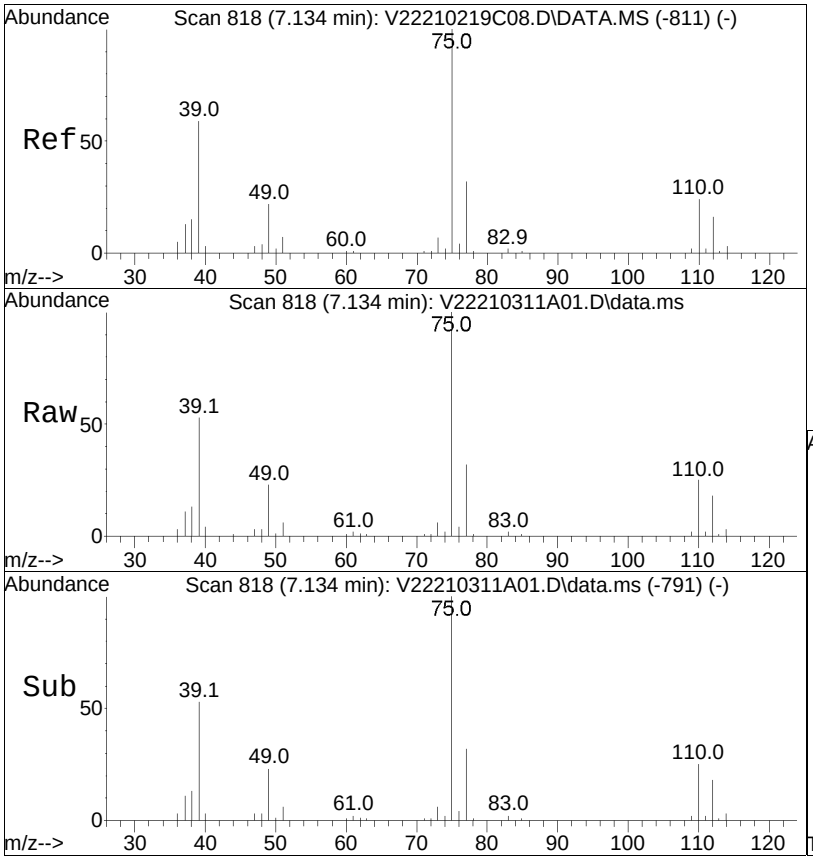


#60
1,4-Dioxane
Concen: 490.00 ug/L
RT: 6.655 min Scan# 753
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 88 Resp: 20321

Ion	Ratio	Lower	Upper
88	100		
58	78.6	43.3	64.9#
43	42.0	15.1	22.7#

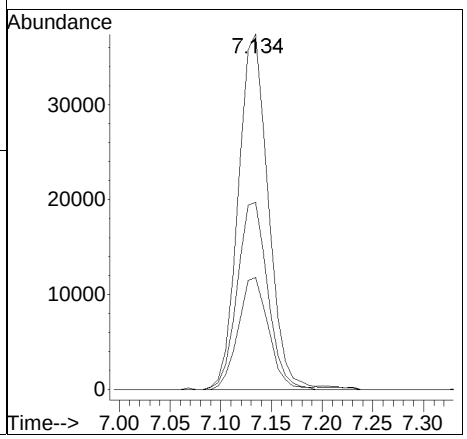


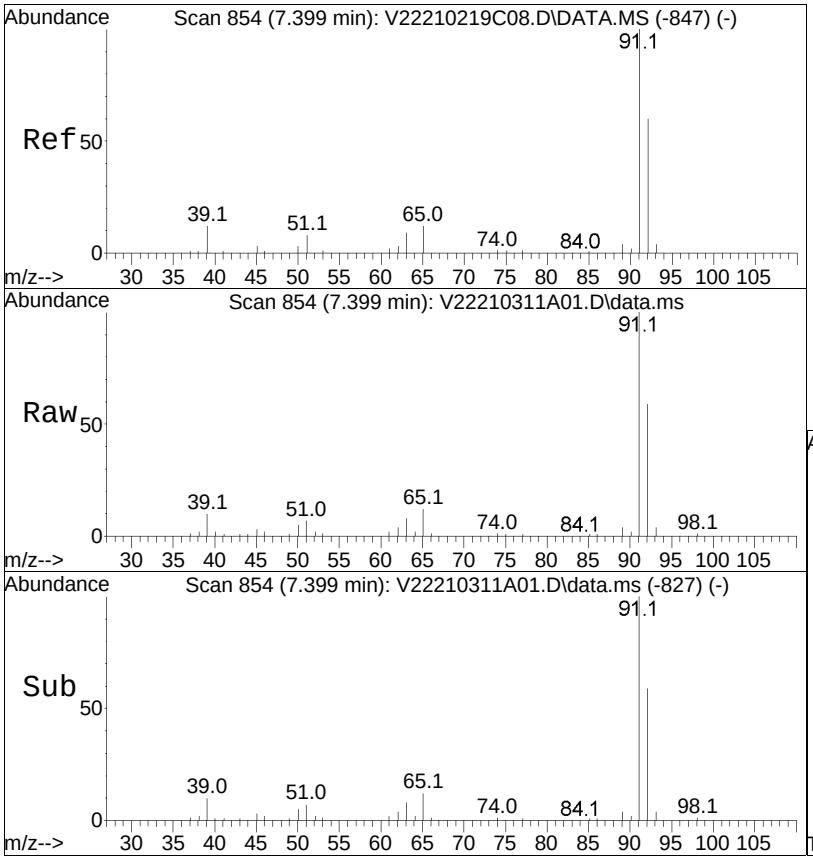


#61
cis-1,3-Dichloropropene
Concen: 7.88 ug/L
RT: 7.134 min Scan# 818
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 75 Resp: 77406

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.6	38.4
39	53.8	35.4	53.0#

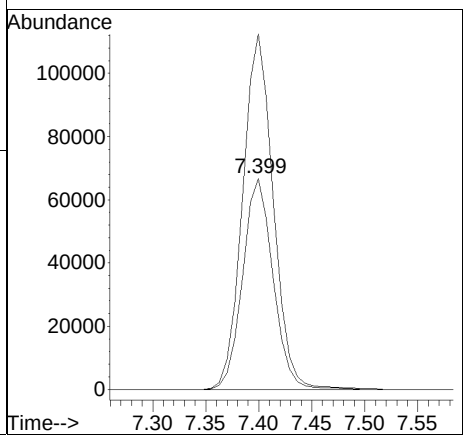


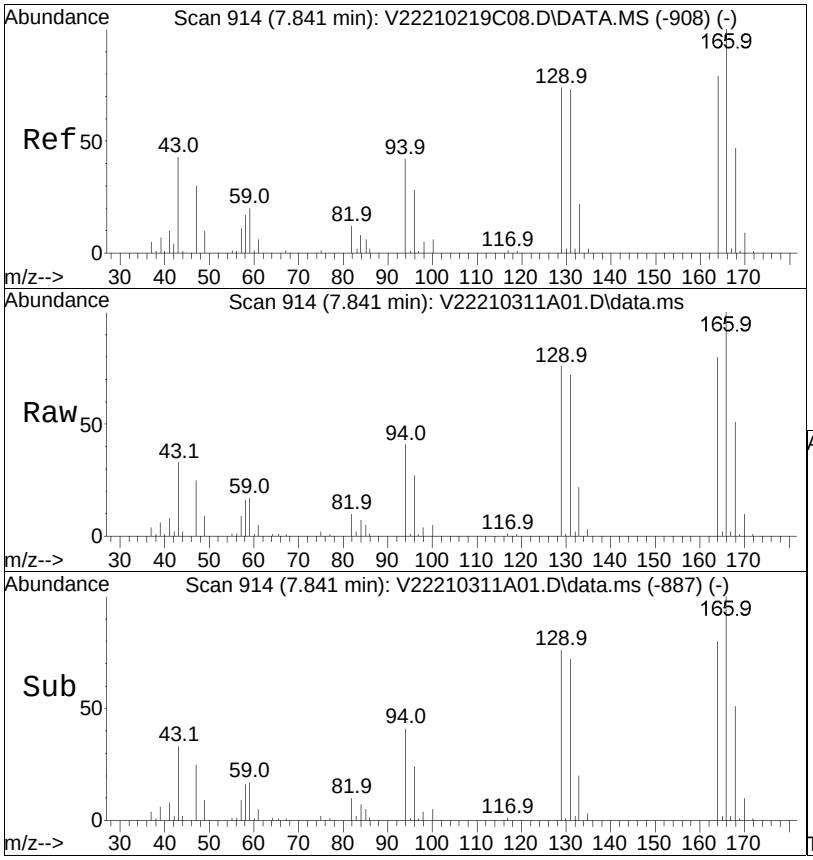


#64
Toluene
Concen: 9.38 ug/L
RT: 7.399 min Scan# 854
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 92 Resp: 132895

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.0	205.6

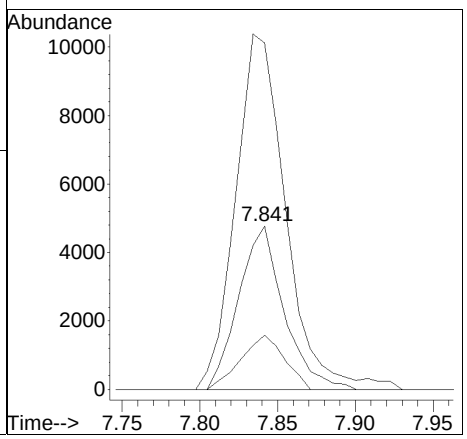


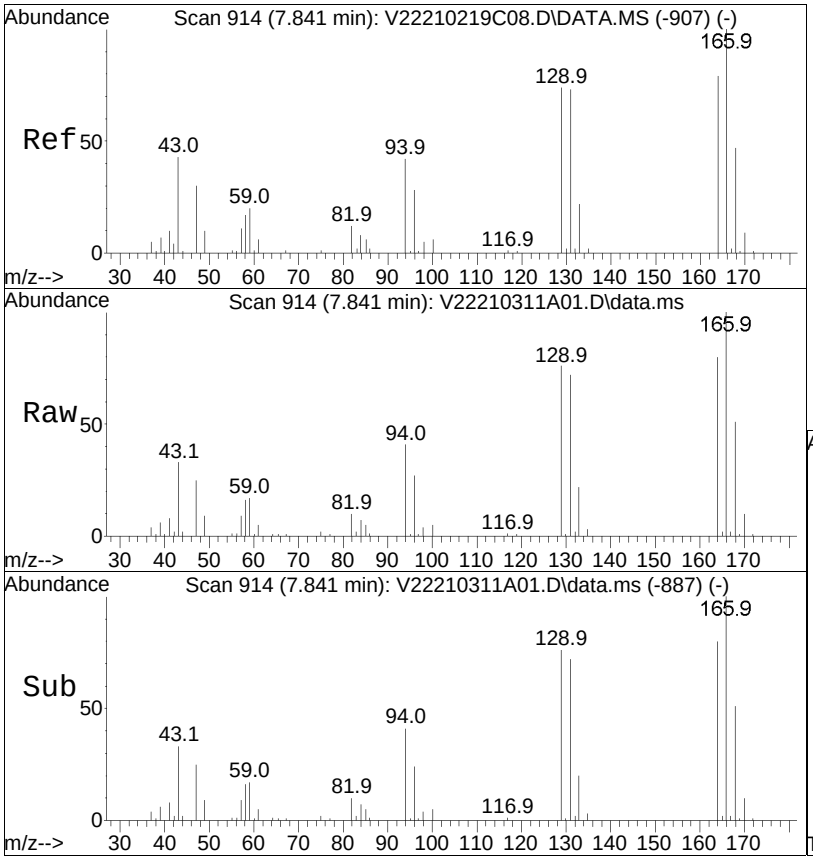


#65
4-Methyl-2-pentanone
Concen: 6.71 ug/L
RT: 7.841 min Scan# 914
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 58 Resp: 9651

Ion	Ratio	Lower	Upper
58	100		
100	32.0	36.2	54.4#
43	241.4	181.8	272.8

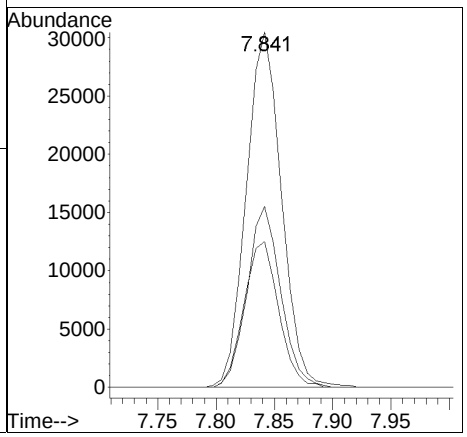


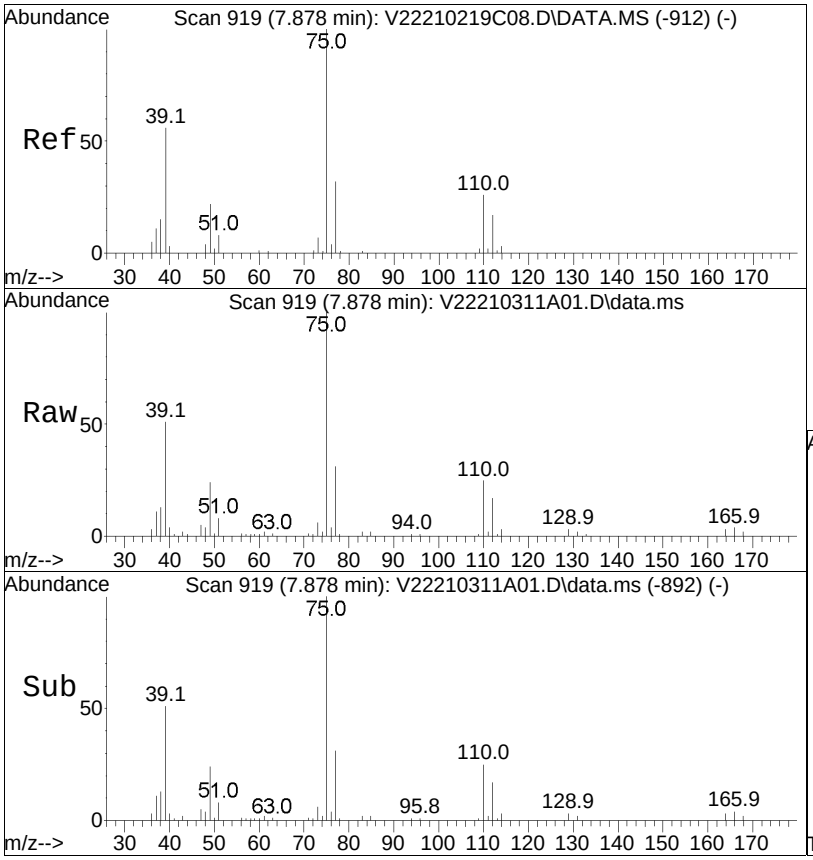


#66
Tetrachloroethene
Concen: 9.28 ug/L
RT: 7.841 min Scan# 914
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:166 Resp: 64095

Ion	Ratio	Lower	Upper
166	100		
168	48.6	27.8	67.8
94	40.4	16.7	56.7

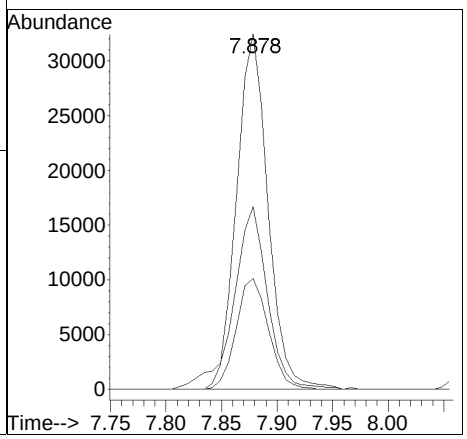


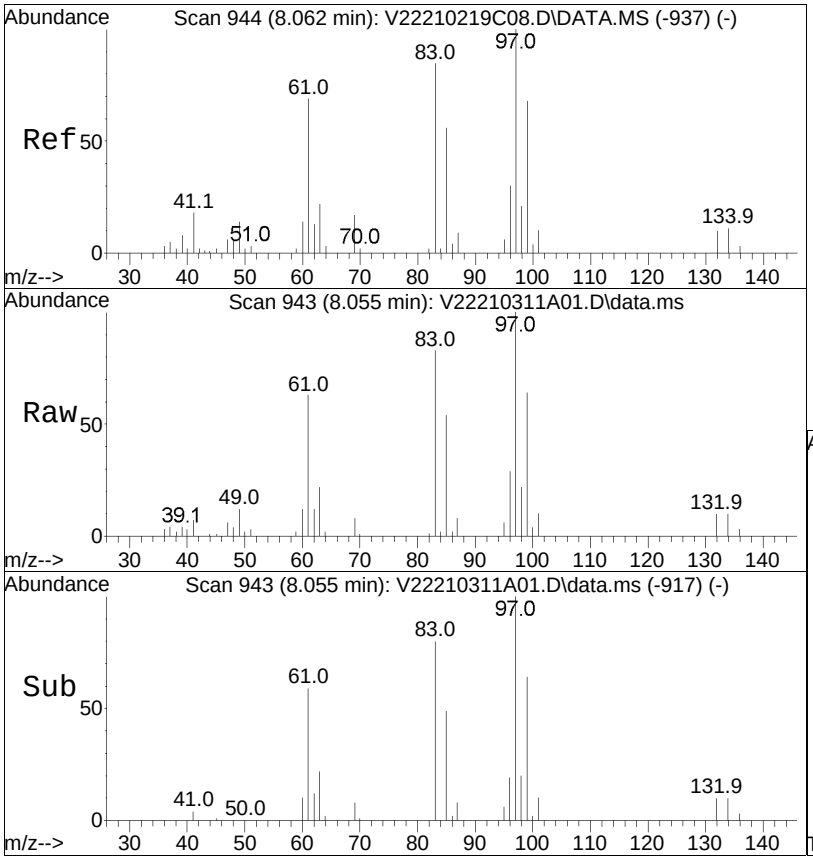


#68
trans-1,3-Dichloropropene
Concen: 8.98 ug/L
RT: 7.878 min Scan# 919
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 75 Resp: 63938

Ion	Ratio	Lower	Upper
75	100		
77	32.1	11.9	51.9
39	55.6	27.4	67.4

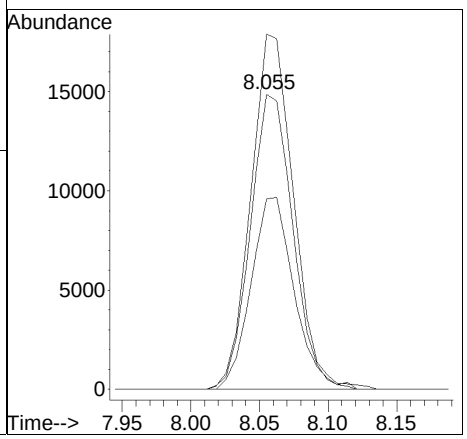


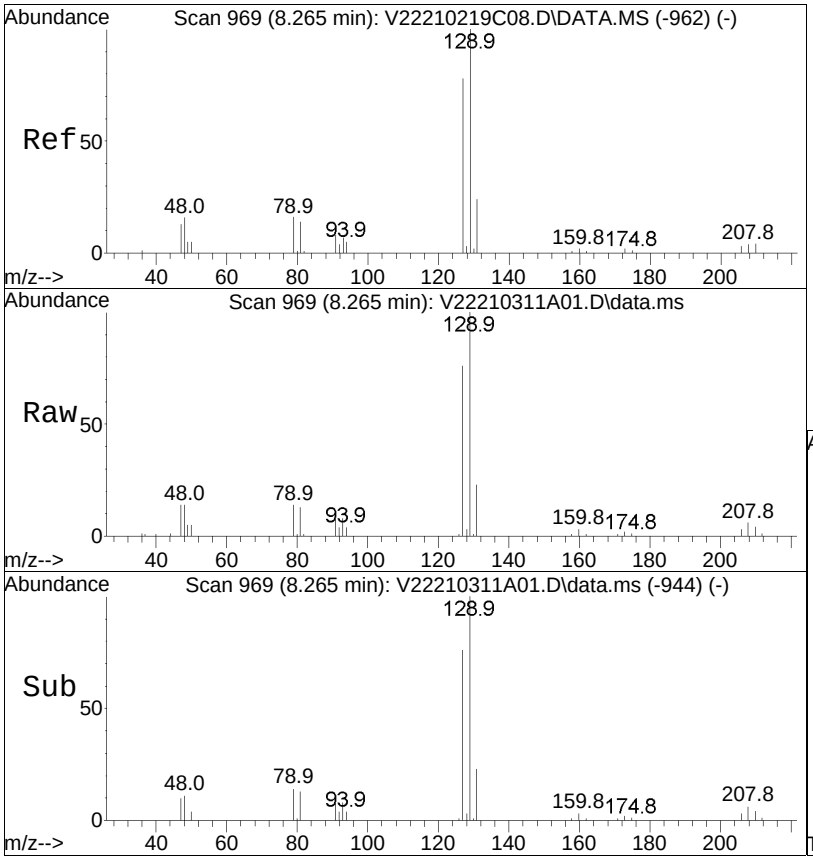


#71
1,1,2-Trichloroethane
Concen: 8.63 ug/L
RT: 8.055 min Scan# 943
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 83 Resp: 32115

Ion	Ratio	Lower	Upper
83	100		
97	120.6	103.4	143.4
85	65.8	47.9	87.9

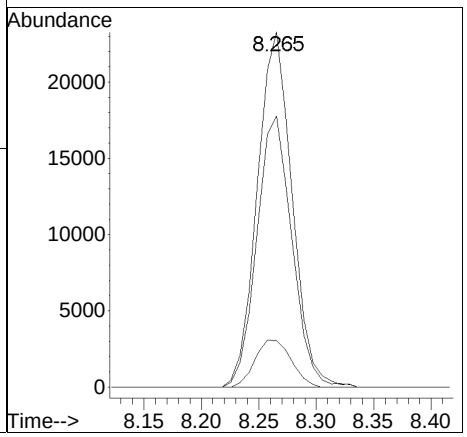


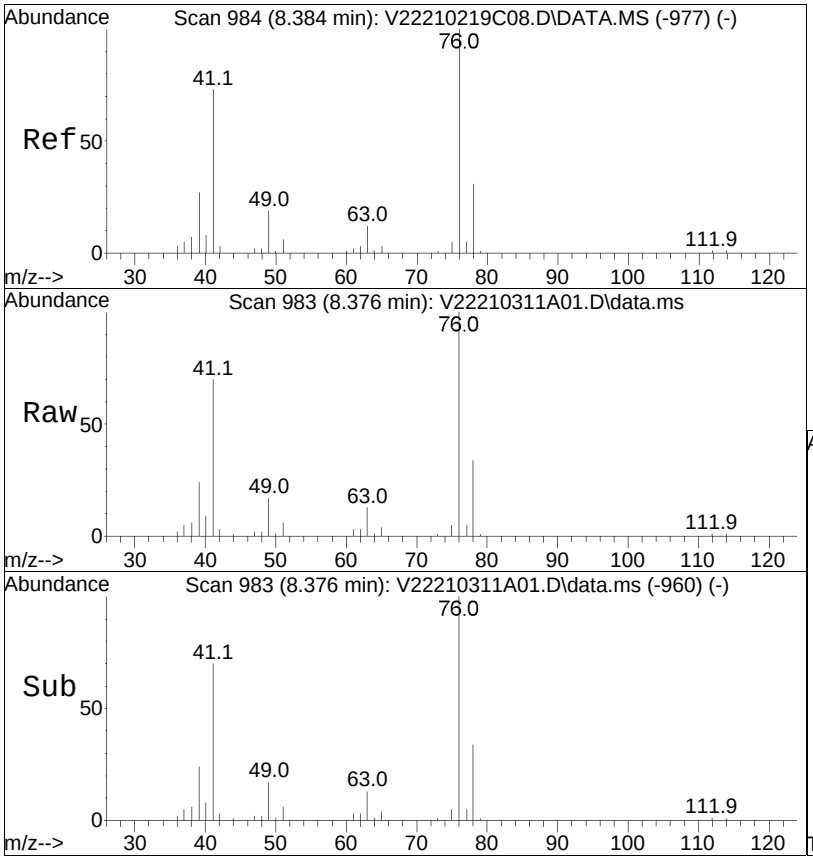


#72
Chlorodibromomethane
Concen: 8.63 ug/L
RT: 8.265 min Scan# 969
Delta R.T. 0.000 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:129 Resp: 54444

Ion	Ratio	Lower	Upper
129	100		
81	12.6	0.0	33.8
127	77.2	57.1	97.1

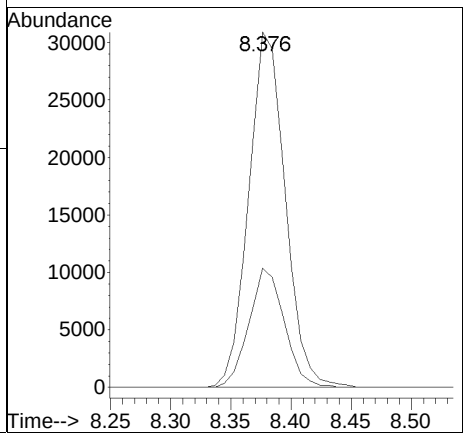


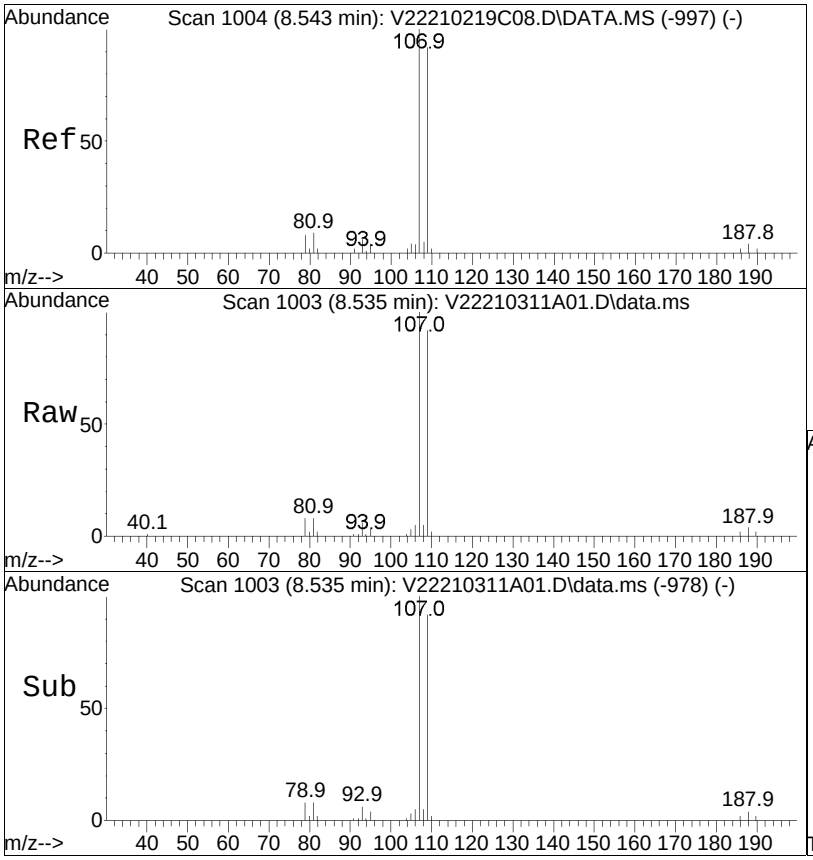


#73
1,3-Dichloropropane
Concen: 9.51 ug/L
RT: 8.376 min Scan# 983
Delta R.T. -0.007 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 76 Resp: 65249

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

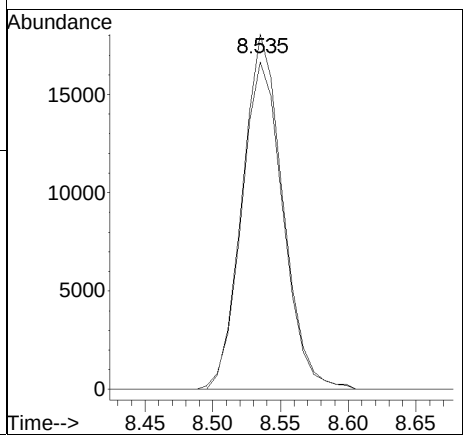


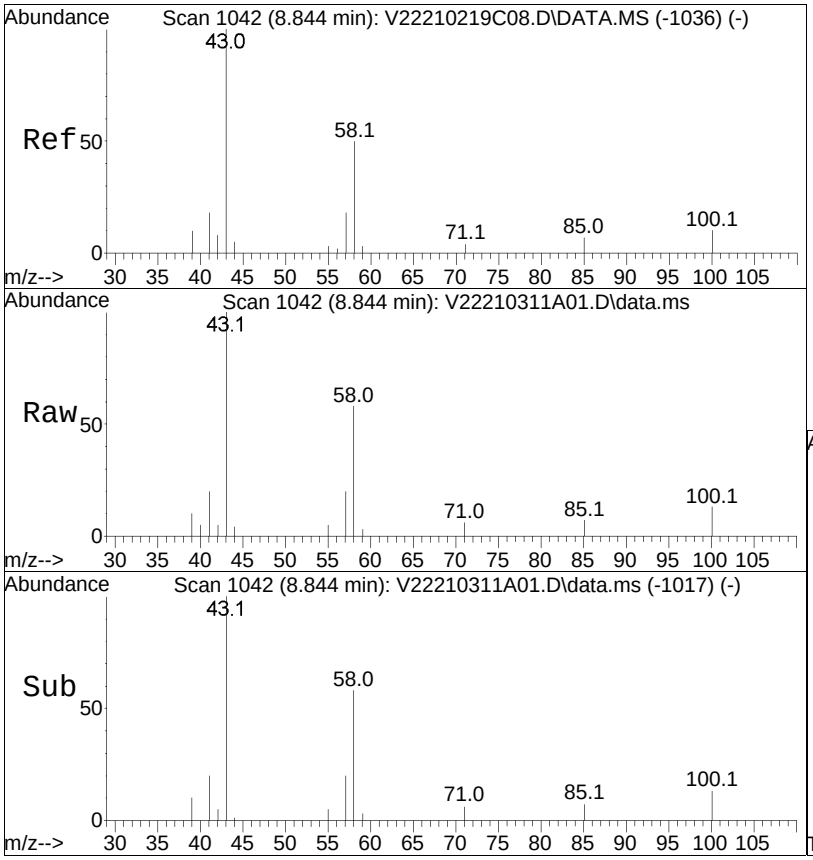


#74
1,2-Dibromoethane
Concen: 8.52 ug/L
RT: 8.535 min Scan# 1003
Delta R.T. -0.004 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:107 Resp: 37581

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.1	112.7

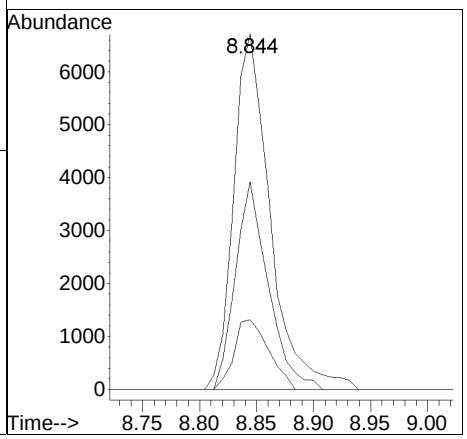


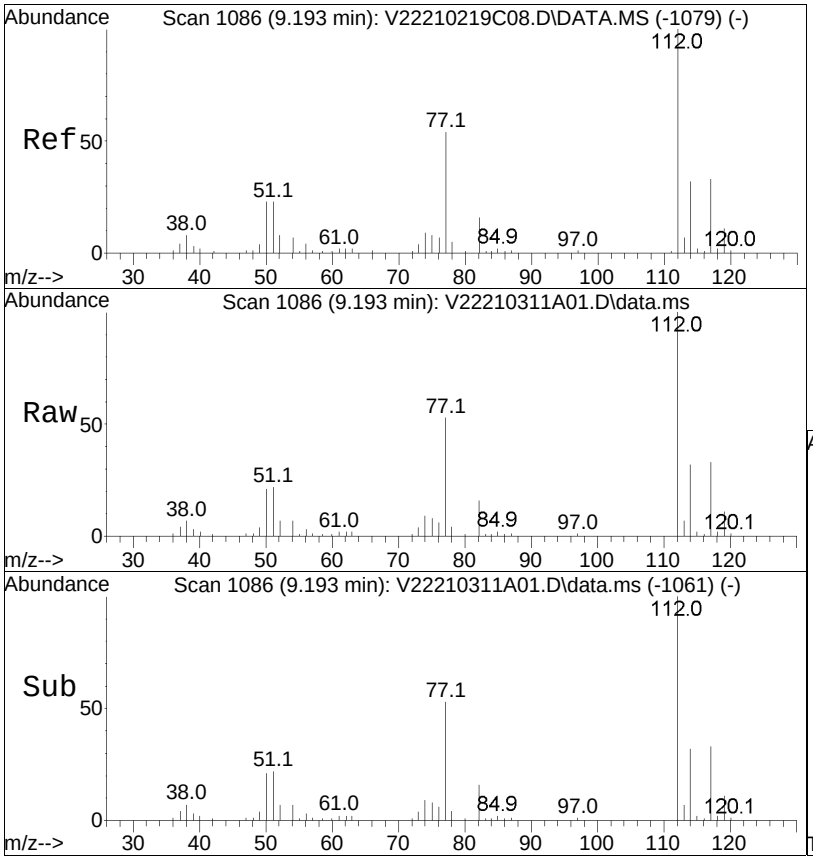


#76
2-Hexanone
Concen: 6.05 ug/L
RT: 8.844 min Scan# 1042
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 43 Resp: 15028

Ion	Ratio	Lower	Upper
43	100		
58	52.2	47.6	71.4
57	18.5	16.6	24.8

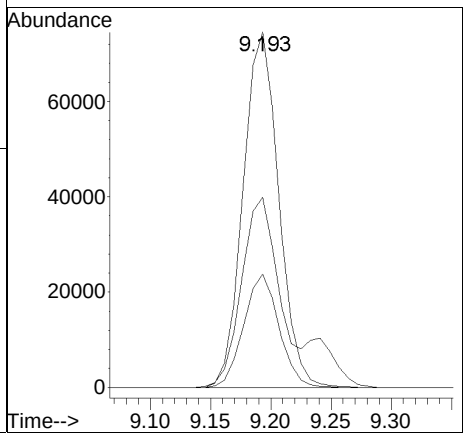


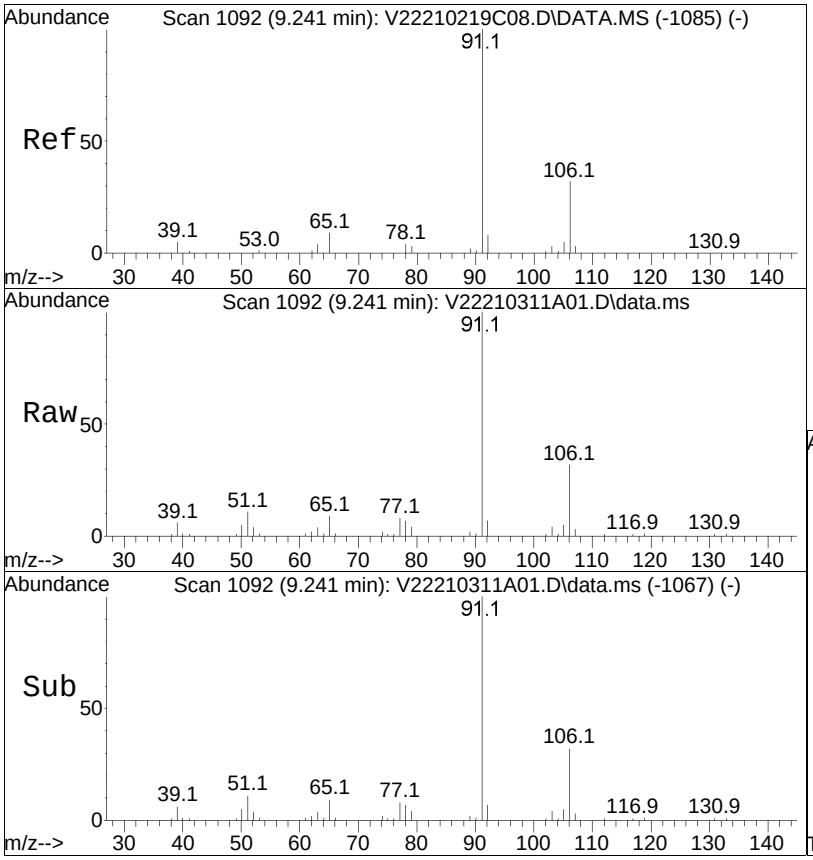


#77
Chlorobenzene
Concen: 9.26 ug/L
RT: 9.193 min Scan# 1086
Delta R.T. -0.004 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:112 Resp: 153258

Ion	Ratio	Lower	Upper
112	100		
77	56.7	55.4	83.0
114	31.6	26.2	39.4

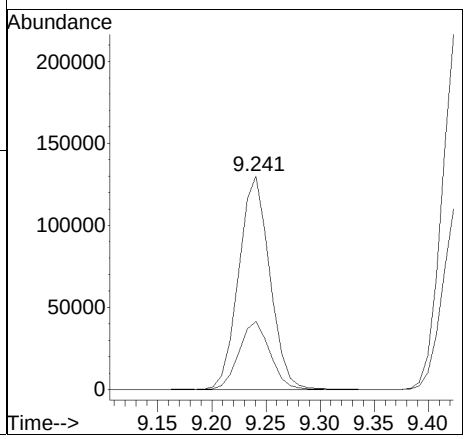


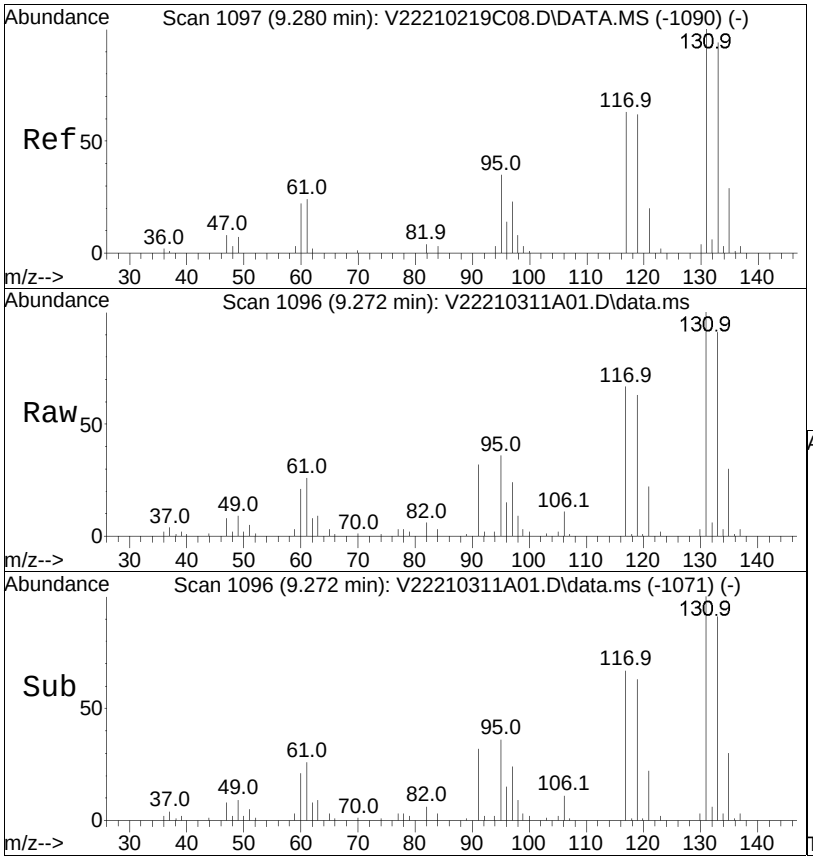


#78
Ethylbenzene
Concen: 9.57 ug/L
RT: 9.241 min Scan# 1092
Delta R.T. -0.003 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 91 Resp: 258693

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.8	38.6

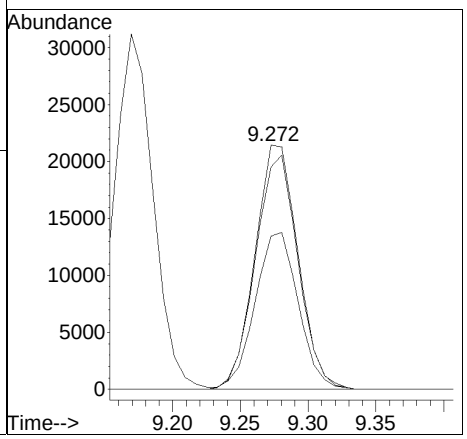


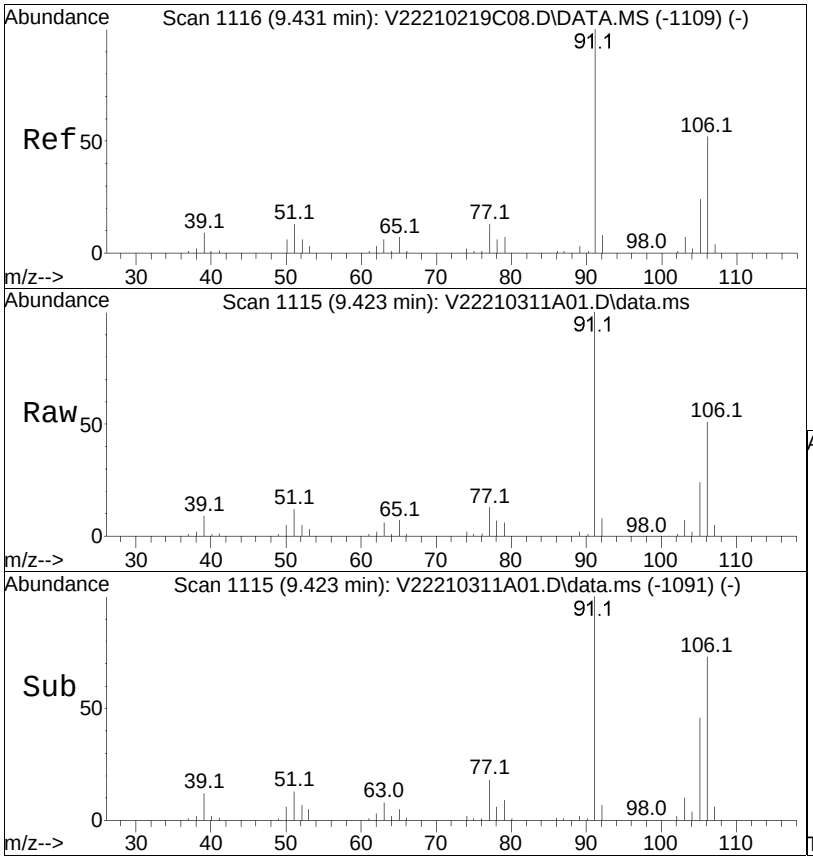


#79
1,1,1,2-Tetrachloroethane
Concen: 8.67 ug/L
RT: 9.272 min Scan# 1096
Delta R.T. -0.004 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:131 Resp: 47626

Ion	Ratio	Lower	Upper
131	100		
133	94.9	75.3	115.3
119	64.4	49.3	89.3

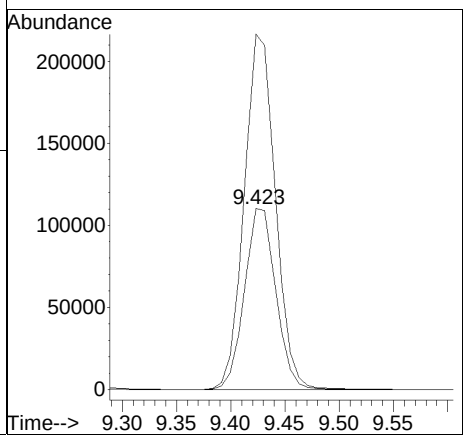


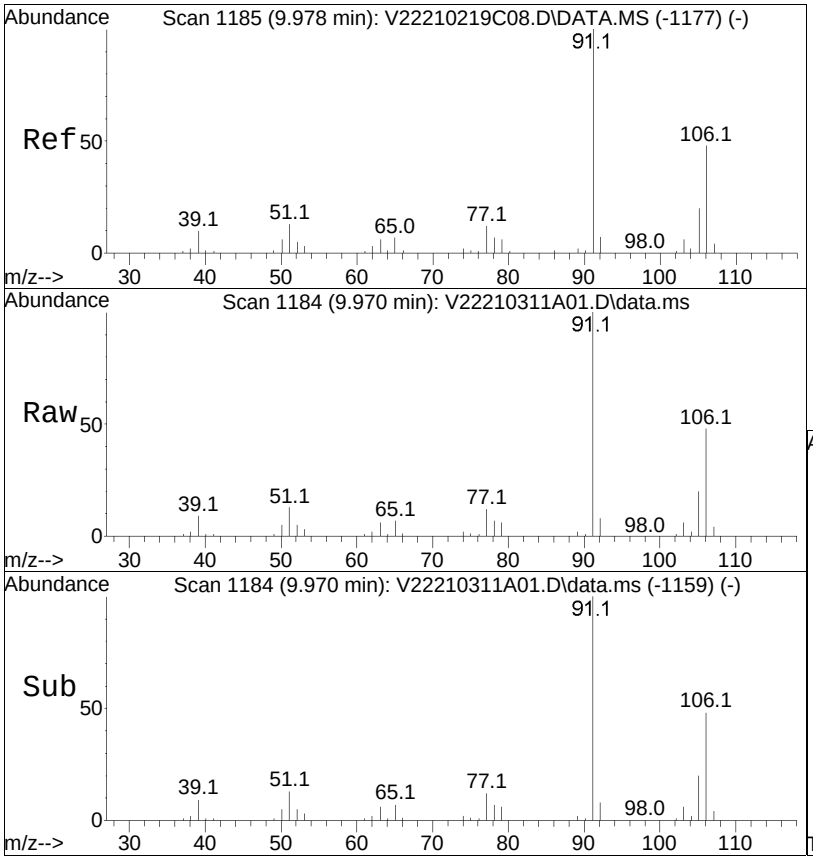


#80
p/m Xylene
Concen: 20.43 ug/L
RT: 9.423 min Scan# 1115
Delta R.T. -0.009 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:106 Resp: 221582

Ion	Ratio	Lower	Upper
106	100		
91	195.3	156.0	234.0

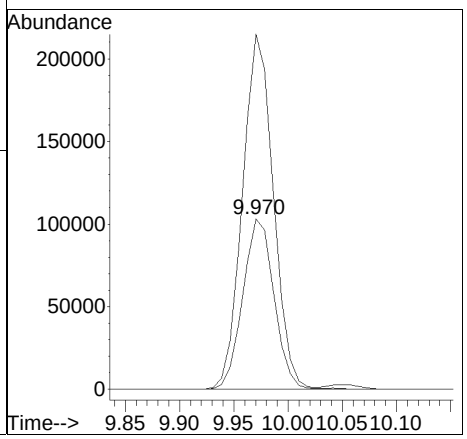


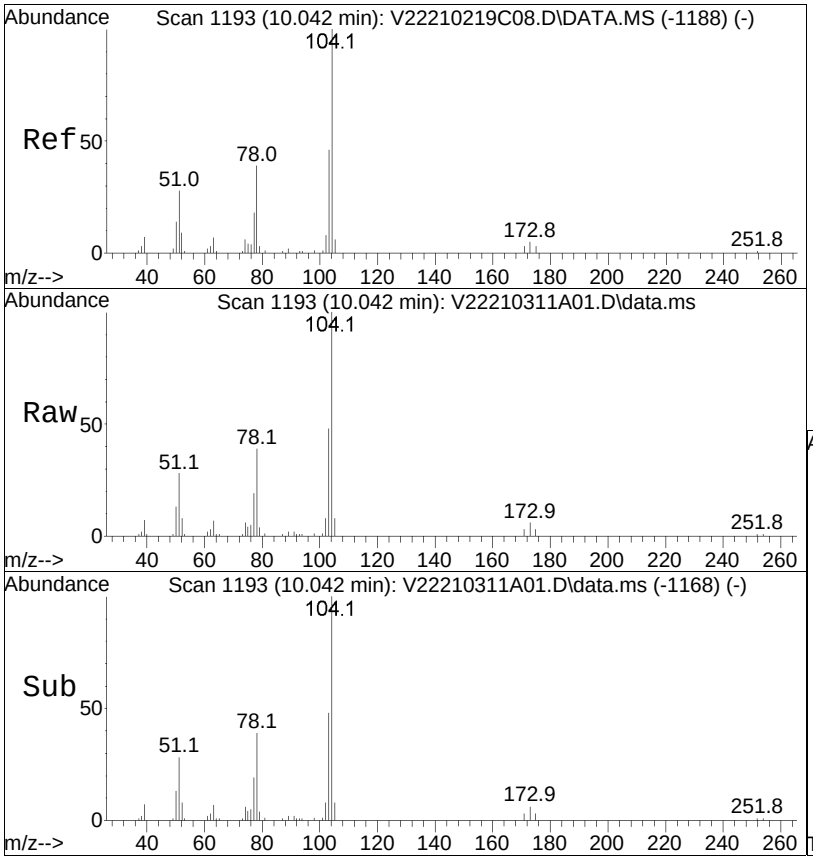


#81
o Xylene
Concen: 21.03 ug/L
RT: 9.970 min Scan# 1184
Delta R.T. -0.003 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:106 Resp: 207271

Ion	Ratio	Lower	Upper
106	100		
91	205.4	164.0	246.0

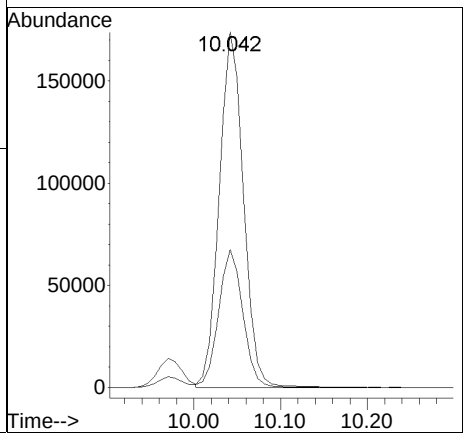


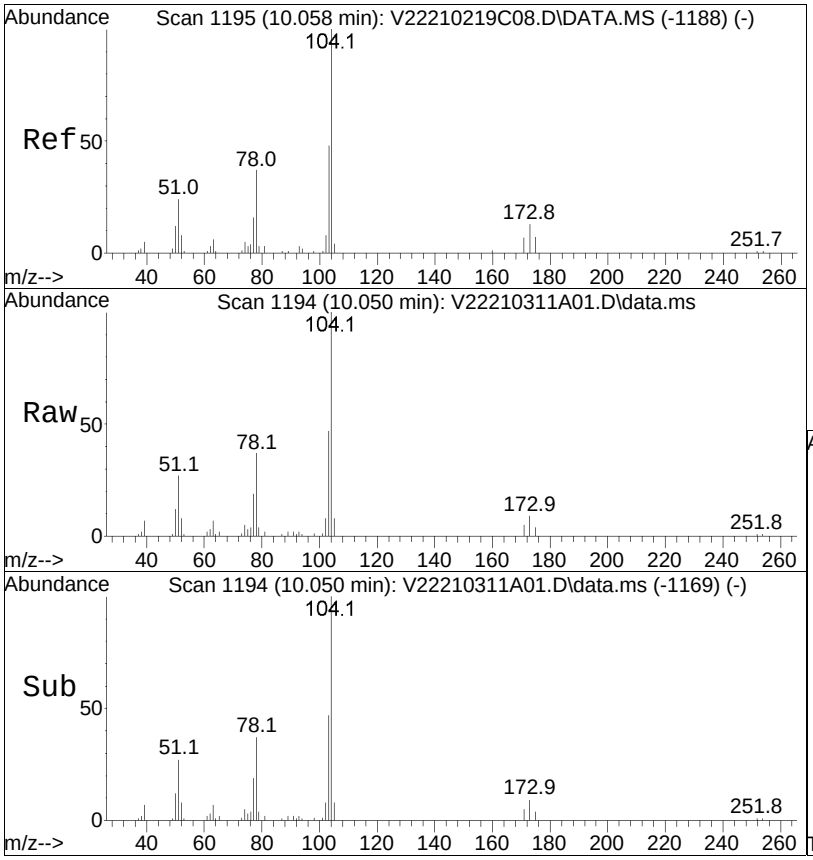


#82
Styrene
Concen: 21.39 ug/L
RT: 10.042 min Scan# 1193
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:104 Resp: 337292

Ion	Ratio	Lower	Upper
104	100		
78	38.9	32.1	48.1

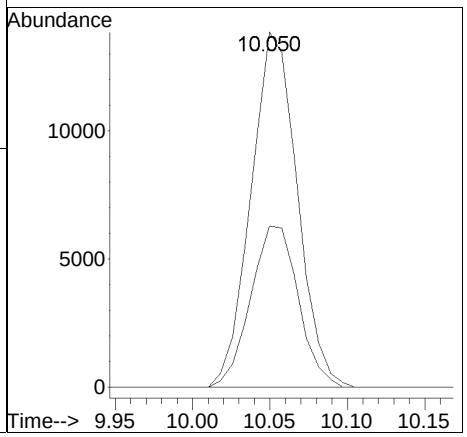


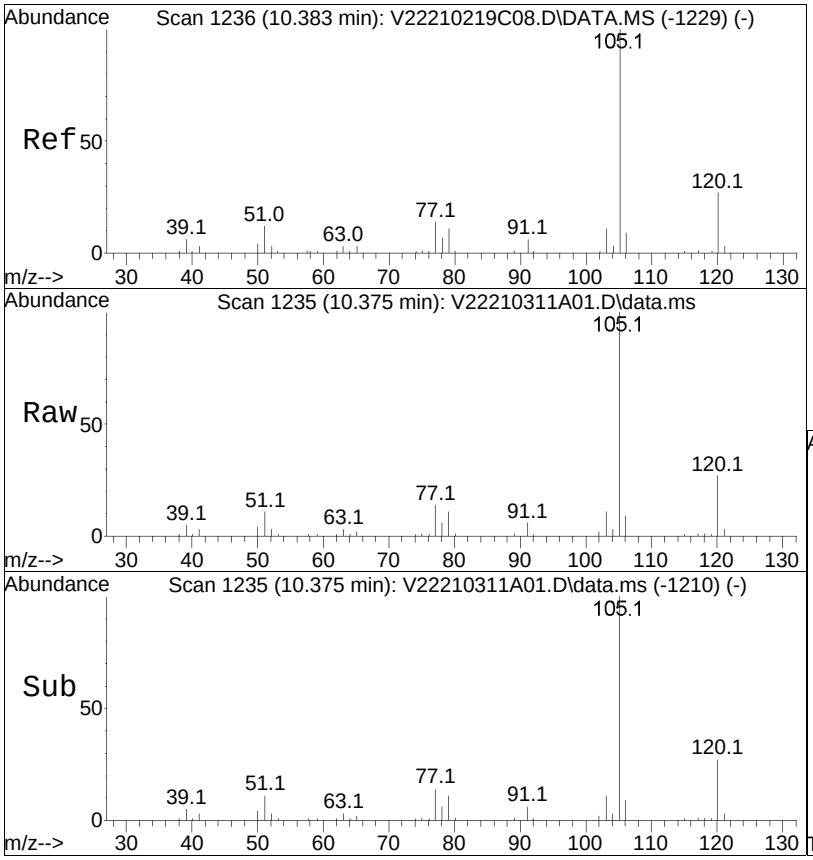


#84
Bromoform
Concen: 8.21 ug/L
RT: 10.050 min Scan# 1194
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:173 Resp: 28861

Ion	Ratio	Lower	Upper
173	100		
175	46.8	29.3	69.3

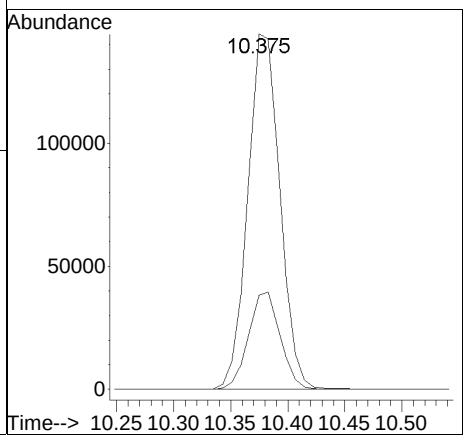


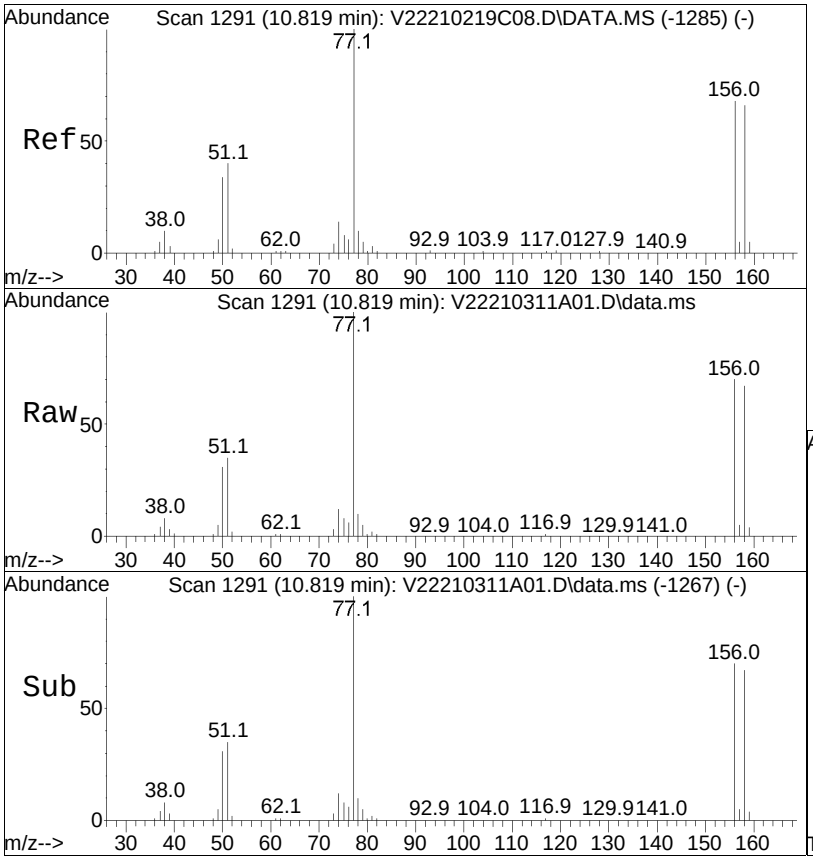


#86
Isopropylbenzene
Concen: 9.19 ug/L
RT: 10.375 min Scan# 1235
Delta R.T. -0.005 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:105 Resp: 283313

Ion	Ratio	Lower	Upper
105	100		
120	27.0	7.7	47.7

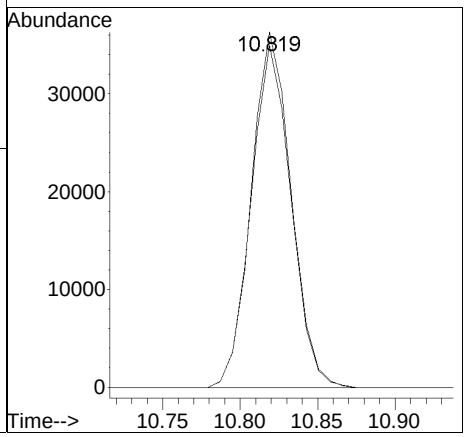


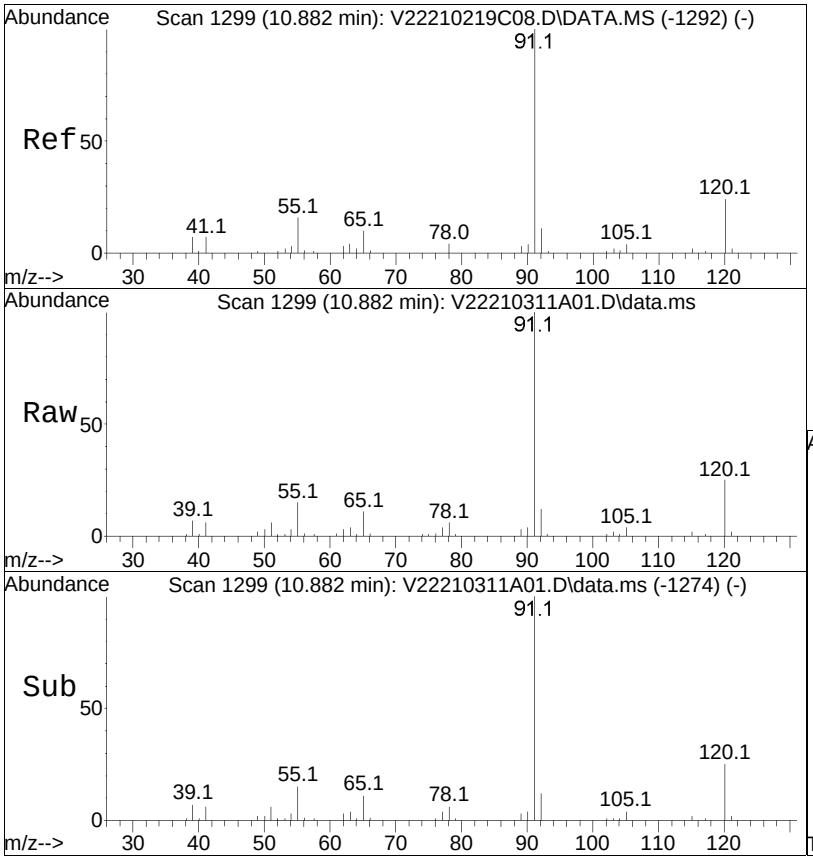


#88
Bromobenzene
Concen: 8.85 ug/L
RT: 10.819 min Scan# 1291
Delta R.T. -0.007 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:156 Resp: 64916

Ion	Ratio	Lower	Upper
156	100		
158	96.3	77.9	116.9

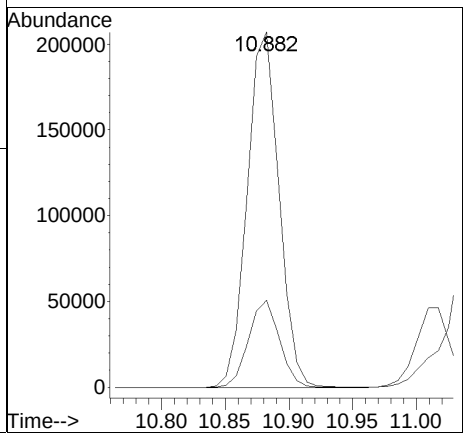


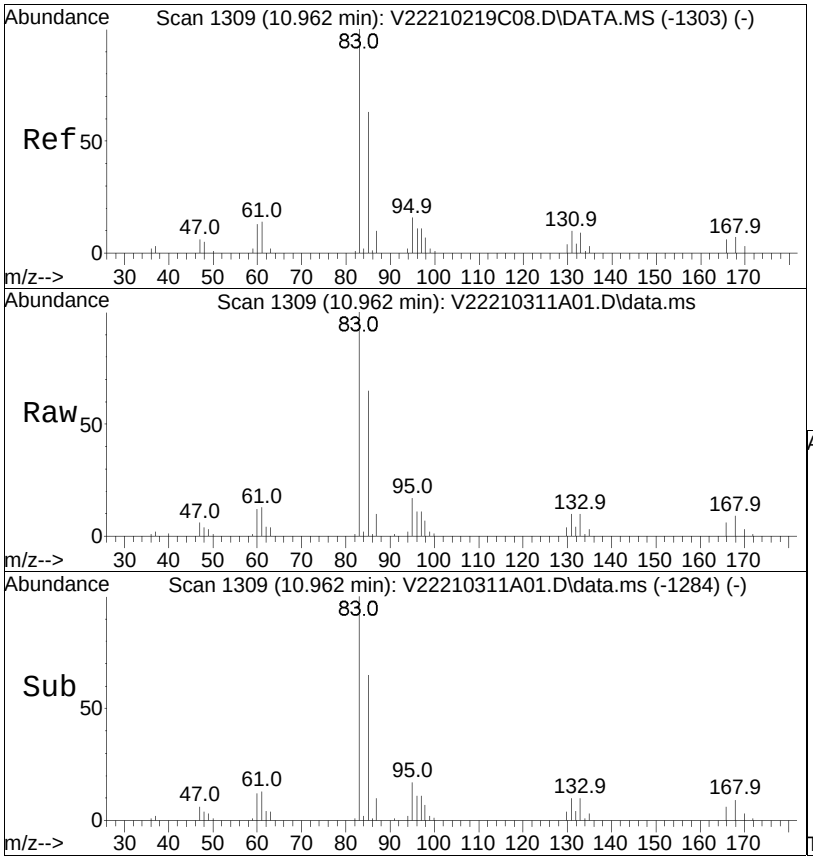


#89
n-Propylbenzene
Concen: 9.68 ug/L
RT: 10.882 min Scan# 1299
Delta R.T. 0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 91 Resp: 359397

Ion	Ratio	Lower	Upper
91	100		
120	23.8	19.5	29.3

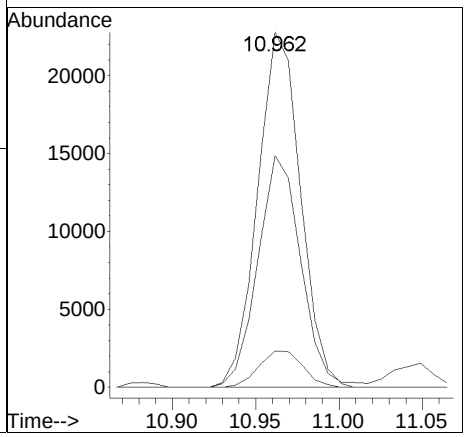


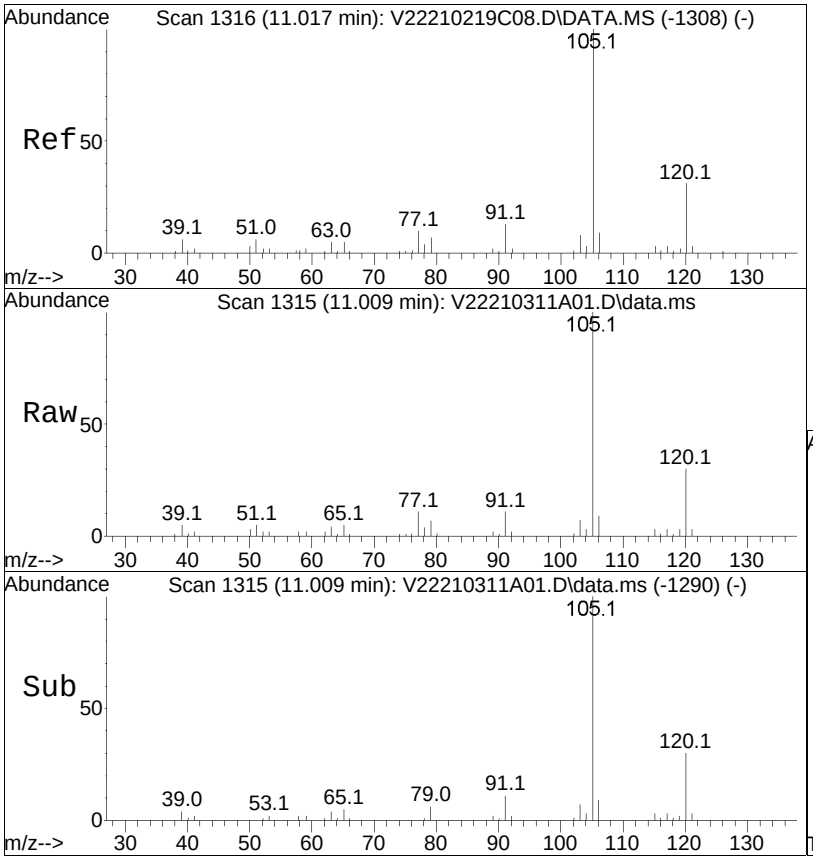


#91
1,1,2,2-Tetrachloroethane
Concen: 7.83 ug/L
RT: 10.962 min Scan# 1309
Delta R.T. -0.005 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 83 Resp: 40764

Ion	Ratio	Lower	Upper
83	100		
131	10.6	0.0	30.8
85	65.8	45.4	85.4

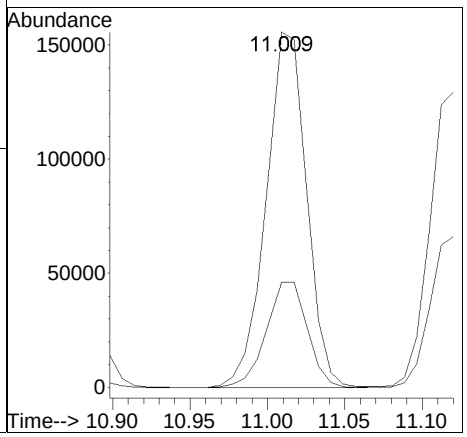


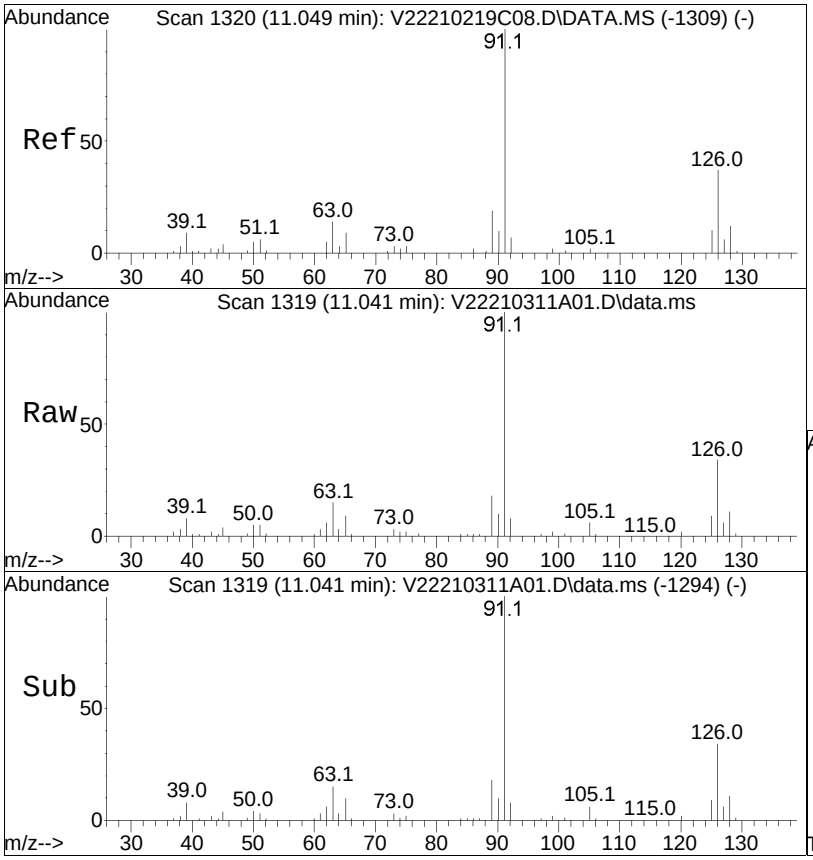


#92
4-Ethyltoluene
Concen: 9.67 ug/L
RT: 11.009 min Scan# 1315
Delta R.T. -0.005 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:105 Resp: 283053

Ion	Ratio	Lower	Upper
105	100		
120	30.1	19.8	41.0

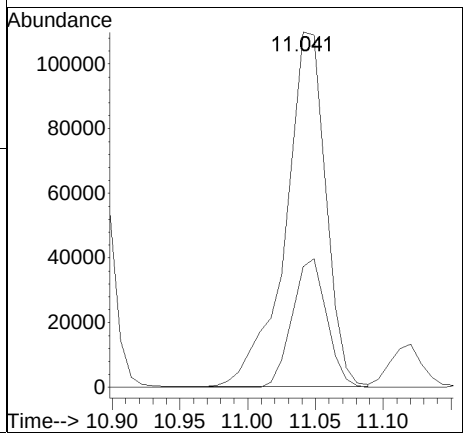


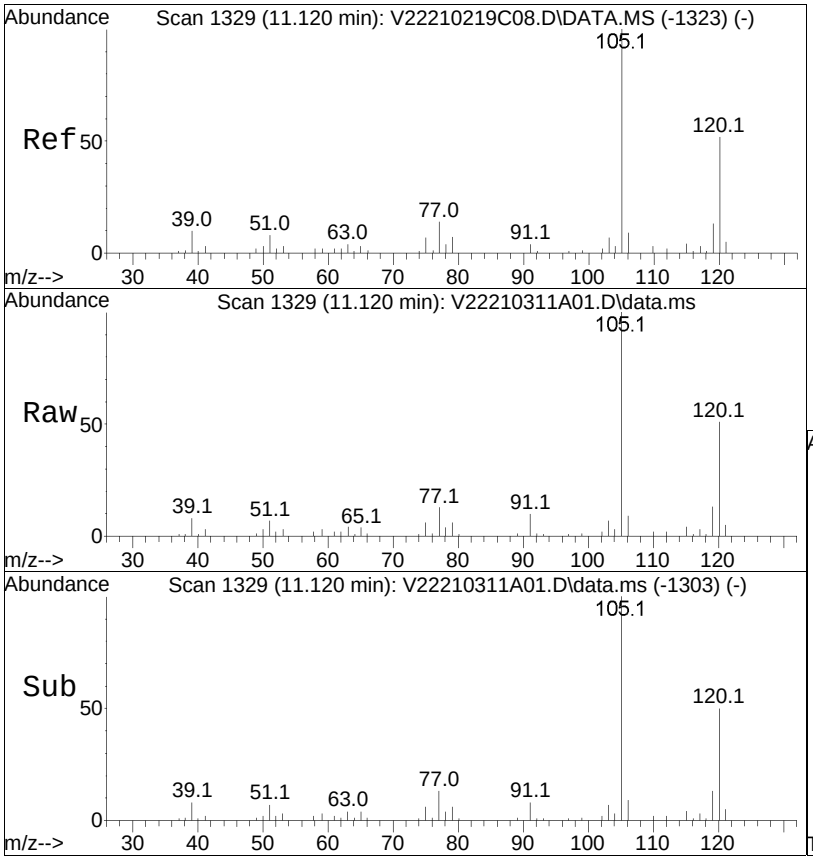


#93
2-Chlorotoluene
Concen: 9.35 ug/L
RT: 11.041 min Scan# 1319
Delta R.T. -0.005 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 91 Resp: 227848

Ion	Ratio	Lower	Upper
91	100		
126	30.9	24.6	37.0

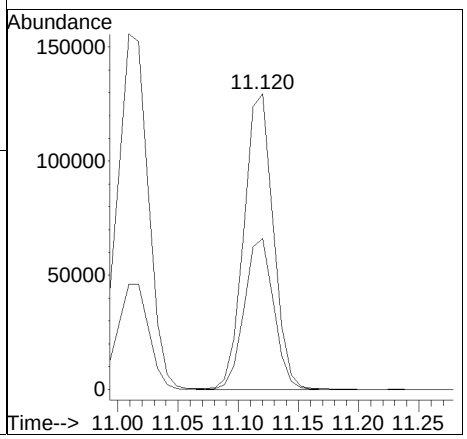


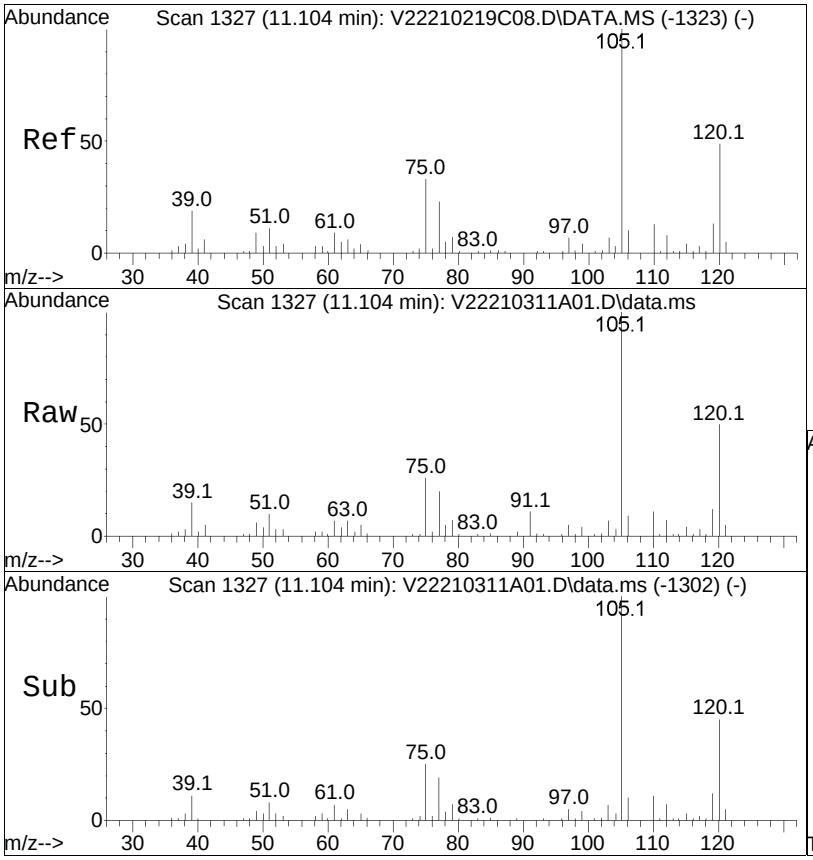


#94
1,3,5-Trimethylbenzene
Concen: 8.93 ug/L
RT: 11.120 min Scan# 1329
Delta R.T. 0.004 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:105 Resp: 220357

Ion	Ratio	Lower	Upper
105	100		
120	51.0	40.9	61.3

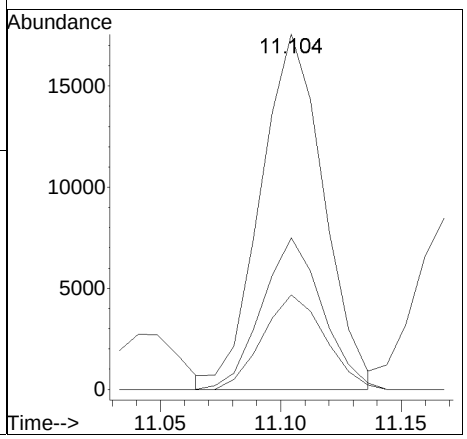


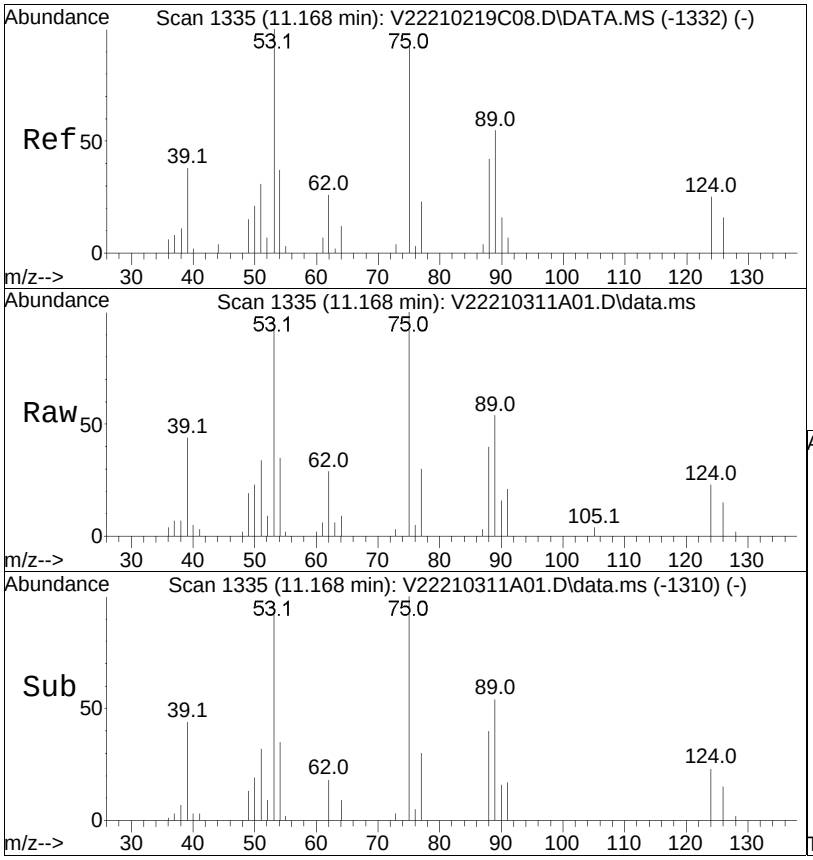


#95
1,2,3-Trichloropropane
Concen: 7.58 ug/L
RT: 11.104 min Scan# 1327
Delta R.T. -0.004 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 75 Resp: 32084

Ion	Ratio	Lower	Upper
75	100		
110	40.7	26.3	54.7
112	26.1	16.8	35.0

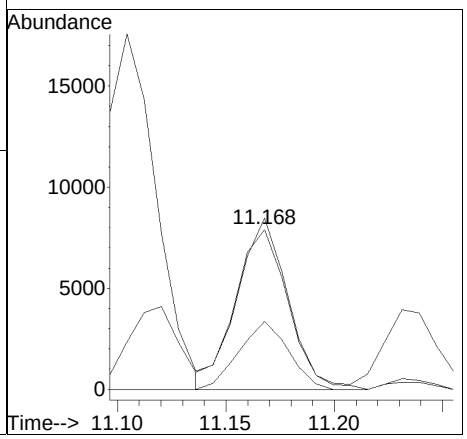


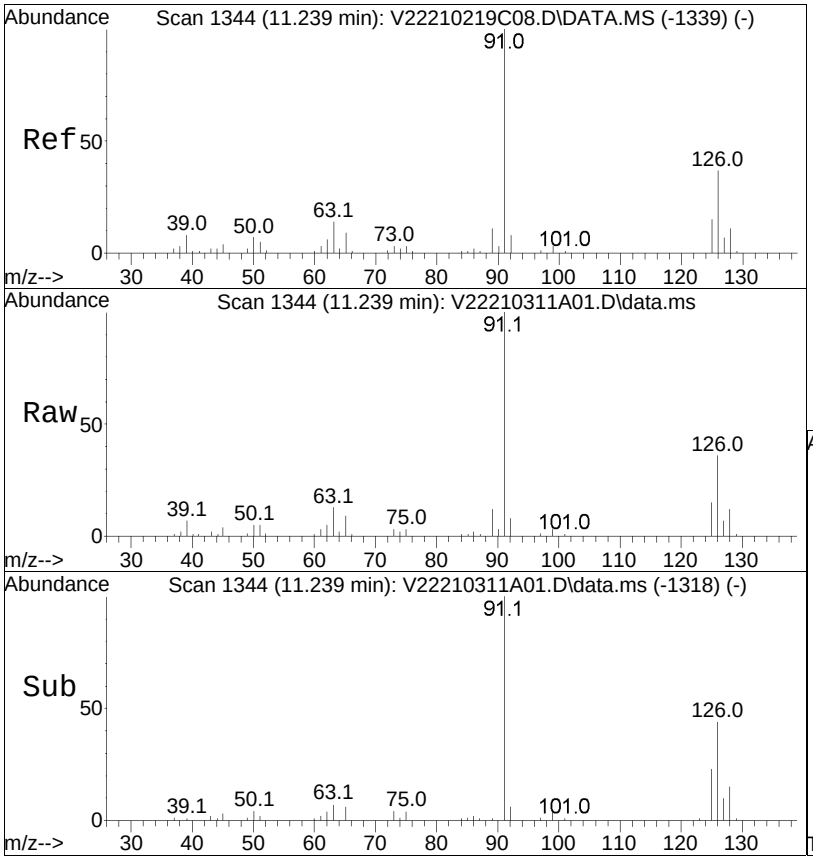


#96
trans-1,4-Dichloro-2-butene
Concen: 7.61 ug/L
RT: 11.168 min Scan# 1335
Delta R.T. -0.003 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 53 Resp: 13466

Ion	Ratio	Lower	Upper
53	100		
88	39.7	46.3	69.5#
75	102.8	109.0	163.4#

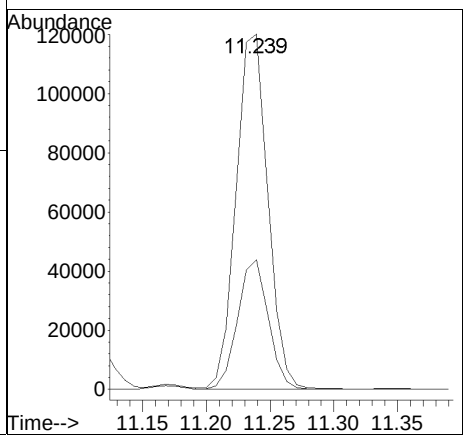


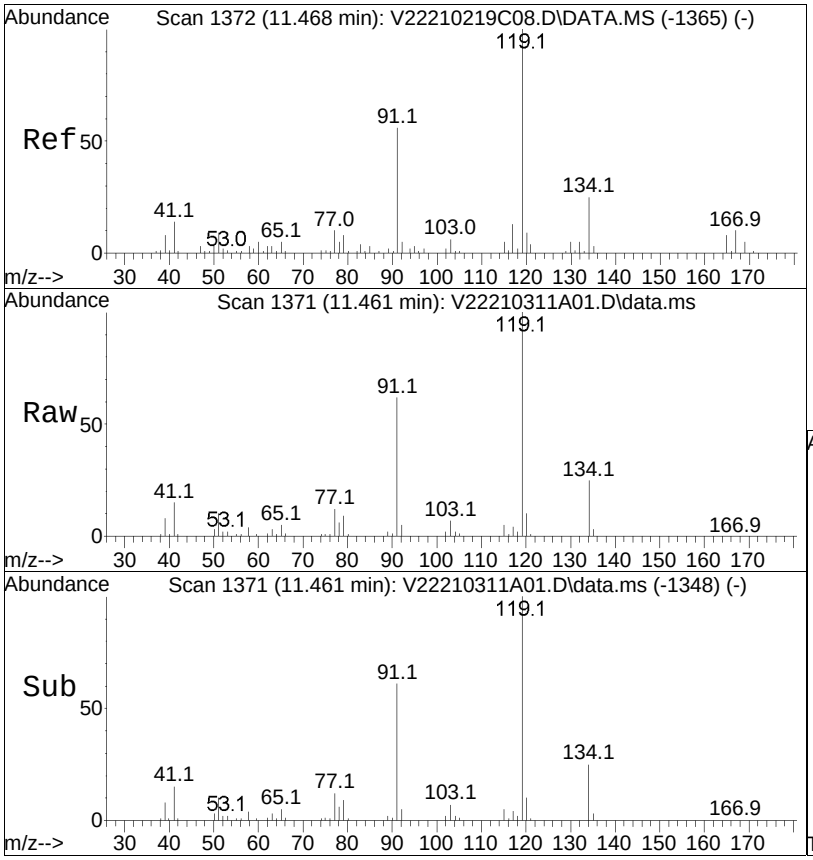


#97
4-Chlorotoluene
Concen: 9.42 ug/L
RT: 11.239 min Scan# 1344
Delta R.T. 0.005 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 91 Resp: 207557

Ion	Ratio	Lower	Upper
91	100		
126	35.4	28.5	42.7

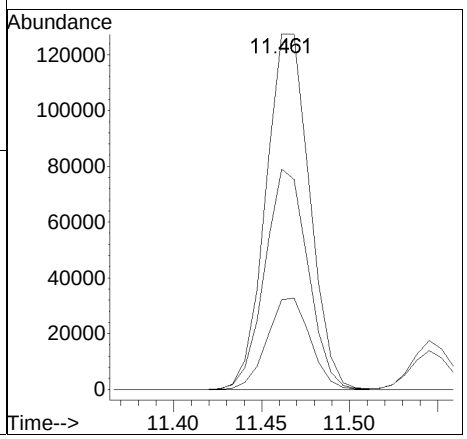


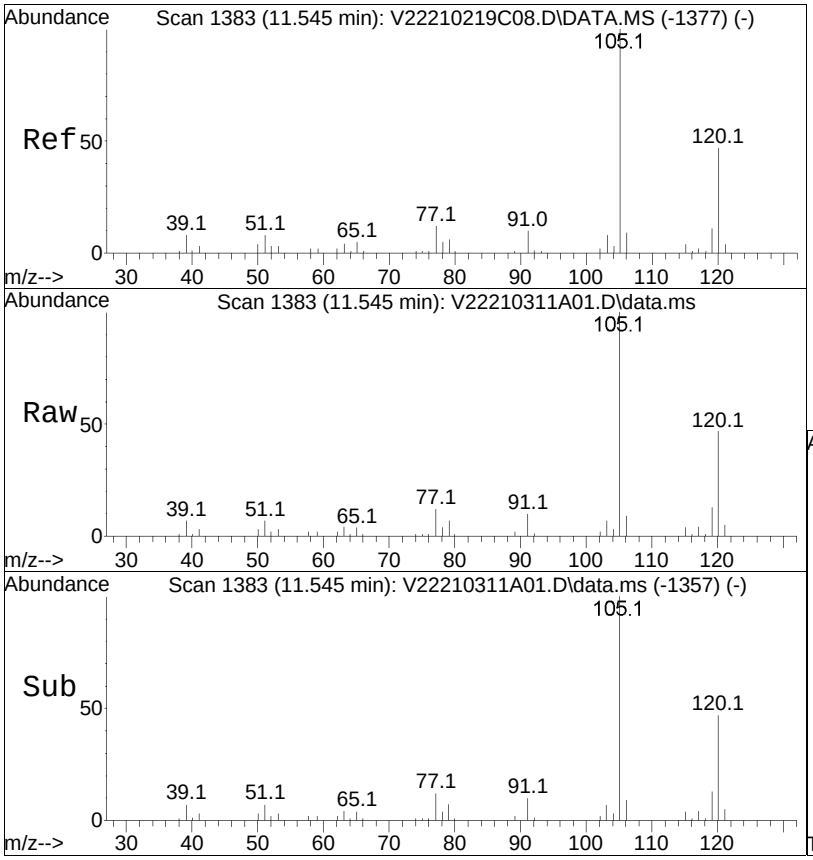


#98
tert-Butylbenzene
Concen: 8.49 ug/L
RT: 11.461 min Scan# 1371
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:119 Resp: 219907

Ion	Ratio	Lower	Upper
119	100		
91	61.1	50.2	75.4
134	25.2	20.8	31.2

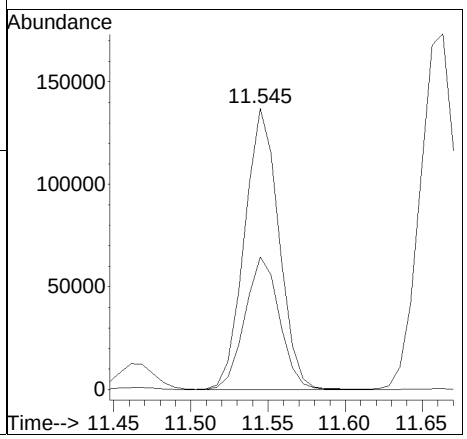


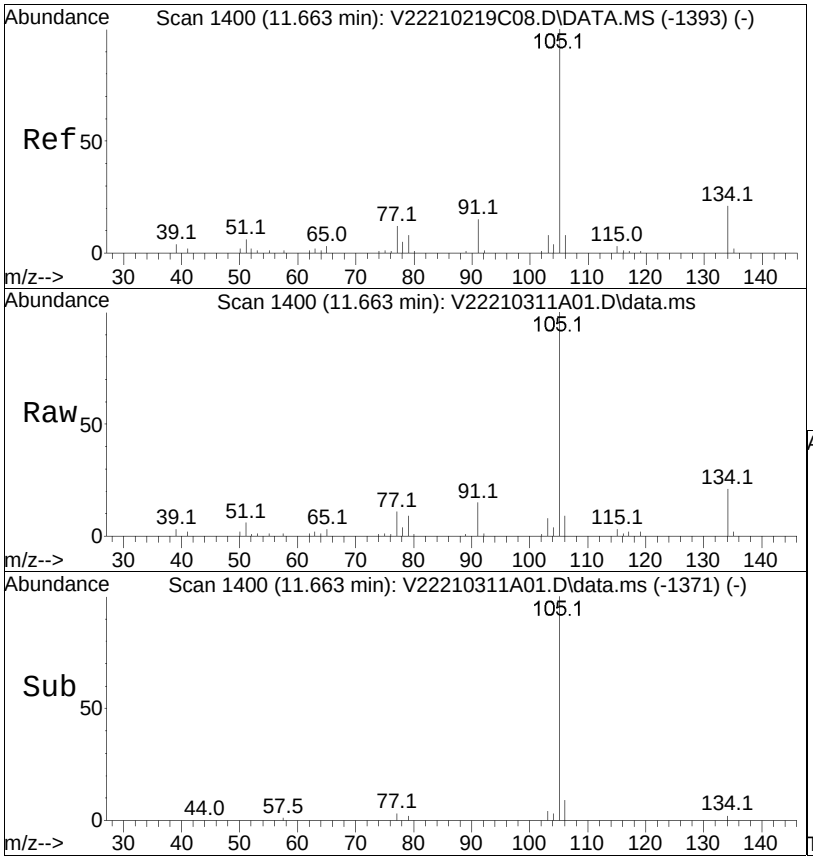


#101
1,2,4-Trimethylbenzene
Concen: 8.87 ug/L
RT: 11.545 min Scan# 1383
Delta R.T. -0.000 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:105 Resp: 212333

Ion	Ratio	Lower	Upper
105	100		
120	47.3	38.5	57.7

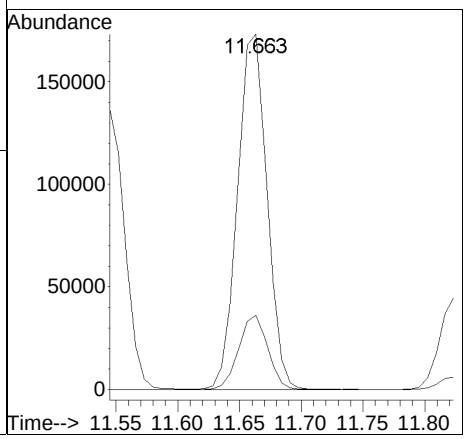


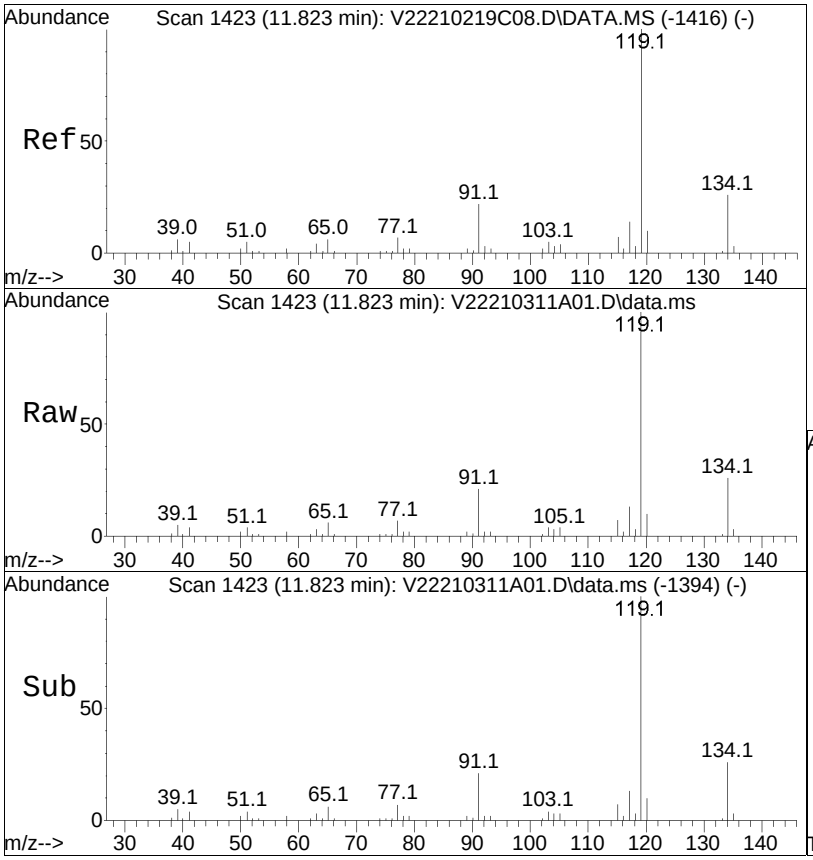


#102
sec-Butylbenzene
Concen: 9.95 ug/L
RT: 11.663 min Scan# 1400
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:105 Resp: 288220

Ion	Ratio	Lower	Upper
105	100		
134	20.4	13.9	28.9

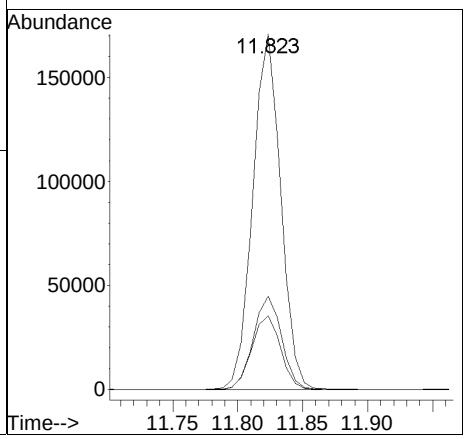


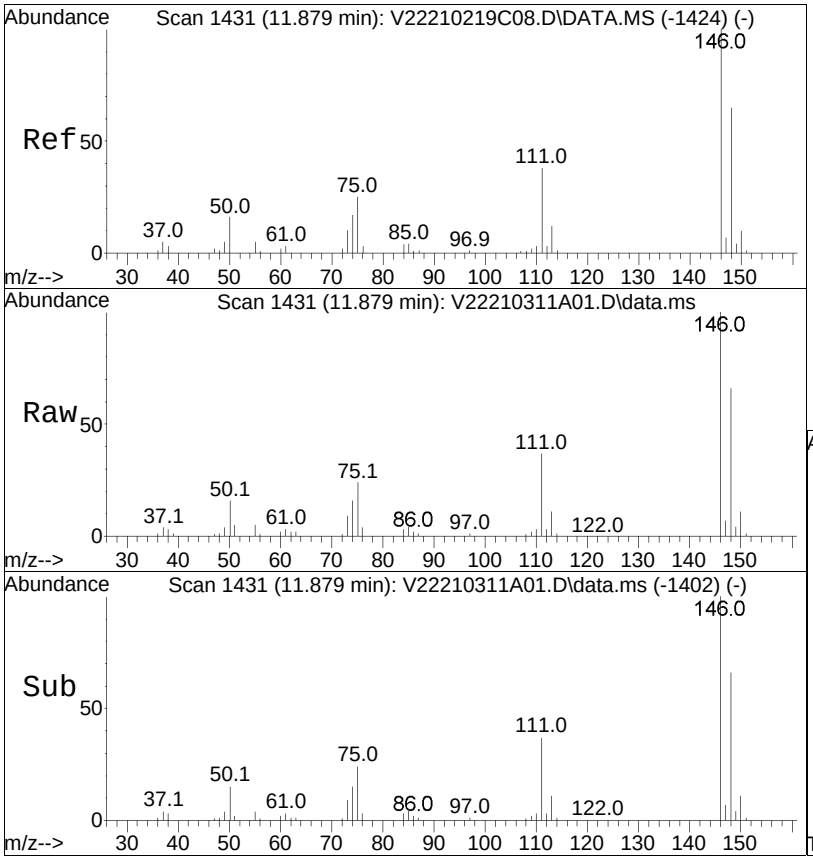


#103
p-Isopropyltoluene
Concen: 9.63 ug/L
RT: 11.823 min Scan# 1423
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:119 Resp: 255092

Ion	Ratio	Lower	Upper
119	100		
134	26.5	17.7	36.7
91	21.4	14.1	29.3

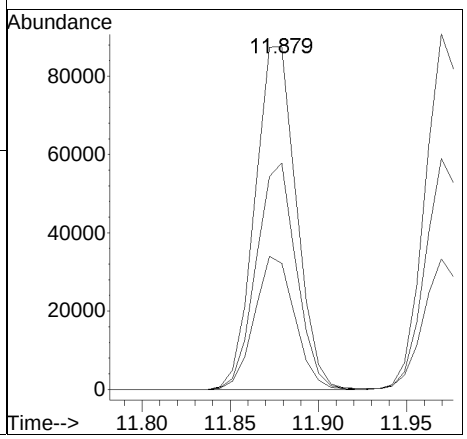


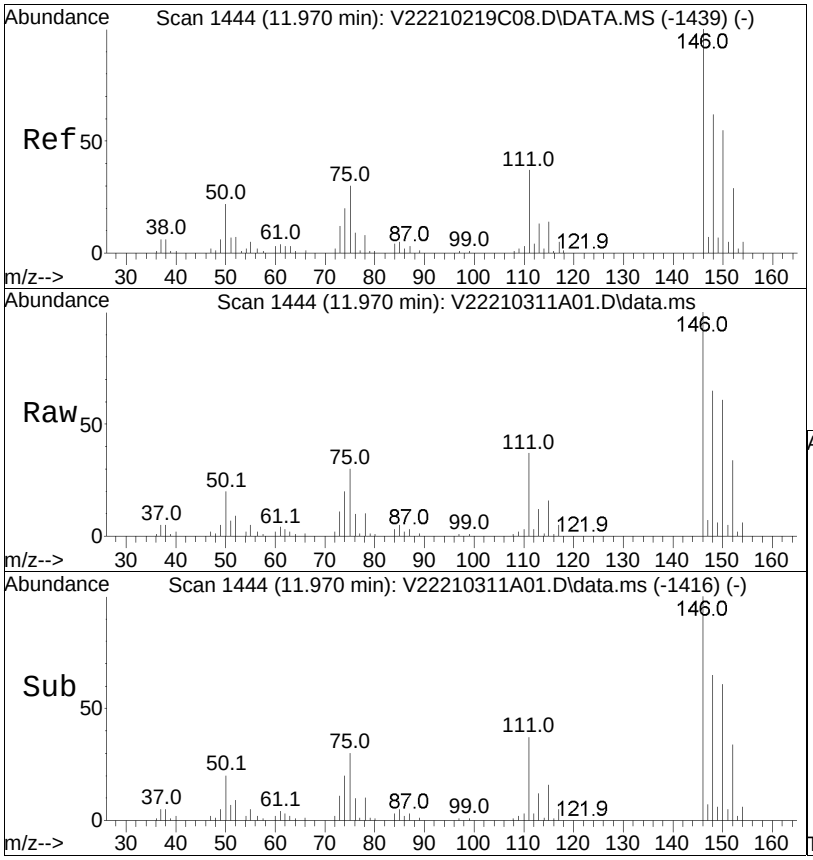


#104
1,3-Dichlorobenzene
Concen: 9.52 ug/L
RT: 11.879 min Scan# 1431
Delta R.T. 0.000 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:146 Resp: 143037

Ion	Ratio	Lower	Upper
146	100		
111	37.7	24.0	49.8
148	63.9	41.8	86.8

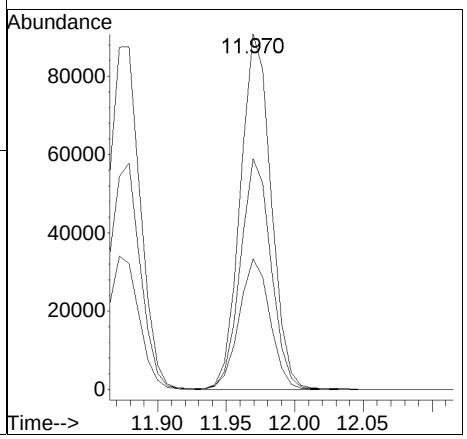


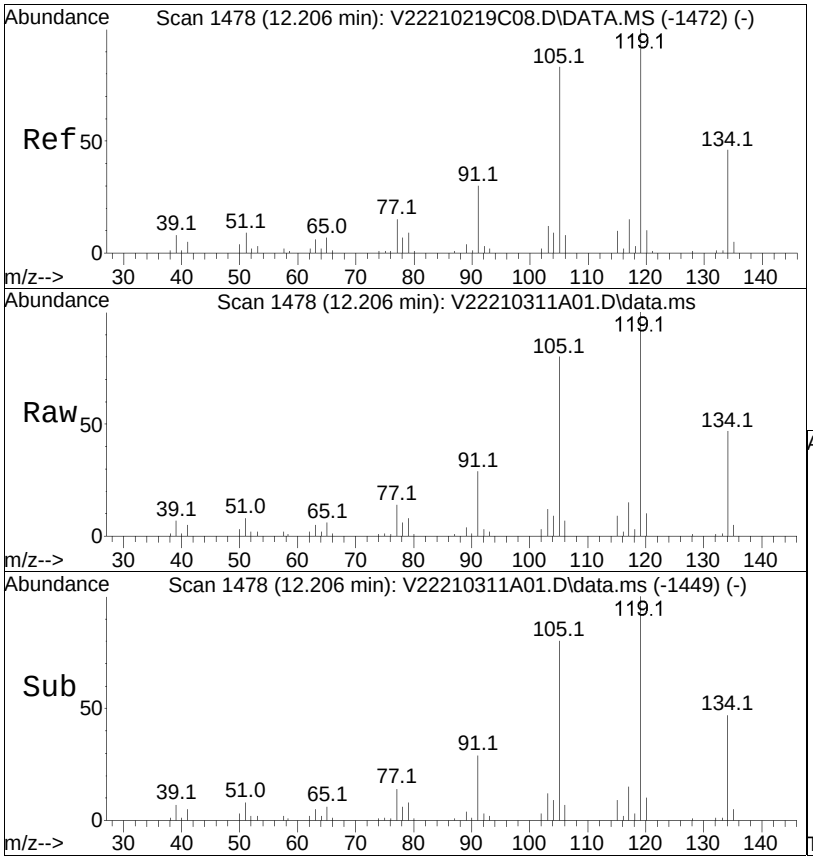


#105
1,4-Dichlorobenzene
Concen: 9.37 ug/L
RT: 11.970 min Scan# 1444
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:146 Resp: 141760

Ion	Ratio	Lower	Upper
146	100		
111	37.0	28.9	43.3
148	64.5	51.4	77.2

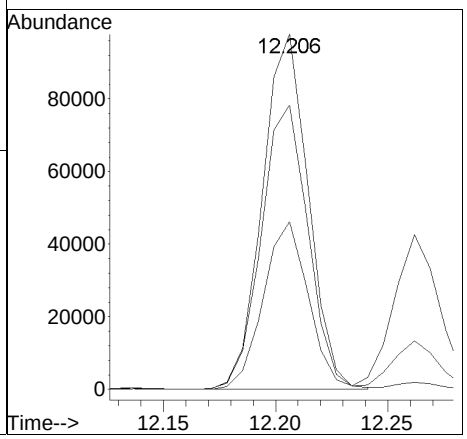


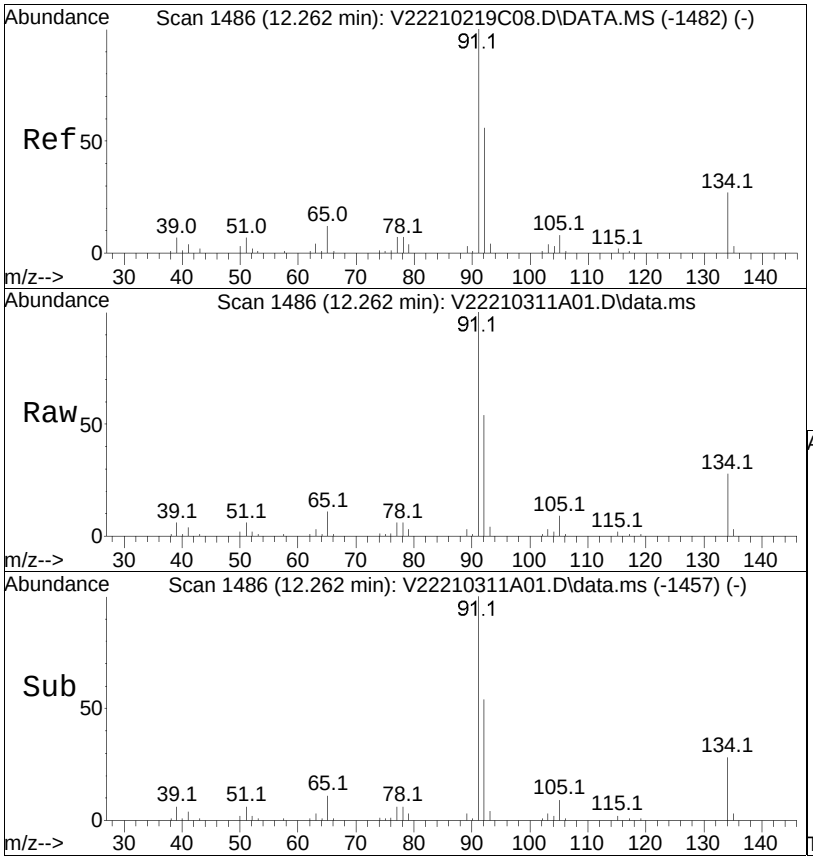


#106
p-Diethylbenzene
Concen: 8.65 ug/L
RT: 12.206 min Scan# 1478
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:119 Resp: 139189

Ion	Ratio	Lower	Upper
119	100		
105	81.7	53.4	110.8
134	46.4	30.9	64.1

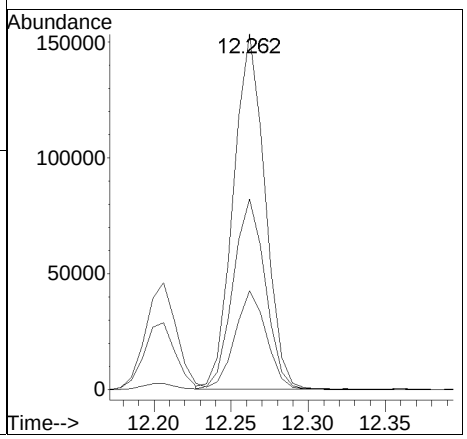


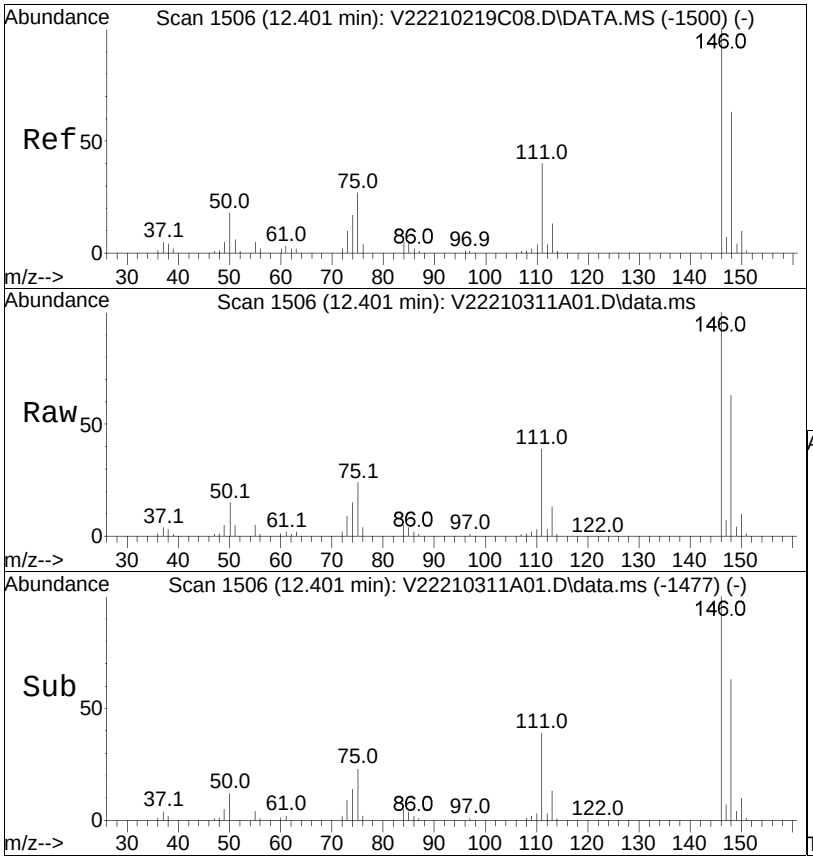


#107
n-Butylbenzene
Concen: 9.65 ug/L
RT: 12.262 min Scan# 1486
Delta R.T. -0.000 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion: 91 Resp: 219048

Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.6	66.8
134	27.4	22.9	34.3

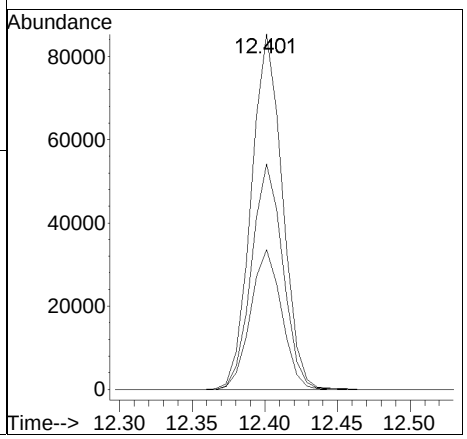


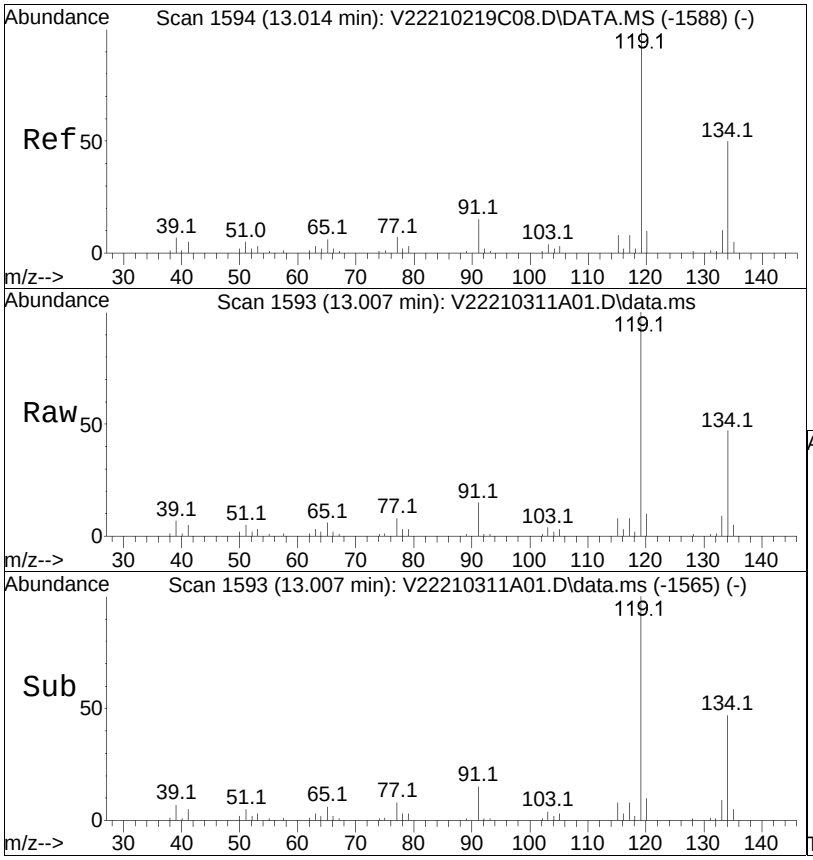


#108
1,2-Dichlorobenzene
Concen: 9.48 ug/L
RT: 12.401 min Scan# 1506
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:146 Resp: 127570

Ion	Ratio	Lower	Upper
146	100		
111	39.3	24.8	51.6
148	63.6	42.2	87.6

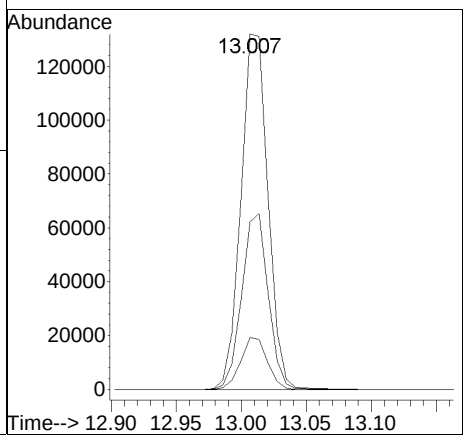


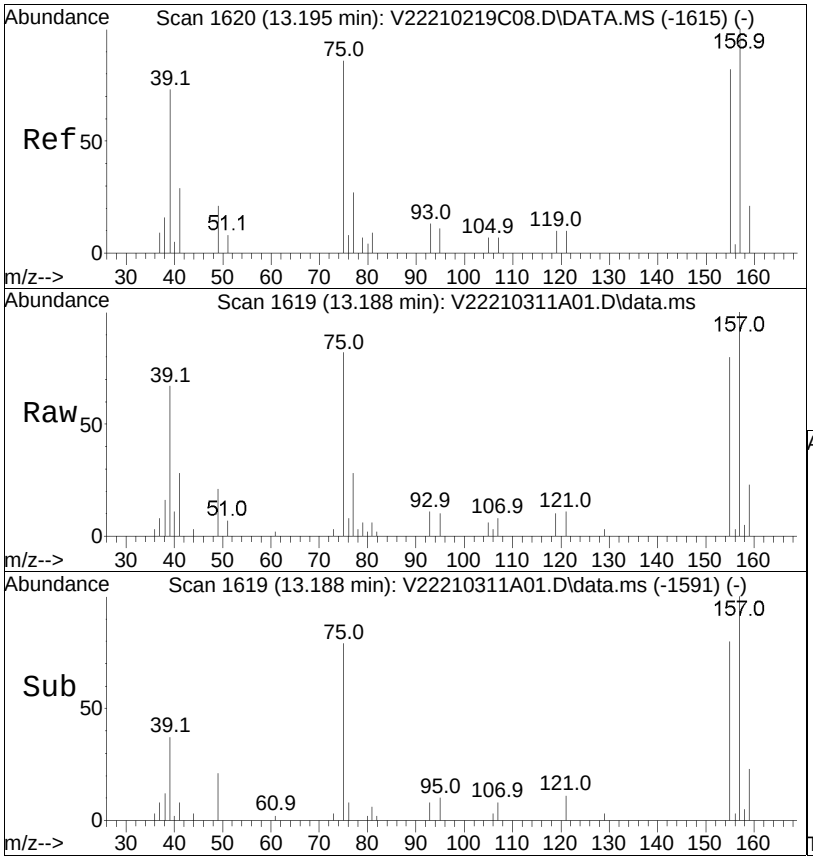


#109
1,2,4,5-Tetramethylbenzene
Concen: 9.13 ug/L
RT: 13.007 min Scan# 1593
Delta R.T. -0.007 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:119 Resp: 190979

Ion	Ratio	Lower	Upper
119	100		
134	48.4	31.9	66.1
91	14.4	9.8	20.3

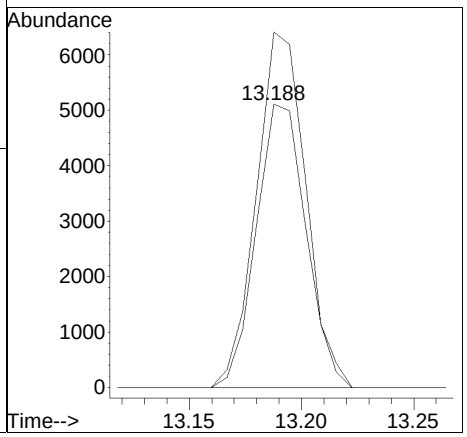


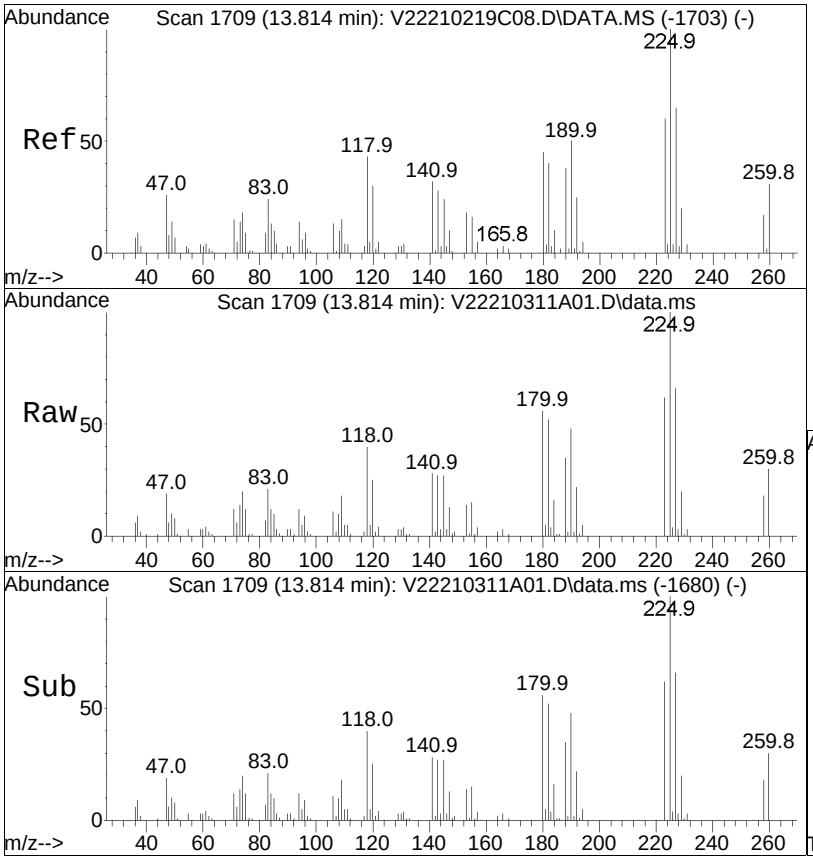


#110
1,2-Dibromo-3-chloropropane
Concen: 8.27 ug/L
RT: 13.188 min Scan# 1619
Delta R.T. -0.007 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:155 Resp: 7877

Ion	Ratio	Lower	Upper
155	100		
157	124.5	102.3	153.5

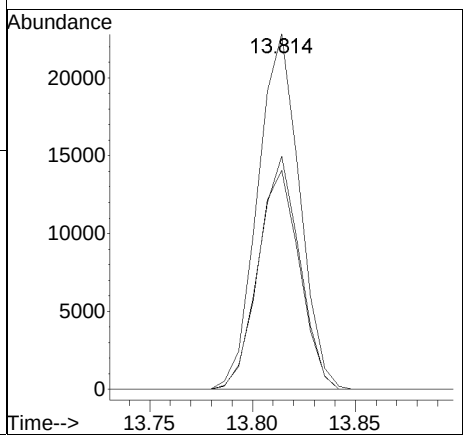


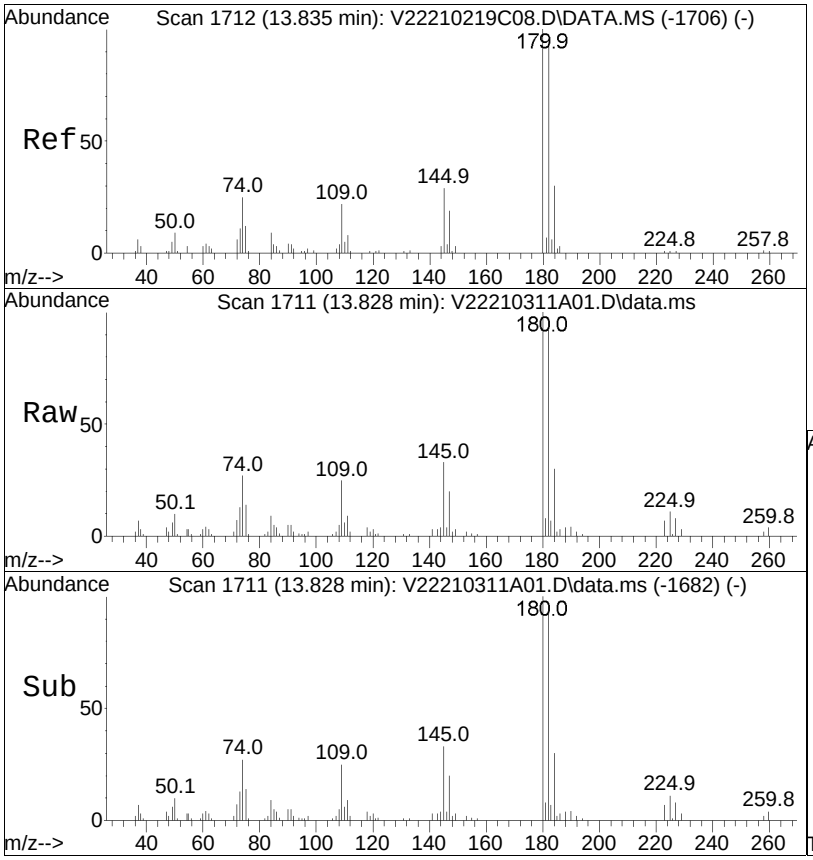


#112
Hexachlorobutadiene
Concen: 11.04 ug/L
RT: 13.814 min Scan# 1709
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:225 Resp: 32368

Ion	Ratio	Lower	Upper
225	100		
223	61.5	49.8	74.8
227	63.8	52.2	78.4

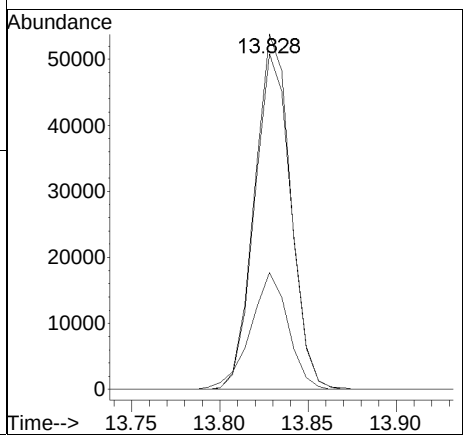


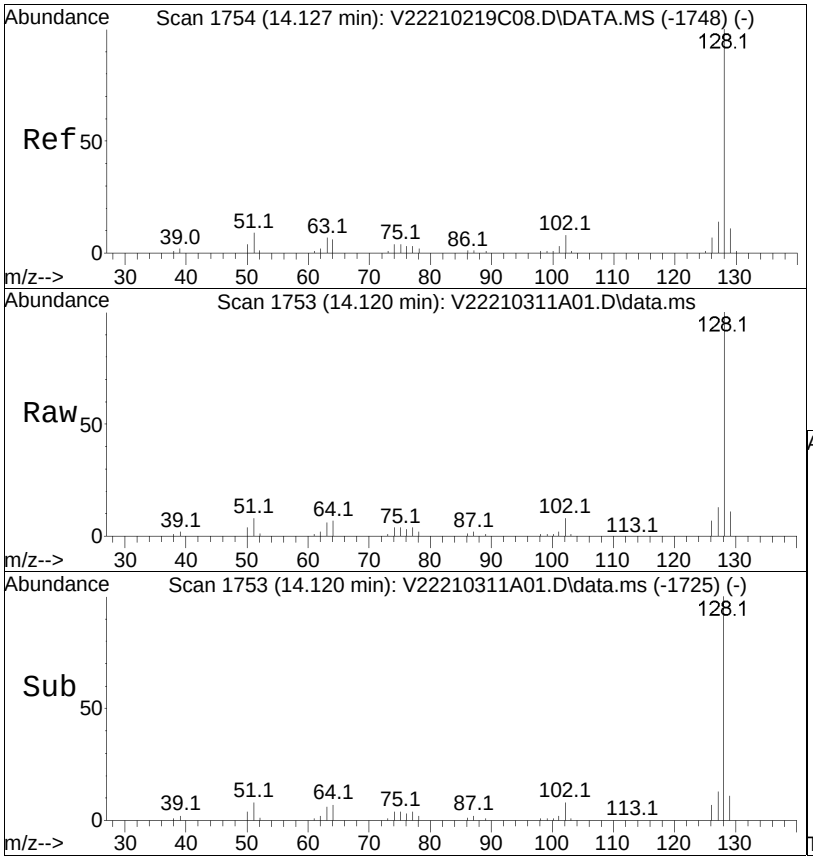


#113
1,2,4-Trichlorobenzene
Concen: 9.69 ug/L
RT: 13.828 min Scan# 1711
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:180 Resp: 76450

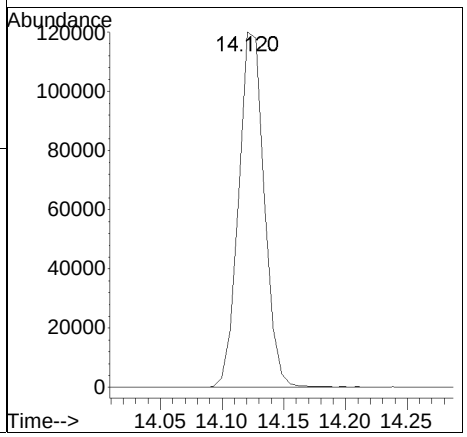
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	34.4	25.5	38.3

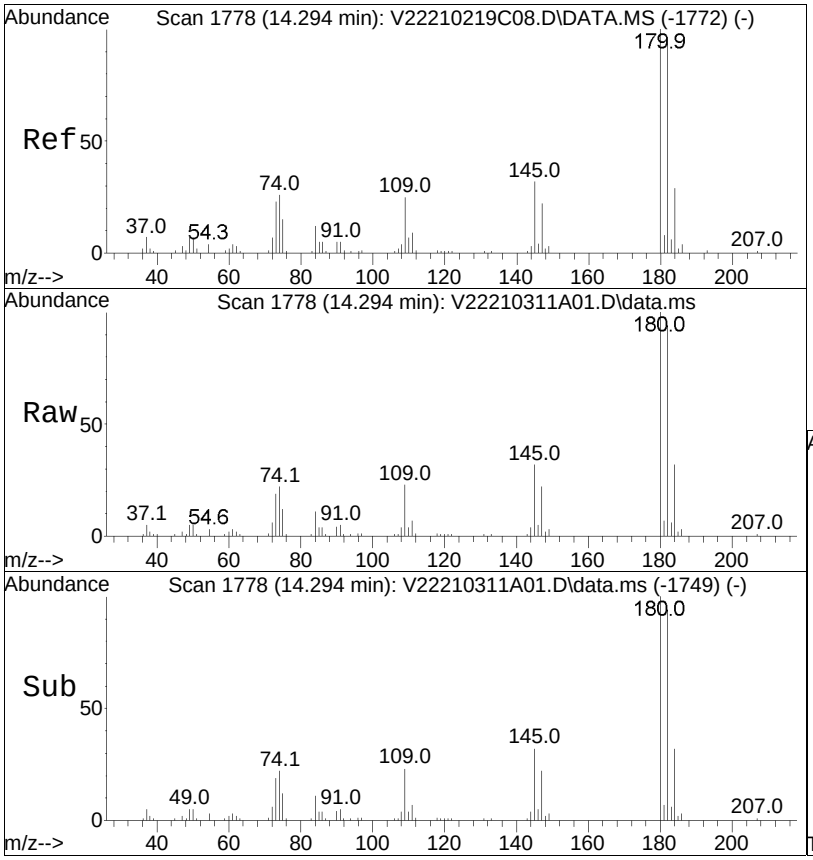




#114
Naphthalene
Concen: 9.64 ug/L
RT: 14.120 min Scan# 1753
Delta R.T. -0.008 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:128 Resp: 173826

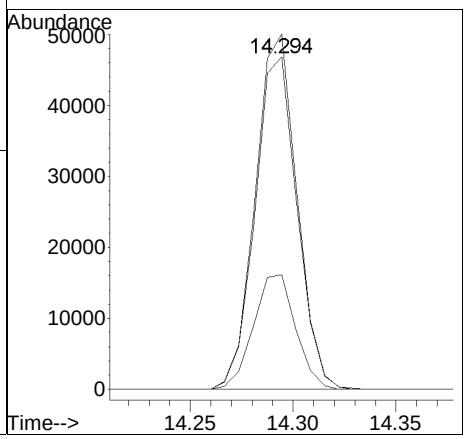




#115
1,2,3-Trichlorobenzene
Concen: 10.10 ug/L
RT: 14.294 min Scan# 1778
Delta R.T. -0.001 min
Lab File: V22210311A01.D
Acq: 11 Mar 2021 07:16 am

Tgt Ion:180 Resp: 70460

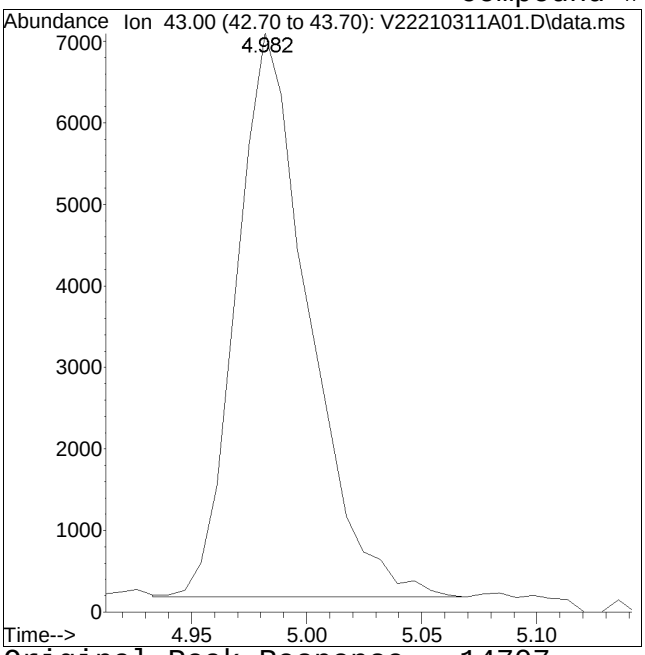
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.0	114.0
145	32.8	23.8	35.8



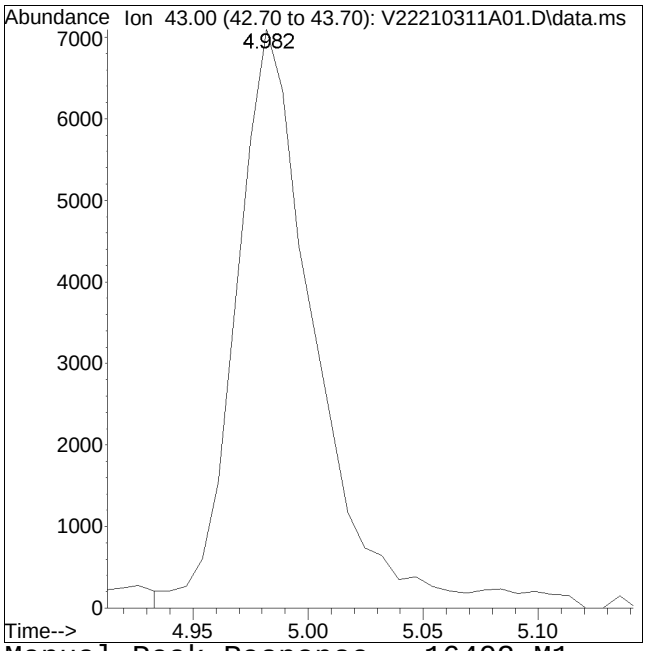
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210311A01.D Operator : VOA122:PD
Date Inj'd : 3/11/2021 7:16 am Instrument : VOA122
Sample : WG1473232-3,31,10,10 Quant Date : 3/11/2021 7:45 am

Compound #41: 2-Butanone



Original Peak Response = 14707



Manual Peak Response = 16402 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A02.D
Acq On : 11 Mar 2021 07:41 am
Operator : VOA122:PD
Sample : WG1473232-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 11 08:24:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.667	96	258196	10.000	ug/L		0.00
Standard Area 1 = 265339			Recovery = 97.31%				
62) Chlorobenzene-d5	9.169	117	201504	10.000	ug/L		0.00
Standard Area 1 = 195460			Recovery = 103.09%				
83) 1,4-Dichlorobenzene-d4	11.956	152	114269	10.000	ug/L		0.00
Standard Area 1 = 112718			Recovery = 101.38%				
System Monitoring Compounds							
38) Dibromofluoromethane	4.864	113	78997	9.508	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.08%				
46) 1,2-Dichloroethane-d4	5.379	65	74203	8.826	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.26%				
63) Toluene-d8	7.341	98	238007	9.203	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.03%				
87) 4-Bromofluorobenzene	10.708	95	90039	8.461	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.61%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.469	85	40379	10.547	ug/L		98
3) Chloromethane	1.657	50	77775	9.285	ug/L		97
4) Vinyl chloride	1.706	62	72946	9.822	ug/L		98
5) Bromomethane	1.985	94	23979	5.673	ug/L		99
6) Chloroethane	2.082	64	43989	7.957	ug/L		97
7) Trichlorofluoromethane	2.222	101	98748	10.160	ug/L		100
8) Ethyl ether	2.507	74	28070	9.831	ug/L	#	1
10) 1,1-Dichloroethene	2.689	96	61905	10.396	ug/L		81
11) Carbon disulfide	2.717	76	171441	12.455	ug/L		100
15) Methylene chloride	3.212	84	64157	9.746	ug/L	#	73
17) Acetone	3.260	43	12982	8.988	ug/L		99
18) trans-1,2-Dichloroethene	3.365	96	65563	10.377	ug/L		87
21) Methyl tert-butyl ether	3.462	73	103433	8.474	ug/L	#	88
25) 1,1-Dichloroethane	3.930	63	128069	9.796	ug/L		96
27) Acrylonitrile	3.971	53	18105	9.393	ug/L		94
29) Vinyl acetate	4.160	43	94415	7.418	ug/L	#	90
30) cis-1,2-Dichloroethene	4.431	96	73174	10.012	ug/L	#	86
31) 2,2-Dichloropropane	4.536	77	87853	11.646	ug/L		87
32) Bromochloromethane	4.620	128	31954	10.345	ug/L	#	75
34) Chloroform	4.689	83	115335	9.845	ug/L		96

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A02.D
Acq On : 11 Mar 2021 07:41 am
Operator : VOA122:PD
Sample : WG1473232-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 11 08:24:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	4.822	117	90936	9.805	ug/L		100
39) 1,1,1-Trichloroethane	4.891	97	101824	9.985	ug/L		95
41) 2-Butanone	4.982	43	15657M1	8.566	ug/L		
42) 1,1-Dichloropropene	5.017	75	51623	9.292	ug/L		99
44) Benzene	5.254	78	219373	9.629	ug/L	#	93
47) 1,2-Dichloroethane	5.446	62	73068	8.769	ug/L		99
51) Trichloroethene	5.837	95	59182	9.724	ug/L		99
53) Dibromomethane	6.265	93	32628	9.097	ug/L		88
54) 1,2-Dichloropropane	6.376	63	59320	9.089	ug/L	#	93
57) Bromodichloromethane	6.442	83	76344	9.469	ug/L		99
60) 1,4-Dioxane	6.656	88	19917	493.541	ug/L	#	60
61) cis-1,3-Dichloropropene	7.134	75	77292	8.087	ug/L		92
64) Toluene	7.400	92	135152	9.251	ug/L		99
65) 4-Methyl-2-pentanone	7.842	58	9323	6.289	ug/L	#	77
66) Tetrachloroethene	7.842	166	64535	9.066	ug/L		97
68) trans-1,3-Dichloropropene	7.878	75	62137	8.483	ug/L		93
71) 1,1,2-Trichloroethane	8.063	83	30841	8.059	ug/L		99
72) Chlorodibromomethane	8.265	129	53166	8.192	ug/L		98
73) 1,3-Dichloropropane	8.384	76	64971	9.188	ug/L		100
74) 1,2-Dibromoethane	8.535	107	36066	7.961	ug/L		98
76) 2-Hexanone	8.844	43	16267	6.352	ug/L	#	89
77) Chlorobenzene	9.193	112	155181	9.093	ug/L		90
78) Ethylbenzene	9.241	91	263409	9.448	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.281	131	46730	8.251	ug/L		98
80) p/m Xylene	9.431	106	222581	19.905	ug/L		99
81) o Xylene	9.970	106	209778	20.650	ug/L		99
82) Styrene	10.042	104	336682	20.713	ug/L		98
84) Bromoform	10.050	173	27762	7.809	ug/L		99
86) Isopropylbenzene	10.383	105	278079	8.897	ug/L		99
88) Bromobenzene	10.819	156	66168	8.903	ug/L		99
89) n-Propylbenzene	10.882	91	355387	9.438	ug/L		99
91) 1,1,2,2-Tetrachloroethane	10.962	83	41280	7.821	ug/L		99
92) 4-Ethyltoluene	11.009	105	282254	9.513	ug/L		100
93) 2-Chlorotoluene	11.041	91	228353	9.239	ug/L		100
94) 1,3,5-Trimethylbenzene	11.120	105	223074	8.921	ug/L		99
95) 1,2,3-Trichloropropane	11.104	75	31834	7.417	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.168	53	13187	7.348	ug/L	#	74
97) 4-Chlorotoluene	11.231	91	209749	9.388	ug/L		100
98) tert-Butylbenzene	11.468	119	221222	8.420	ug/L		98

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A02.D
Acq On : 11 Mar 2021 07:41 am
Operator : VOA122:PD
Sample : WG1473232-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 11 08:24:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.545	105	215814	8.897	ug/L	99
102) sec-Butylbenzene	11.663	105	292622	9.969	ug/L	98
103) p-Isopropyltoluene	11.823	119	259936	9.676	ug/L	98
104) 1,3-Dichlorobenzene	11.879	146	145587	9.557	ug/L	99
105) 1,4-Dichlorobenzene	11.970	146	142648	9.299	ug/L	99
106) p-Diethylbenzene	12.206	119	141788	8.688	ug/L	98
107) n-Butylbenzene	12.262	91	221351	9.624	ug/L	99
108) 1,2-Dichlorobenzene	12.401	146	127984	9.378	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.007	119	194837	9.189	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.195	155	7718	8.006	ug/L	100
112) Hexachlorobutadiene	13.814	225	32407	10.907	ug/L	99
113) 1,2,4-Trichlorobenzene	13.828	180	77620	9.705	ug/L	99
114) Naphthalene	14.121	128	177198	9.695	ug/L	100
115) 1,2,3-Trichlorobenzene	14.295	180	71140	10.058	ug/L	99

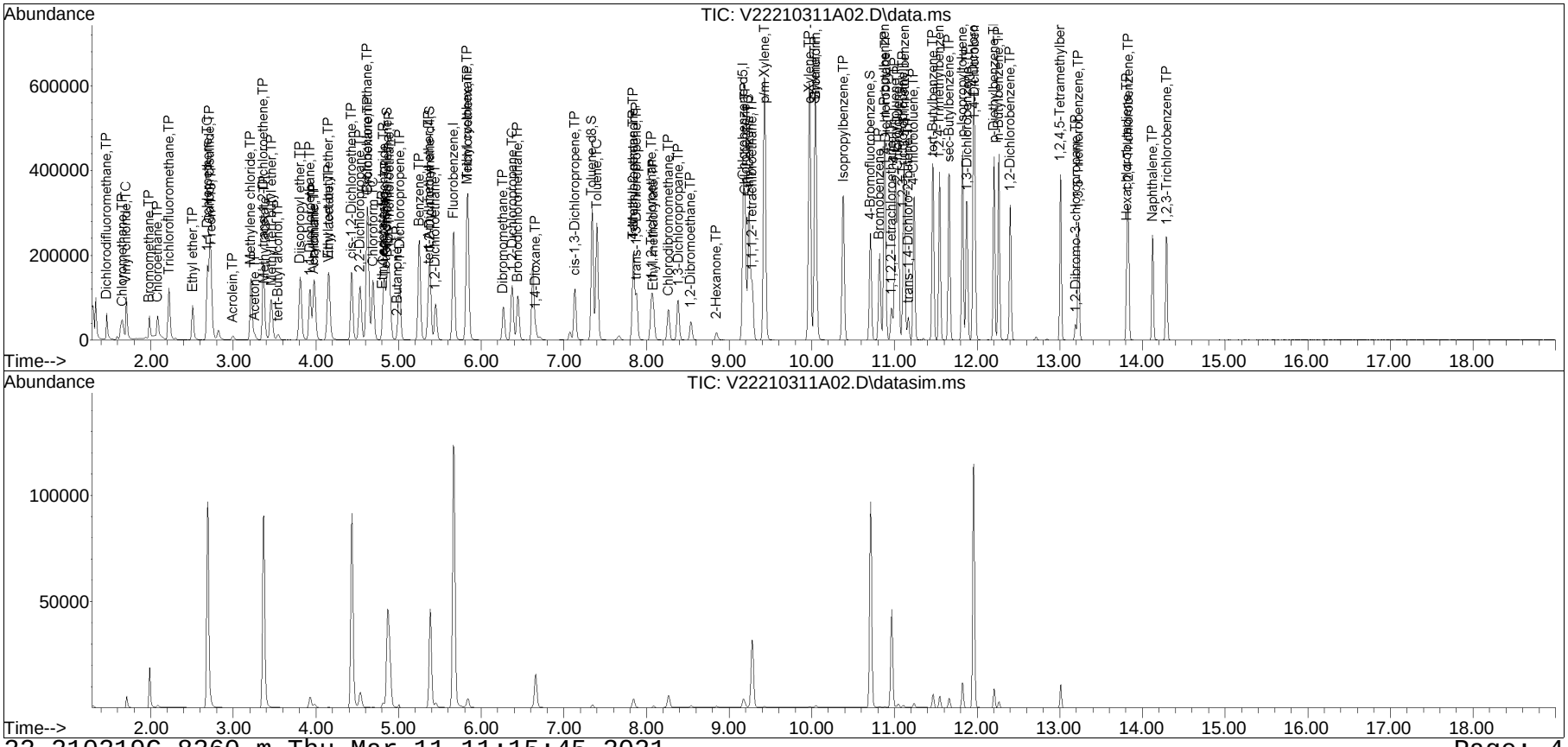
(#) = qualifier out of range (m) = manual integration (+) = signals summed

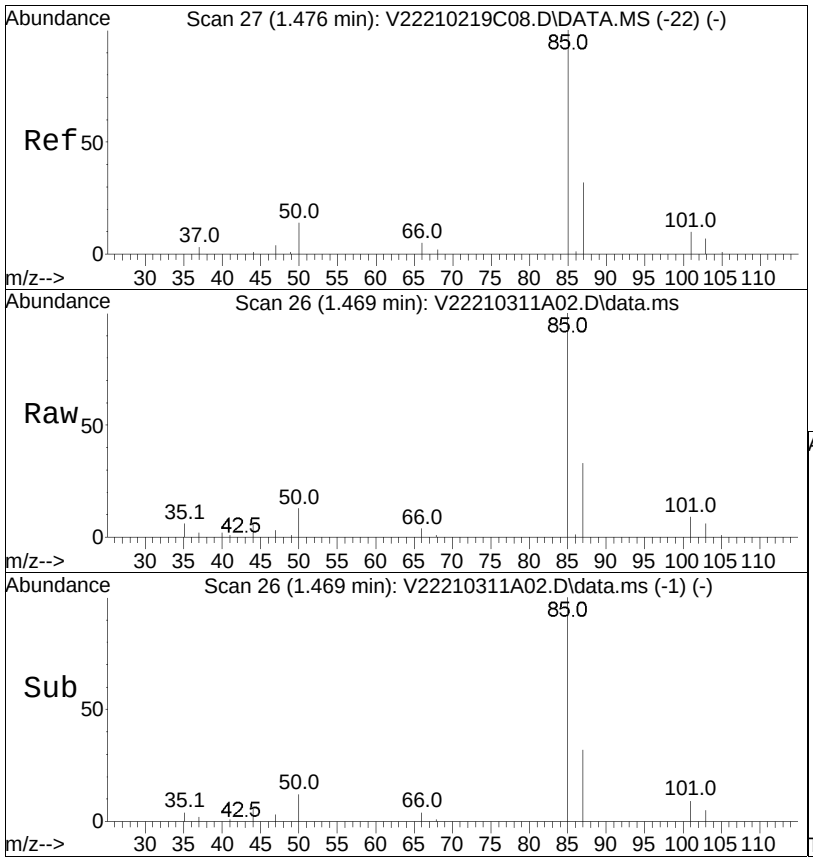
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A02.D
Acq On : 11 Mar 2021 07:41 am
Operator : VOA122:PD
Sample : WG1473232-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1473232,ICAL17646 (Sig #1); WG,ICAL17646 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 11 08:24:12 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

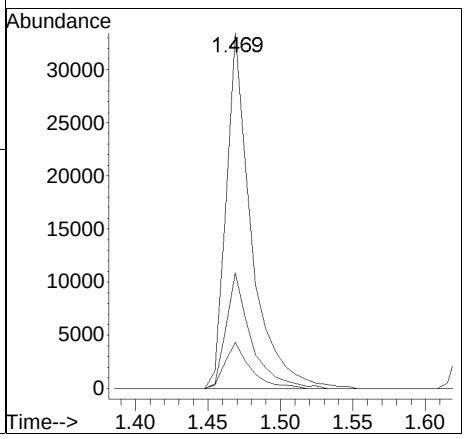


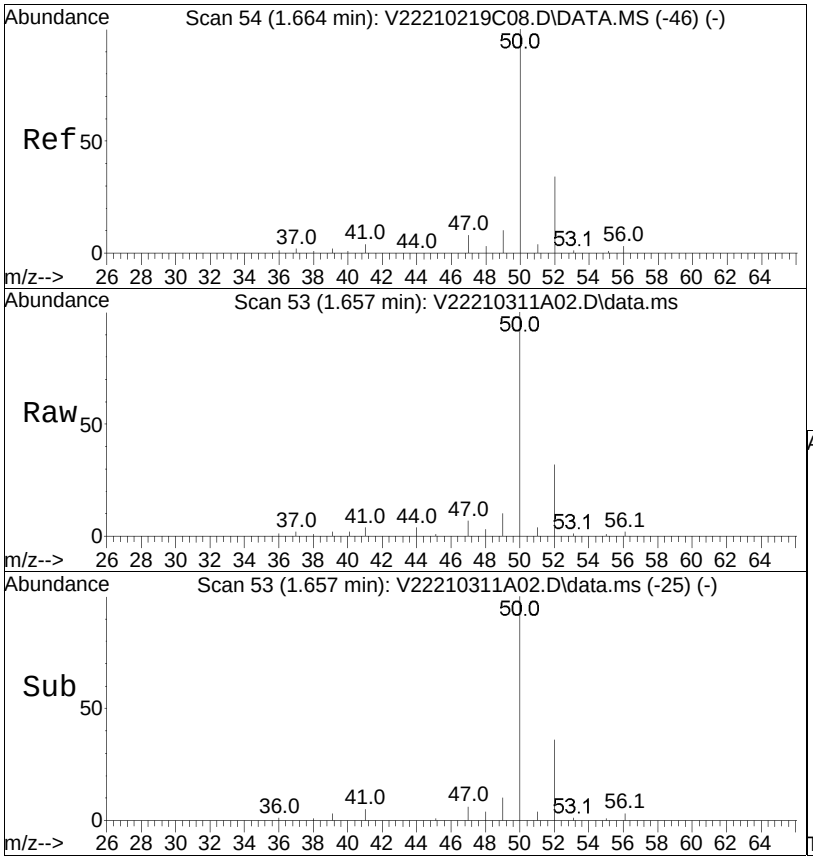


#2
Dichlorodifluoromethane
Concen: 10.55 ug/L
RT: 1.469 min Scan# 26
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 85 Resp: 40379

Ion	Ratio	Lower	Upper
85	100		
87	32.2	20.7	42.9
50	13.0	6.8	14.2

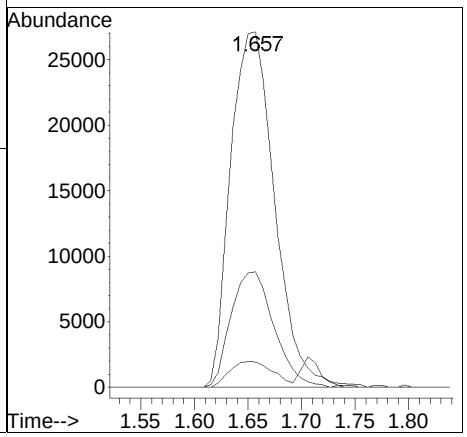


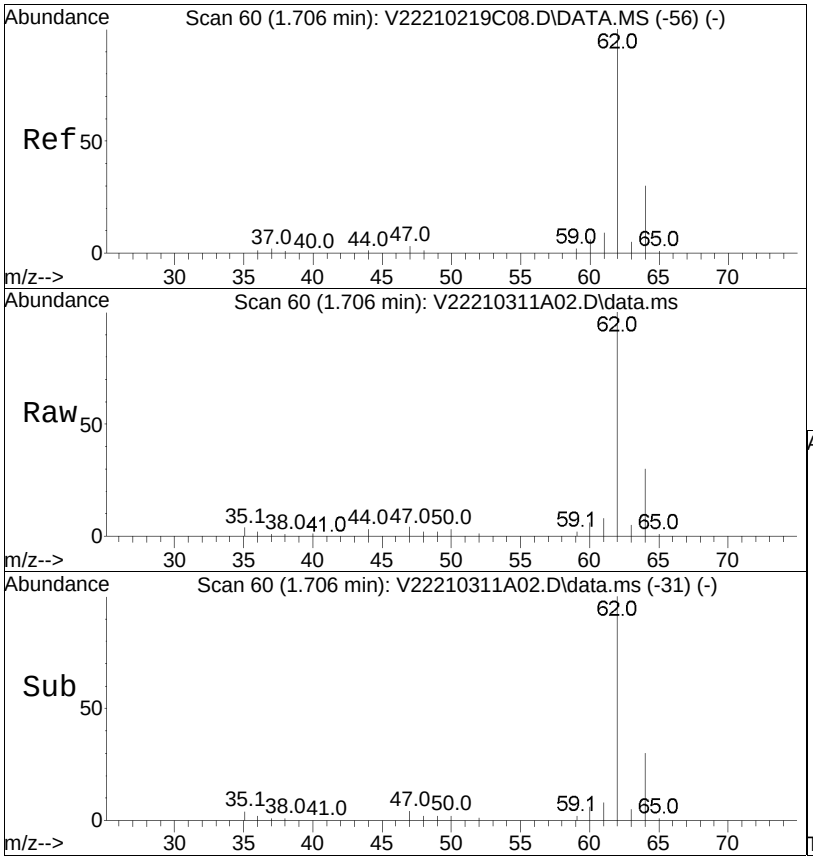


#3
Chloromethane
Concen: 9.29 ug/L
RT: 1.657 min Scan# 53
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 50 Resp: 77775

Ion	Ratio	Lower	Upper
50	100		
52	31.8	12.8	52.8
47	7.3	0.0	30.0

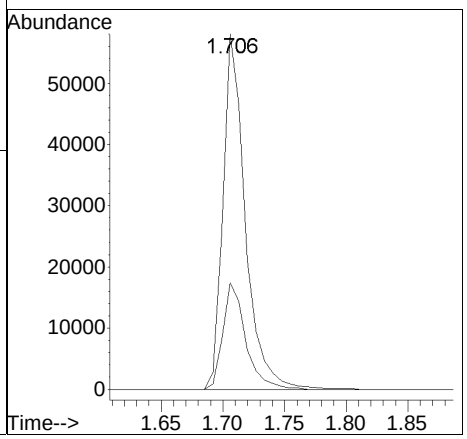


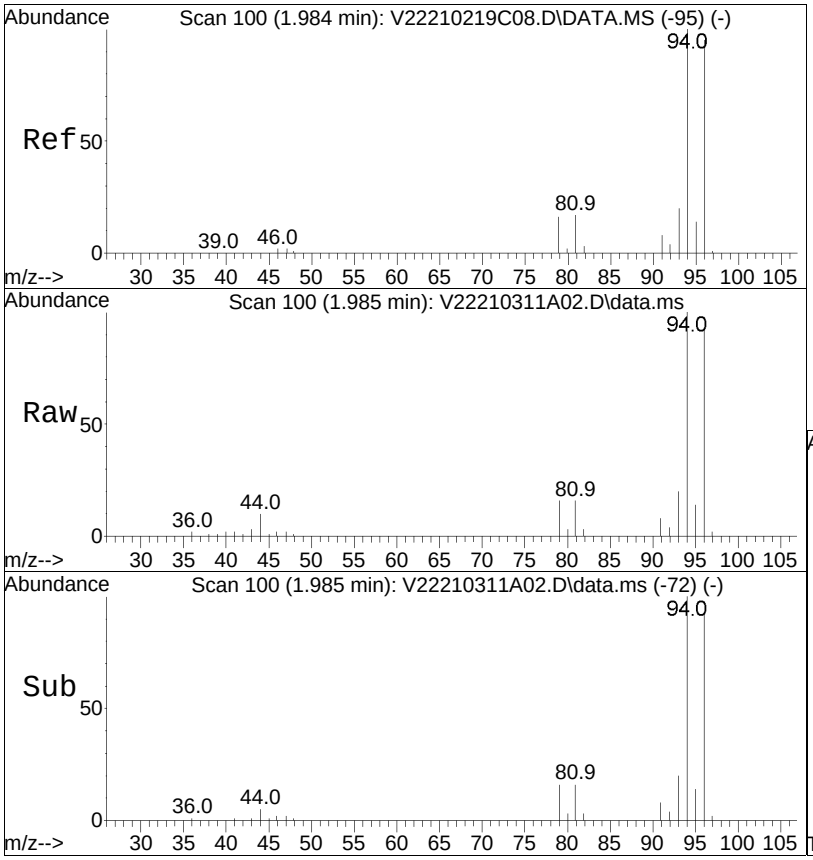


#4
Vinyl chloride
Concen: 9.82 ug/L
RT: 1.706 min Scan# 60
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 62 Resp: 72946

Ion	Ratio	Lower	Upper
62	100		
64	30.7	12.0	52.0

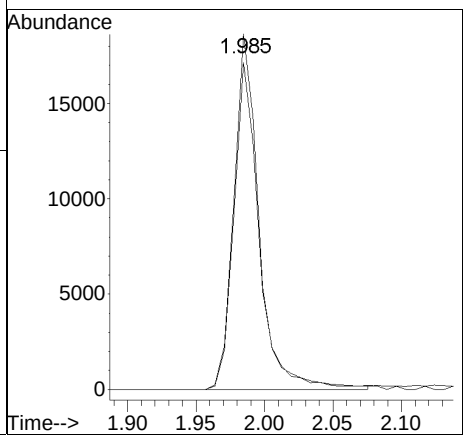


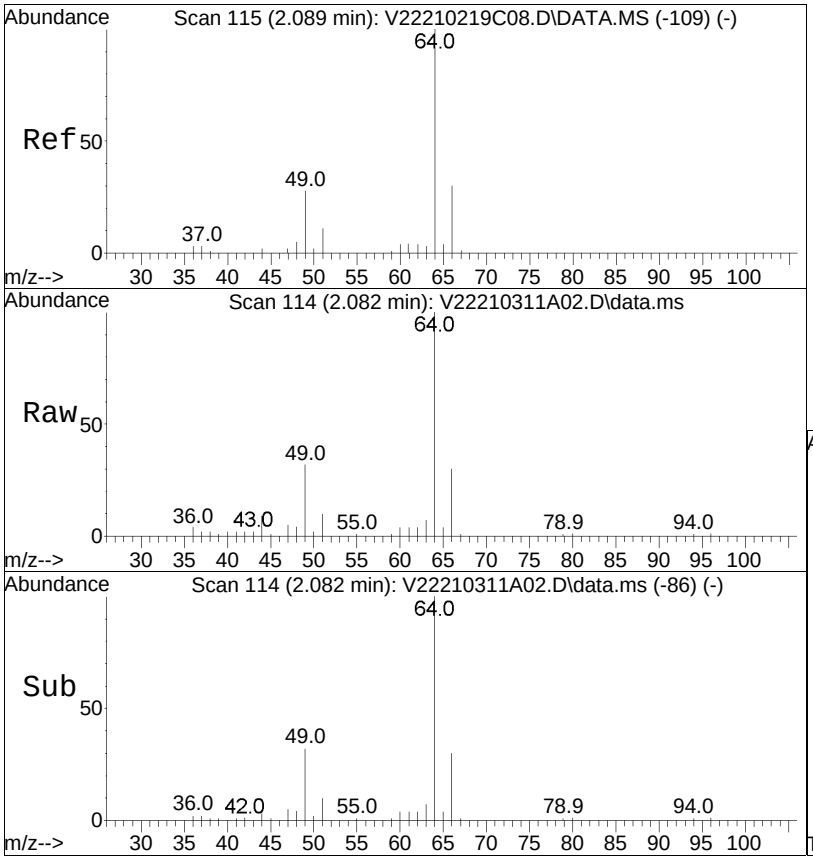


#5
Bromomethane
Concen: 5.67 ug/L
RT: 1.985 min Scan# 100
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 94 Resp: 23979

Ion	Ratio	Lower	Upper
94	100		
96	92.0	72.8	112.8

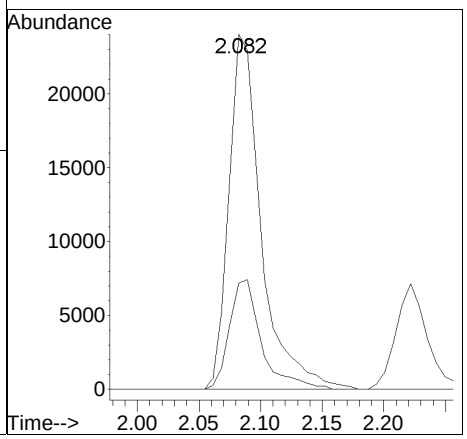


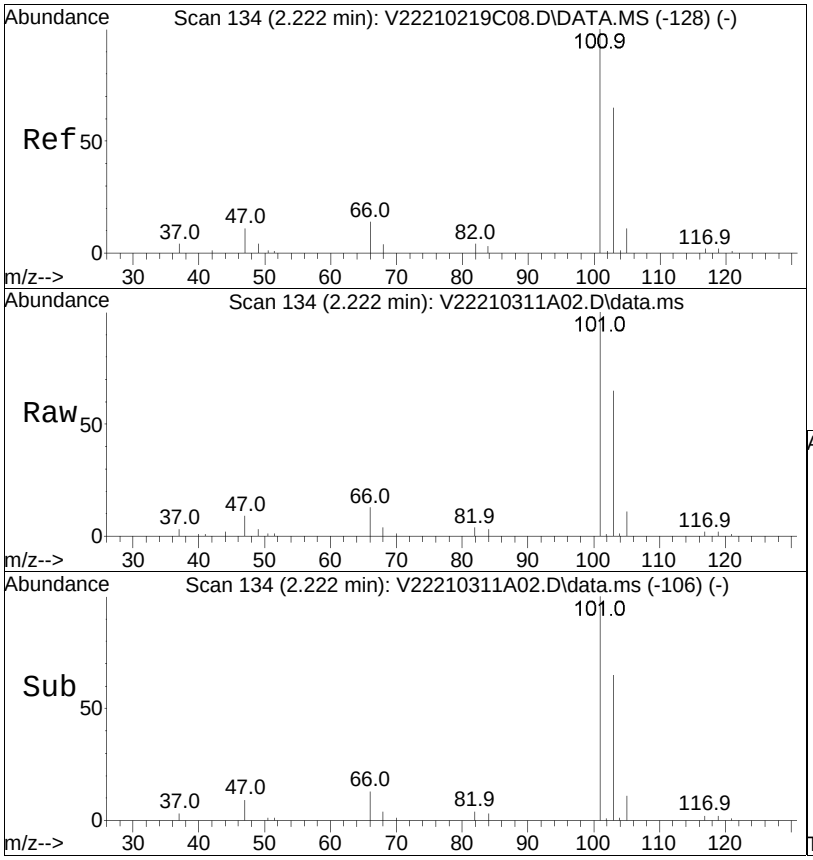


#6
Chloroethane
Concen: 7.96 ug/L
RT: 2.082 min Scan# 114
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 64 Resp: 43989

Ion	Ratio	Lower	Upper
64	100		
66	30.7	12.2	52.2

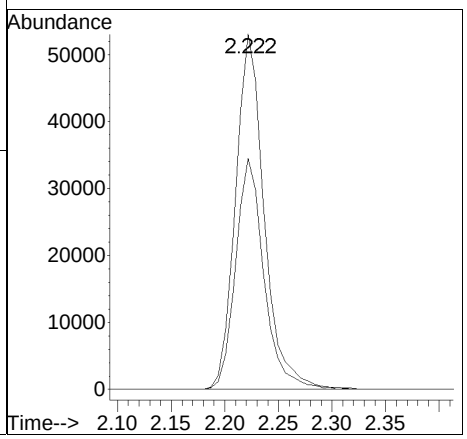


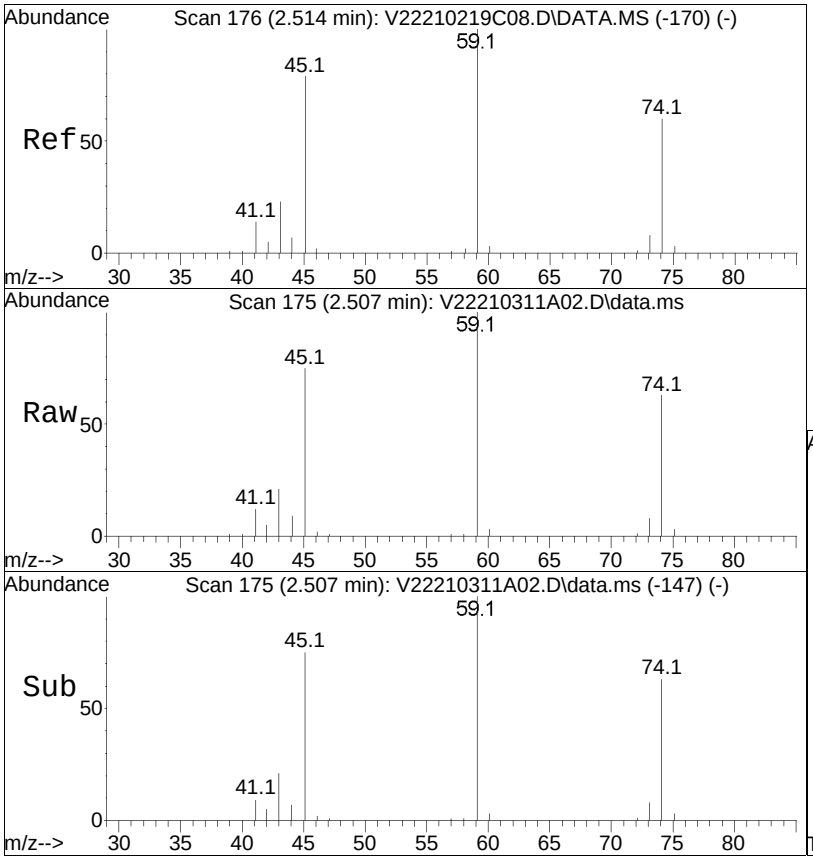


#7
Trichlorofluoromethane
Concen: 10.16 ug/L
RT: 2.222 min Scan# 134
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:101 Resp: 98748

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.6	77.4

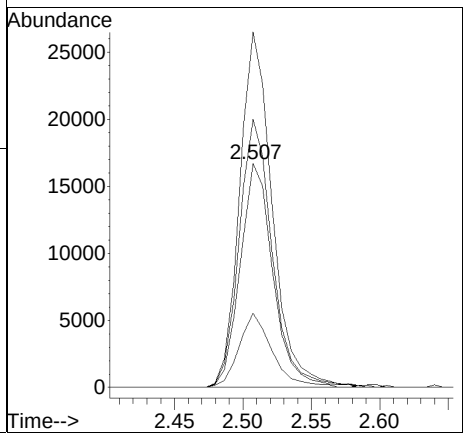


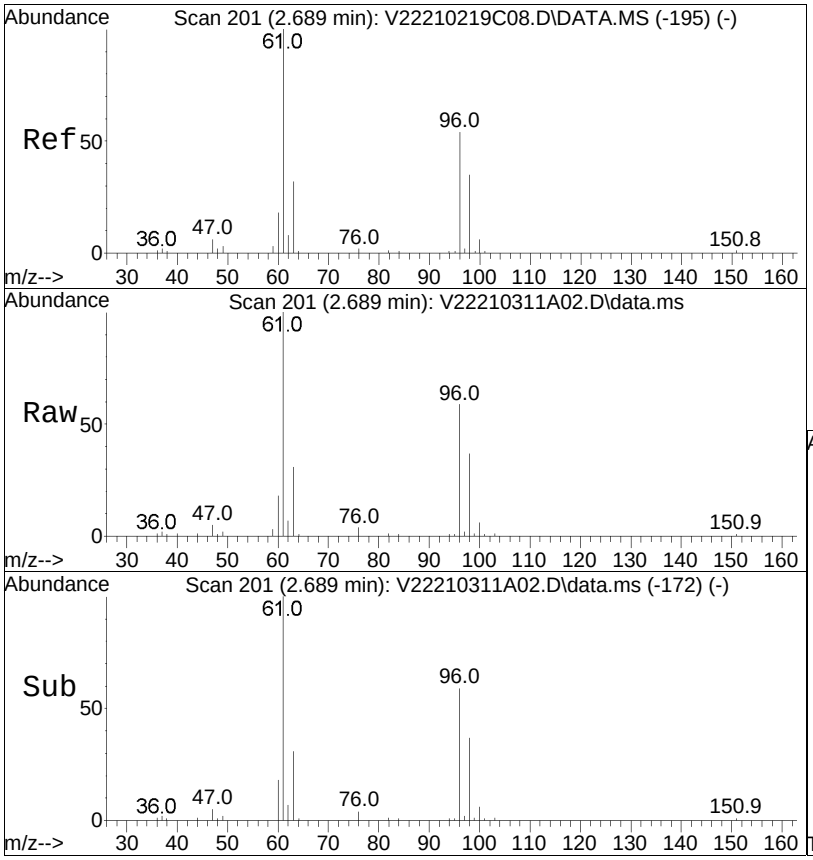


#8
Ethyl ether
Concen: 9.83 ug/L
RT: 2.507 min Scan# 175
Delta R.T. -0.008 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 74 Resp: 28070

Ion	Ratio	Lower	Upper
74	100		
59	157.9	2122.4	4408.0#
45	120.9	1435.1	2980.5#
43	33.4	407.9	847.3#

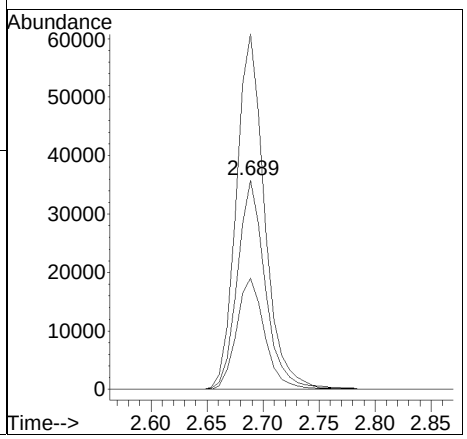


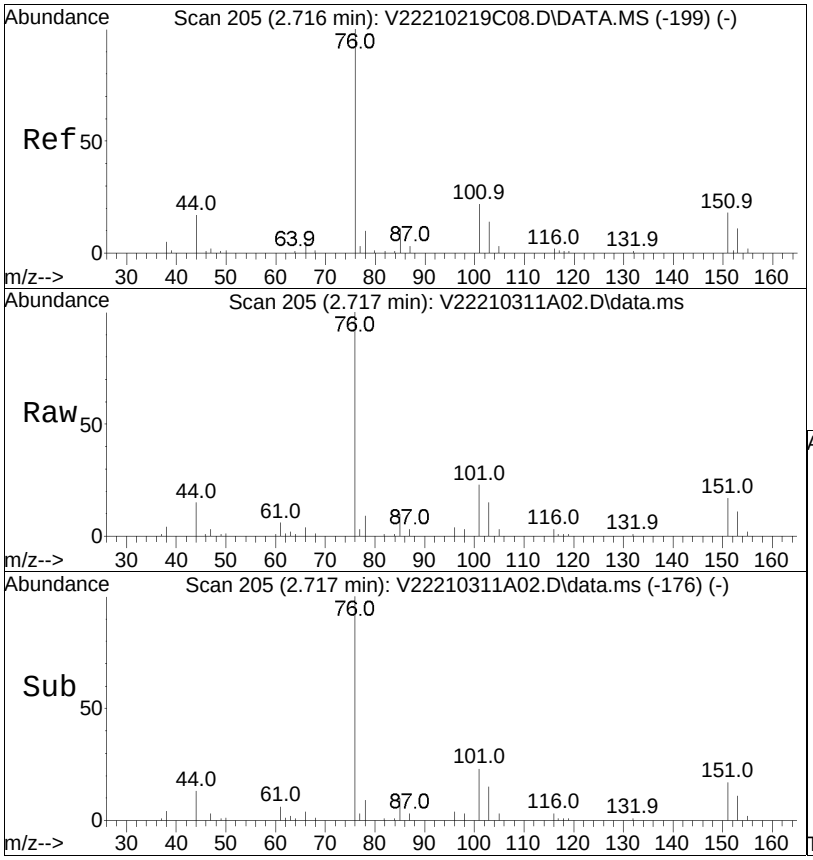


#10
1,1-Dichloroethene
Concen: 10.40 ug/L
RT: 2.689 min Scan# 201
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 96 Resp: 61905

Ion	Ratio	Lower	Upper
96	100		
61	173.1	117.0	175.4
63	53.8	37.8	56.6

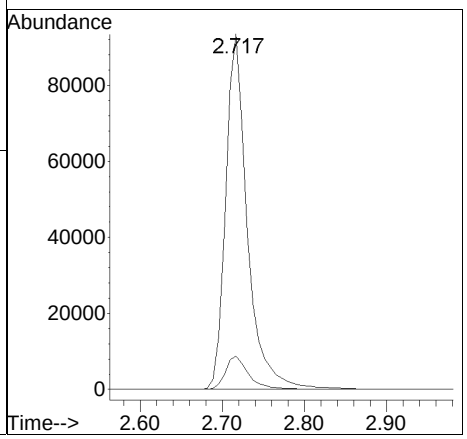


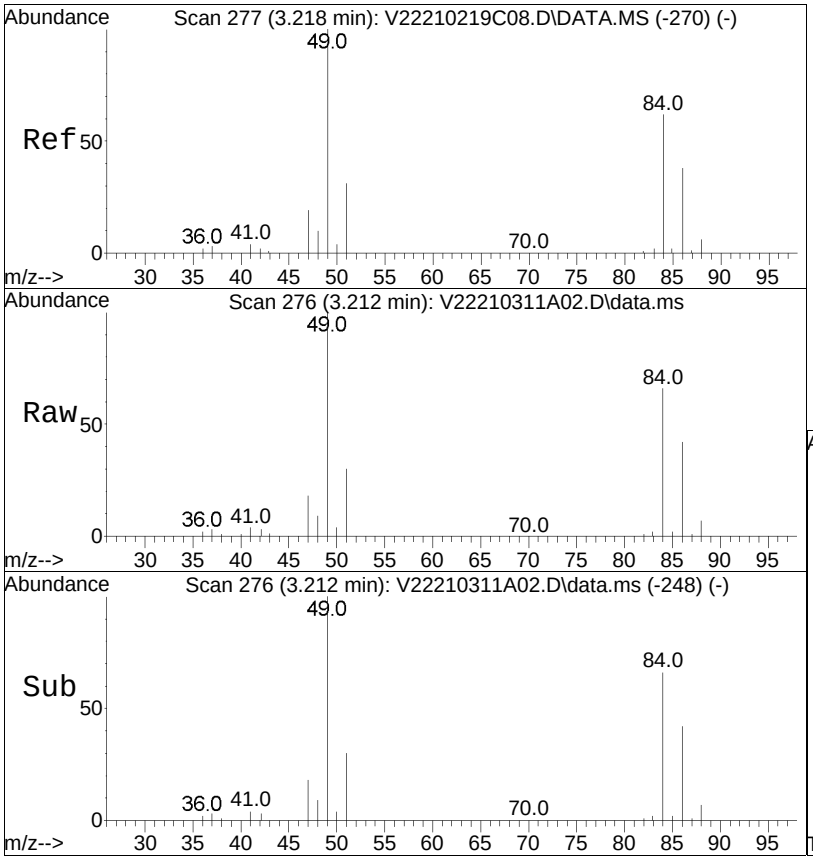


#11
Carbon disulfide
Concen: 12.45 ug/L
RT: 2.717 min Scan# 205
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 76 Resp: 171441

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.4	13.4

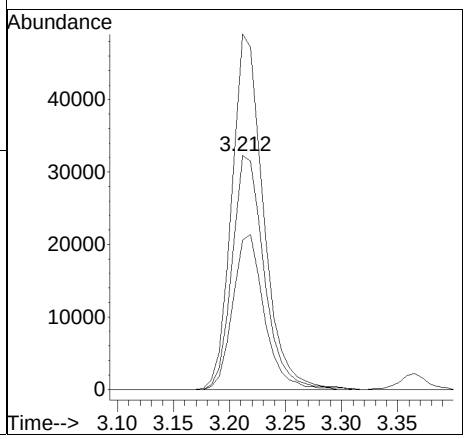


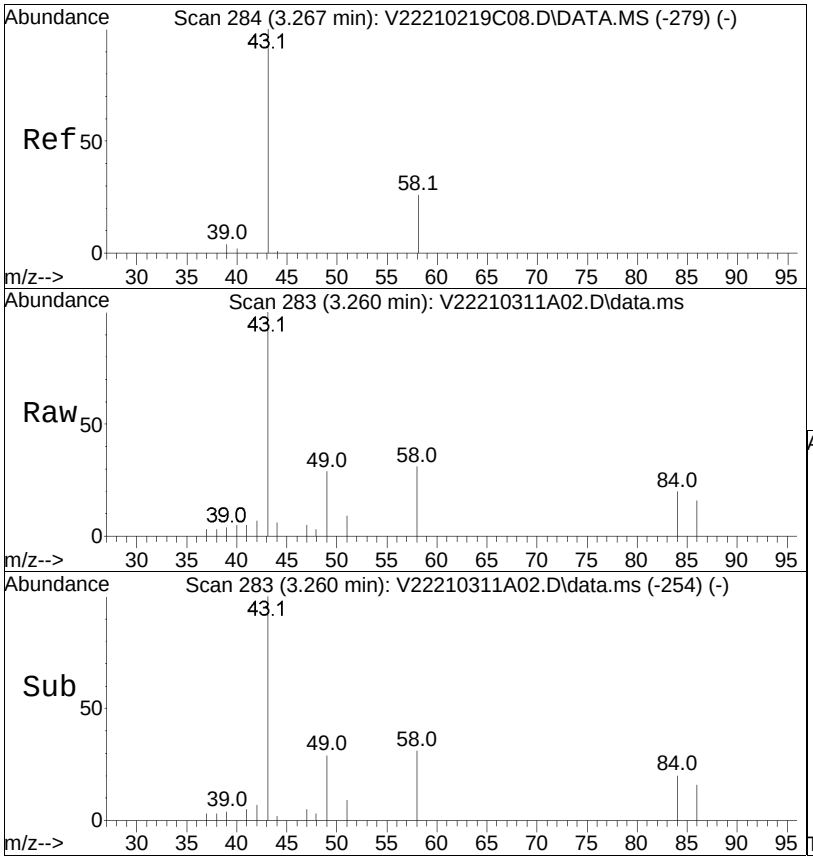


#15
Methylene chloride
Concen: 9.75 ug/L
RT: 3.212 min Scan# 276
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 84 Resp: 64157

Ion	Ratio	Lower	Upper
84	100		
86	64.9	41.5	86.3
49	150.2	68.8	143.0#

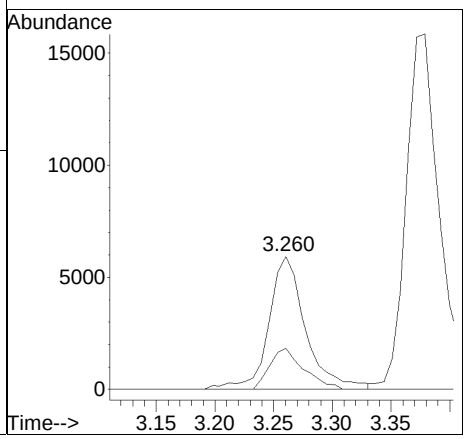


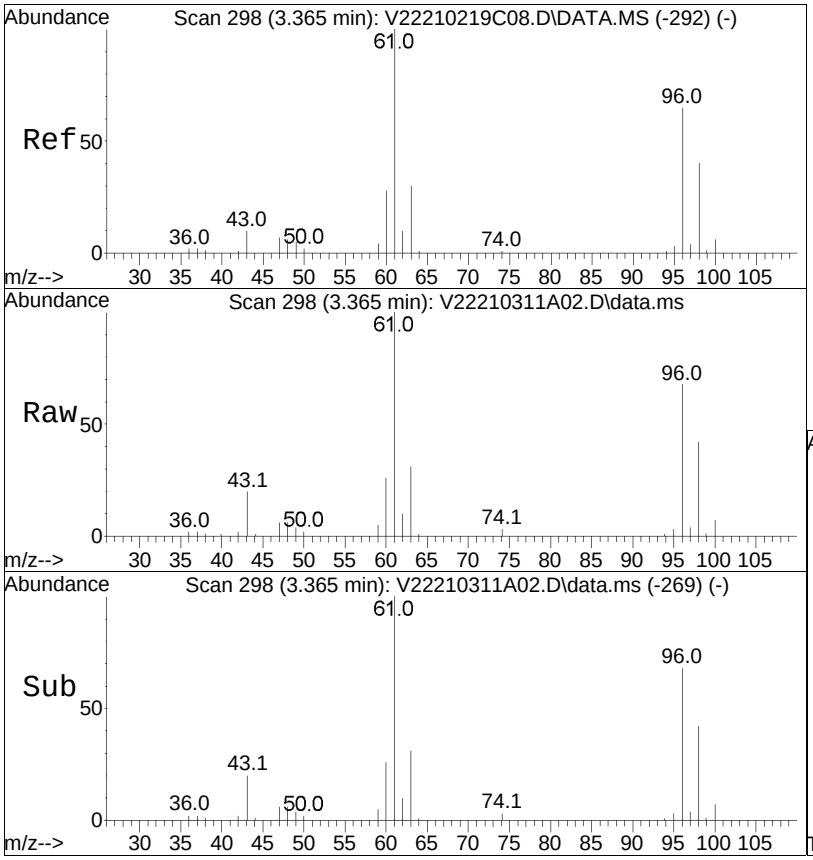


#17
Acetone
Concen: 8.99 ug/L
RT: 3.260 min Scan# 283
Delta R.T. 0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 43 Resp: 12982

Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.1	34.7

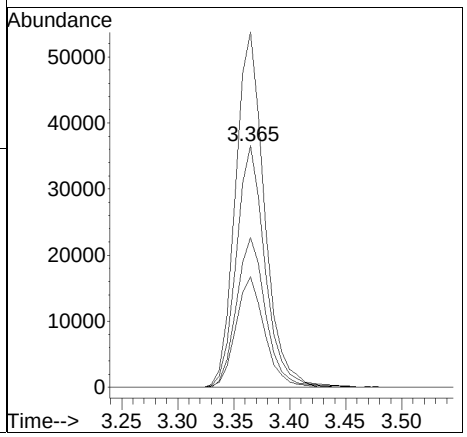


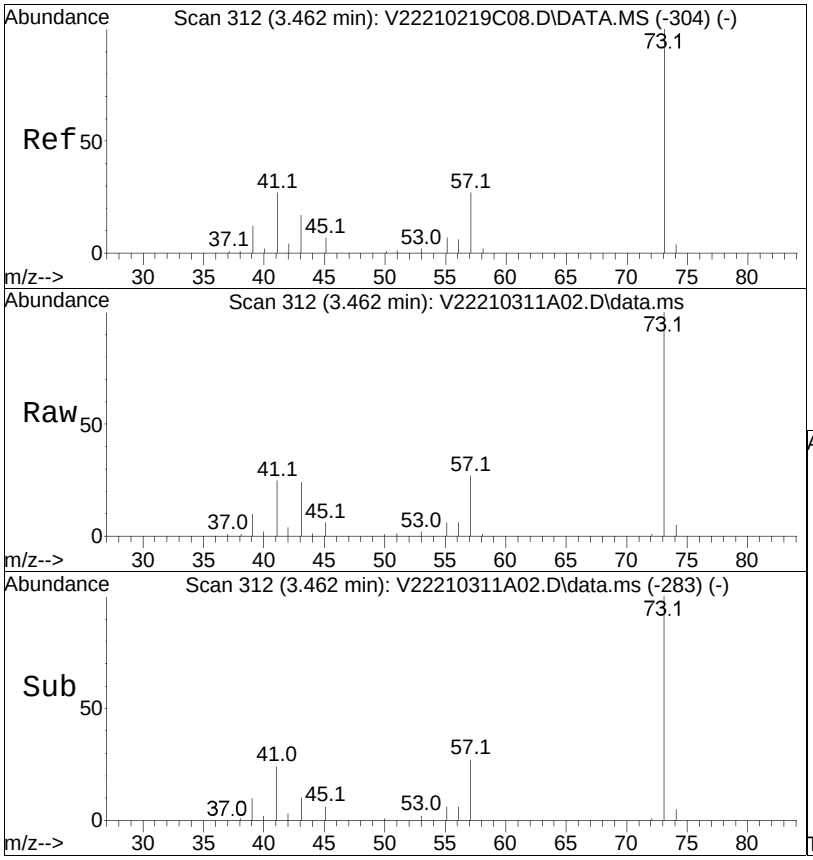


#18
trans-1,2-Dichloroethene
Concen: 10.38 ug/L
RT: 3.365 min Scan# 298
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 96 Resp: 65563

Ion	Ratio	Lower	Upper
96	100		
61	148.1	81.6	169.6
98	62.8	41.8	86.8
63	45.5	26.3	54.7

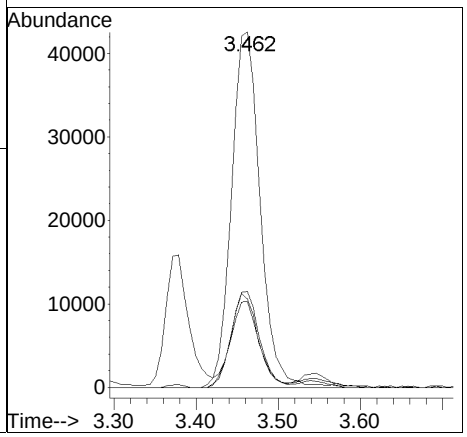


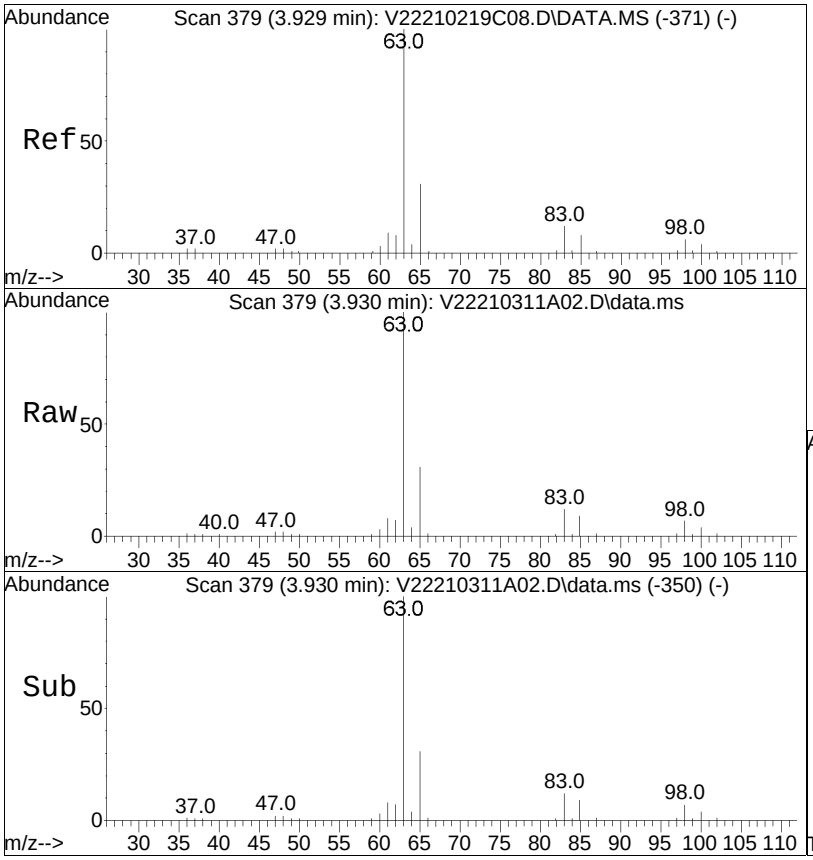


#21
Methyl tert-butyl ether
Concen: 8.47 ug/L
RT: 3.462 min Scan# 312
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 73 Resp: 103433

Ion	Ratio	Lower	Upper
73	100		
57	26.6	13.6	28.2
43	23.3	12.7	26.5
41	25.3	11.4	23.8#

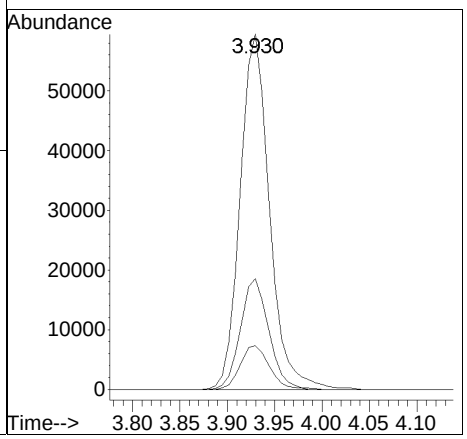


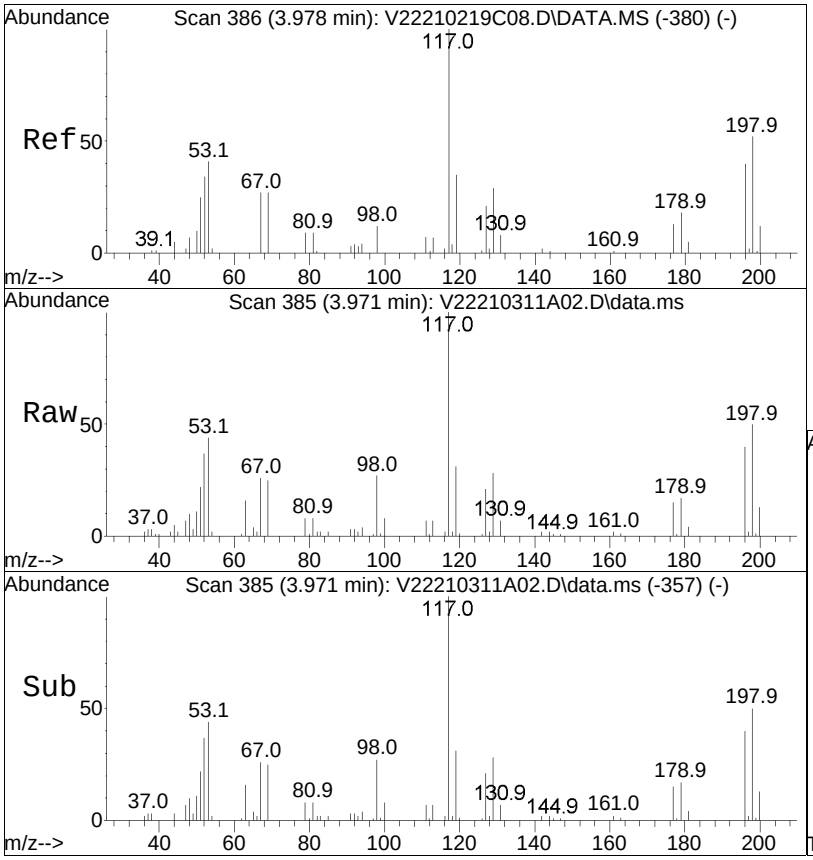


#25
1,1-Dichloroethane
Concen: 9.80 ug/L
RT: 3.930 min Scan# 379
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 63 Resp: 128069

Ion	Ratio	Lower	Upper
63	100		
65	30.1	11.9	51.9
83	12.2	0.0	34.2

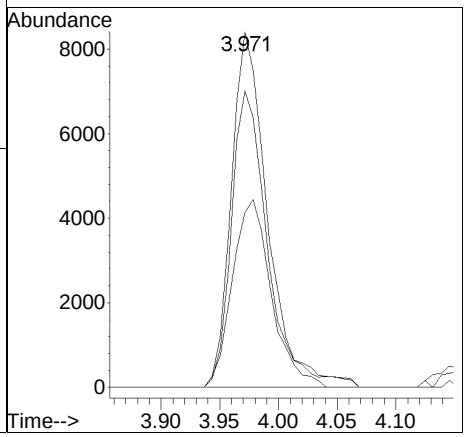


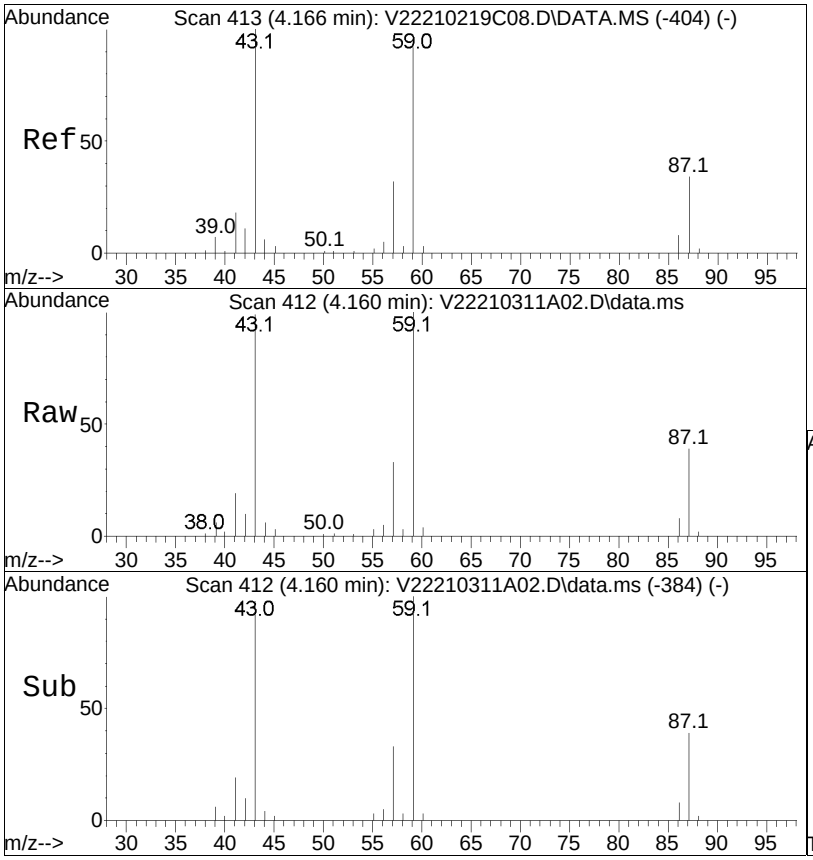


#27
Acrylonitrile
Concen: 9.39 ug/L
RT: 3.971 min Scan# 385
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 53 Resp: 18105

Ion	Ratio	Lower	Upper
53	100		
52	83.4	63.8	95.8
51	56.7	50.2	75.4

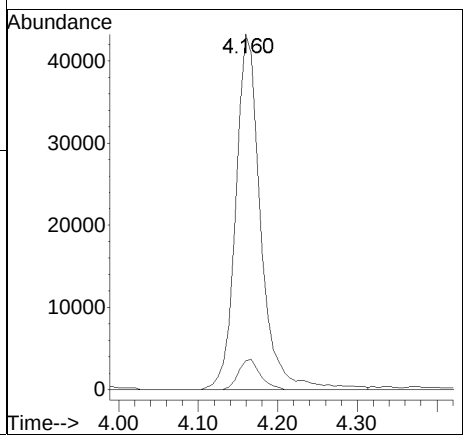


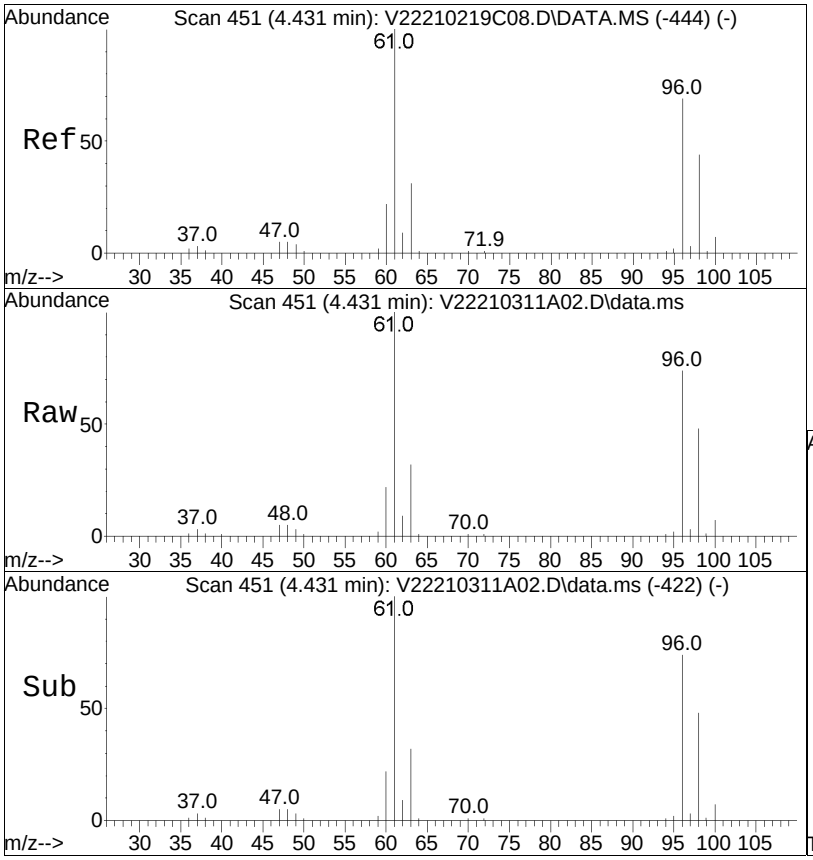


#29
Vinyl acetate
Concen: 7.42 ug/L
RT: 4.160 min Scan# 412
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 43 Resp: 94415

Ion	Ratio	Lower	Upper
43	100		
86	7.3	8.9	13.3#

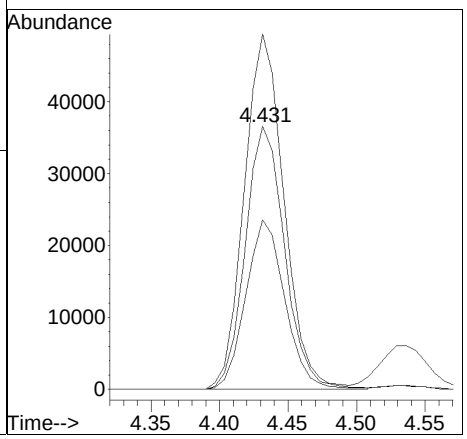


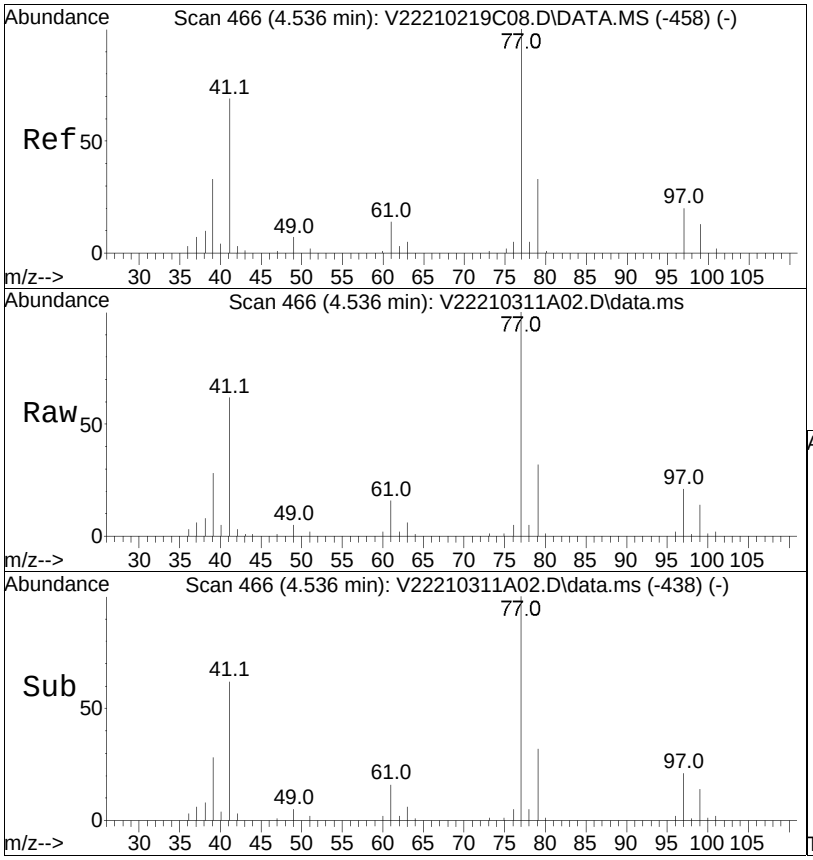


#30
cis-1,2-Dichloroethene
Concen: 10.01 ug/L
RT: 4.431 min Scan# 451
Delta R.T. 0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 96 Resp: 73174

Ion	Ratio	Lower	Upper
96	100		
61	135.9	90.3	135.5#
98	64.0	50.8	76.2

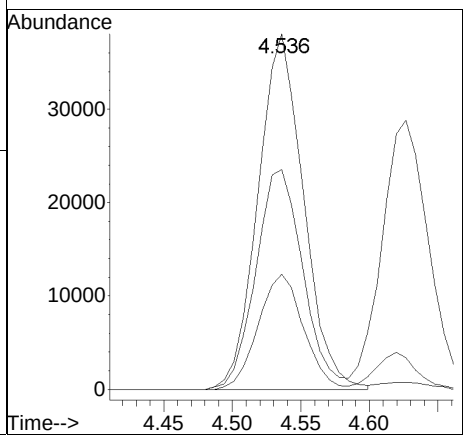


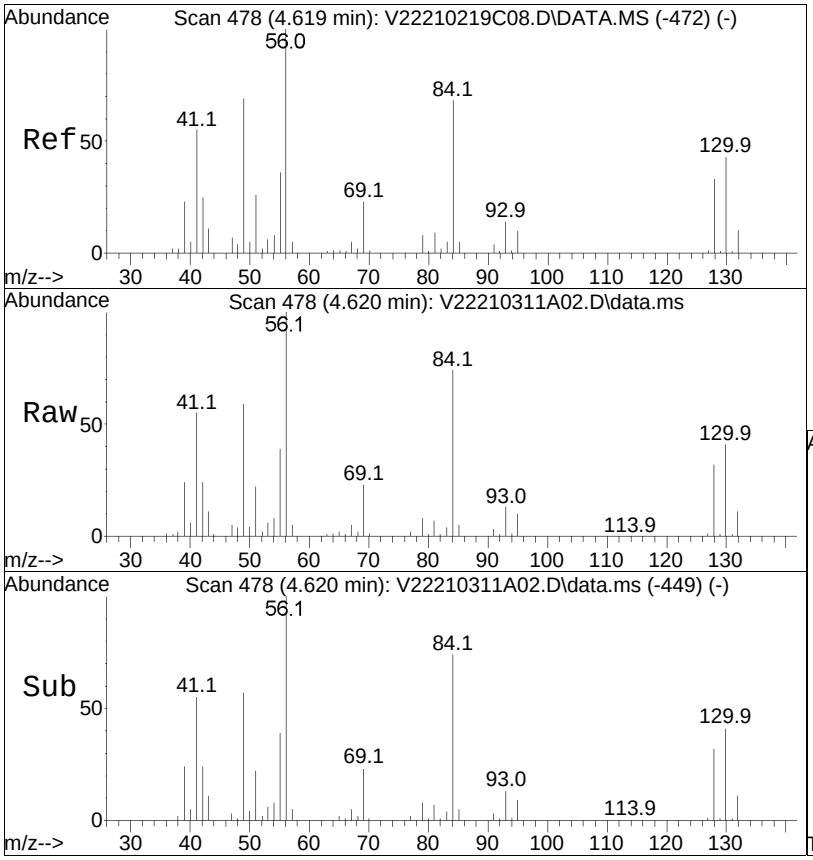


#31
2,2-Dichloropropane
Concen: 11.65 ug/L
RT: 4.536 min Scan# 466
Delta R.T. -0.002 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 77 Resp: 87853

Ion	Ratio	Lower	Upper
77	100		
41	64.2	32.3	67.1
79	32.3	21.1	43.7

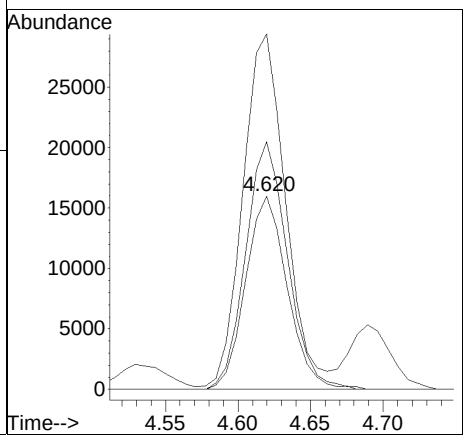


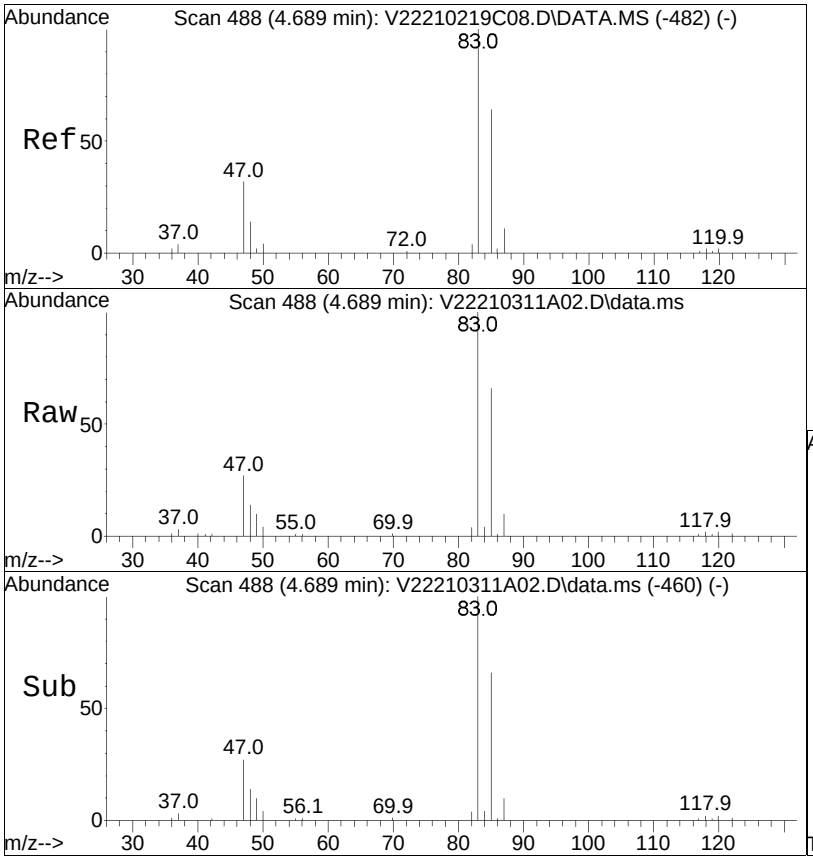


#32
Bromochloromethane
Concen: 10.35 ug/L
RT: 4.620 min Scan# 478
Delta R.T. 0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:128 Resp: 31954

Ion	Ratio	Lower	Upper
128	100		
49	188.3	104.4	156.6#
130	128.8	103.9	155.9

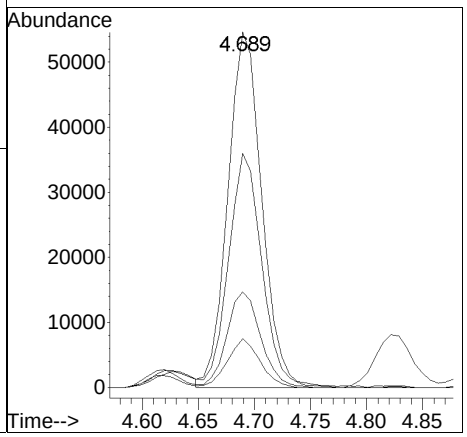


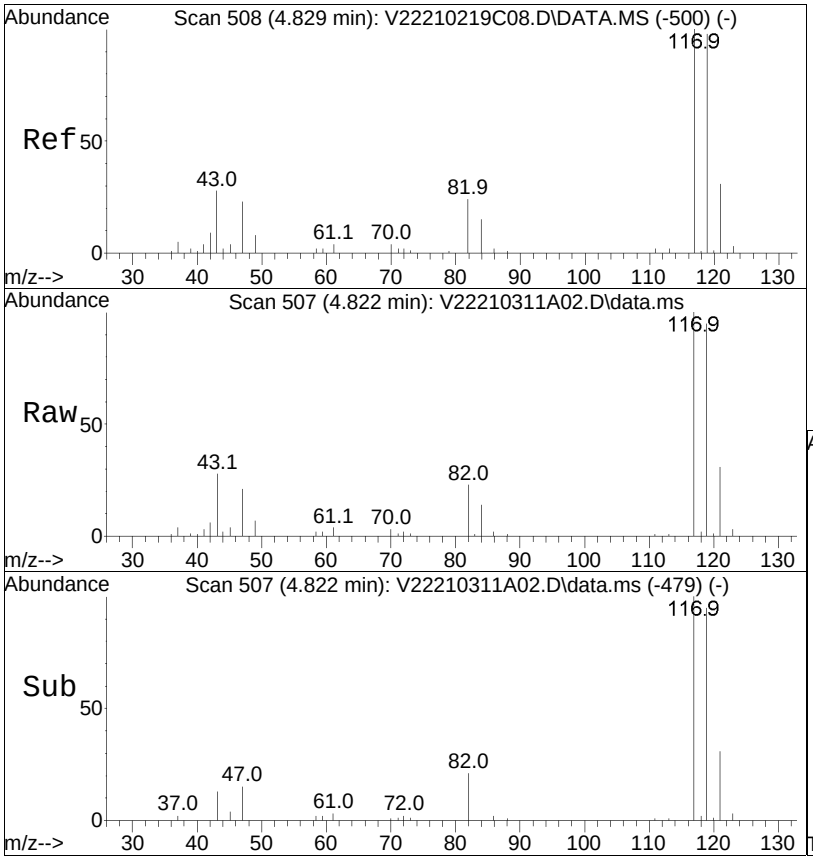


#34
Chloroform
Concen: 9.84 ug/L
RT: 4.689 min Scan# 488
Delta R.T. -0.004 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 83 Resp: 115335

Ion	Ratio	Lower	Upper
83	100		
85	64.1	42.4	88.2
47	26.8	14.0	29.0
48	13.1	6.9	14.3

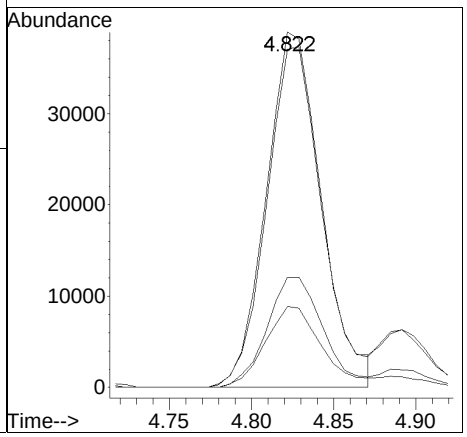


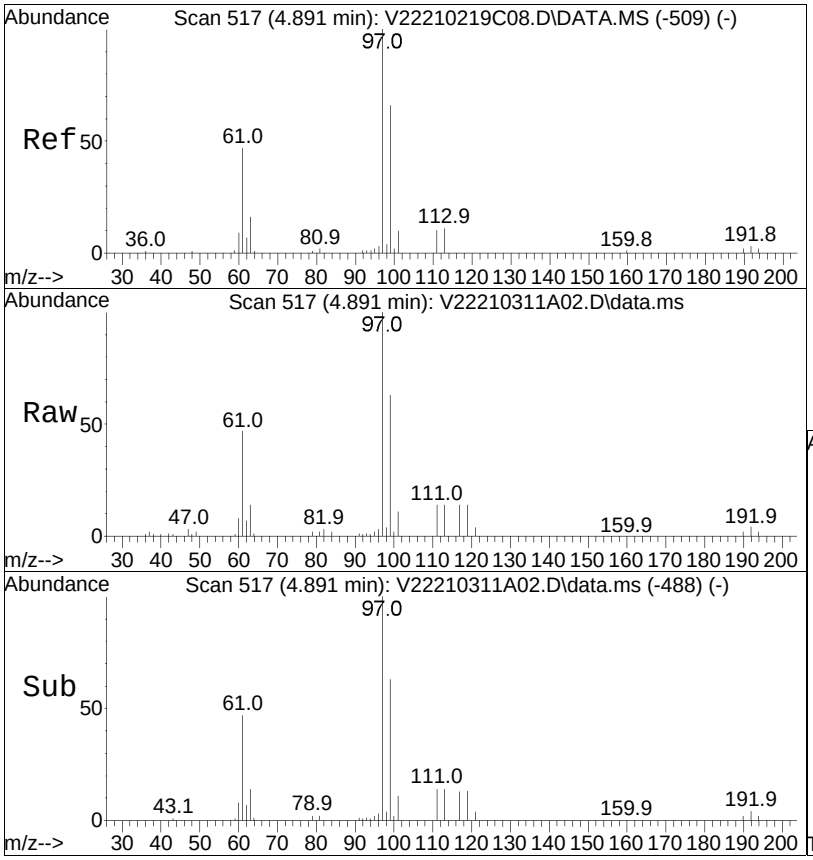


#36
Carbon tetrachloride
Concen: 9.81 ug/L
RT: 4.822 min Scan# 507
Delta R.T. -0.004 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:117 Resp: 90936

Ion	Ratio	Lower	Upper
117	100		
119	95.9	62.1	129.1
121	31.7	20.3	42.3
82	23.3	15.4	32.0

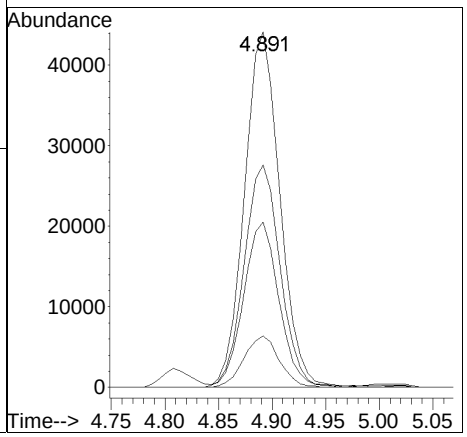


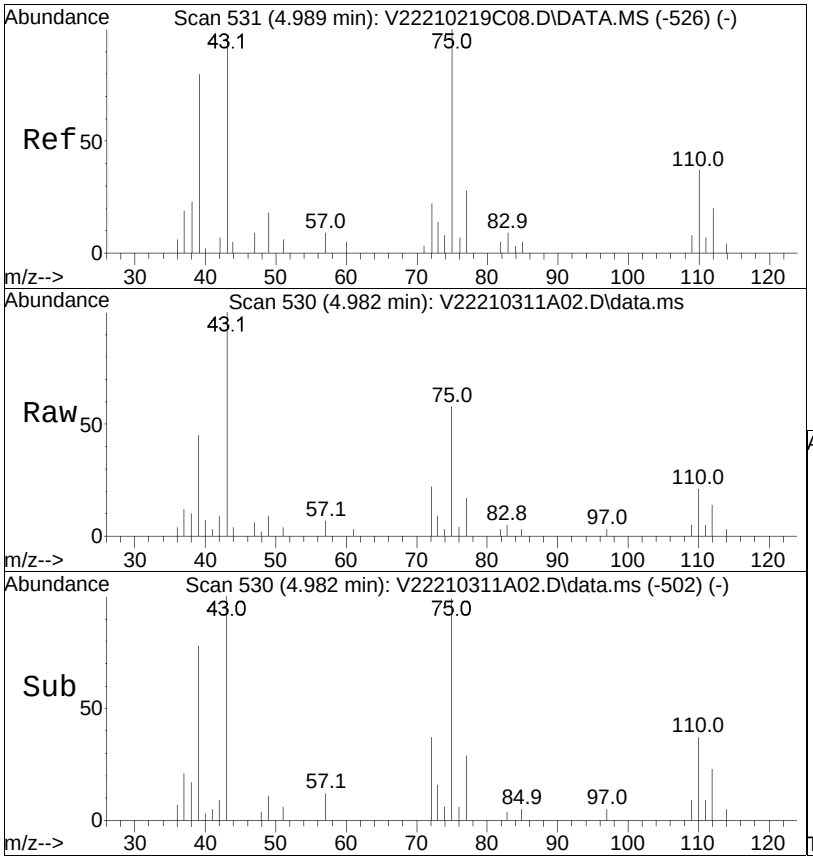


#39
1,1,1-Trichloroethane
Concen: 9.99 ug/L
RT: 4.891 min Scan# 517
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 97 Resp: 101824

Ion	Ratio	Lower	Upper
97	100		
99	63.5	42.4	88.0
61	46.4	26.0	54.0
63	14.4	8.3	17.3

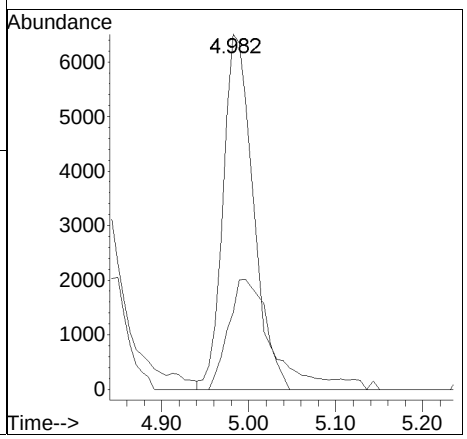


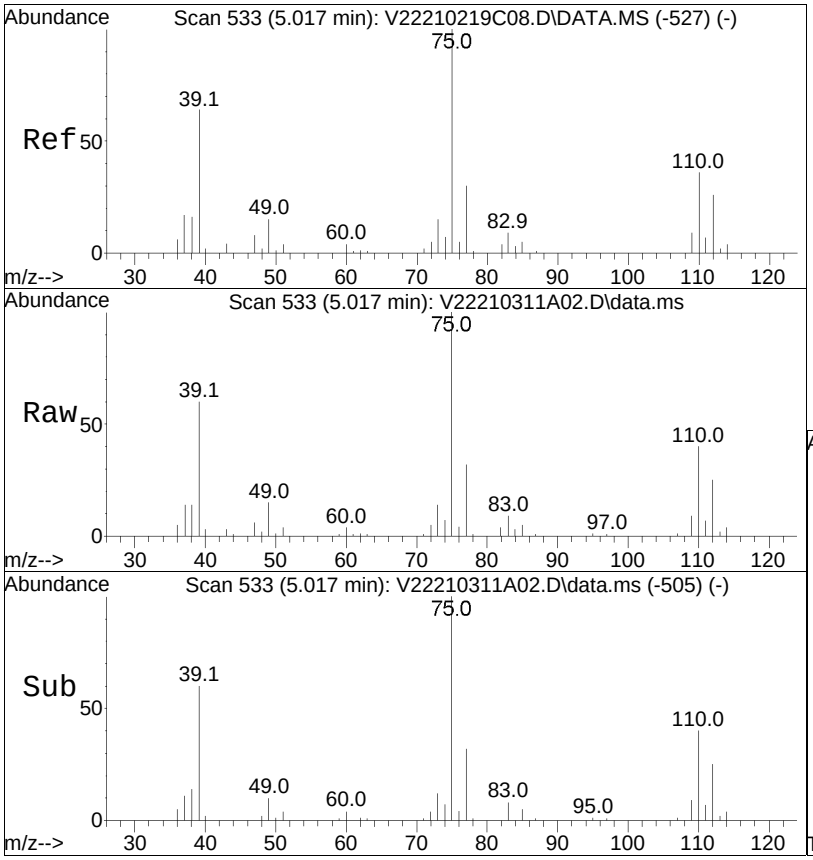


#41
2-Butanone
Concen: 8.57 ug/L M1
RT: 4.982 min Scan# 530
Delta R.T. -0.006 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 43 Resp: 15657

Ion	Ratio	Lower	Upper
43	100		
72	33.3	45.8	68.8#

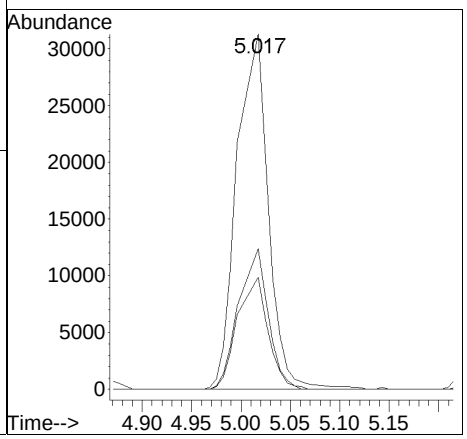


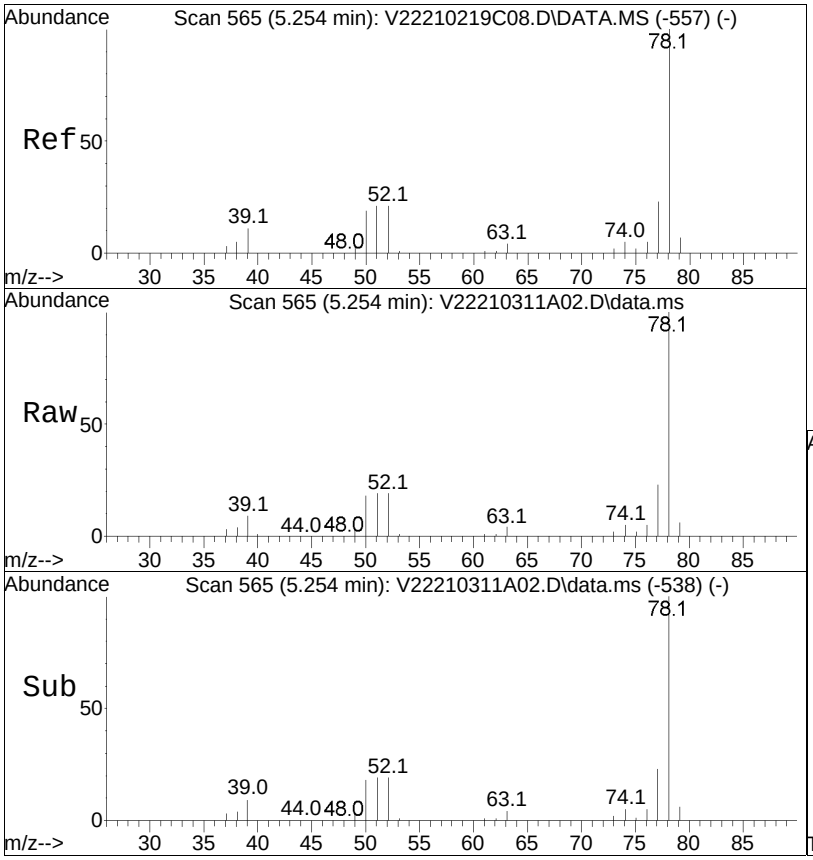


#42
1,1-Dichloropropene
Concen: 9.29 ug/L
RT: 5.017 min Scan# 533
Delta R.T. 0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 75 Resp: 51623

Ion	Ratio	Lower	Upper
75	100		
110	38.8	25.4	52.8
77	31.8	20.3	42.1

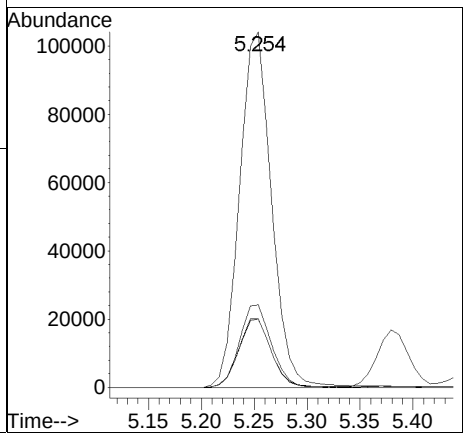


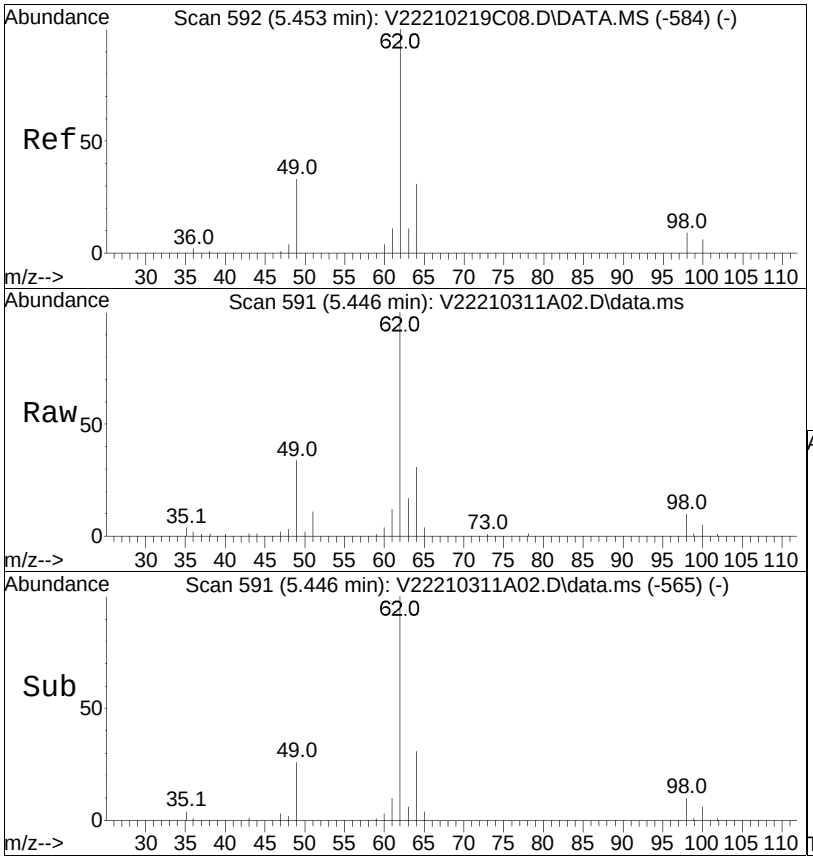


#44
Benzene
Concen: 9.63 ug/L
RT: 5.254 min Scan# 565
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 78 Resp: 219373

Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.4	32.0
51	19.7	9.8	20.4
52	19.4	9.2	19.2#

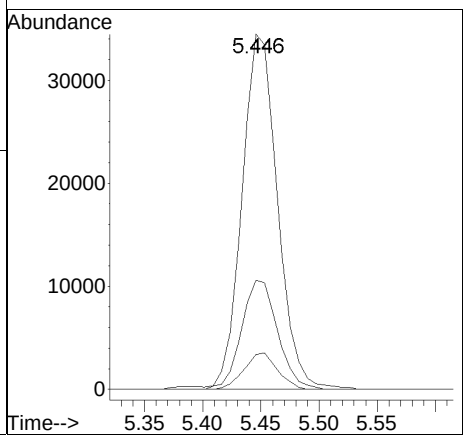


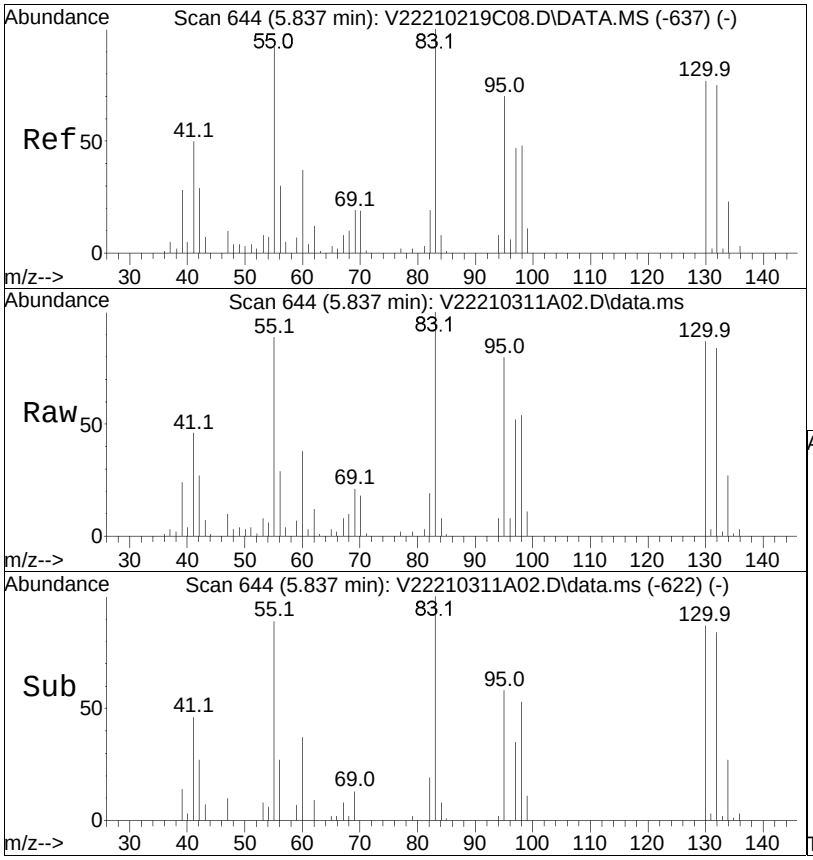


#47
1,2-Dichloroethane
Concen: 8.77 ug/L
RT: 5.446 min Scan# 591
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 62 Resp: 73068

Ion	Ratio	Lower	Upper
62	100		
64	32.0	12.3	52.3
98	9.7	0.0	30.3

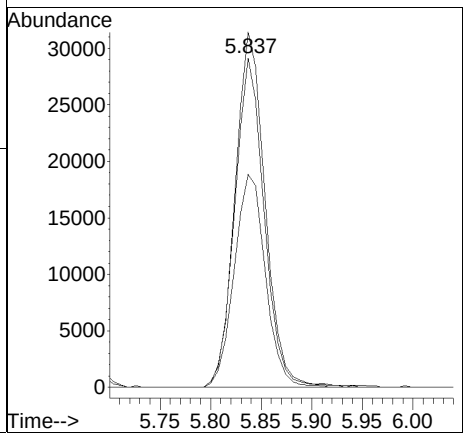


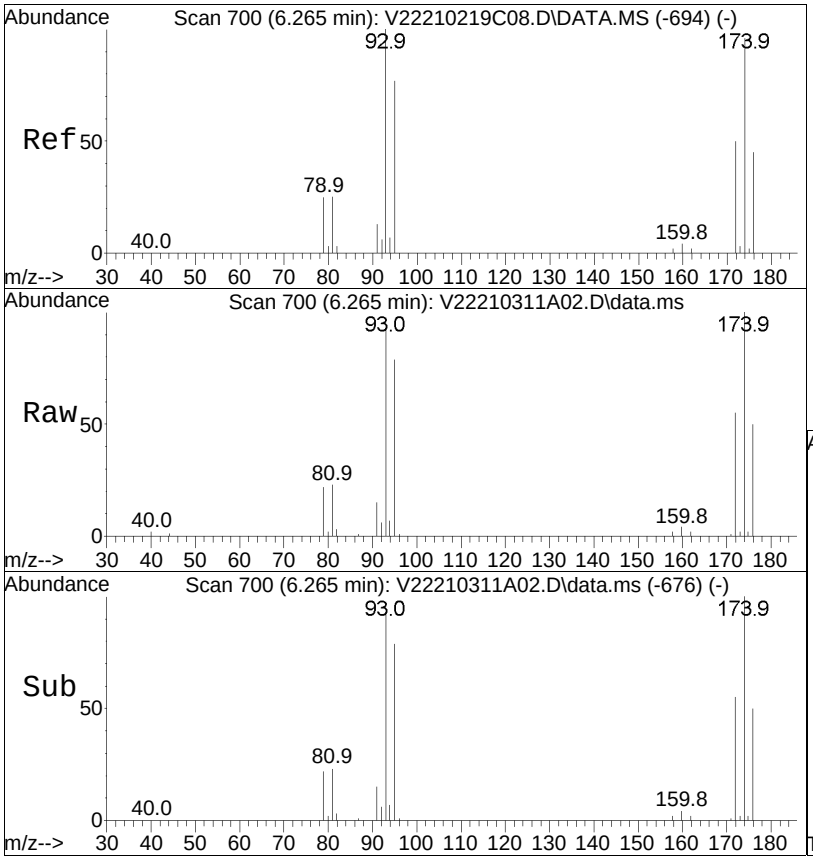


#51
Trichloroethene
Concen: 9.72 ug/L
RT: 5.837 min Scan# 644
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 95 Resp: 59182

Ion	Ratio	Lower	Upper
95	100		
97	68.4	55.0	82.4
130	110.5	89.2	133.8

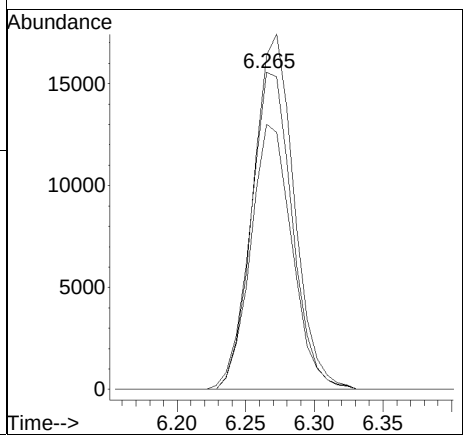


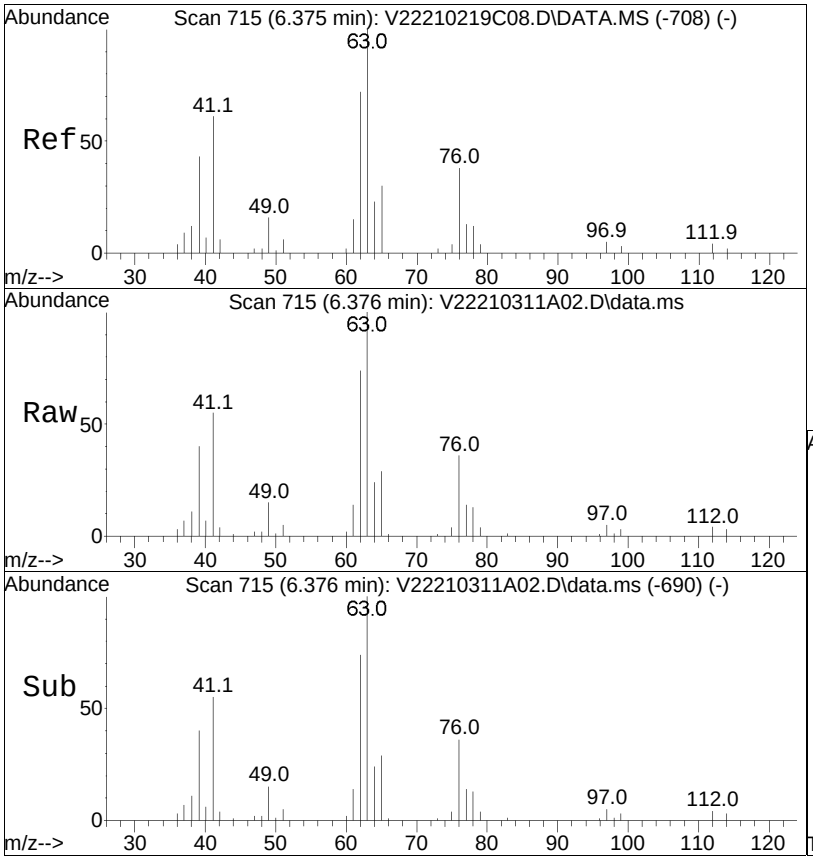


#53
Dibromomethane
Concen: 9.10 ug/L
RT: 6.265 min Scan# 700
Delta R.T. -0.008 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 93 Resp: 32628

Ion	Ratio	Lower	Upper
93	100		
95	83.6	68.0	102.0
174	111.0	106.1	159.1

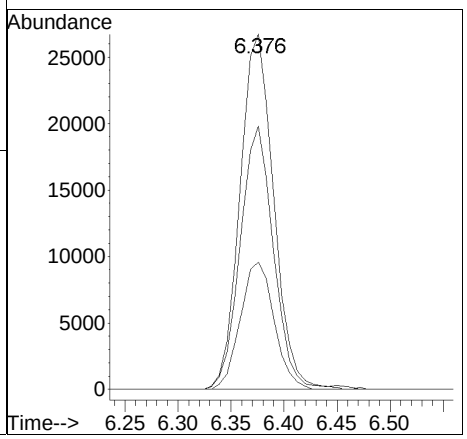


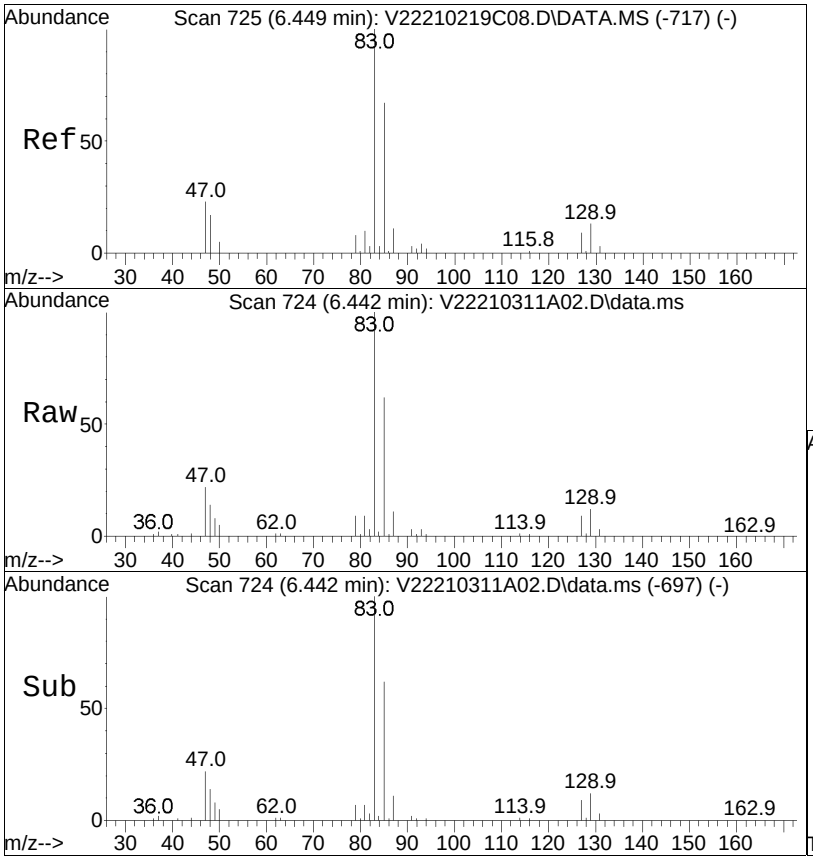


#54
1,2-Dichloropropane
Concen: 9.09 ug/L
RT: 6.376 min Scan# 715
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 63 Resp: 59320

Ion	Ratio	Lower	Upper
63	100		
62	72.9	56.9	85.3
76	35.8	35.8	53.8#

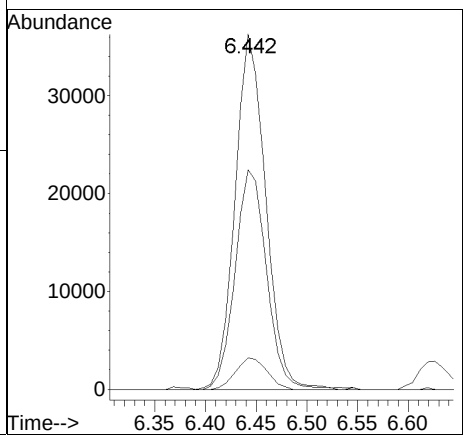


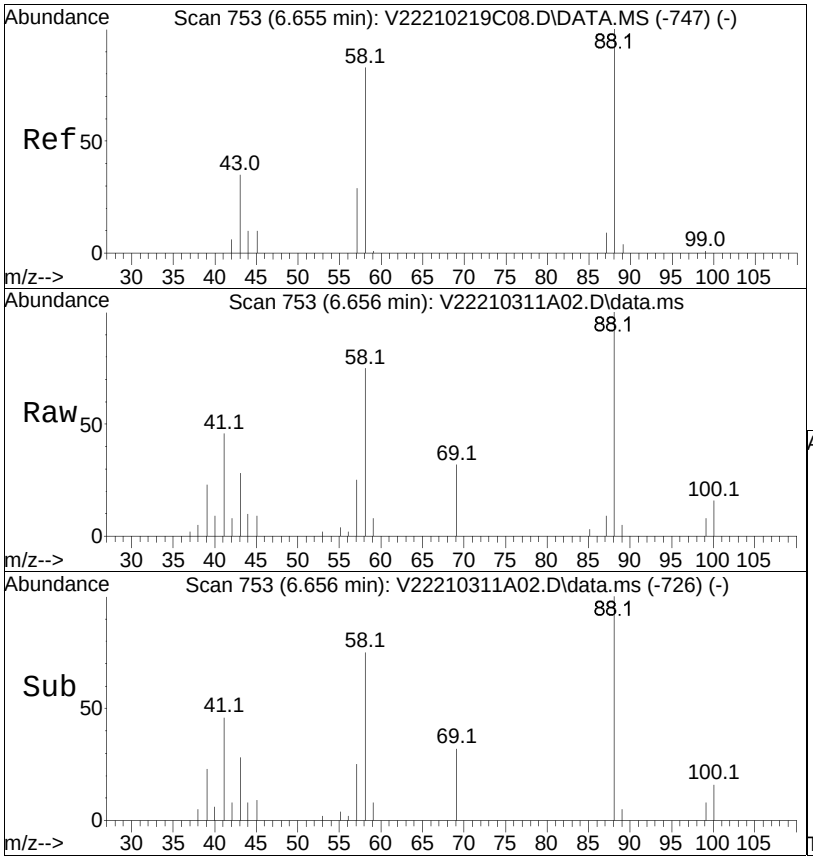


#57
Bromodichloromethane
Concen: 9.47 ug/L
RT: 6.442 min Scan# 724
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 83 Resp: 76344

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.6	77.4
127	9.1	7.4	11.0

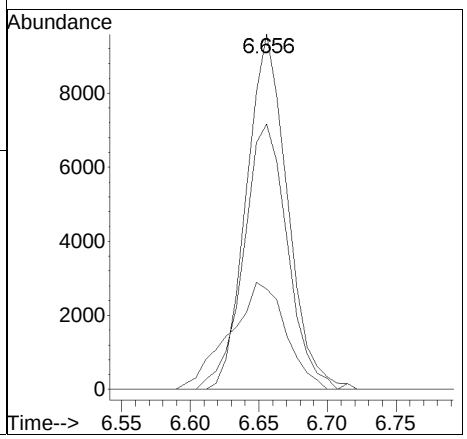


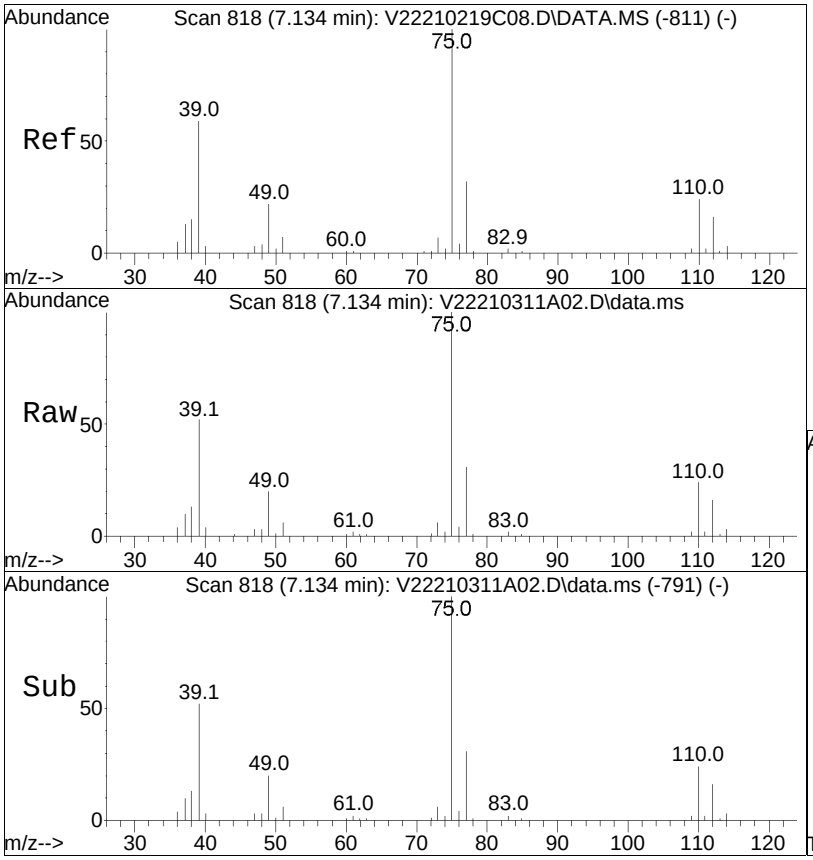


#60
1,4-Dioxane
Concen: 493.54 ug/L
RT: 6.656 min Scan# 753
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 88 Resp: 19917

Ion	Ratio	Lower	Upper
88	100		
58	80.4	43.3	64.9#
43	41.3	15.1	22.7#

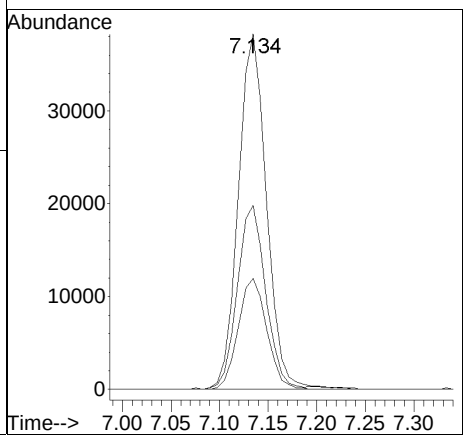


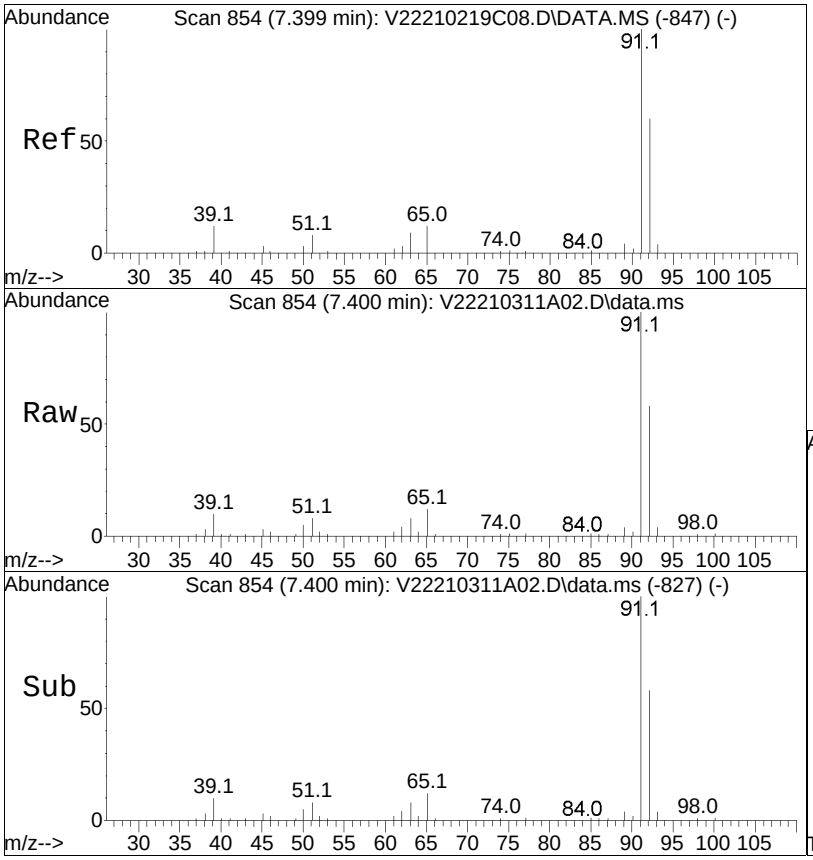


#61
cis-1,3-Dichloropropene
Concen: 8.09 ug/L
RT: 7.134 min Scan# 818
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 75 Resp: 77292

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.6	38.4
39	52.9	35.4	53.0

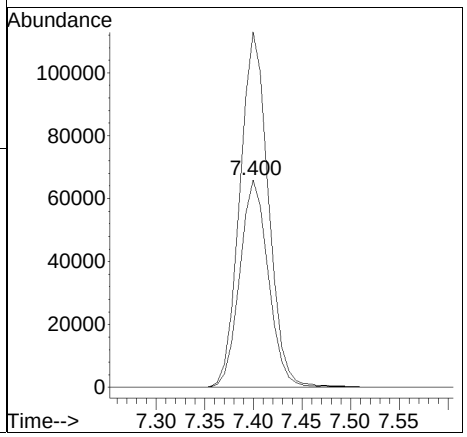


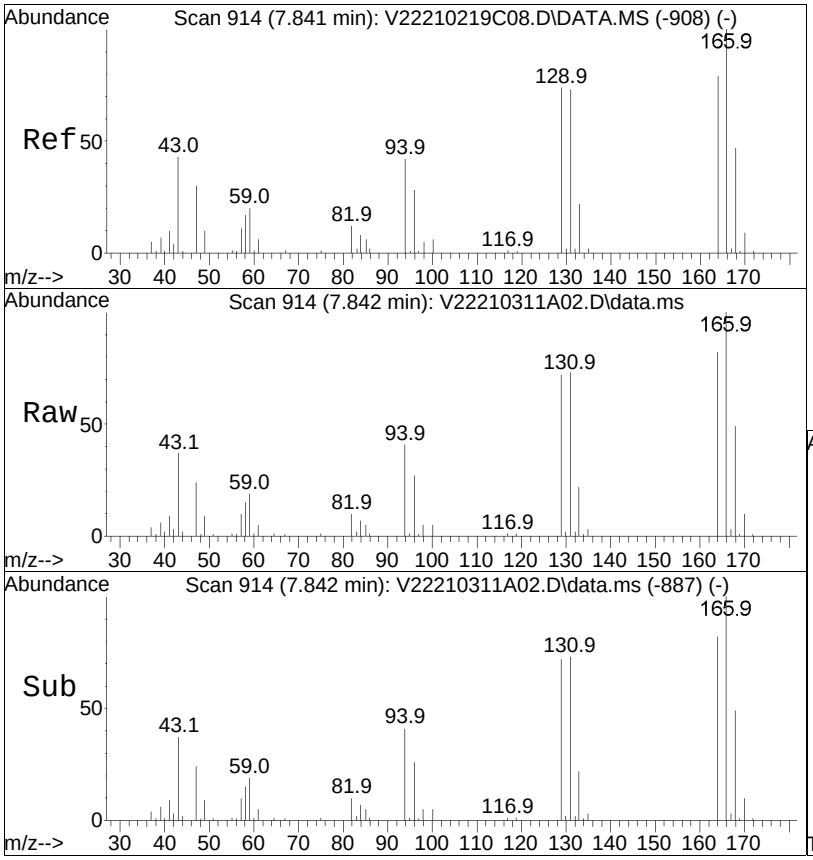


#64
Toluene
Concen: 9.25 ug/L
RT: 7.400 min Scan# 854
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 92 Resp: 135152

Ion	Ratio	Lower	Upper
92	100		
91	170.6	137.0	205.6

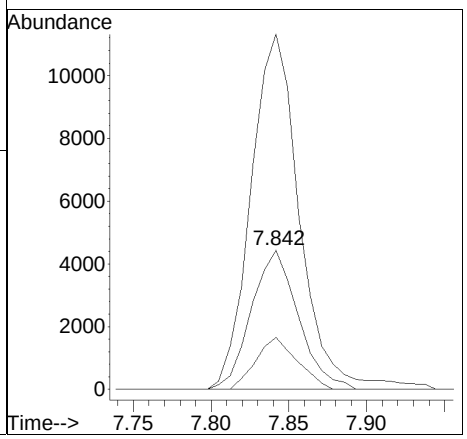


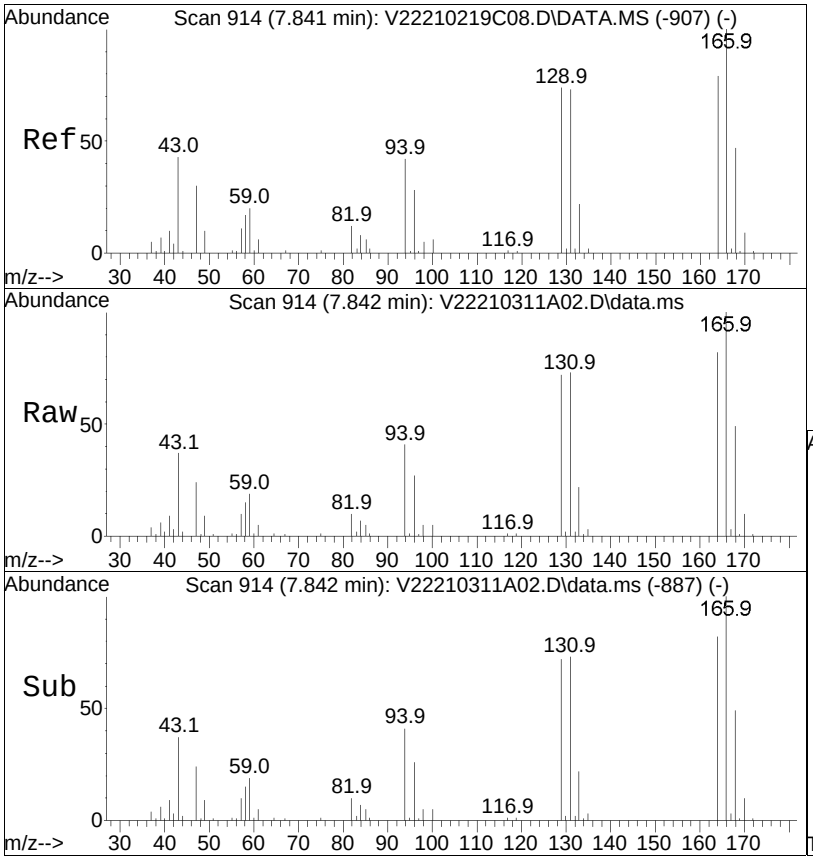


#65
4-Methyl-2-pentanone
Concen: 6.29 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 58 Resp: 9323

Ion	Ratio	Lower	Upper
58	100		
100	33.0	36.2	54.4#
43	265.6	181.8	272.8

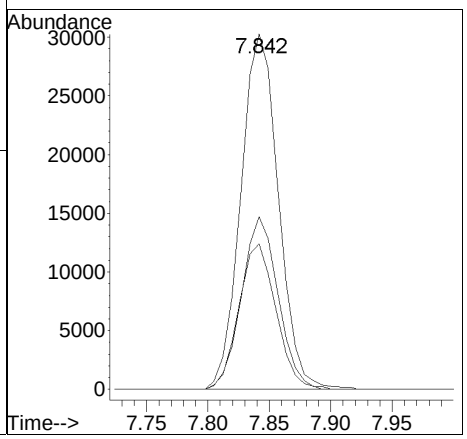


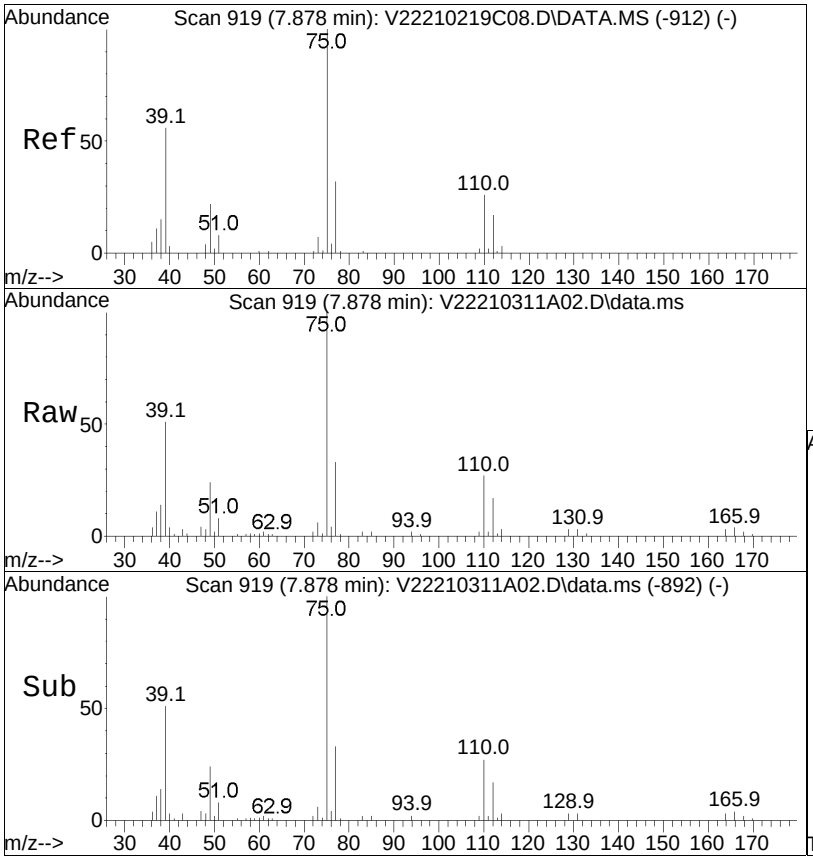


#66
Tetrachloroethene
Concen: 9.07 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:166 Resp: 64535

Ion	Ratio	Lower	Upper
166	100		
168	47.2	27.8	67.8
94	40.3	16.7	56.7

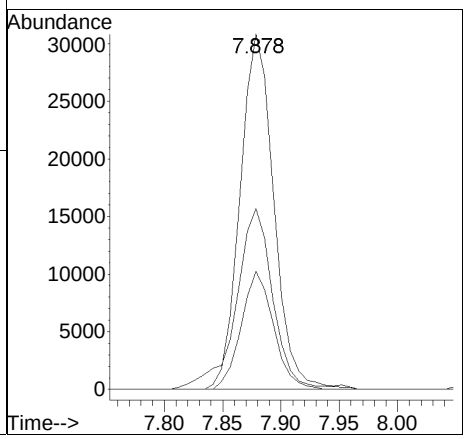


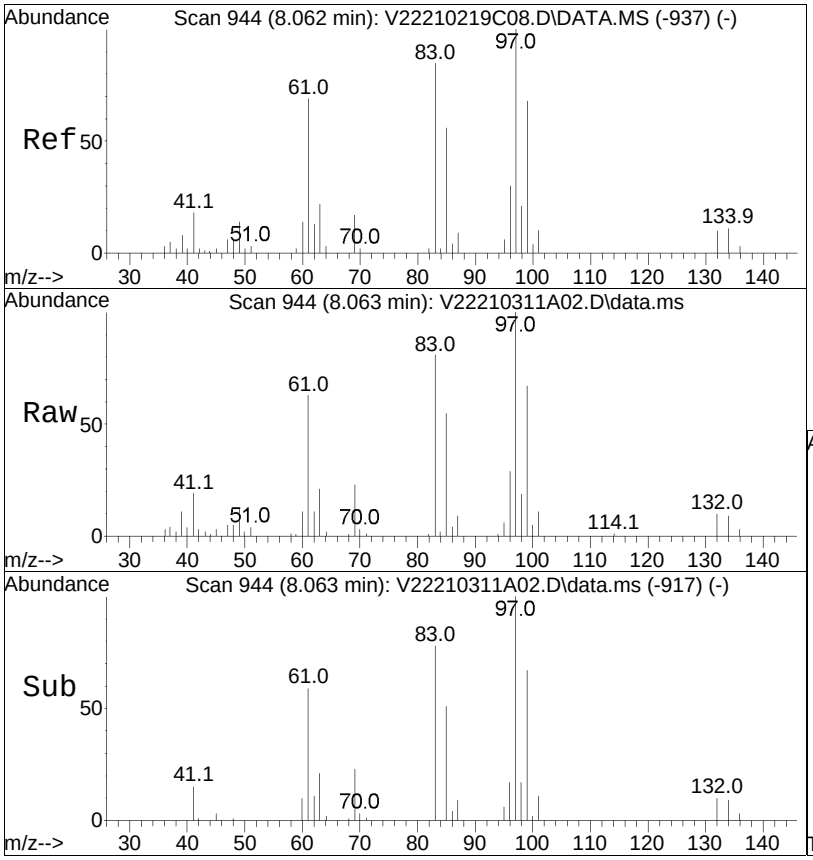


#68
trans-1,3-Dichloropropene
Concen: 8.48 ug/L
RT: 7.878 min Scan# 919
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 75 Resp: 62137

Ion	Ratio	Lower	Upper
75	100		
77	31.9	11.9	51.9
39	55.4	27.4	67.4

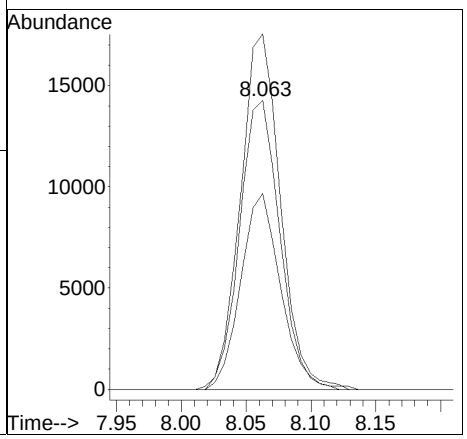


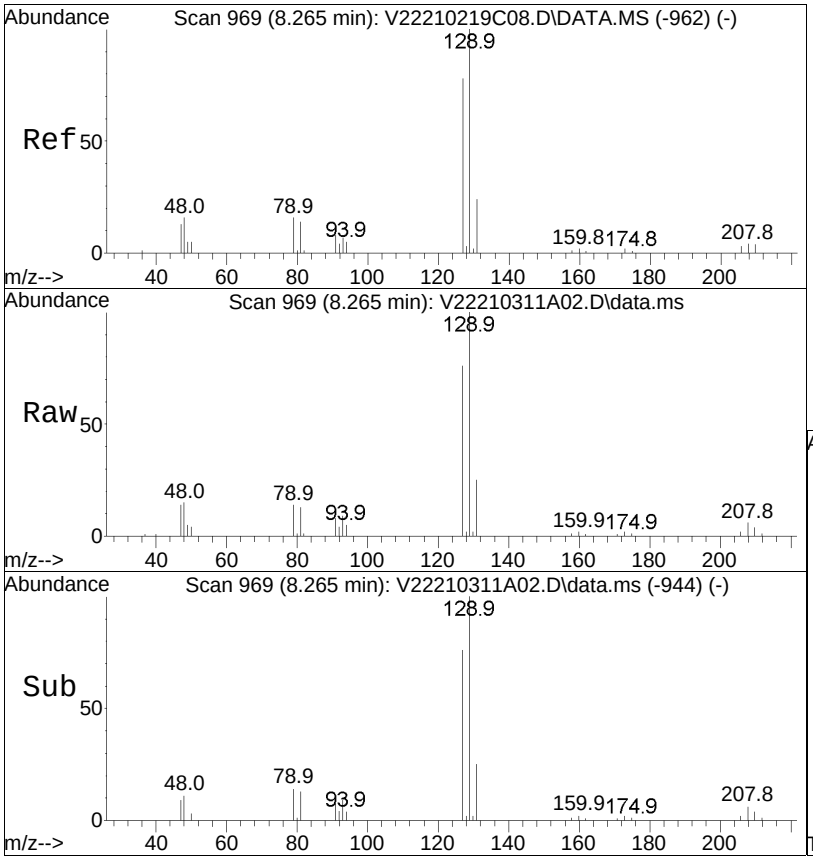


#71
1,1,2-Trichloroethane
Concen: 8.06 ug/L
RT: 8.063 min Scan# 944
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 83 Resp: 30841

Ion	Ratio	Lower	Upper
83	100		
97	122.1	103.4	143.4
85	67.1	47.9	87.9

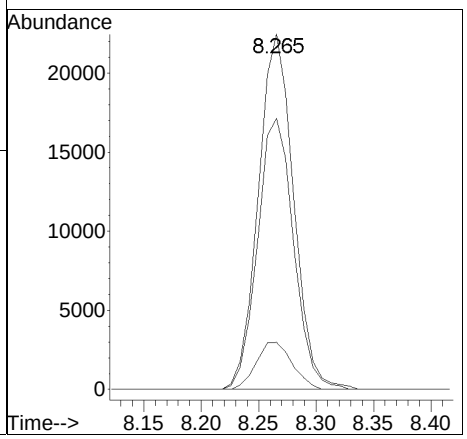


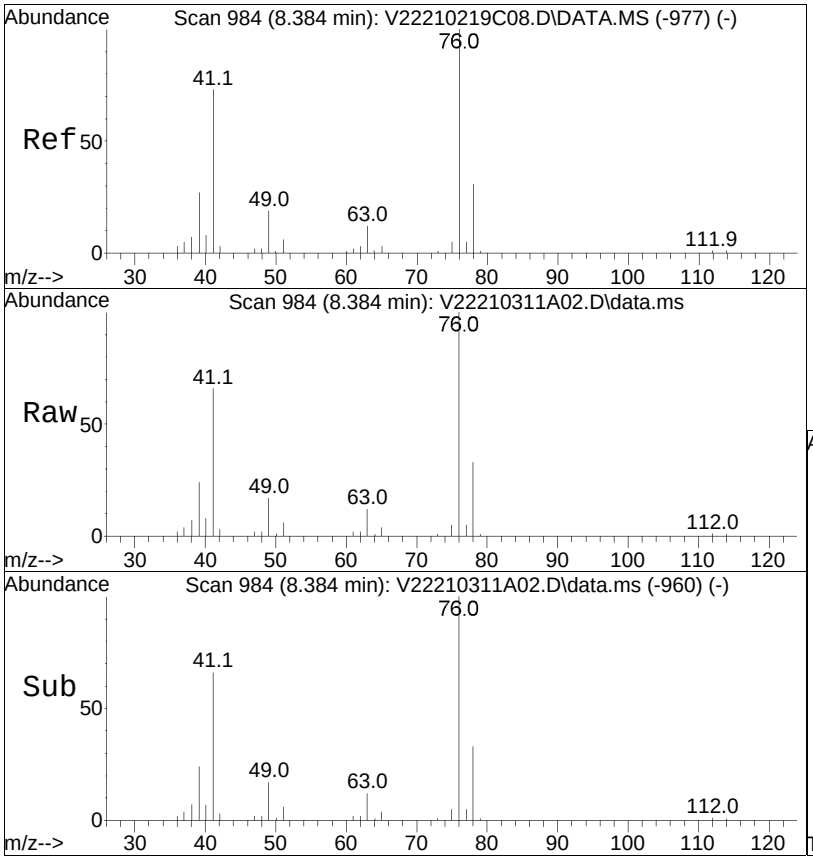


#72
Chlorodibromomethane
Concen: 8.19 ug/L
RT: 8.265 min Scan# 969
Delta R.T. 0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:129 Resp: 53166

Ion	Ratio	Lower	Upper
129	100		
81	12.3	0.0	33.8
127	78.5	57.1	97.1

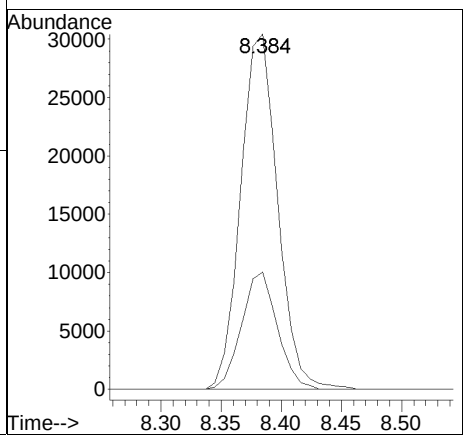


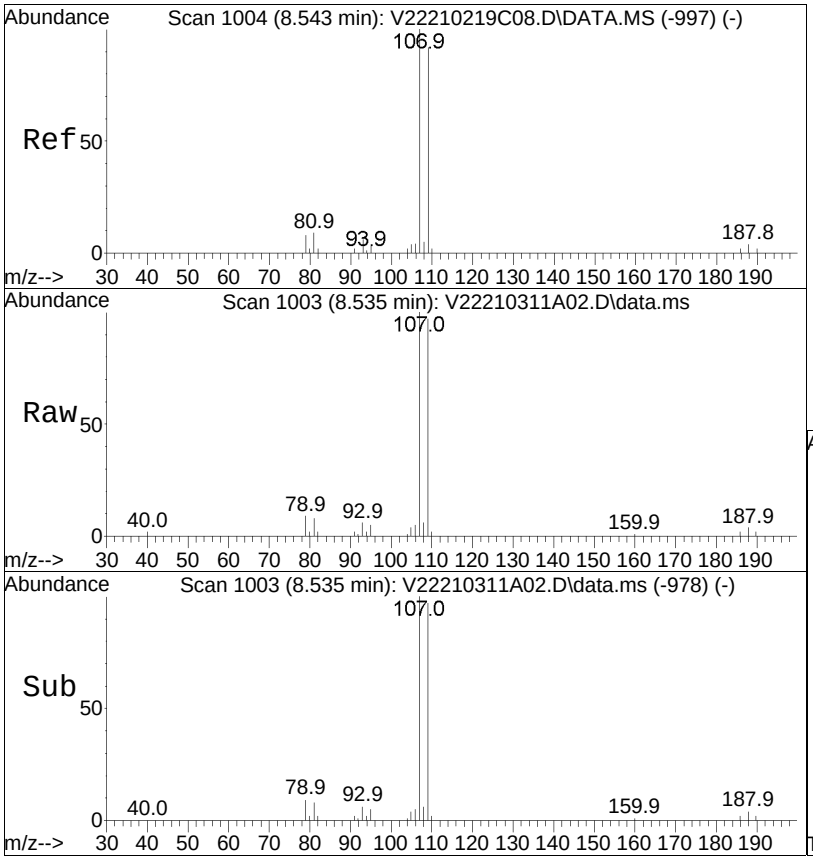


#73
1,3-Dichloropropane
Concen: 9.19 ug/L
RT: 8.384 min Scan# 984
Delta R.T. 0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 76 Resp: 64971

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.7	38.5

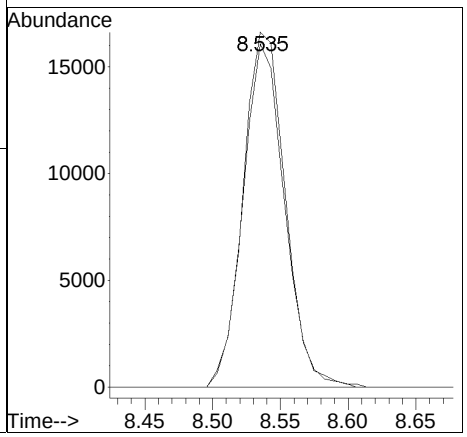


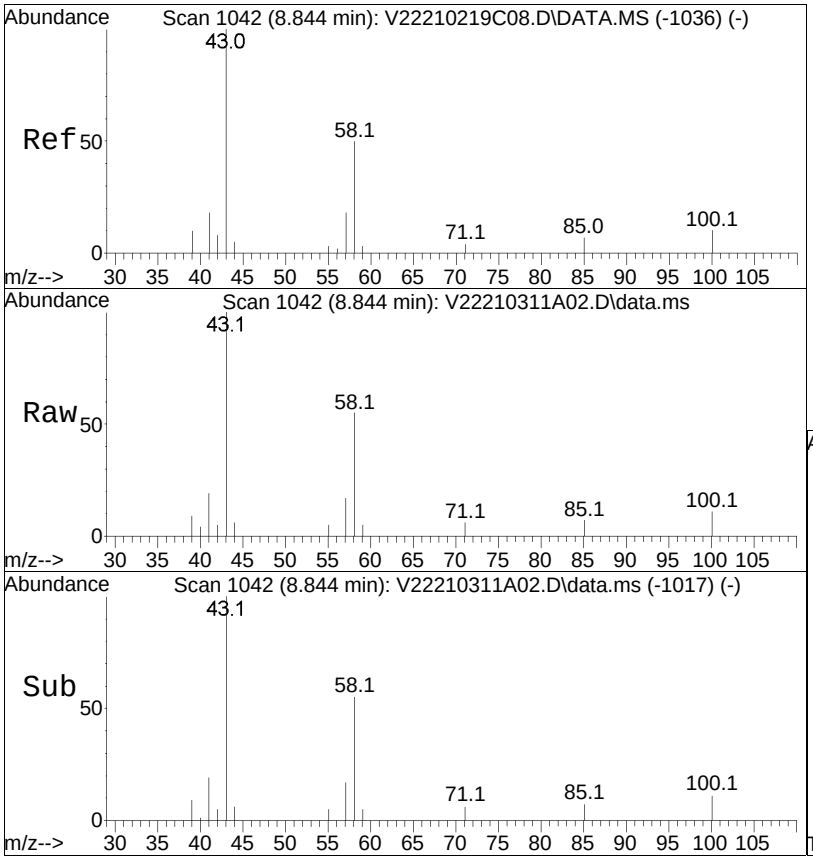


#74
1,2-Dibromoethane
Concen: 7.96 ug/L
RT: 8.535 min Scan# 1003
Delta R.T. -0.004 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:107 Resp: 36066

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.1	112.7

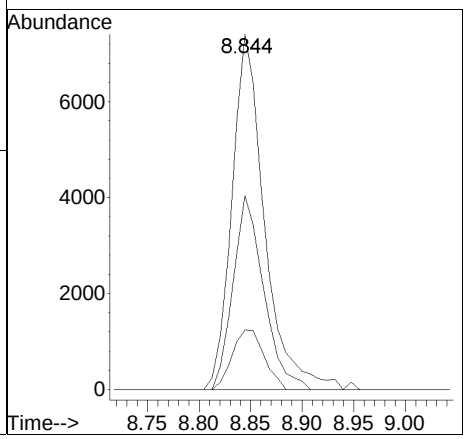


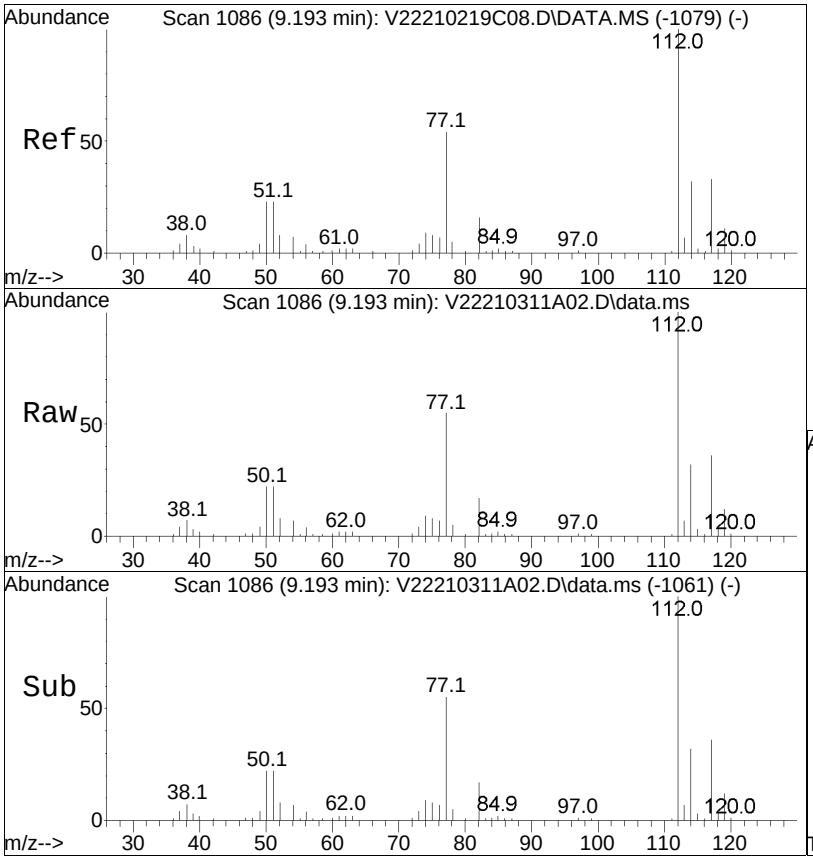


#76
2-Hexanone
Concen: 6.35 ug/L
RT: 8.844 min Scan# 1042
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 43 Resp: 16267

Ion	Ratio	Lower	Upper
43	100		
58	51.2	47.6	71.4
57	16.4	16.6	24.8#

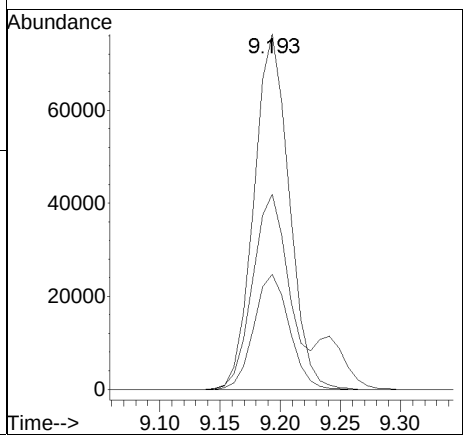


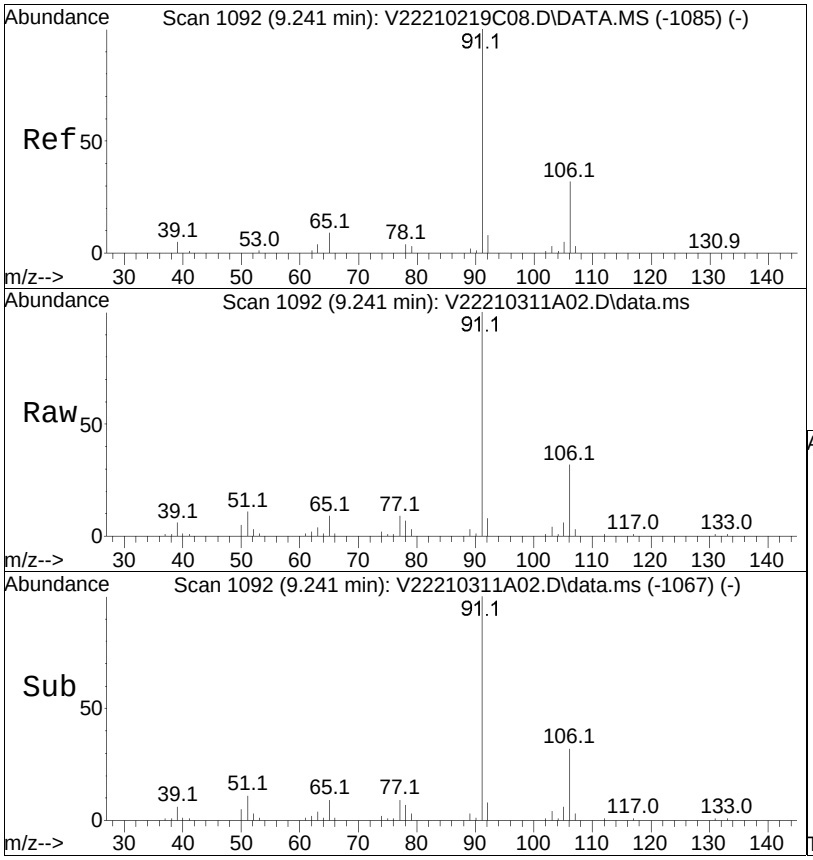


#77
Chlorobenzene
Concen: 9.09 ug/L
RT: 9.193 min Scan# 1086
Delta R.T. -0.004 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:112 Resp: 155181

Ion	Ratio	Lower	Upper
112	100		
77	57.8	55.4	83.0
114	32.6	26.2	39.4

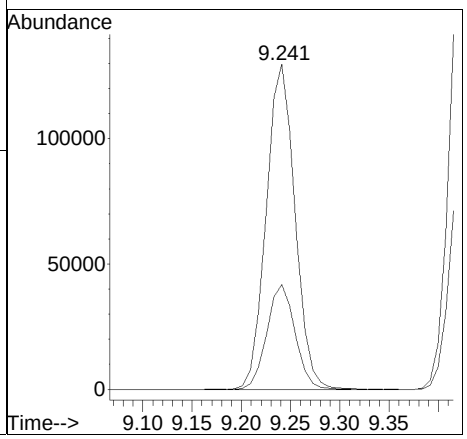


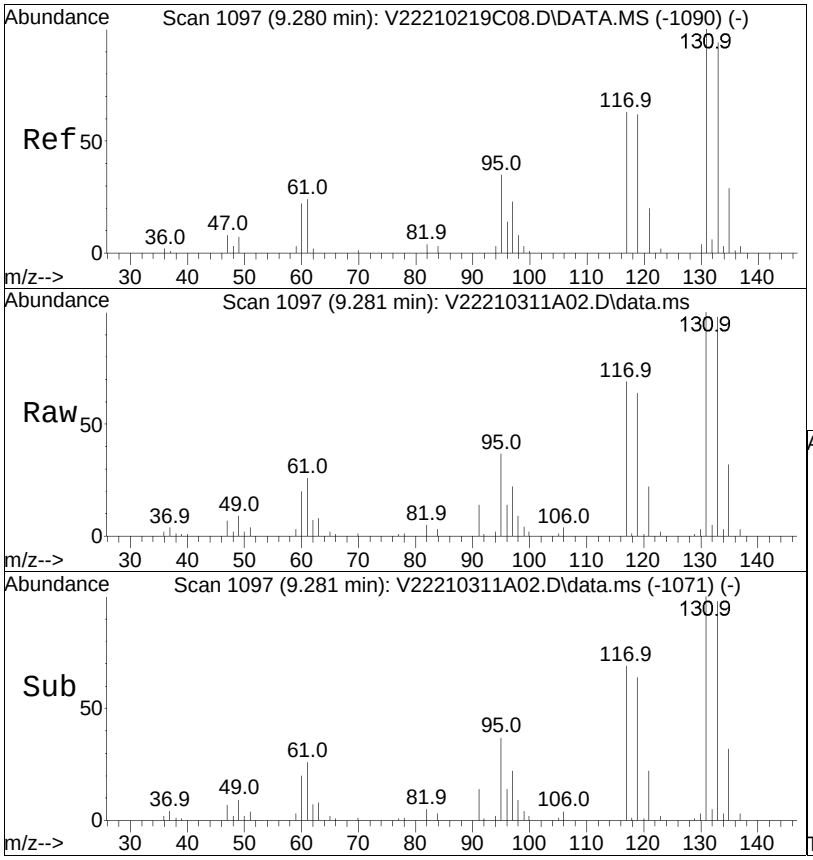


#78
Ethylbenzene
Concen: 9.45 ug/L
RT: 9.241 min Scan# 1092
Delta R.T. -0.003 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 91 Resp: 263409

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.8	38.6

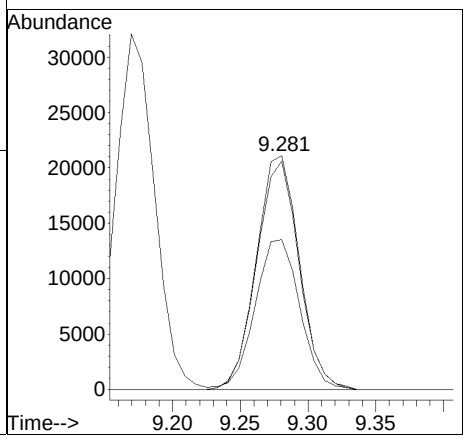


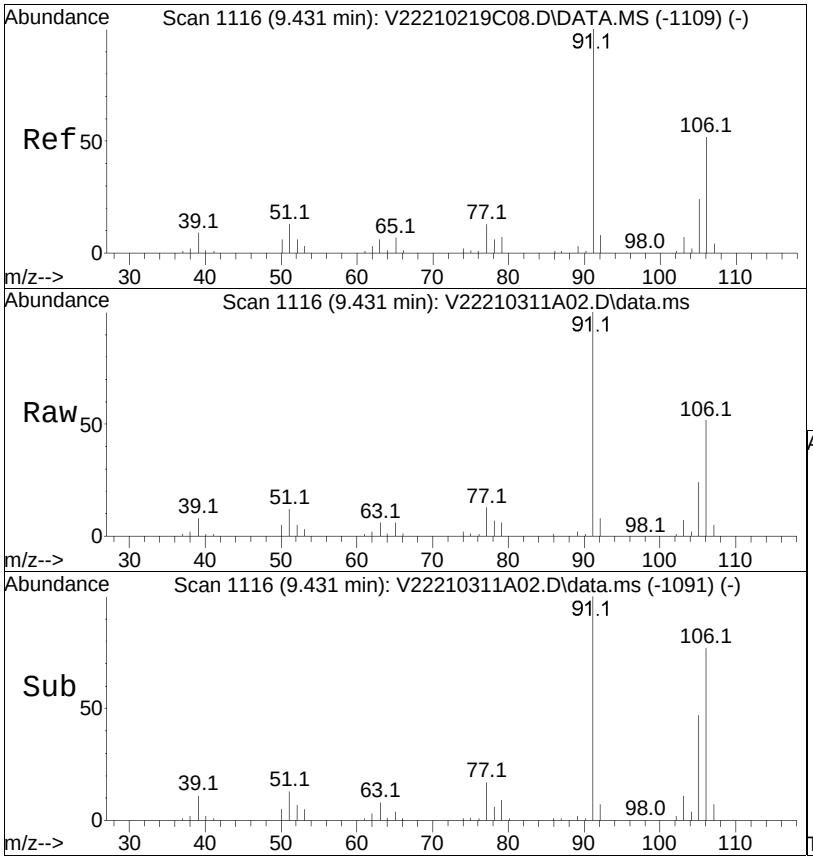


#79
1,1,1,2-Tetrachloroethane
Concen: 8.25 ug/L
RT: 9.281 min Scan# 1097
Delta R.T. 0.005 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:131 Resp: 46730

Ion	Ratio	Lower	Upper
131	100		
133	96.3	75.3	115.3
119	66.3	49.3	89.3

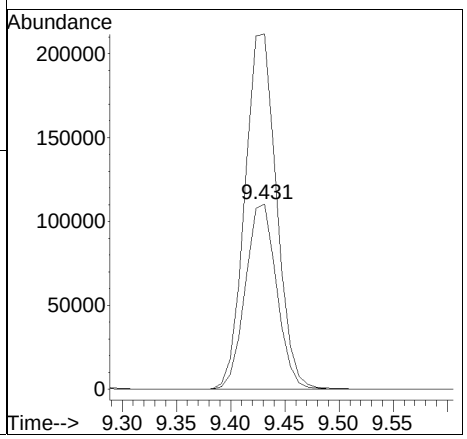


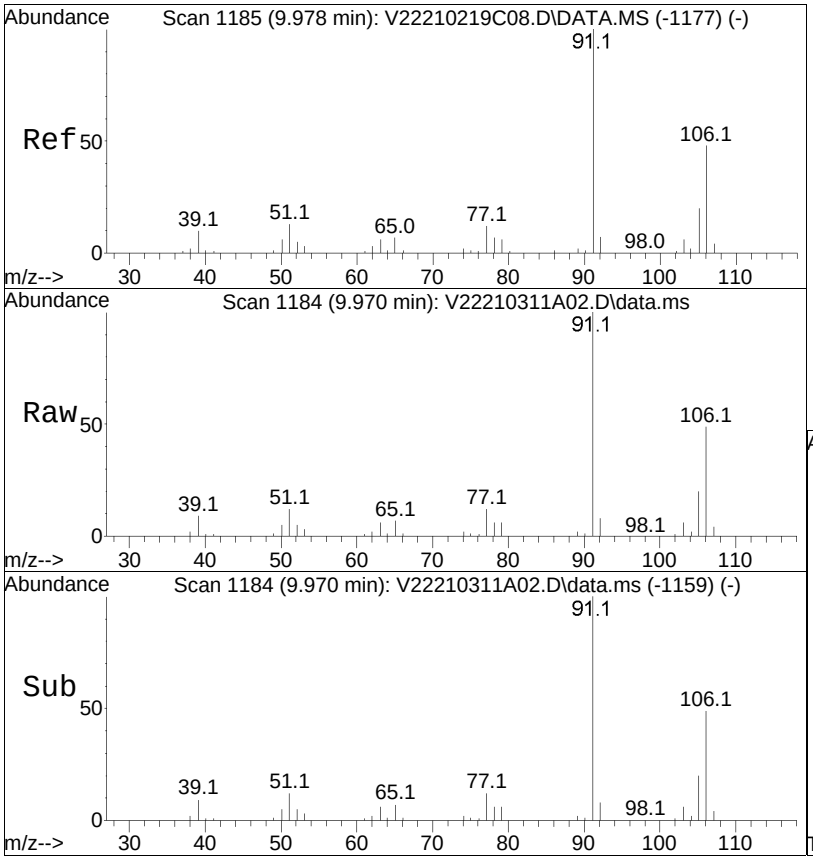


#80
p/m Xylene
Concen: 19.91 ug/L
RT: 9.431 min Scan# 1116
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:106 Resp: 222581

Ion	Ratio	Lower	Upper
106	100		
91	194.0	156.0	234.0

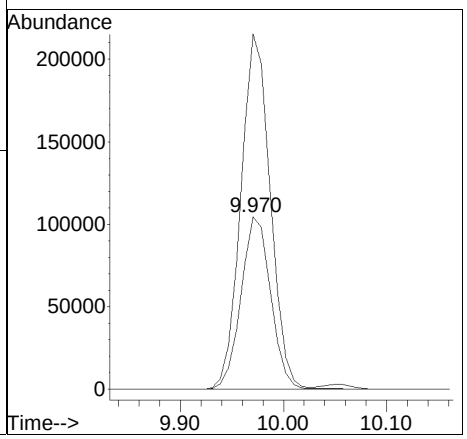


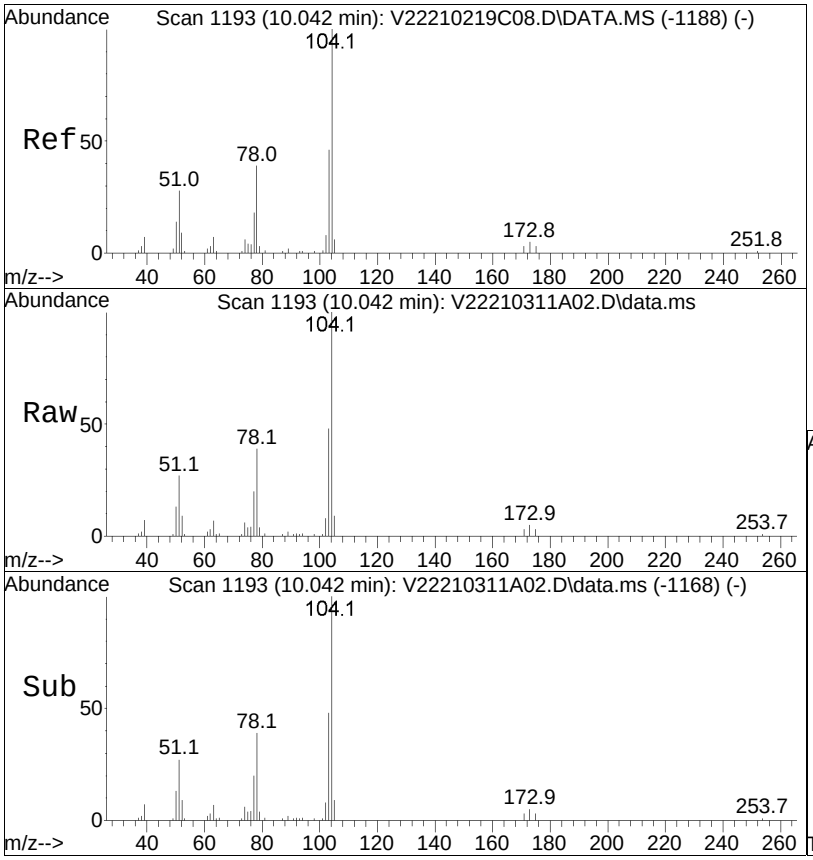


#81
o Xylene
Concen: 20.65 ug/L
RT: 9.970 min Scan# 1184
Delta R.T. -0.003 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:106 Resp: 209778

Ion	Ratio	Lower	Upper
106	100		
91	202.9	164.0	246.0

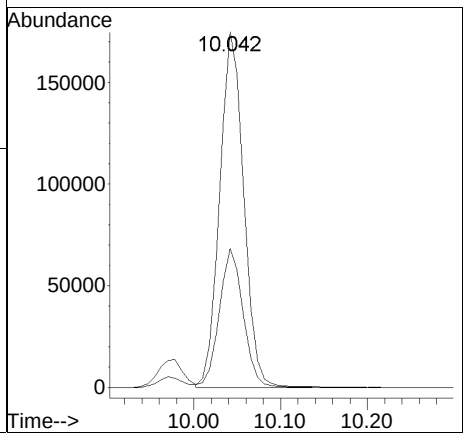


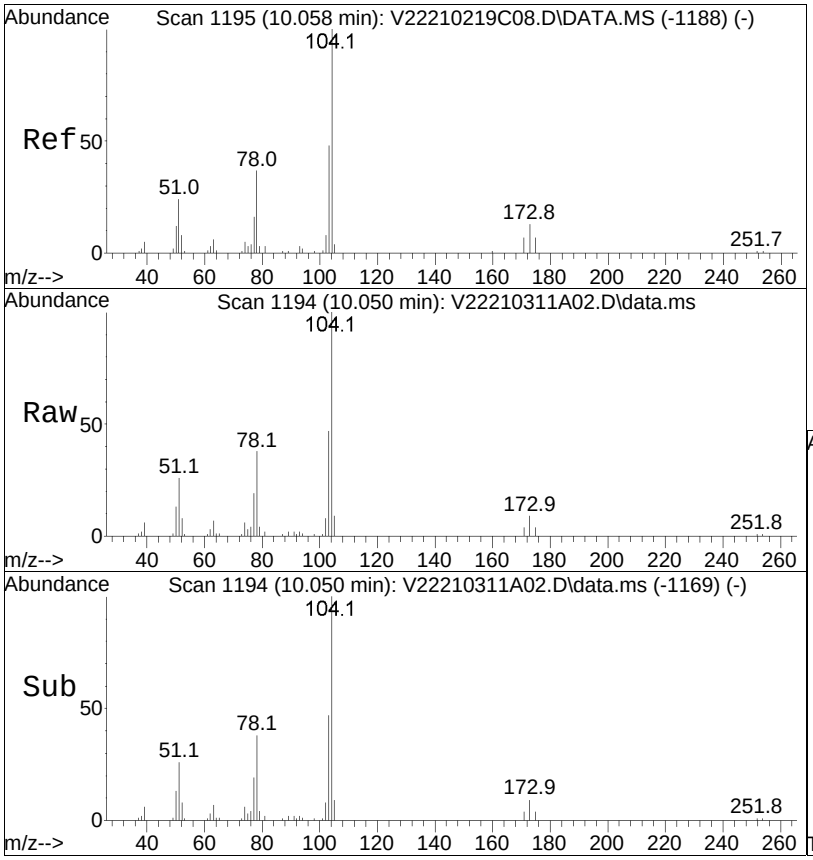


#82
Styrene
Concen: 20.71 ug/L
RT: 10.042 min Scan# 1193
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:104 Resp: 336682

Ion	Ratio	Lower	Upper
104	100		
78	38.7	32.1	48.1

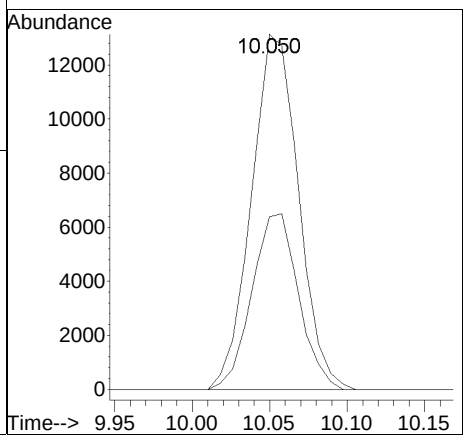


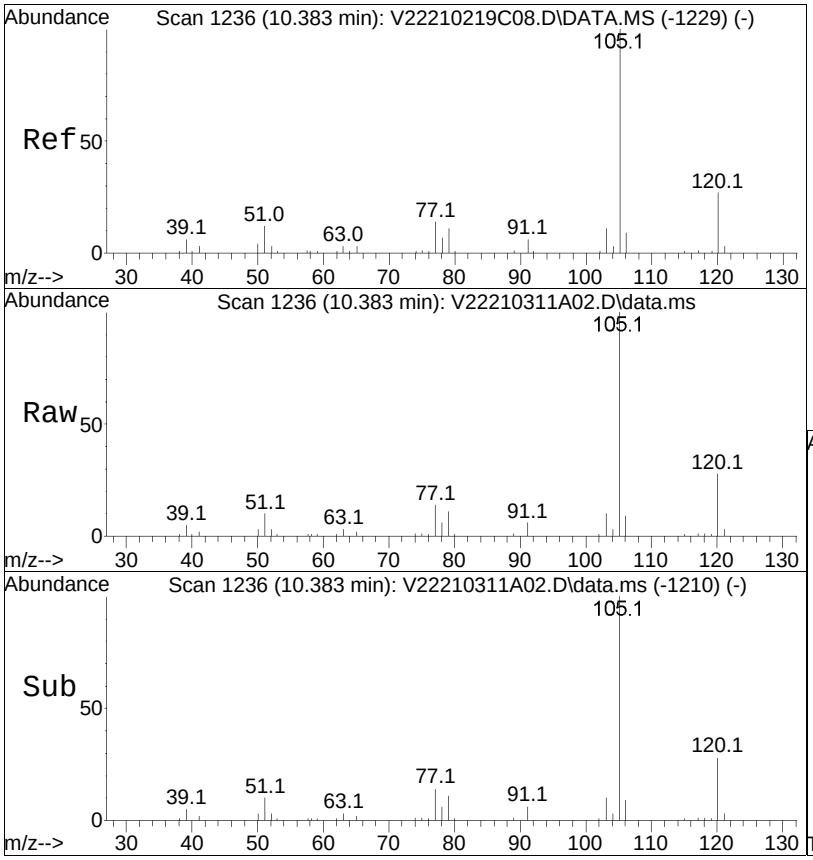


#84
Bromoform
Concen: 7.81 ug/L
RT: 10.050 min Scan# 1194
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:173 Resp: 27762

Ion	Ratio	Lower	Upper
173	100		
175	48.9	29.3	69.3

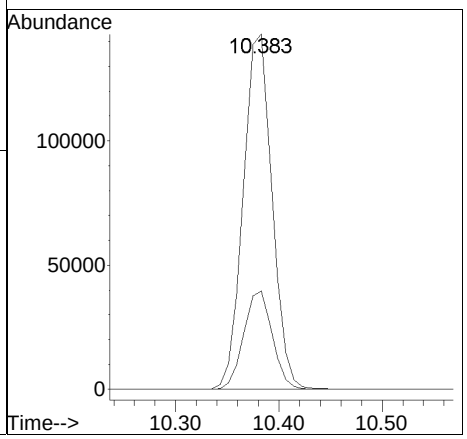


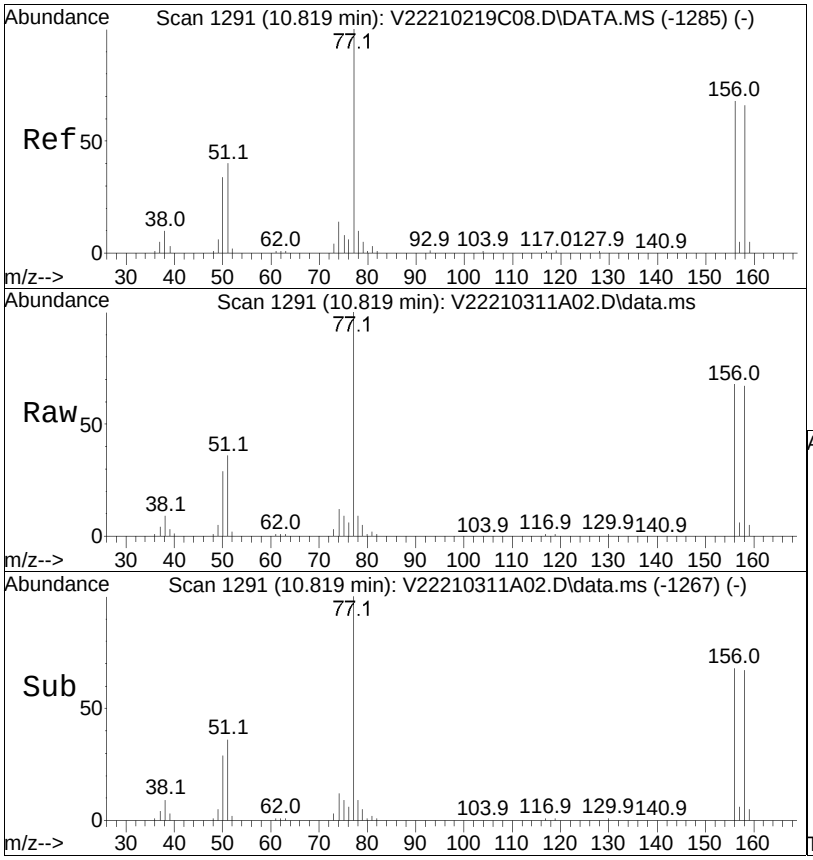


#86
Isopropylbenzene
Concen: 8.90 ug/L
RT: 10.383 min Scan# 1236
Delta R.T. 0.003 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:105 Resp: 278079

Ion	Ratio	Lower	Upper
105	100		
120	27.4	7.7	47.7

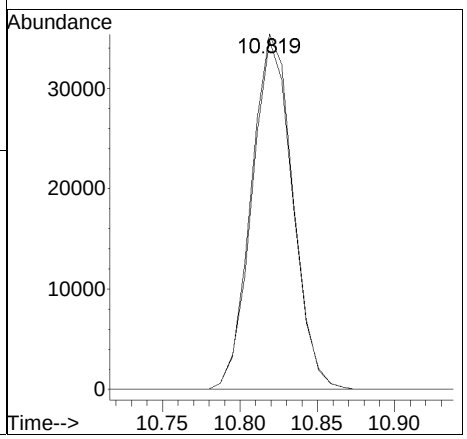


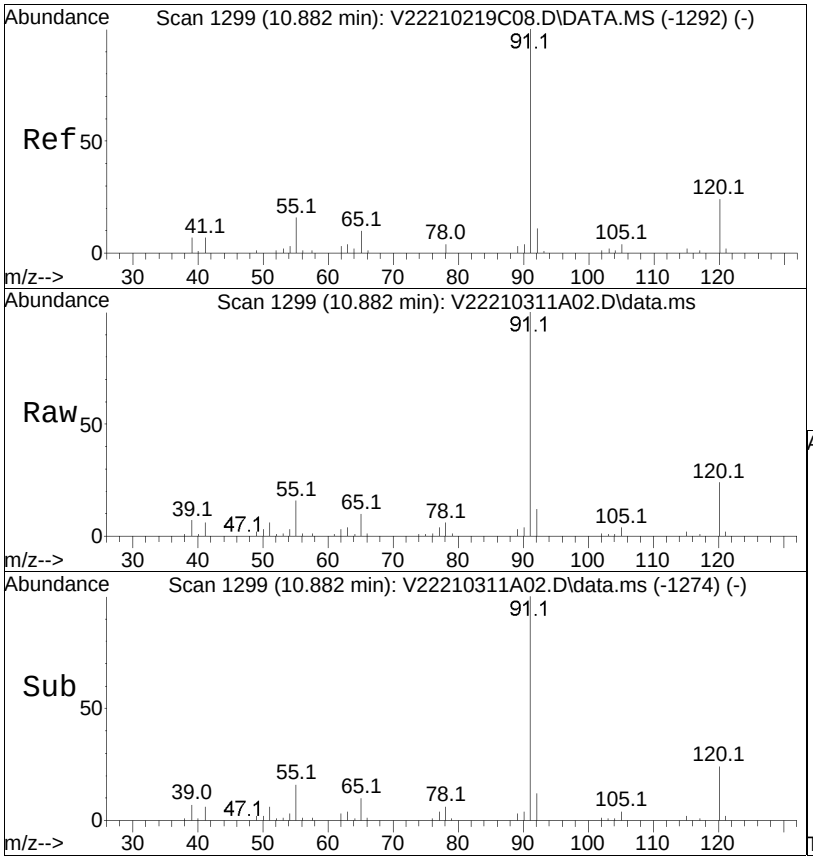


#88
Bromobenzene
Concen: 8.90 ug/L
RT: 10.819 min Scan# 1291
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:156 Resp: 66168

Ion	Ratio	Lower	Upper
156	100		
158	96.3	77.9	116.9

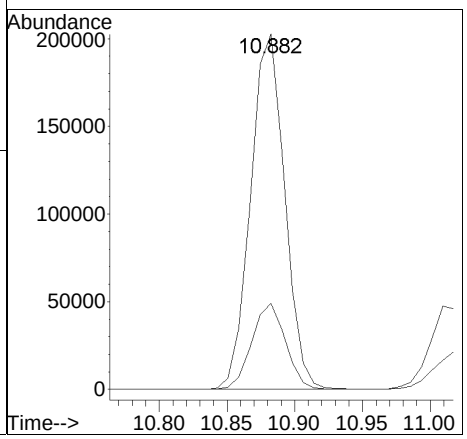


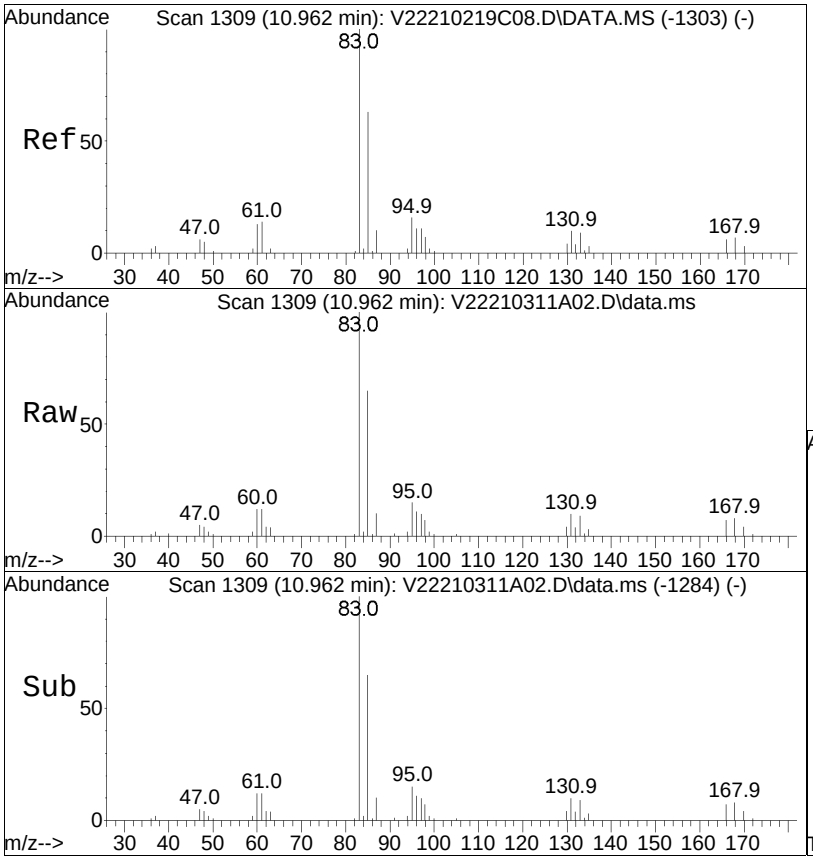


#89
n-Propylbenzene
Concen: 9.44 ug/L
RT: 10.882 min Scan# 1299
Delta R.T. 0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 91 Resp: 355387

Ion	Ratio	Lower	Upper
91	100		
120	23.9	19.5	29.3

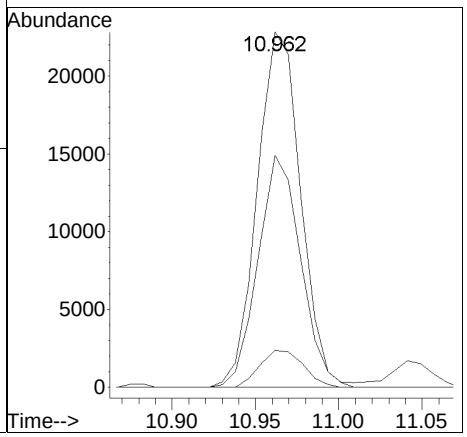


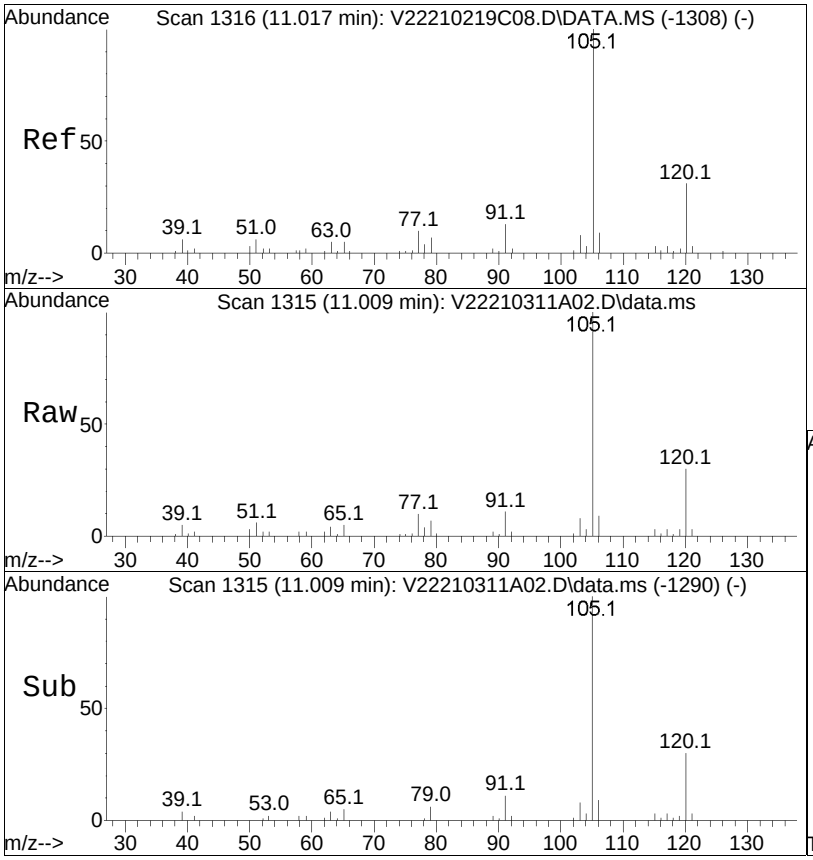


#91
1,1,2,2-Tetrachloroethane
Concen: 7.82 ug/L
RT: 10.962 min Scan# 1309
Delta R.T. -0.005 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 83 Resp: 41280

Ion	Ratio	Lower	Upper
83	100		
131	10.6	0.0	30.8
85	64.9	45.4	85.4

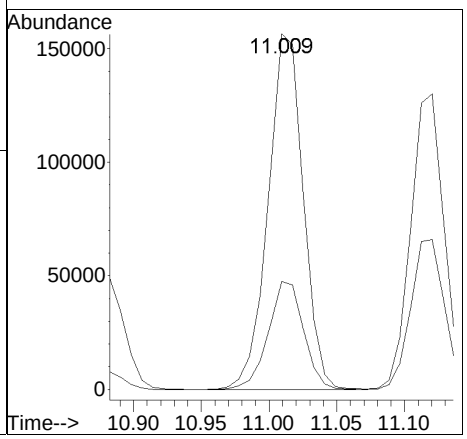


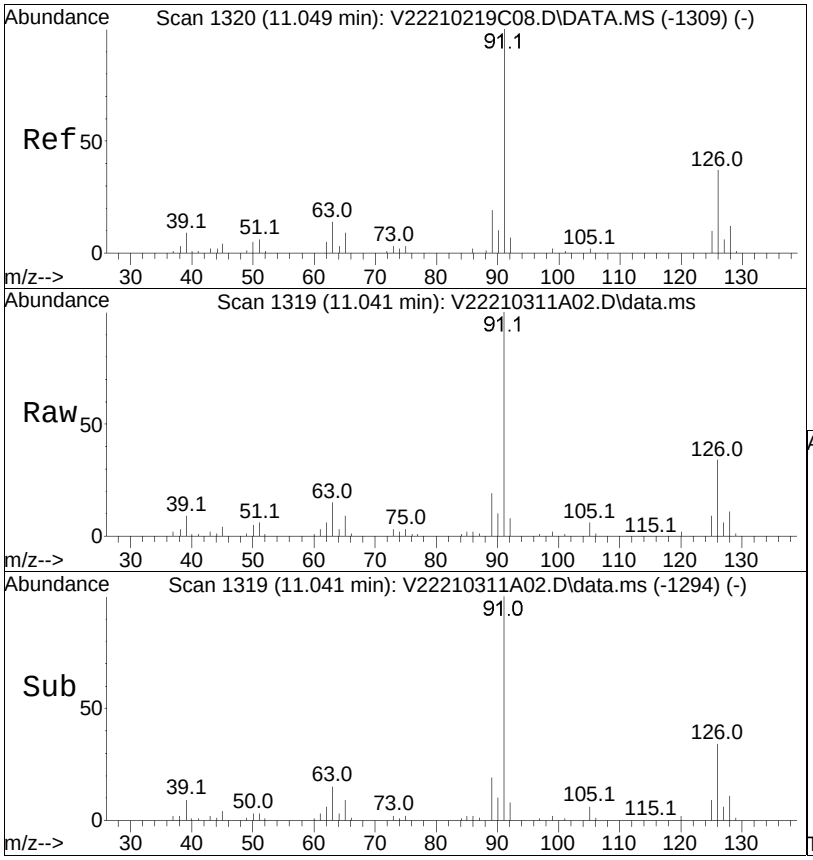


#92
4-Ethyltoluene
Concen: 9.51 ug/L
RT: 11.009 min Scan# 1315
Delta R.T. -0.005 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:105 Resp: 282254

Ion	Ratio	Lower	Upper
105	100		
120	30.5	19.8	41.0

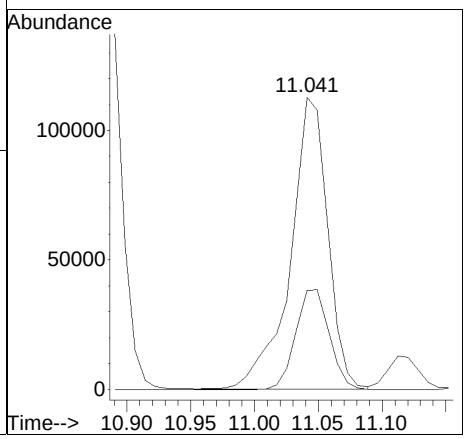


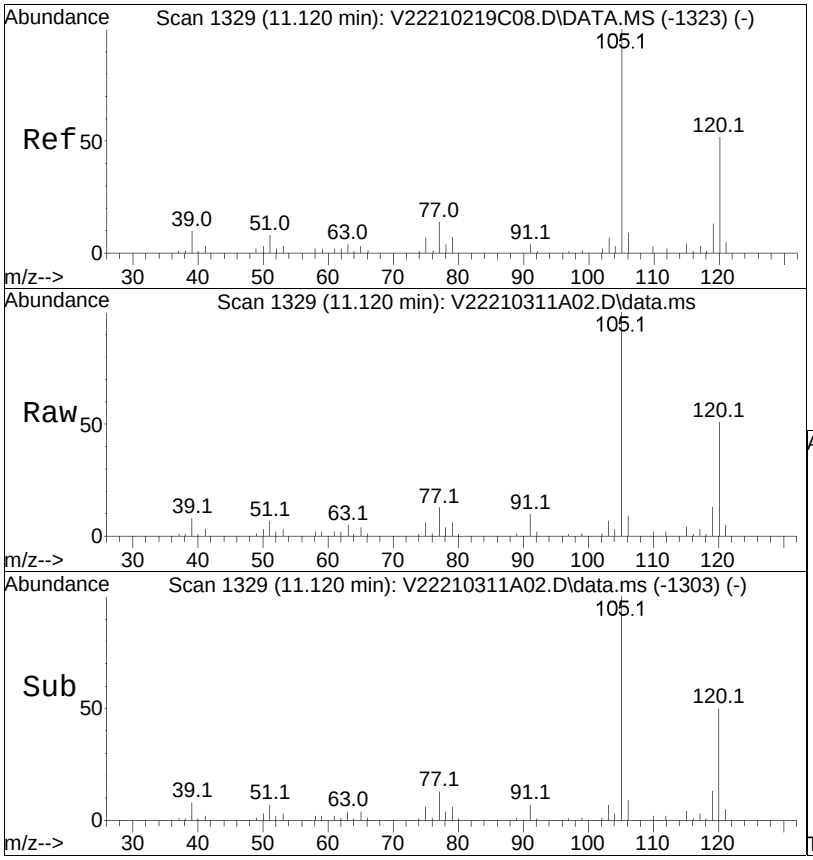


#93
2-Chlorotoluene
Concen: 9.24 ug/L
RT: 11.041 min Scan# 1319
Delta R.T. -0.005 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 91 Resp: 228353

Ion	Ratio	Lower	Upper
91	100		
126	30.9	24.6	37.0

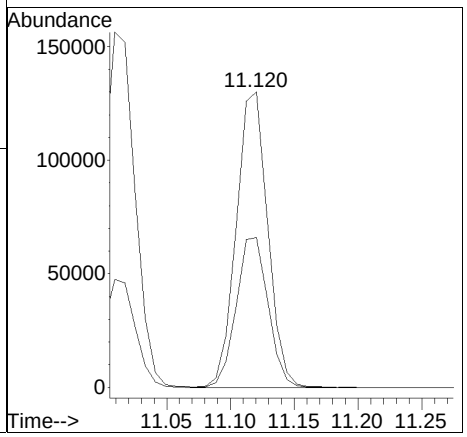


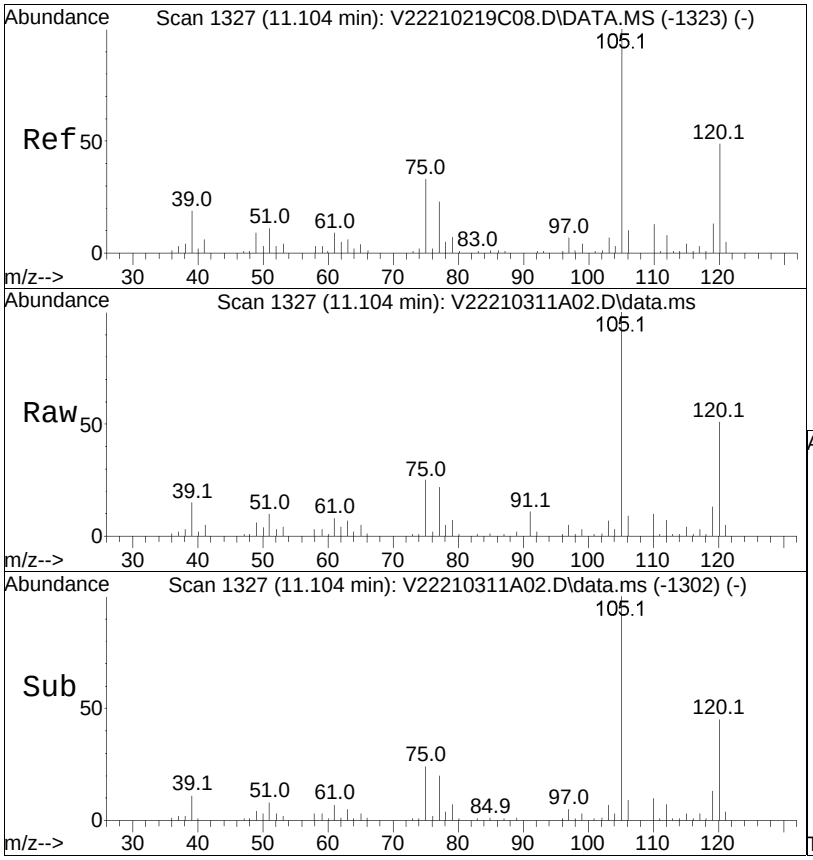


#94
1,3,5-Trimethylbenzene
Concen: 8.92 ug/L
RT: 11.120 min Scan# 1329
Delta R.T. 0.004 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:105 Resp: 223074

Ion	Ratio	Lower	Upper
105	100		
120	51.5	40.9	61.3

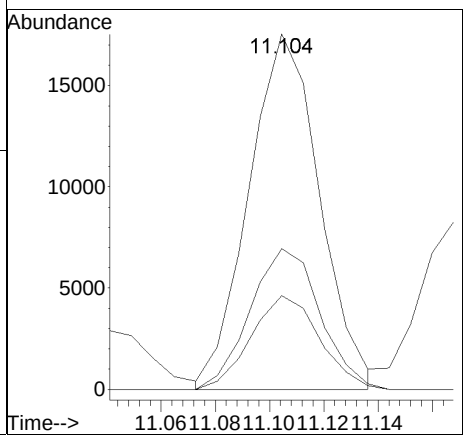


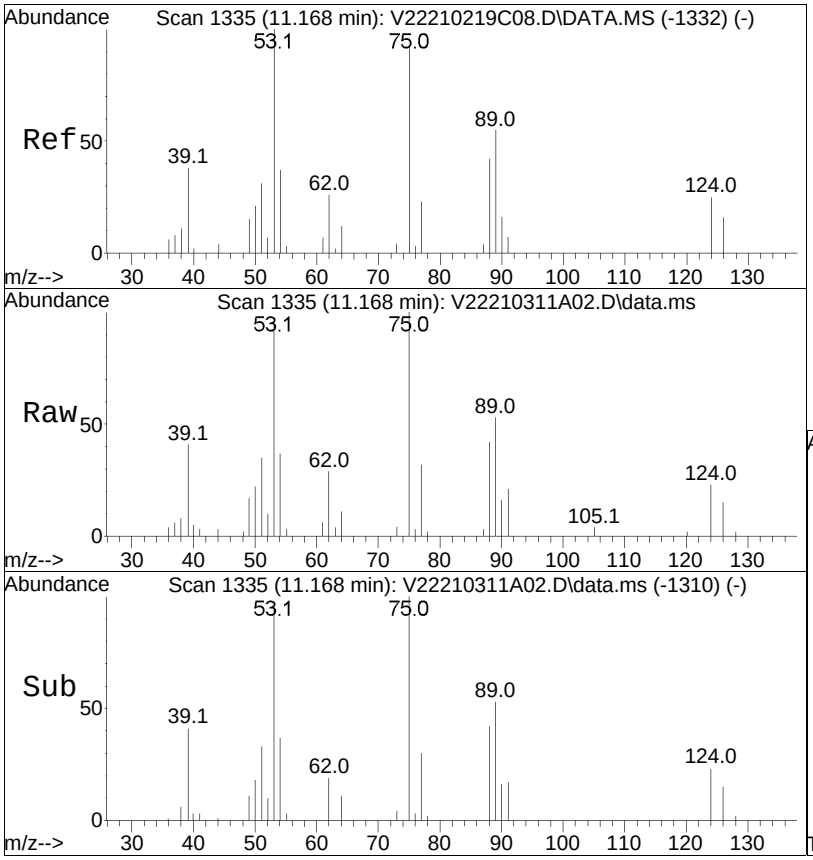


#95
1,2,3-Trichloropropane
Concen: 7.42 ug/L
RT: 11.104 min Scan# 1327
Delta R.T. -0.004 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 75 Resp: 31834

Ion	Ratio	Lower	Upper
75	100		
110	39.1	26.3	54.7
112	25.5	16.8	35.0

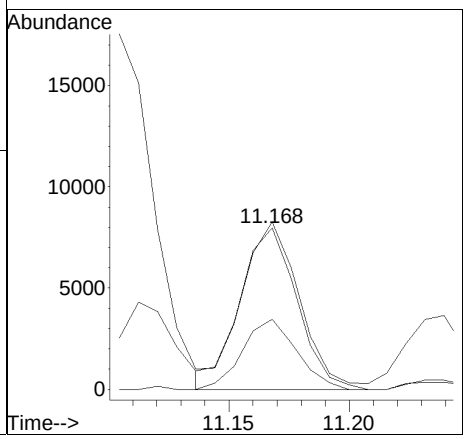


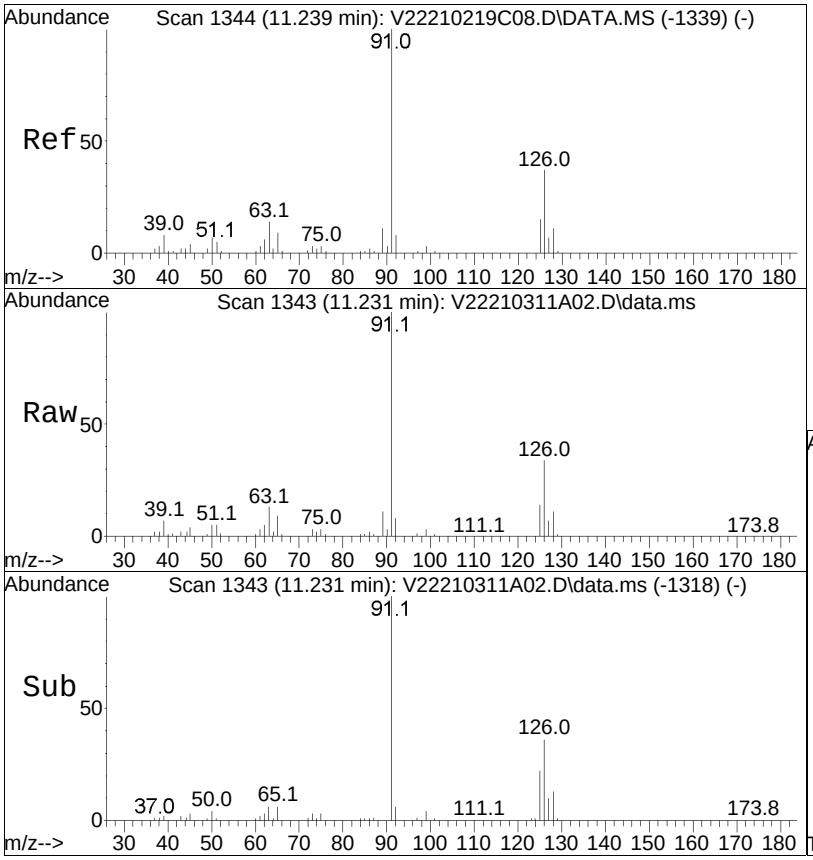


#96
trans-1,4-Dichloro-2-butene
Concen: 7.35 ug/L
RT: 11.168 min Scan# 1335
Delta R.T. -0.003 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 53 Resp: 13187

Ion	Ratio	Lower	Upper
53	100		
88	41.1	46.3	69.5#
75	103.9	109.0	163.4#

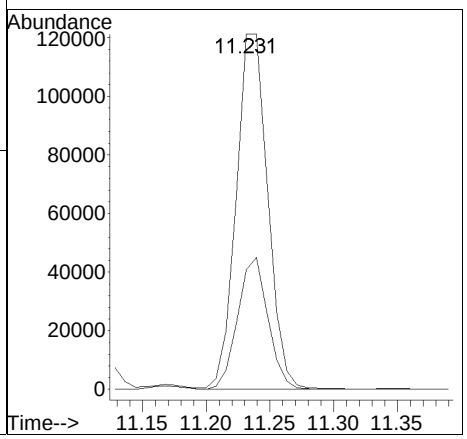


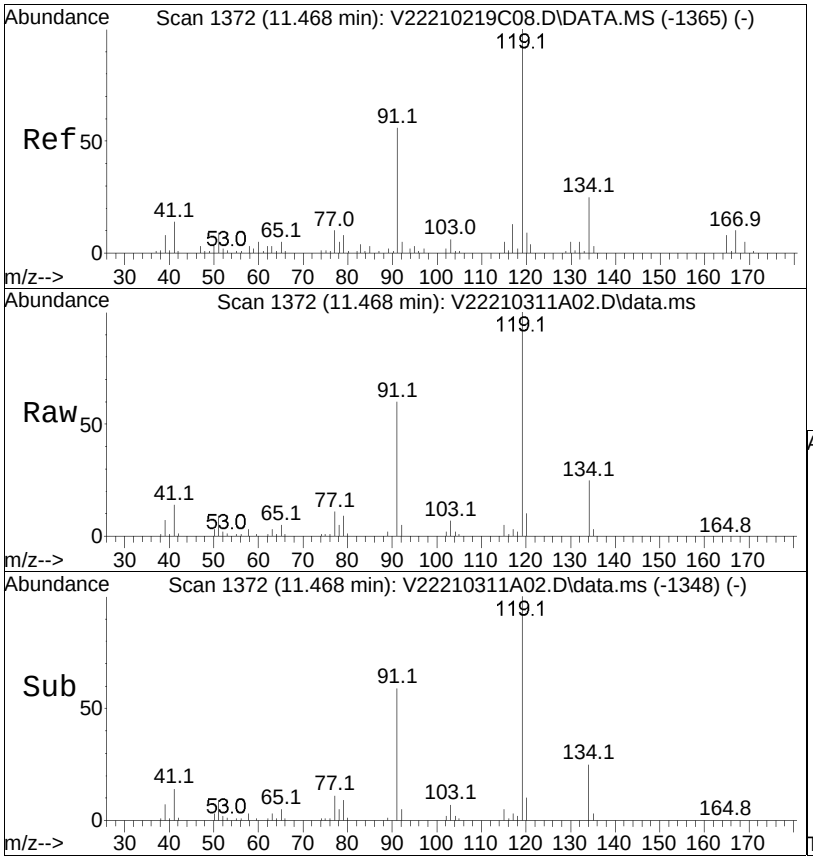


#97
4-Chlorotoluene
Concen: 9.39 ug/L
RT: 11.231 min Scan# 1343
Delta R.T. -0.003 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 91 Resp: 209749

Ion	Ratio	Lower	Upper
91	100		
126	35.5	28.5	42.7

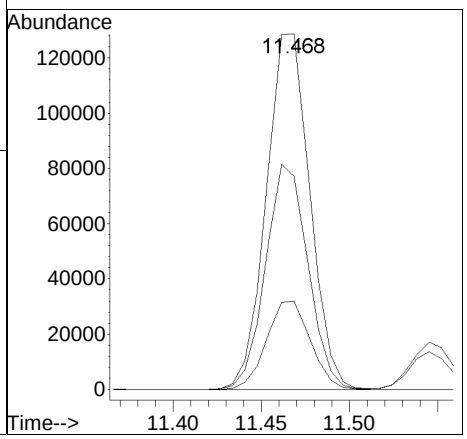


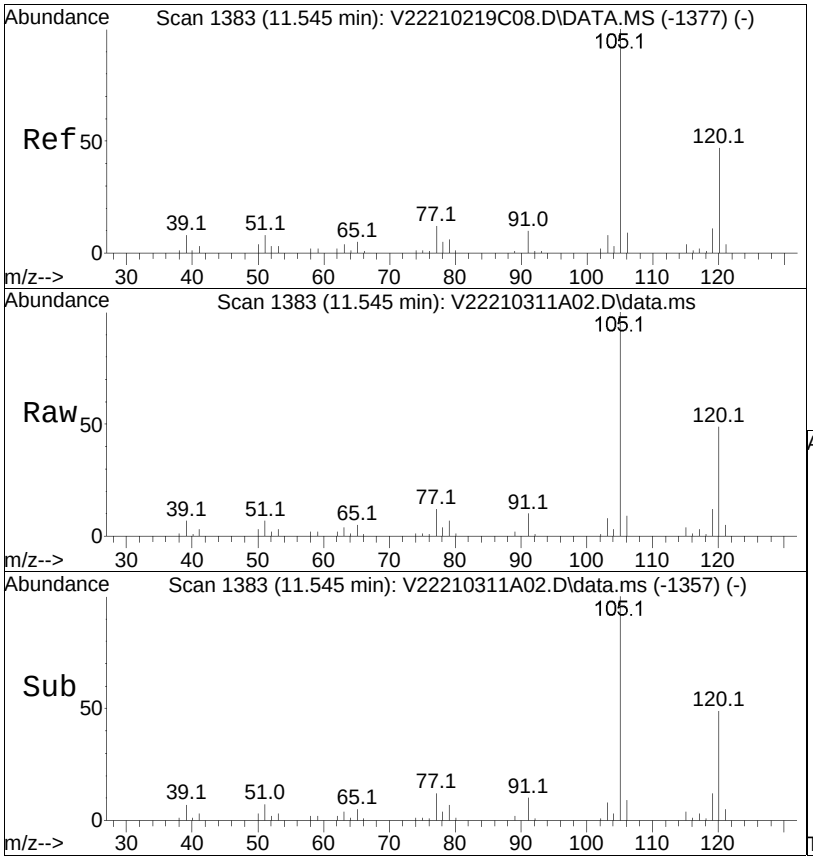


#98
tert-Butylbenzene
Concen: 8.42 ug/L
RT: 11.468 min Scan# 1372
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:119 Resp: 221222

Ion	Ratio	Lower	Upper
119	100		
91	61.6	50.2	75.4
134	25.0	20.8	31.2

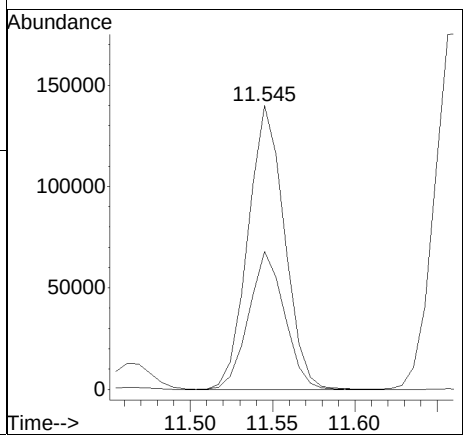


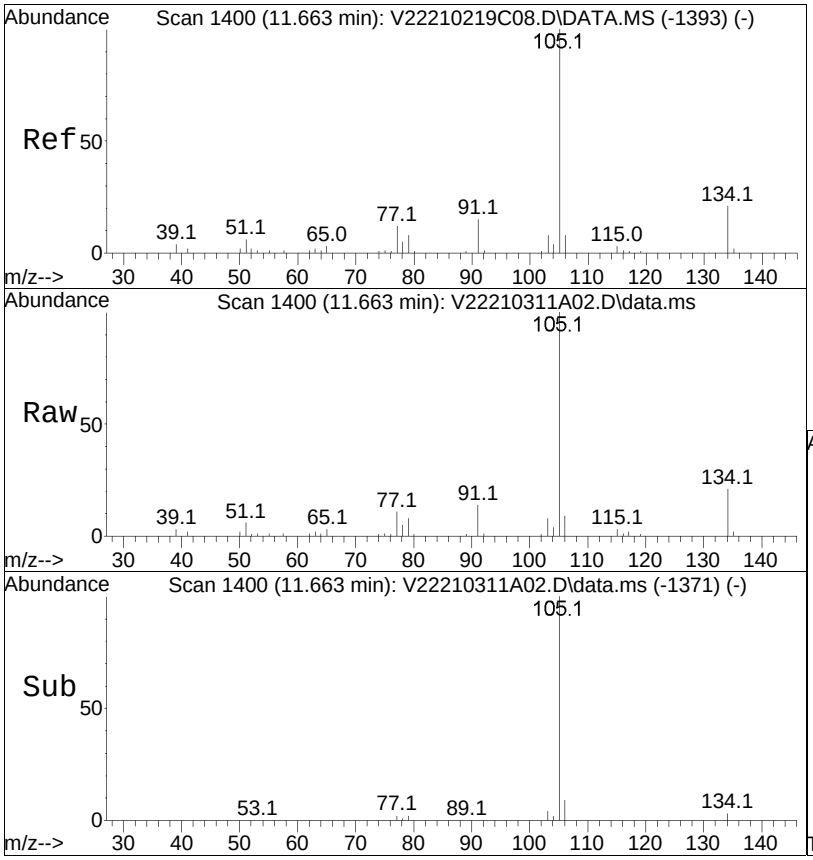


#101
1,2,4-Trimethylbenzene
Concen: 8.90 ug/L
RT: 11.545 min Scan# 1383
Delta R.T. 0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:105 Resp: 215814

Ion	Ratio	Lower	Upper
105	100		
120	47.7	38.5	57.7

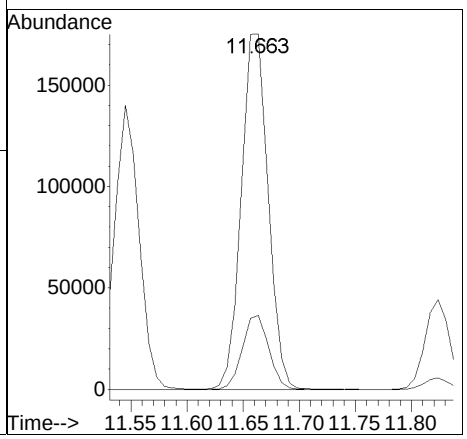


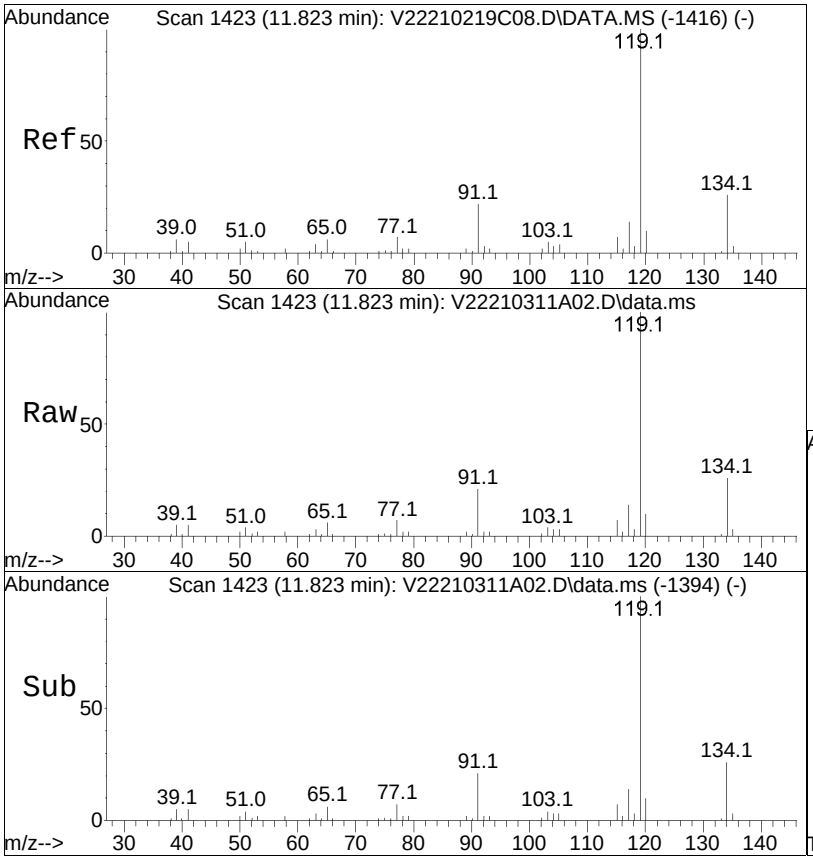


#102
sec-Butylbenzene
Concen: 9.97 ug/L
RT: 11.663 min Scan# 1400
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:105 Resp: 292622

Ion	Ratio	Lower	Upper
105	100		
134	20.4	13.9	28.9

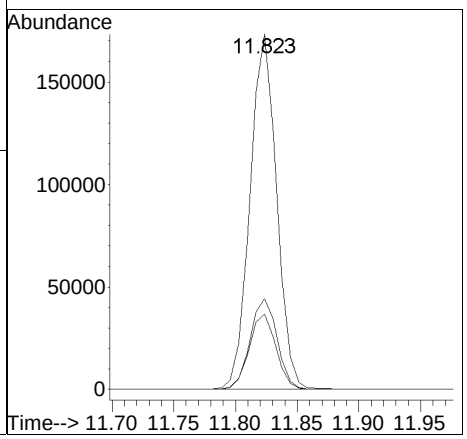


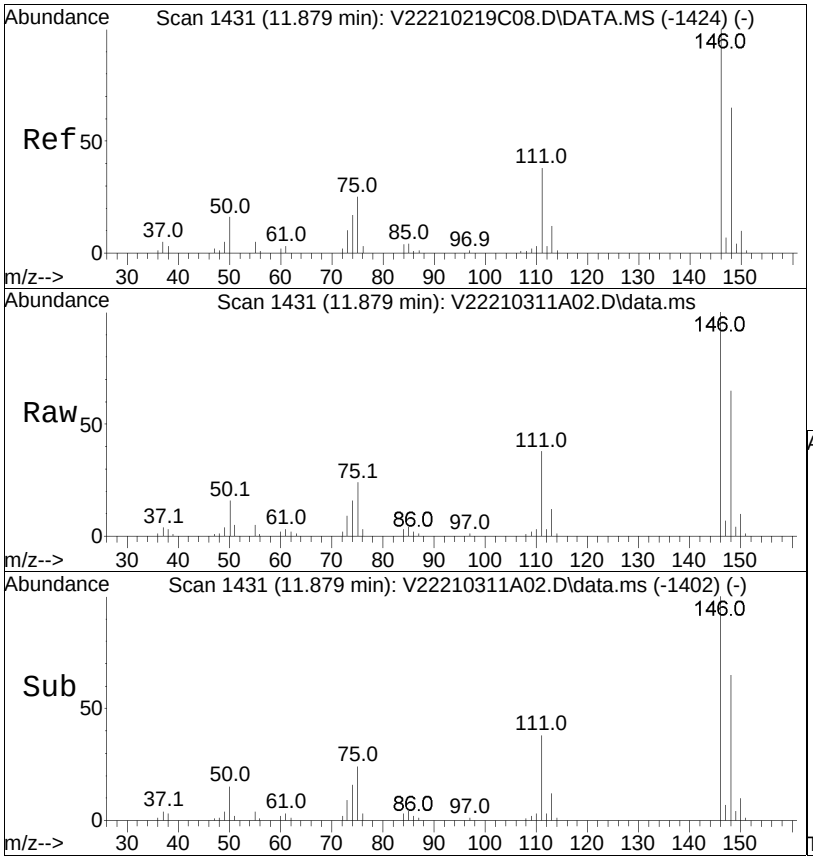


#103
p-Isopropyltoluene
Concen: 9.68 ug/L
RT: 11.823 min Scan# 1423
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:119 Resp: 259936

Ion	Ratio	Lower	Upper
119	100		
134	25.8	17.7	36.7
91	21.4	14.1	29.3

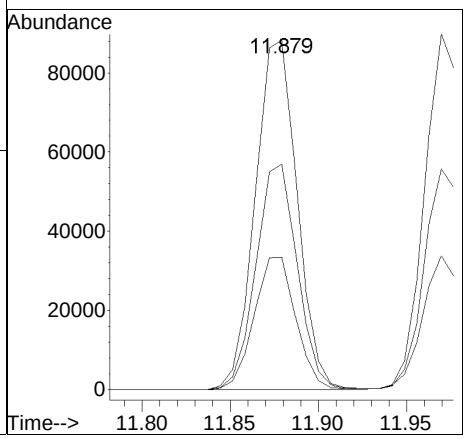


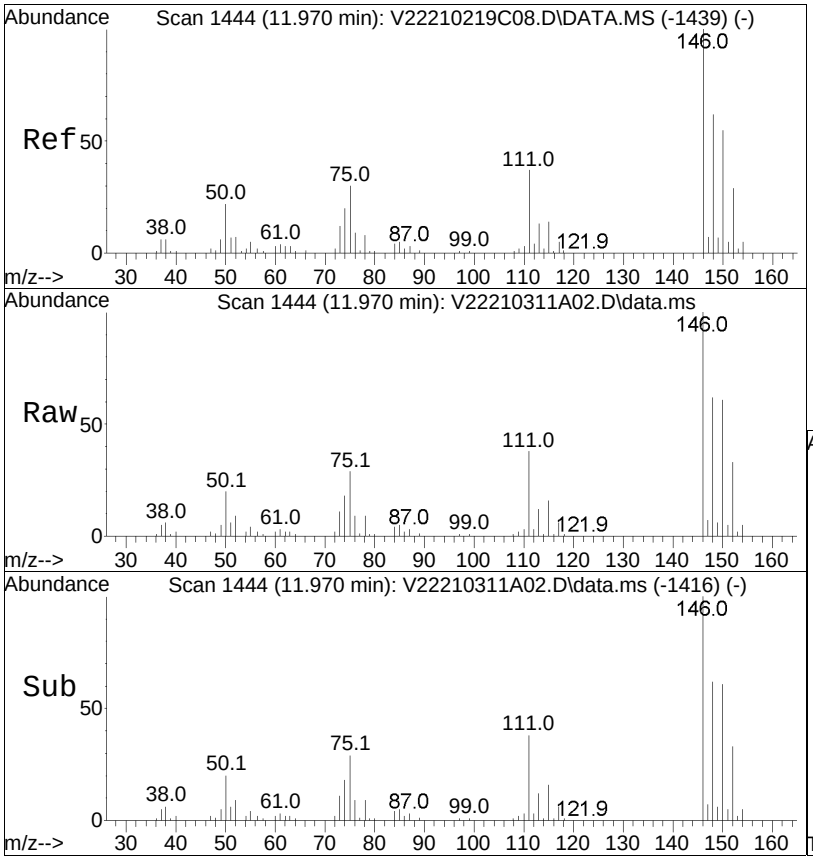


#104
1,3-Dichlorobenzene
Concen: 9.56 ug/L
RT: 11.879 min Scan# 1431
Delta R.T. 0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:146 Resp: 145587

Ion	Ratio	Lower	Upper
146	100		
111	37.7	24.0	49.8
148	63.7	41.8	86.8

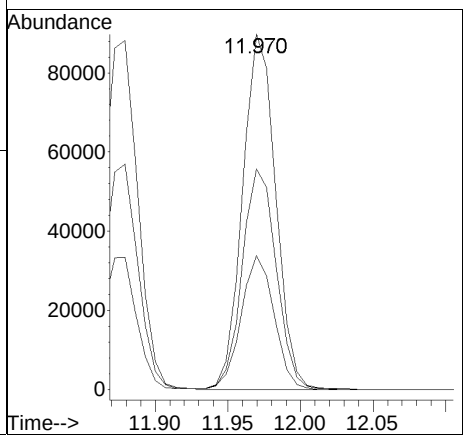


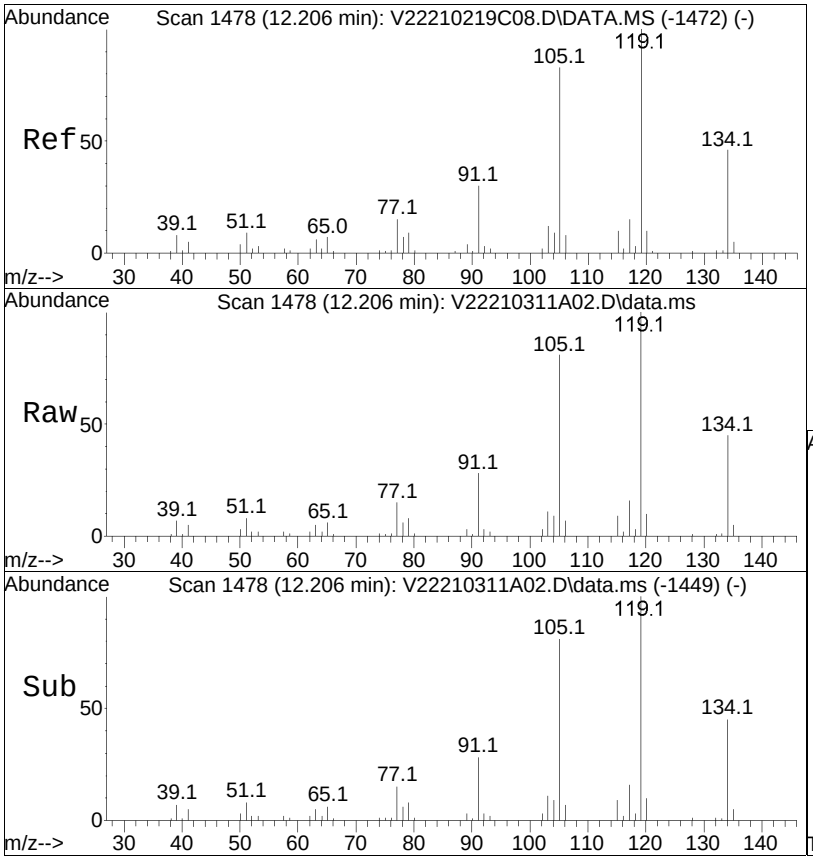


#105
1,4-Dichlorobenzene
Concen: 9.30 ug/L
RT: 11.970 min Scan# 1444
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:146 Resp: 142648

Ion	Ratio	Lower	Upper
146	100		
111	37.5	28.9	43.3
148	63.7	51.4	77.2

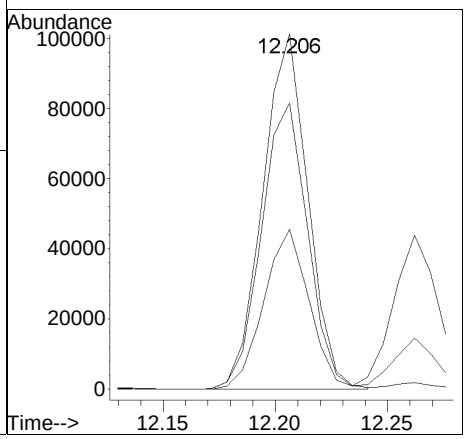


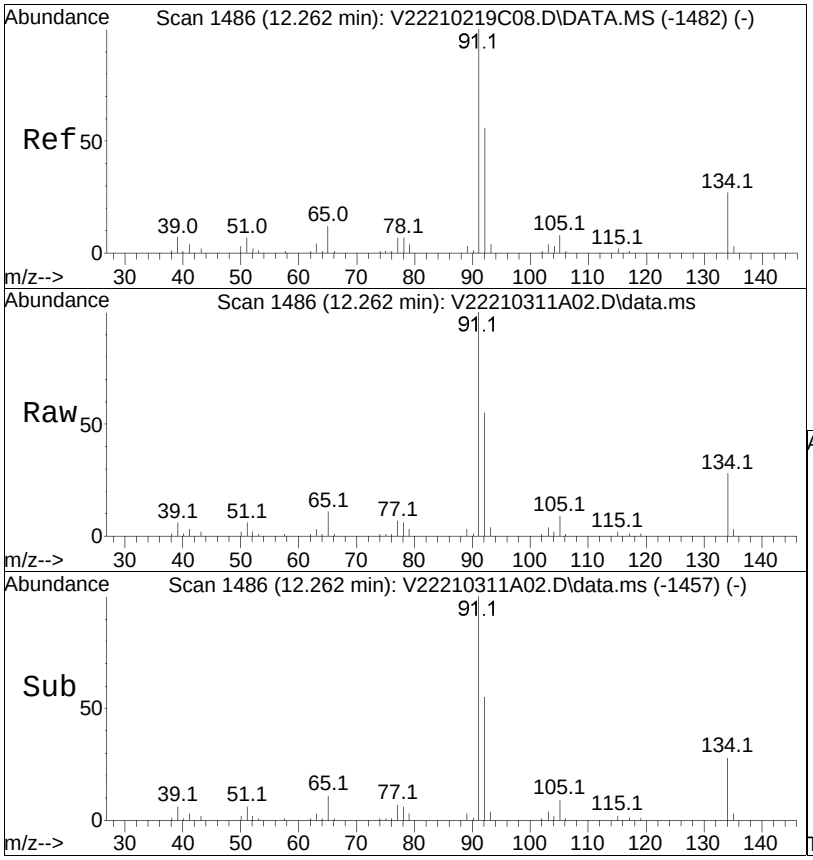


#106
p-Diethylbenzene
Concen: 8.69 ug/L
RT: 12.206 min Scan# 1478
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:119 Resp: 141788

Ion	Ratio	Lower	Upper
119	100		
105	82.5	53.4	110.8
134	45.3	30.9	64.1

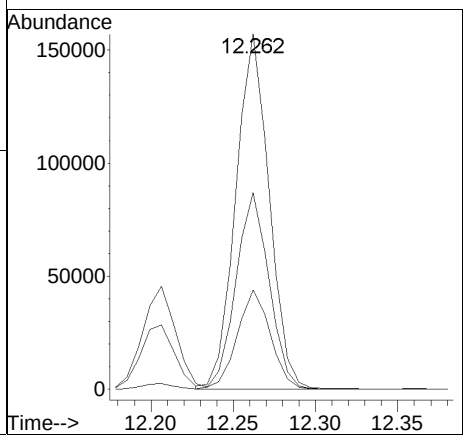


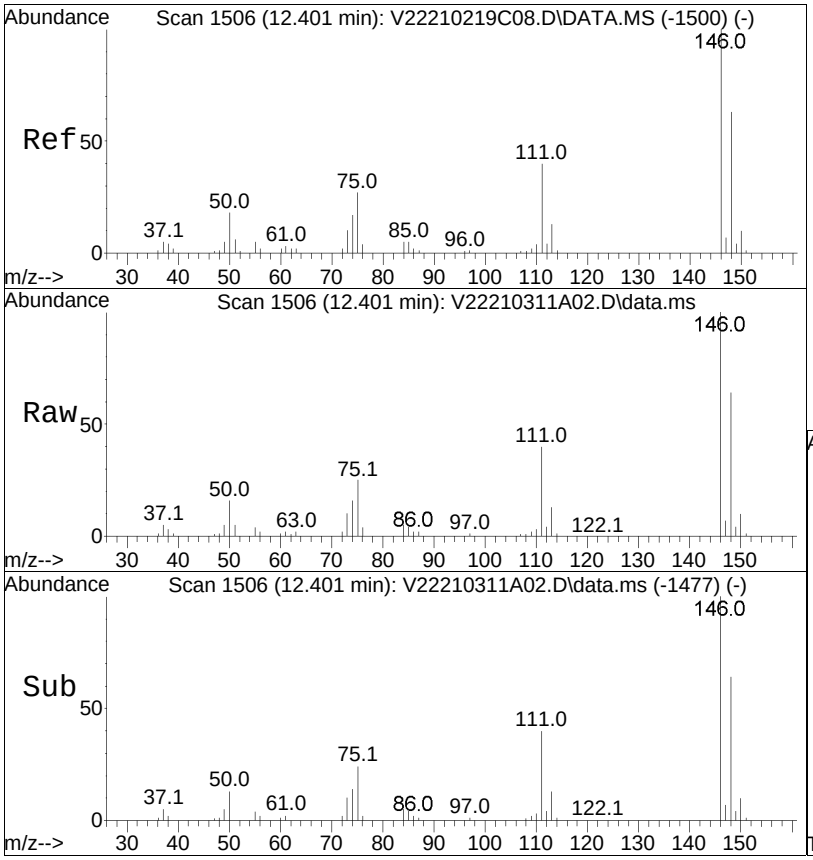


#107
n-Butylbenzene
Concen: 9.62 ug/L
RT: 12.262 min Scan# 1486
Delta R.T. 0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion: 91 Resp: 221351

Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.6	66.8
134	27.7	22.9	34.3

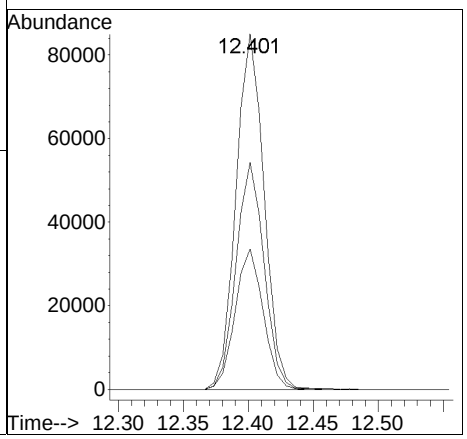


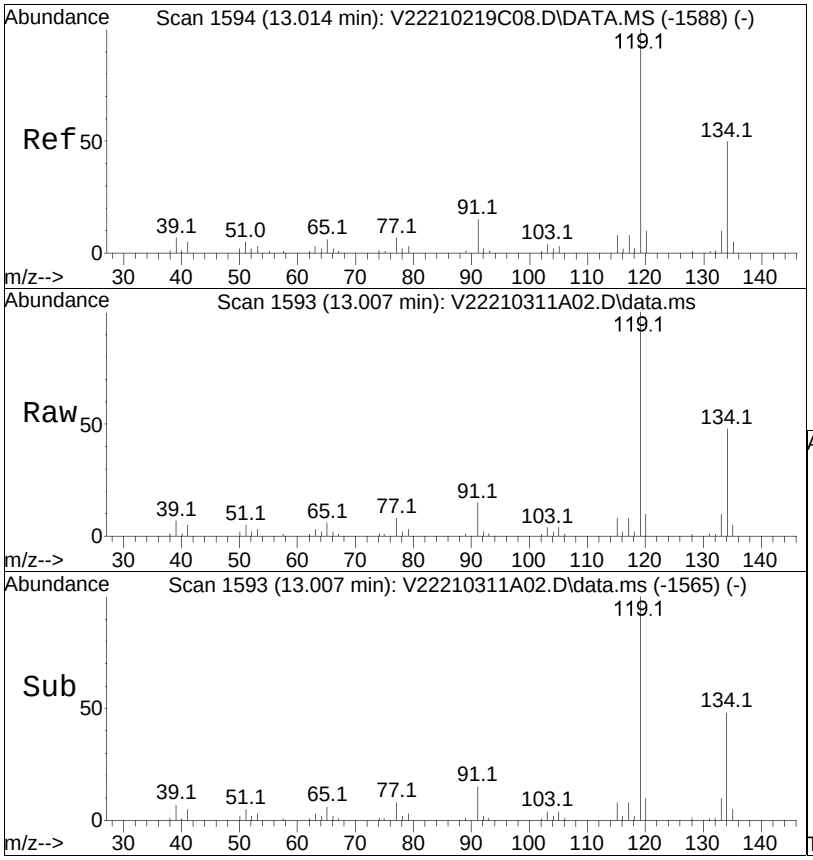


#108
1,2-Dichlorobenzene
Concen: 9.38 ug/L
RT: 12.401 min Scan# 1506
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:146 Resp: 127984

Ion	Ratio	Lower	Upper
146	100		
111	39.4	24.8	51.6
148	63.4	42.2	87.6

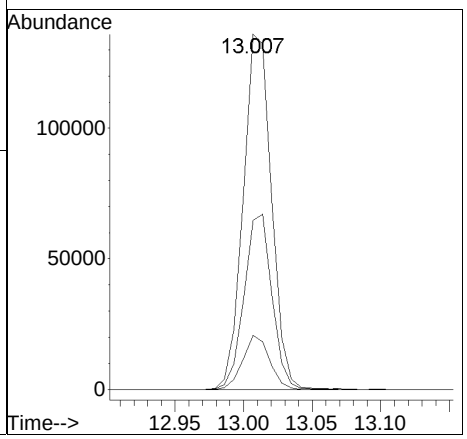


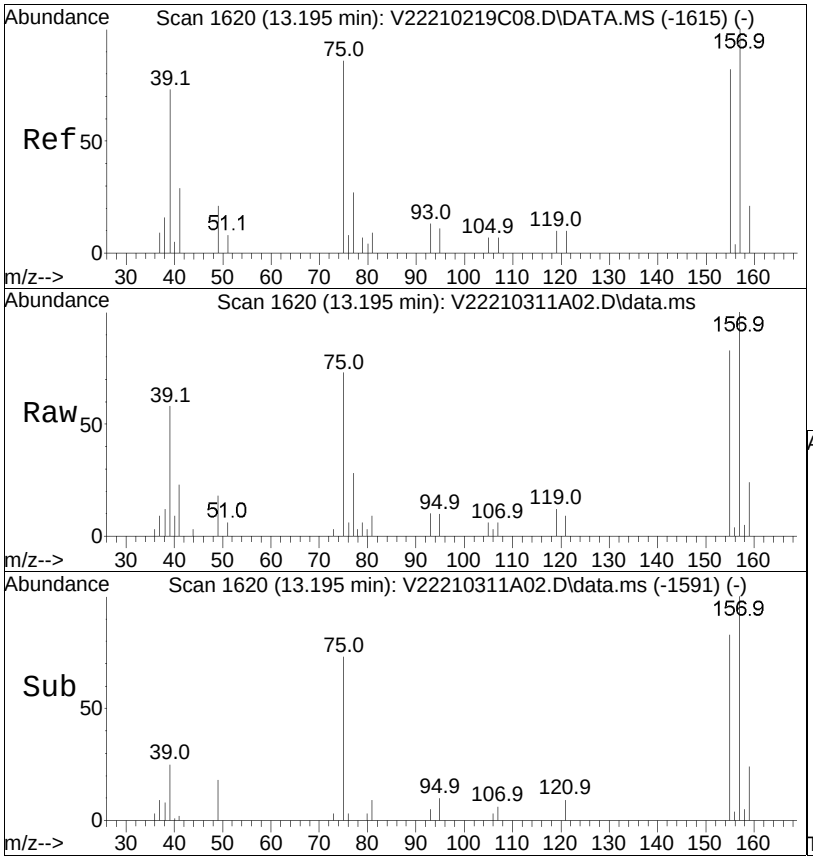


#109
1,2,4,5-Tetramethylbenzene
Concen: 9.19 ug/L
RT: 13.007 min Scan# 1593
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:119 Resp: 194837

Ion	Ratio	Lower	Upper
119	100		
134	48.6	31.9	66.1
91	14.4	9.8	20.3

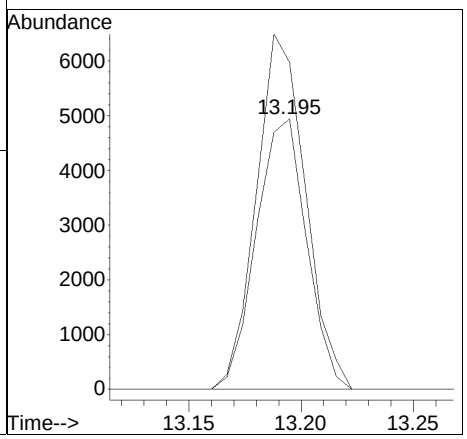


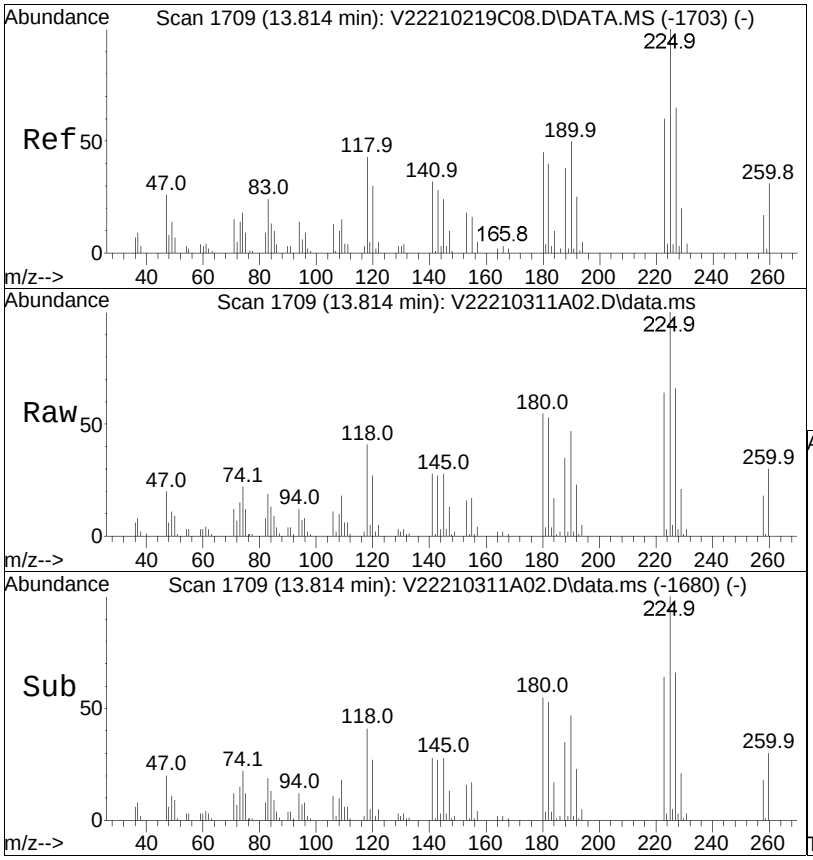


#110
1,2-Dibromo-3-chloropropane
Concen: 8.01 ug/L
RT: 13.195 min Scan# 1620
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:155 Resp: 7718

Ion	Ratio	Lower	Upper
155	100		
157	128.2	102.3	153.5

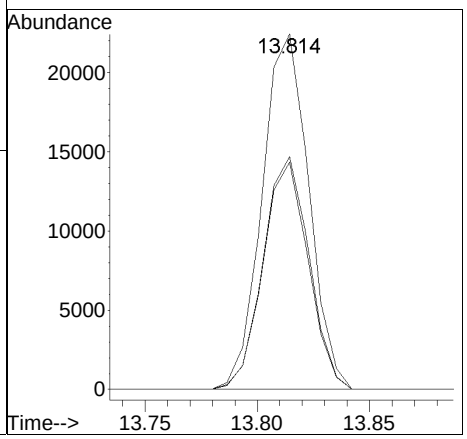


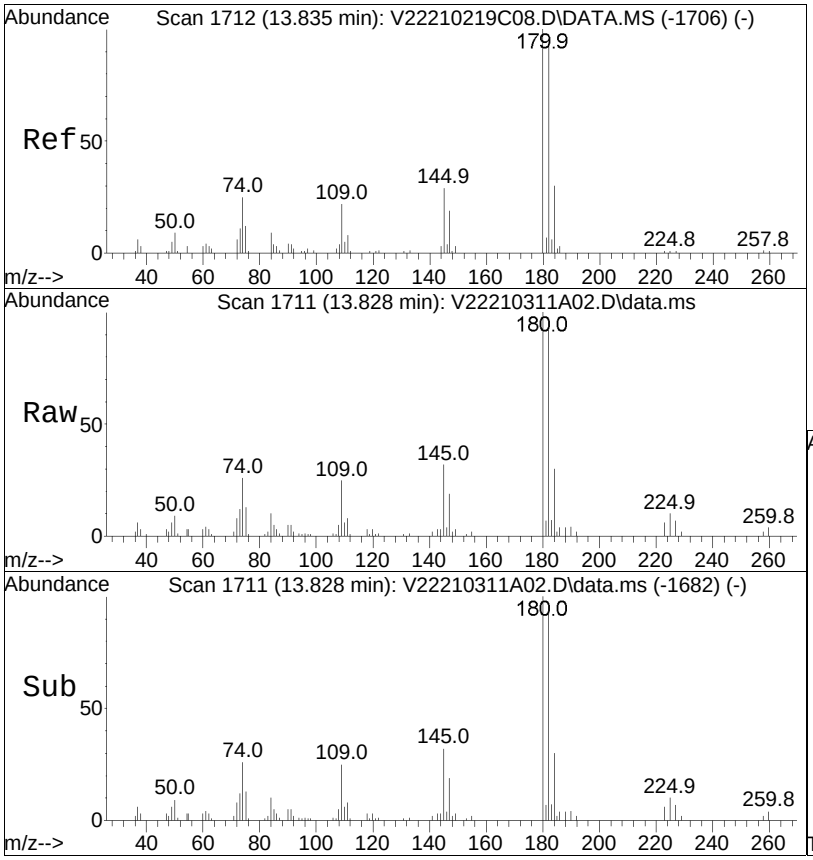


#112
Hexachlorobutadiene
Concen: 10.91 ug/L
RT: 13.814 min Scan# 1709
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:225 Resp: 32407

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.8	74.8
227	64.4	52.2	78.4

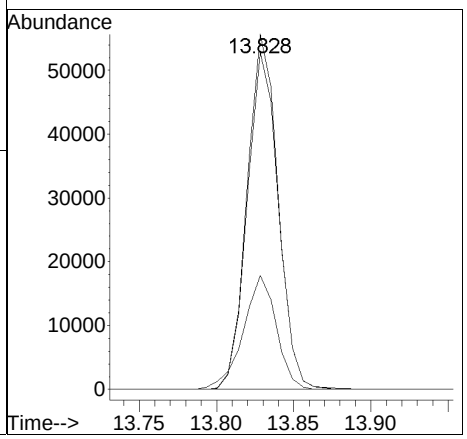


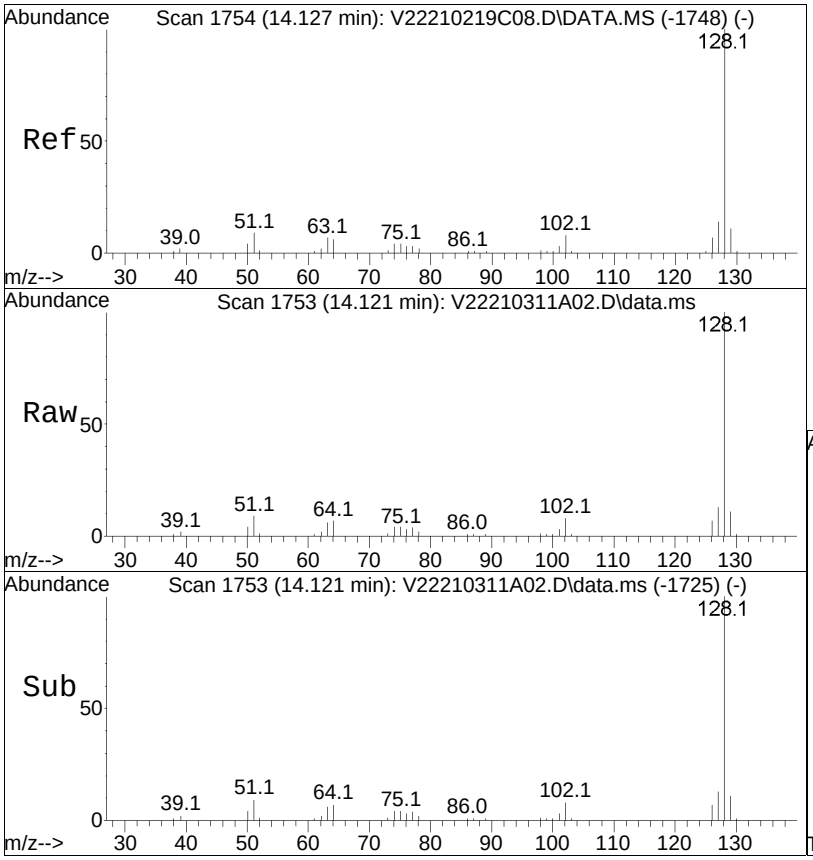


#113
1,2,4-Trichlorobenzene
Concen: 9.70 ug/L
RT: 13.828 min Scan# 1711
Delta R.T. -0.001 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:180 Resp: 77620

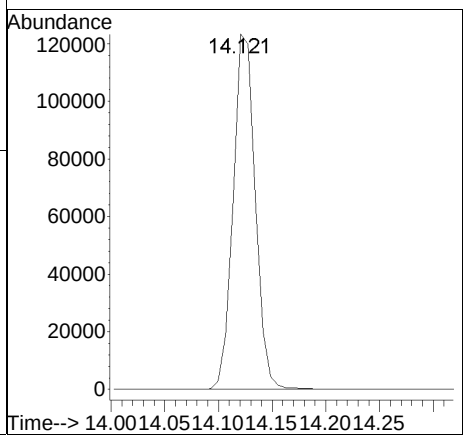
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.6	114.8
145	34.2	25.5	38.3

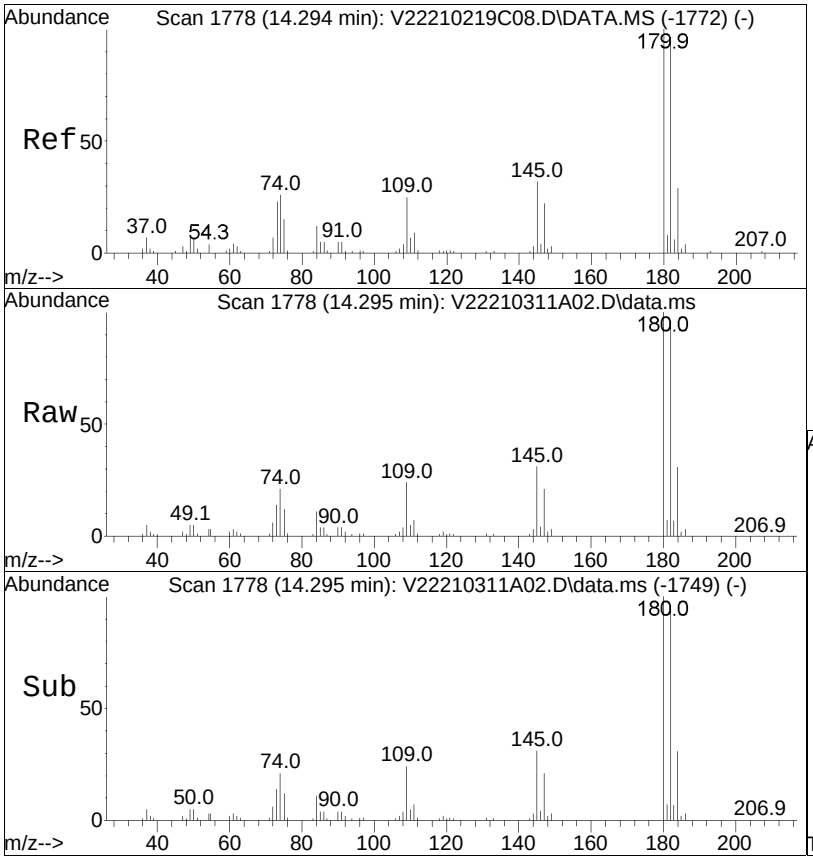




#114
Naphthalene
Concen: 9.69 ug/L
RT: 14.121 min Scan# 1753
Delta R.T. -0.007 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:128 Resp: 177198

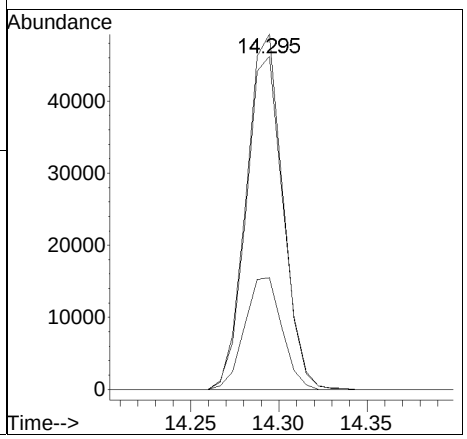




#115
1,2,3-Trichlorobenzene
Concen: 10.06 ug/L
RT: 14.295 min Scan# 1778
Delta R.T. -0.000 min
Lab File: V22210311A02.D
Acq: 11 Mar 2021 07:41 am

Tgt Ion:180 Resp: 71140

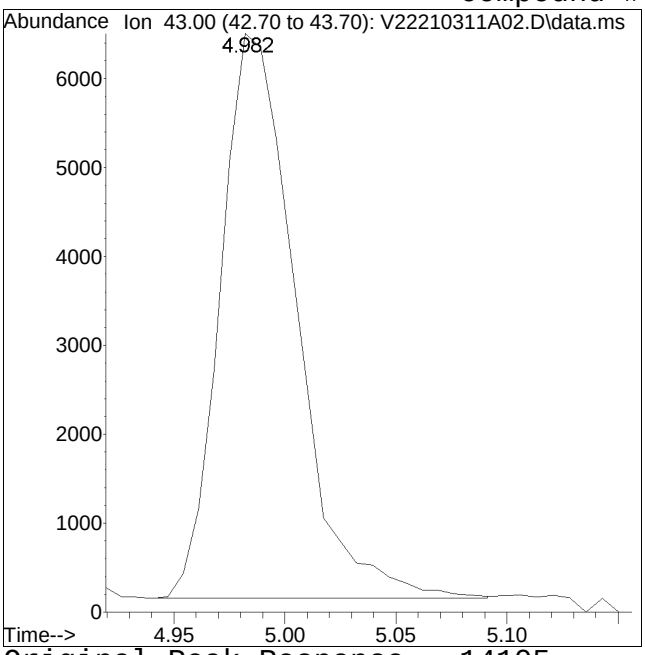
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.0	114.0
145	32.1	23.8	35.8

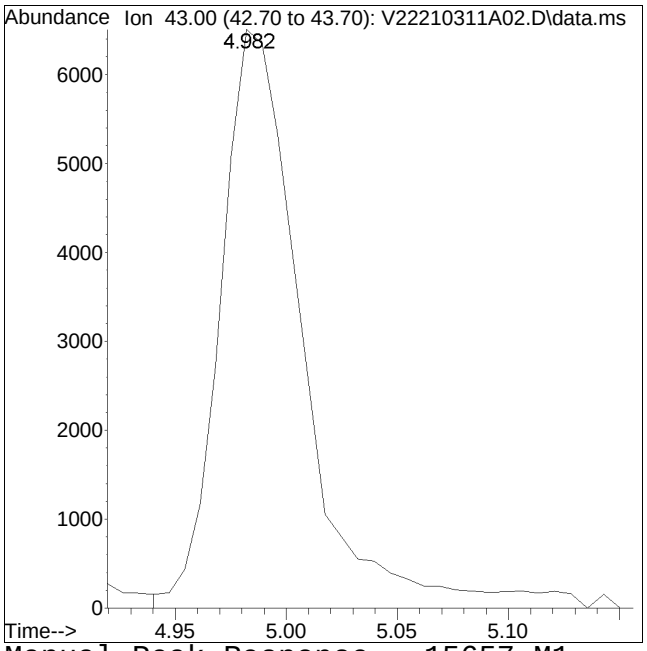


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2021\2QMethod : V122_210219C_8260.m
Data File : V22210311A02.D Operator : VOA122:PD
Date Inj'd : 3/11/2021 7:41 am Instrument : VOA122
Sample : WG1473232-4,31,10,10 Quant Date : 3/11/2021 8:23 am

Compound #41: 2-Butanone





Original Peak Response = 14105 Manual Peak Response = 15657 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A26.D
Acq On : 11 Mar 2021 05:38 pm
Operator : VOA122:AJK
Sample : WG1473232-6,31,10,10,,A1
Misc : WG1473232,ICAL17646
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 11 18:27:57 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	215496	10.000	ug/L	0.00
Standard Area 1 = 265339			Recovery = 81.22%			
62) Chlorobenzene-d5	9.170	117	174424	10.000	ug/L	0.00
Standard Area 1 = 195460			Recovery = 89.24%			
83) 1,4-Dichlorobenzene-d4	11.956	152	101964	10.000	ug/L	0.00
Standard Area 1 = 112718			Recovery = 90.46%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	70916	10.227	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.27%			
46) 1,2-Dichloroethane-d4	5.379	65	69995	9.975	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.75%			
63) Toluene-d8	7.341	98	203985	9.112	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.12%			
87) 4-Bromofluorobenzene	10.708	95	78988	8.318	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	36356	11.377	ug/L #	97
3) Chloromethane	1.657	50	70712	10.115	ug/L	96
4) Vinyl chloride	1.706	62	68116	10.989	ug/L	98
5) Bromomethane	1.985	94	10456	2.964	ug/L	100
6) Chloroethane	2.089	64	40454	8.808	ug/L	98
7) Trichlorofluoromethane	2.229	101	90857	11.200	ug/L	99
8) Ethyl ether	2.514	74	25262	10.601	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	56399	11.348	ug/L #	79
11) Carbon disulfide	2.717	76	164123	14.286	ug/L	100
15) Methylene chloride	3.219	84	59834	10.891	ug/L #	71
17) Acetone	3.260	43	13848	11.488	ug/L	98
18) trans-1,2-Dichloroethene	3.365	96	57914	10.983	ug/L	84
21) Methyl tert-butyl ether	3.462	73	89640	8.799	ug/L #	84
25) 1,1-Dichloroethane	3.930	63	118420	10.853	ug/L	96
27) Acrylonitrile	3.971	53	17080	10.617	ug/L	95
29) Vinyl acetate	4.160	43	78249	7.366	ug/L #	90
30) cis-1,2-Dichloroethene	4.431	96	66136	10.842	ug/L #	83
31) 2,2-Dichloropropane	4.536	77	56236	8.932	ug/L #	84
32) Bromochloromethane	4.620	128	30177	11.706	ug/L #	72
34) Chloroform	4.689	83	104194	10.656	ug/L	96

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A26.D
Acq On : 11 Mar 2021 05:38 pm
Operator : VOA122:AJK
Sample : WG1473232-6,31,10,10,,A1
Misc : WG1473232,ICAL17646
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 11 18:27:57 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	4.829	117	80036	10.335	ug/L		99
39) 1,1,1-Trichloroethane	4.892	97	92778	10.901	ug/L		95
41) 2-Butanone	4.989	43	13977	9.163	ug/L	#	69
42) 1,1-Dichloropropene	5.017	75	44585	9.615	ug/L		99
44) Benzene	5.254	78	195579	10.286	ug/L	#	92
47) 1,2-Dichloroethane	5.446	62	68274	9.817	ug/L		99
51) Trichloroethene	5.837	95	51623	10.163	ug/L		99
53) Dibromomethane	6.273	93	30689	10.252	ug/L	#	85
54) 1,2-Dichloropropane	6.376	63	52647	9.665	ug/L		94
57) Bromodichloromethane	6.442	83	68169	10.131	ug/L		99
60) 1,4-Dioxane	6.656	88	16000	475.039	ug/L	#	66
61) cis-1,3-Dichloropropene	7.134	75	61230	7.683	ug/L	#	90
64) Toluene	7.400	92	120155	9.501	ug/L		98
65) 4-Methyl-2-pentanone	7.842	58	8598	6.701	ug/L	#	75
66) Tetrachloroethene	7.842	166	55061	8.936	ug/L		95
68) trans-1,3-Dichloropropene	7.878	75	50144	7.928	ug/L		90
71) 1,1,2-Trichloroethane	8.063	83	27812	8.382	ug/L		97
72) Chlorodibromomethane	8.265	129	46255	8.231	ug/L		99
73) 1,3-Dichloropropane	8.384	76	57103	9.329	ug/L		99
74) 1,2-Dibromoethane	8.535	107	31561	8.044	ug/L		99
76) 2-Hexanone	8.844	43	15053	6.791	ug/L	#	91
77) Chlorobenzene	9.193	112	138212	9.356	ug/L		90
78) Ethylbenzene	9.241	91	229404	9.505	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.281	131	40911	8.345	ug/L		97
80) p/m Xylene	9.431	106	194786	20.124	ug/L		99
81) o Xylene	9.970	106	179930	20.462	ug/L		100
82) Styrene	10.042	104	294450	20.928	ug/L		99
84) Bromoform	10.050	173	24060	7.594	ug/L		99
86) Isopropylbenzene	10.383	105	242088	8.680	ug/L		98
88) Bromobenzene	10.819	156	57324	8.643	ug/L		100
89) n-Propylbenzene	10.882	91	307480	9.151	ug/L		98
91) 1,1,2,2-Tetrachloroethane	10.962	83	38645	8.205	ug/L		99
92) 4-Ethyltoluene	11.009	105	239817	9.058	ug/L		100
93) 2-Chlorotoluene	11.041	91	199591	9.050	ug/L		99
94) 1,3,5-Trimethylbenzene	11.120	105	190173	8.523	ug/L		100
95) 1,2,3-Trichloropropane	11.105	75	30254	7.900	ug/L		97
96) trans-1,4-Dichloro-2-b...	11.168	53	8839	5.519	ug/L	#	70
97) 4-Chlorotoluene	11.239	91	182704	9.165	ug/L		99
98) tert-Butylbenzene	11.469	119	185659	7.920	ug/L		99

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A26.D
Acq On : 11 Mar 2021 05:38 pm
Operator : VOA122:AJK
Sample : WG1473232-6,31,10,10,,A1
Misc : WG1473232,ICAL17646
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 11 18:27:57 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.545	105	186107	8.598	ug/L	99
102) sec-Butylbenzene	11.663	105	245449	9.371	ug/L	98
103) p-Isopropyltoluene	11.824	119	215513	8.991	ug/L	98
104) 1,3-Dichlorobenzene	11.879	146	125804	9.255	ug/L	99
105) 1,4-Dichlorobenzene	11.970	146	125629	9.178	ug/L	99
106) p-Diethylbenzene	12.206	119	117163	8.045	ug/L	98
107) n-Butylbenzene	12.262	91	186151	9.070	ug/L	98
108) 1,2-Dichlorobenzene	12.401	146	113136	9.291	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.014	119	162470	8.587	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.195	155	6861	7.977	ug/L	95
112) Hexachlorobutadiene	13.814	225	25597	9.655	ug/L	99
113) 1,2,4-Trichlorobenzene	13.828	180	66453	9.311	ug/L	99
114) Naphthalene	14.128	128	161607	9.909	ug/L	100
115) 1,2,3-Trichlorobenzene	14.295	180	63747	10.100	ug/L	98

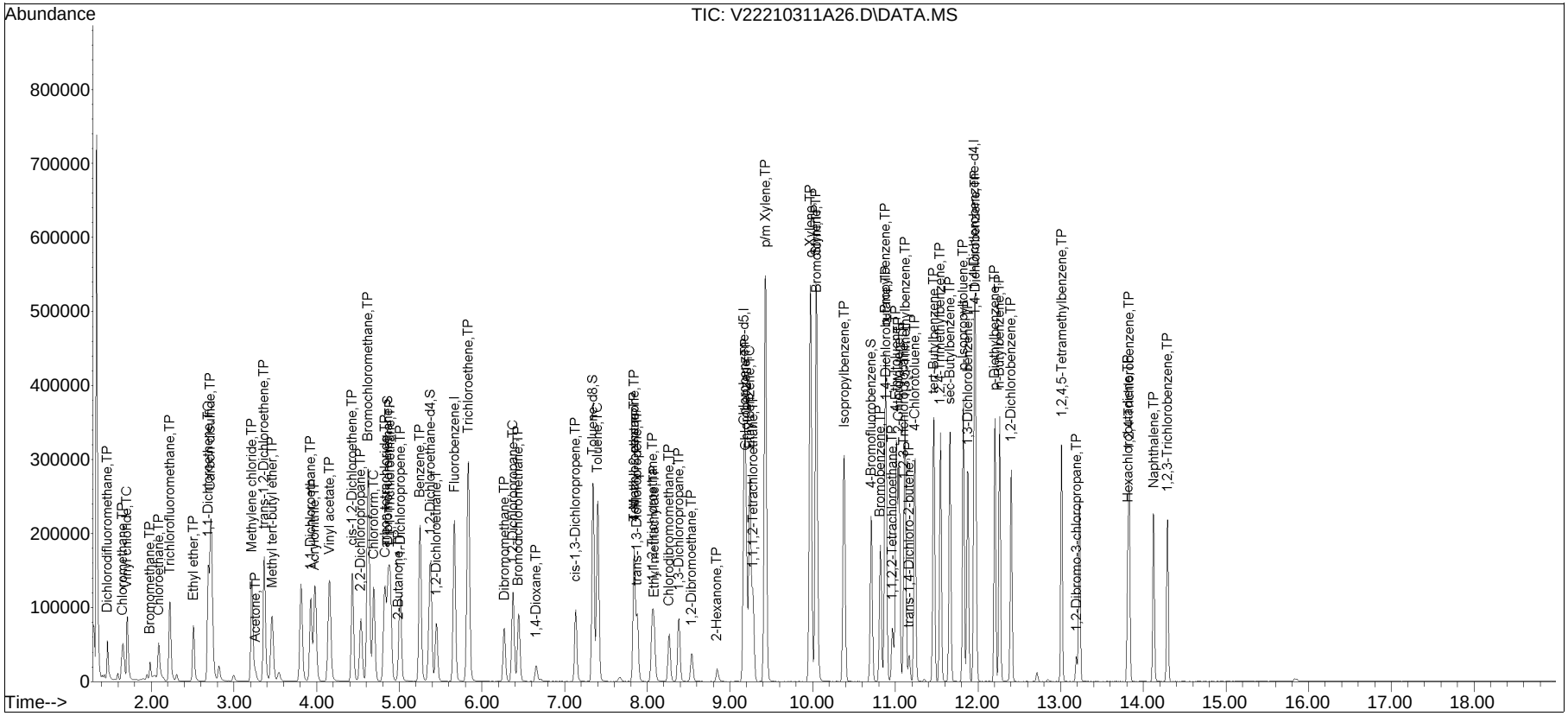
(#) = qualifier out of range (m) = manual integration (+) = signals summed

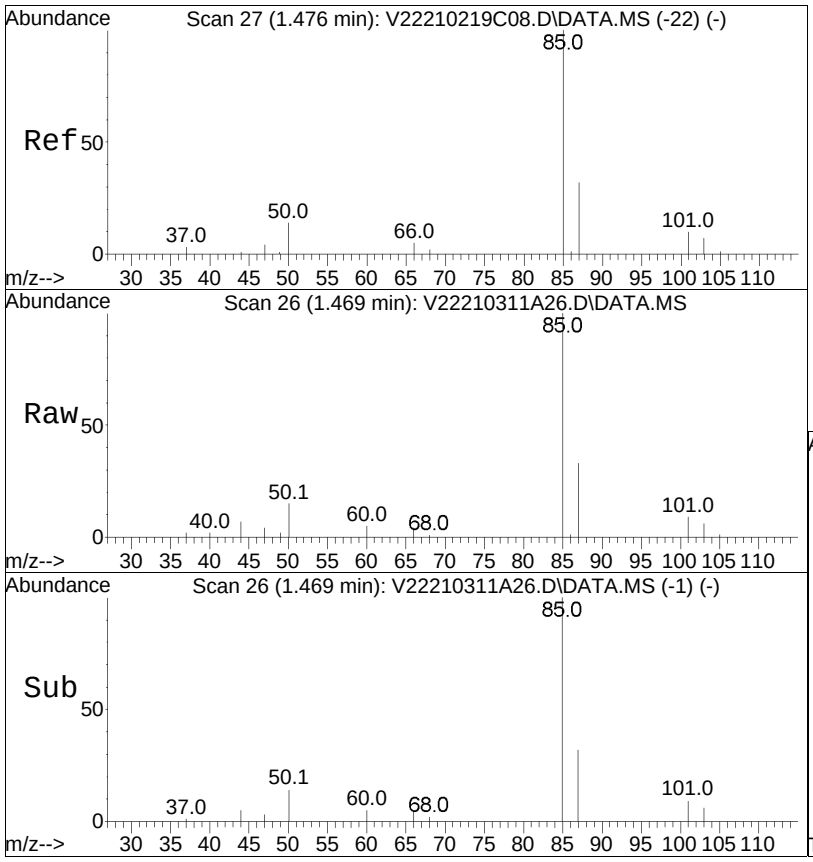
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A26.D
Acq On : 11 Mar 2021 05:38 pm
Operator : VOA122:AJK
Sample : WG1473232-6,31,10,10,,A1
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Quant Time: Mar 11 18:27:57 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10311A\\V22210311A01.D•

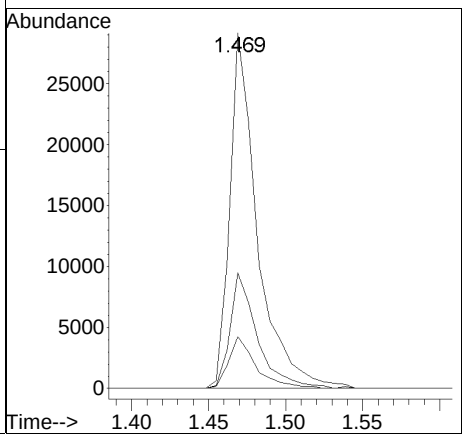


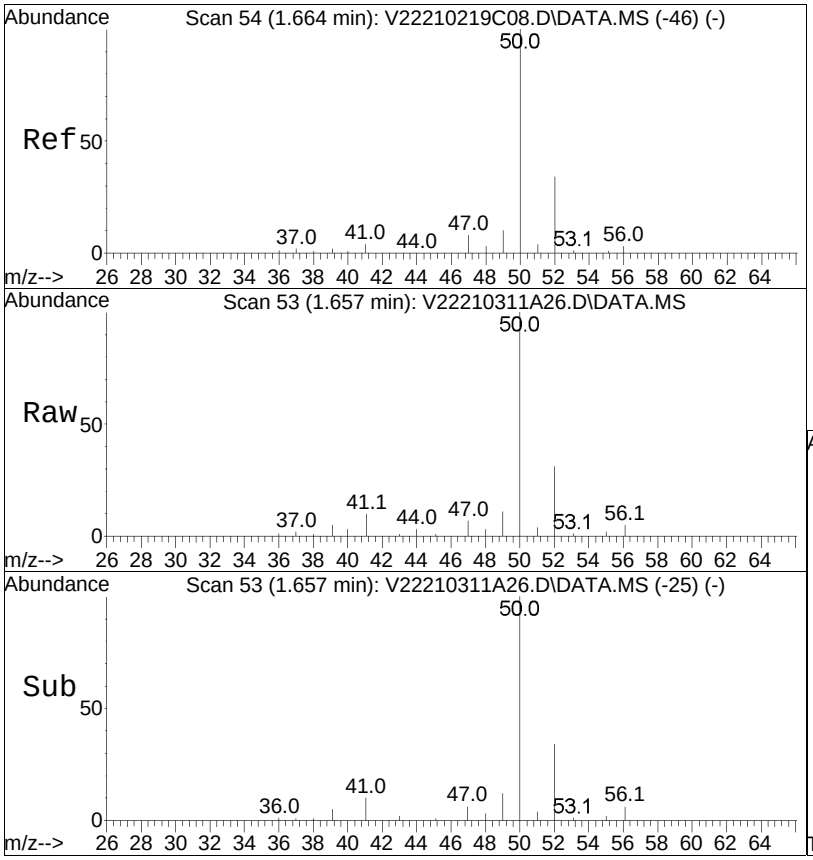


#2
Dichlorodifluoromethane
Concen: 11.38 ug/L
RT: 1.469 min Scan# 26
Delta R.T. -0.007 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 85 Resp: 36356

Ion	Ratio	Lower	Upper
85	100		
87	32.2	20.7	42.9
50	14.5	6.8	14.2#

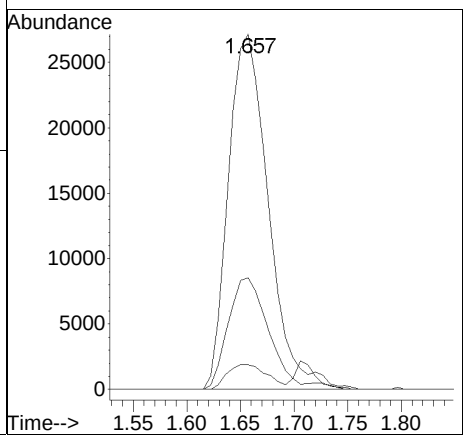


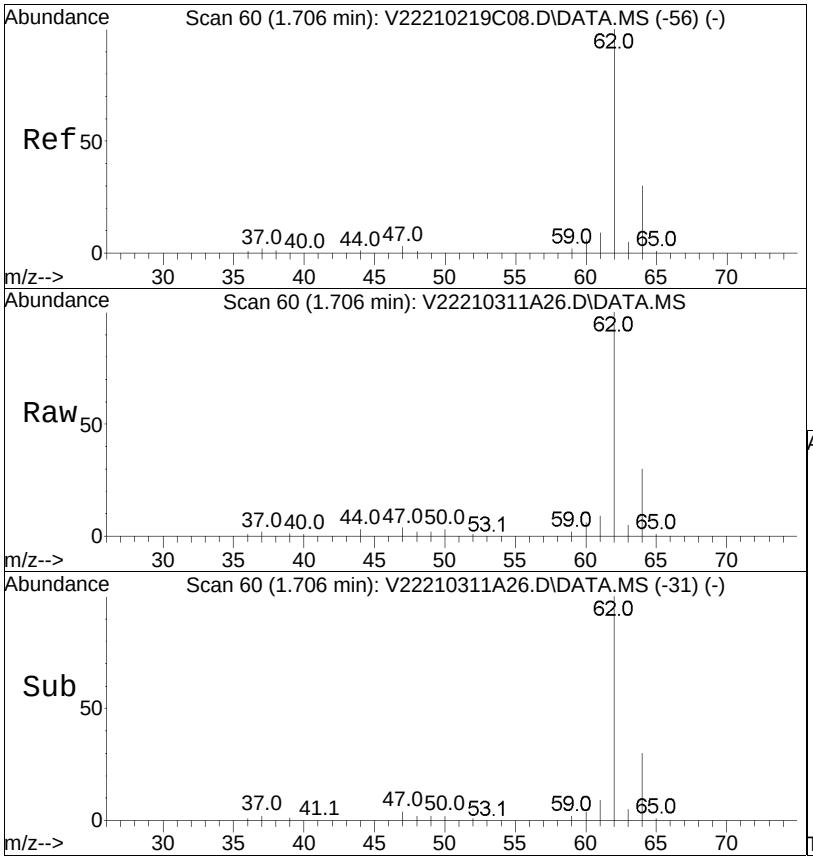


#3
Chloromethane
Concen: 10.11 ug/L
RT: 1.657 min Scan# 53
Delta R.T. -0.007 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 50 Resp: 70712

Ion	Ratio	Lower	Upper
50	100		
52	31.4	12.8	52.8
47	7.1	0.0	30.0

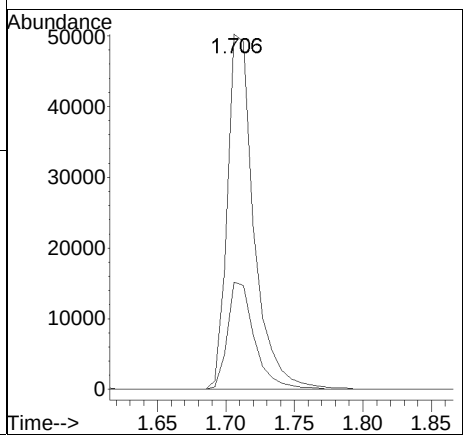


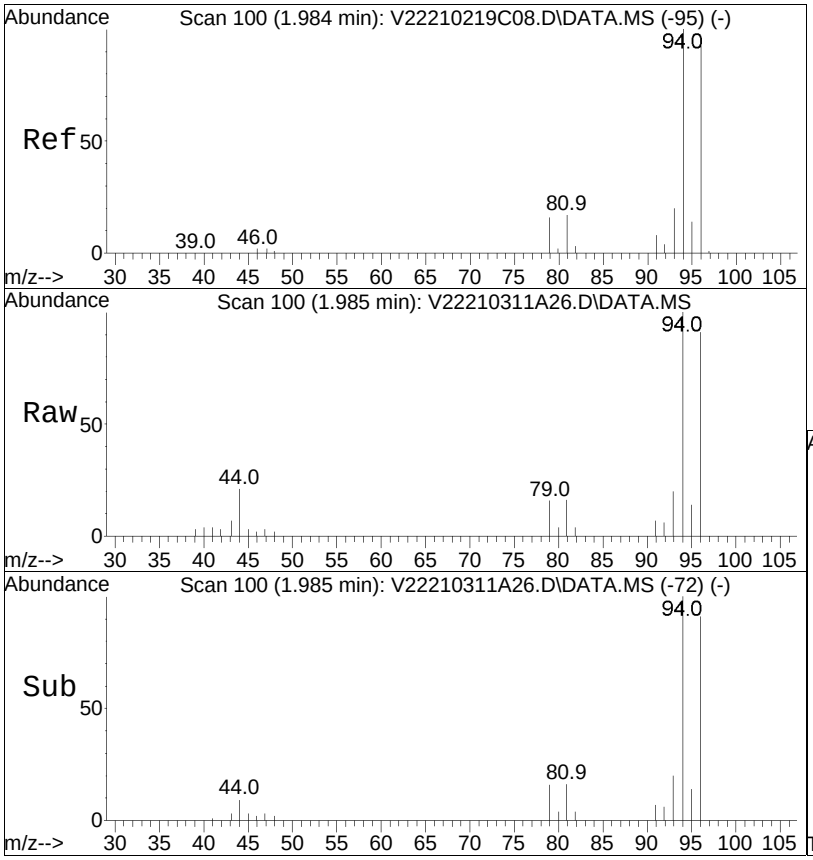


#4
Vinyl chloride
Concen: 10.99 ug/L
RT: 1.706 min Scan# 60
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 62 Resp: 68116

Ion	Ratio	Lower	Upper
62	100		
64	30.7	12.0	52.0

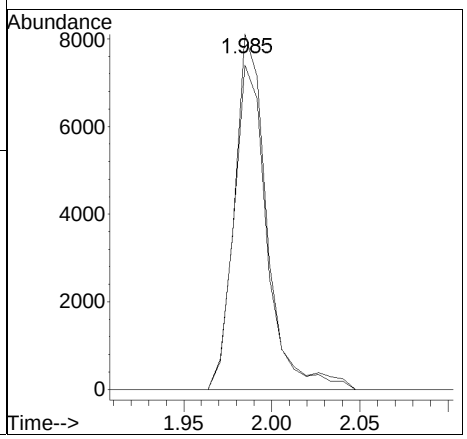


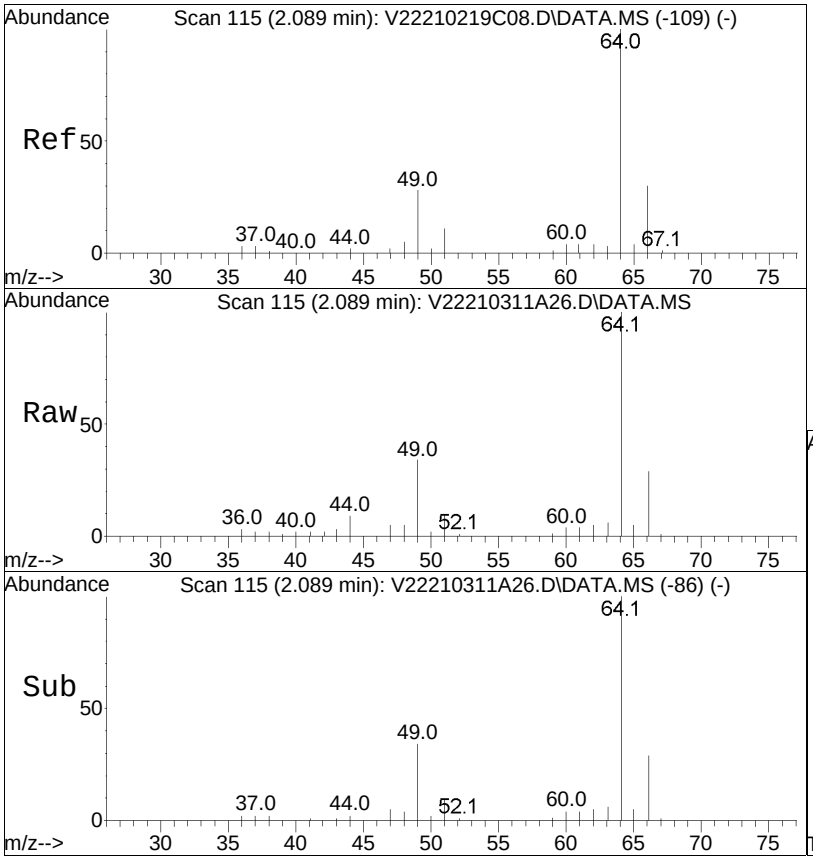


#5
Bromomethane
Concen: 2.96 ug/L
RT: 1.985 min Scan# 100
Delta R.T. -0.007 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 94 Resp: 10456

Ion	Ratio	Lower	Upper
94	100		
96	92.6	72.8	112.8

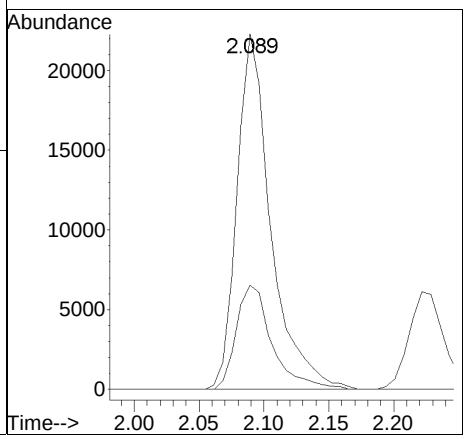


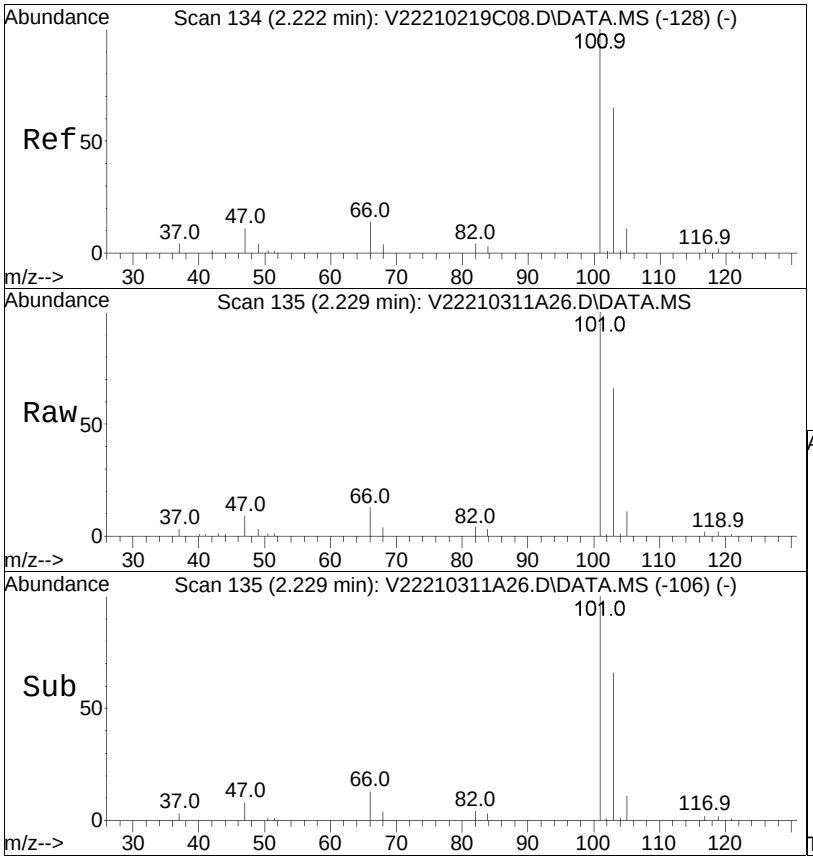


#6
Chloroethane
Concen: 8.81 ug/L
RT: 2.089 min Scan# 115
Delta R.T. 0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 64 Resp: 40454

Ion	Ratio	Lower	Upper
64	100		
66	31.1	12.2	52.2

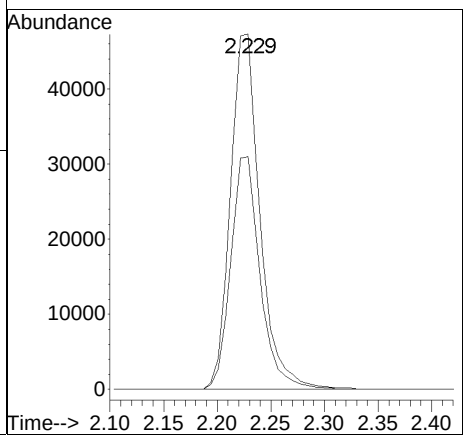


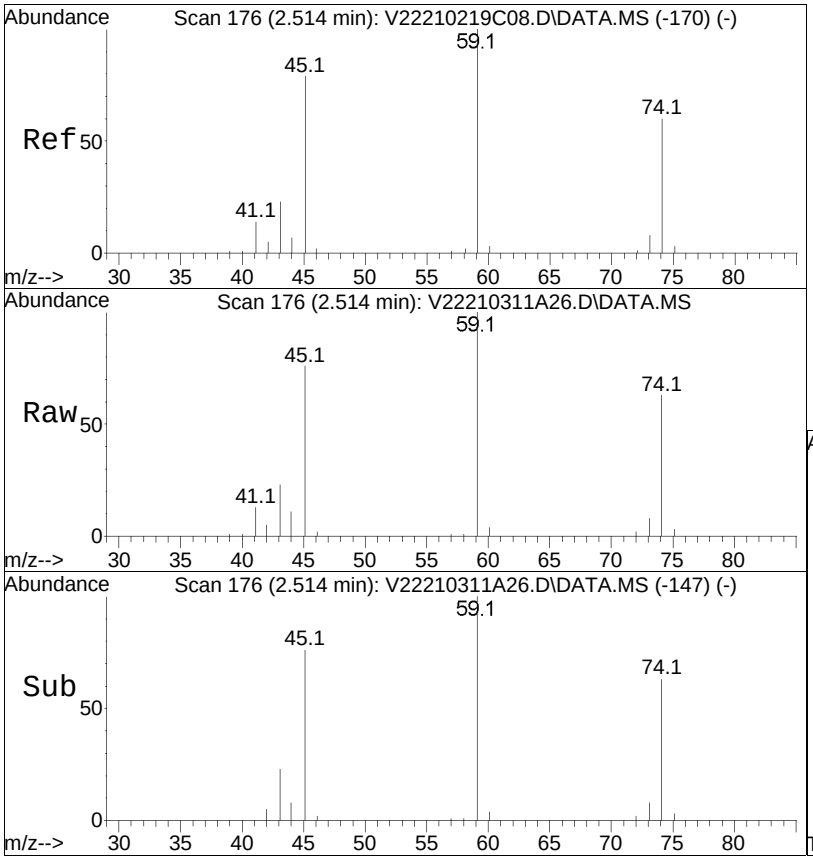


#7
Trichlorofluoromethane
Concen: 11.20 ug/L
RT: 2.229 min Scan# 135
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:101 Resp: 90857

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.6	77.4

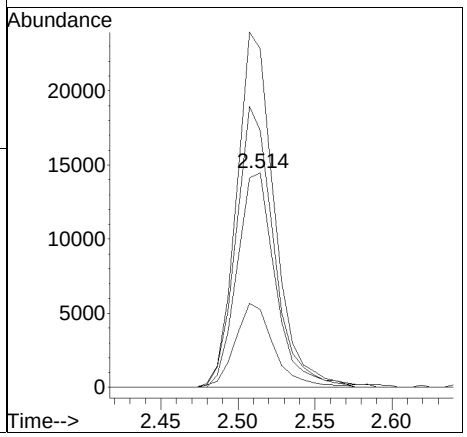


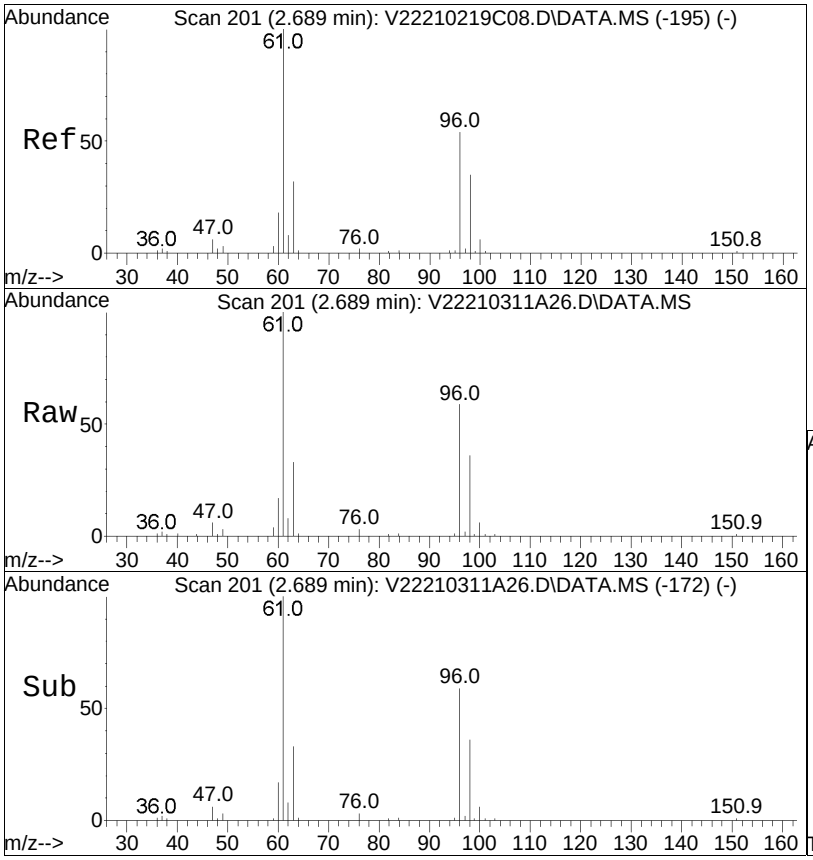


#8
Ethyl ether
Concen: 10.60 ug/L
RT: 2.514 min Scan# 176
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 74 Resp: 25262

Ion	Ratio	Lower	Upper
74	100		
59	163.5	2122.4	4408.0#
45	128.5	1435.1	2980.5#
43	39.5	407.9	847.3#

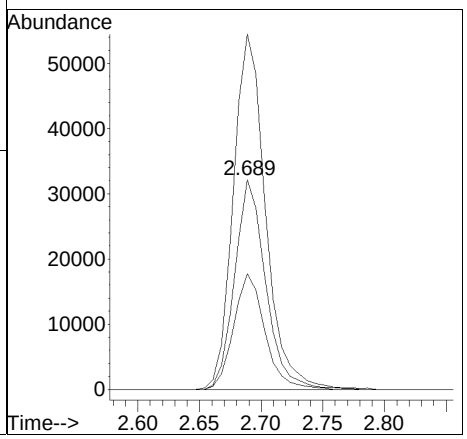


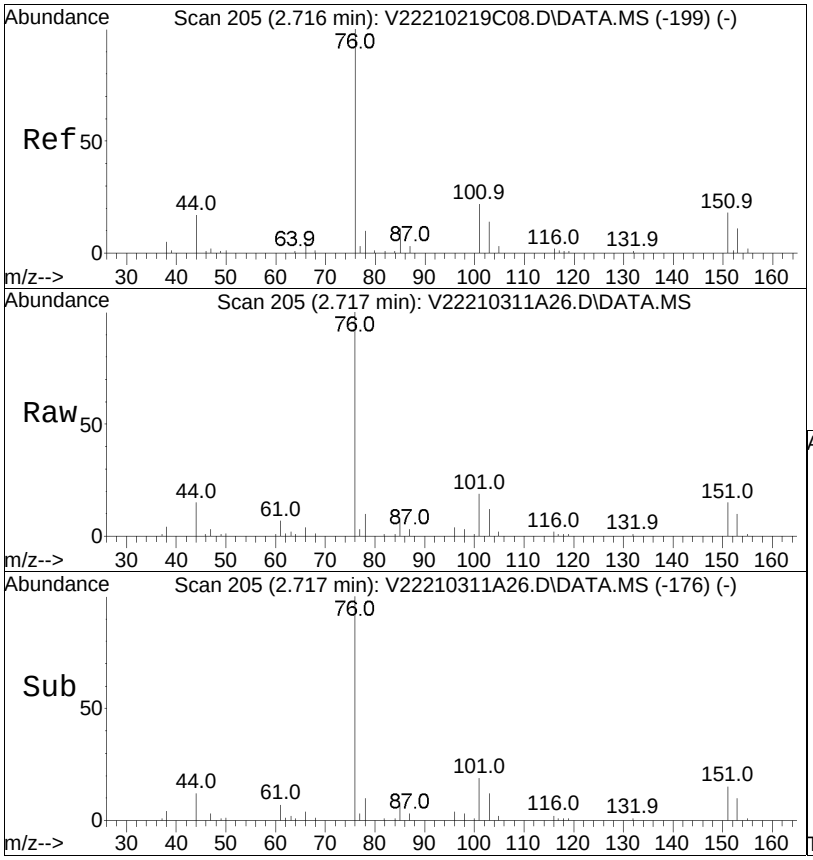


#10
1,1-Dichloroethene
Concen: 11.35 ug/L
RT: 2.689 min Scan# 201
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 96 Resp: 56399

Ion	Ratio	Lower	Upper
96	100		
61	175.9	117.0	175.4#
63	55.3	37.8	56.6

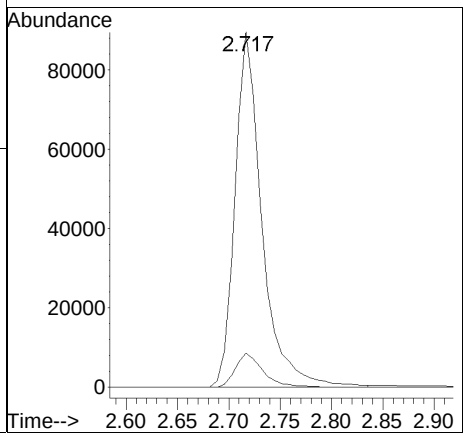


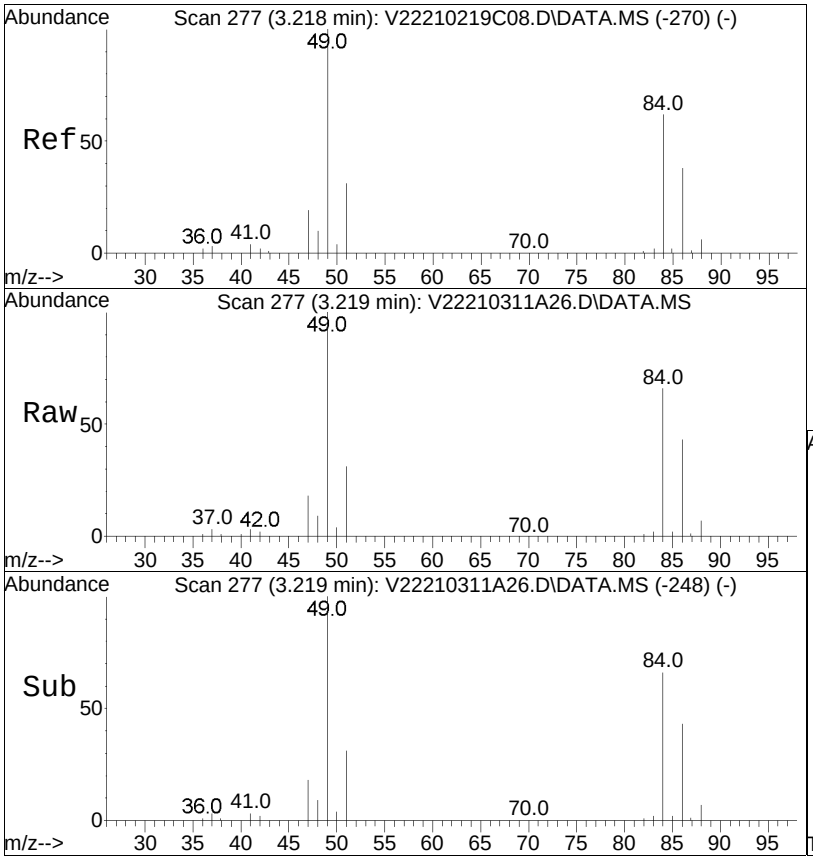


#11
Carbon disulfide
Concen: 14.29 ug/L
RT: 2.717 min Scan# 205
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 76 Resp: 164123

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.4	13.4

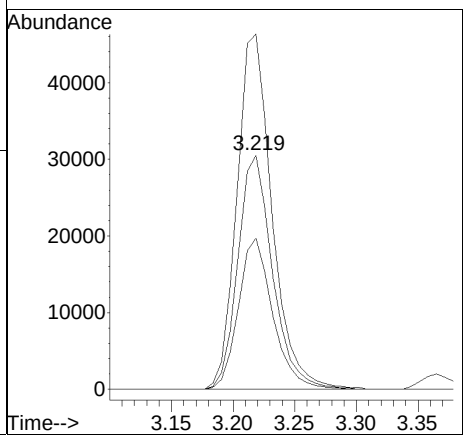


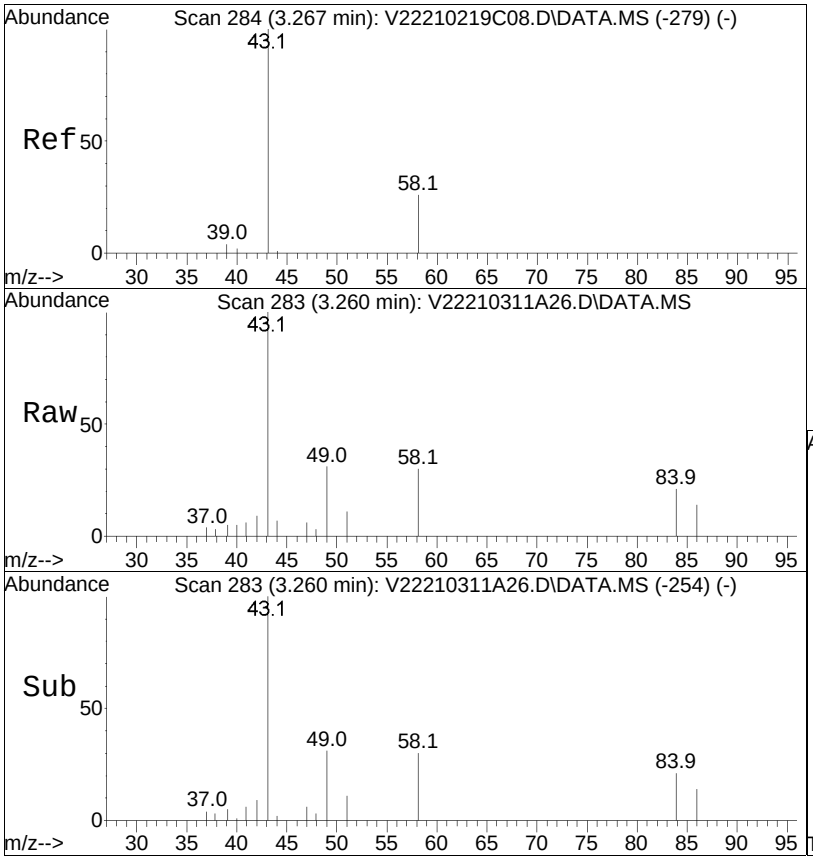


#15
Methylene chloride
Concen: 10.89 ug/L
RT: 3.219 min Scan# 277
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 84 Resp: 59834

Ion	Ratio	Lower	Upper
84	100		
86	64.1	41.5	86.3
49	153.7	68.8	143.0#

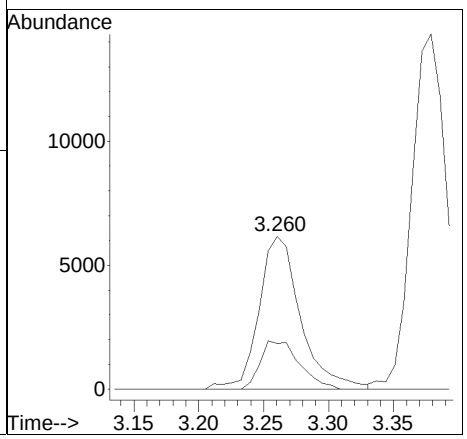


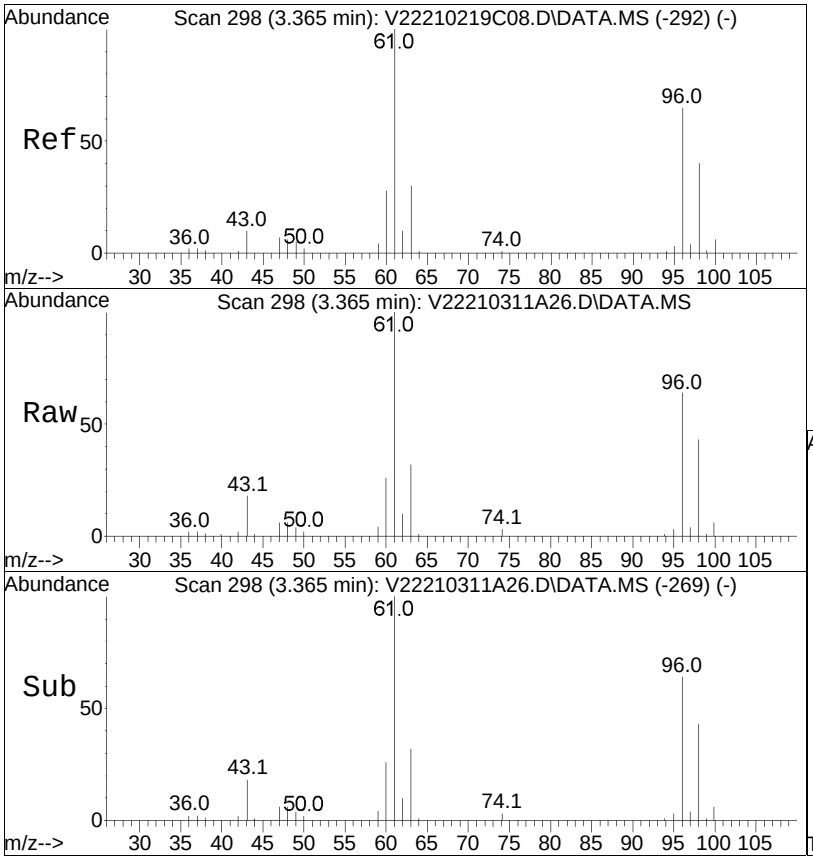


#17
Acetone
Concen: 11.49 ug/L
RT: 3.260 min Scan# 283
Delta R.T. 0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 43 Resp: 13848

Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.1	34.7

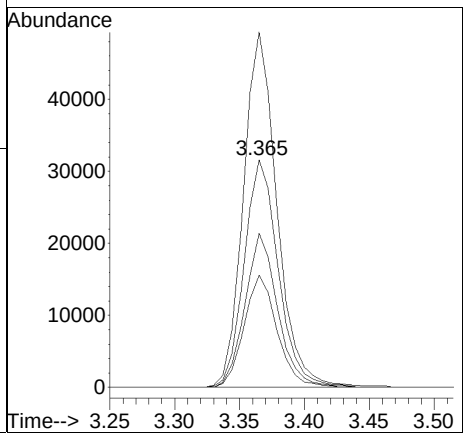


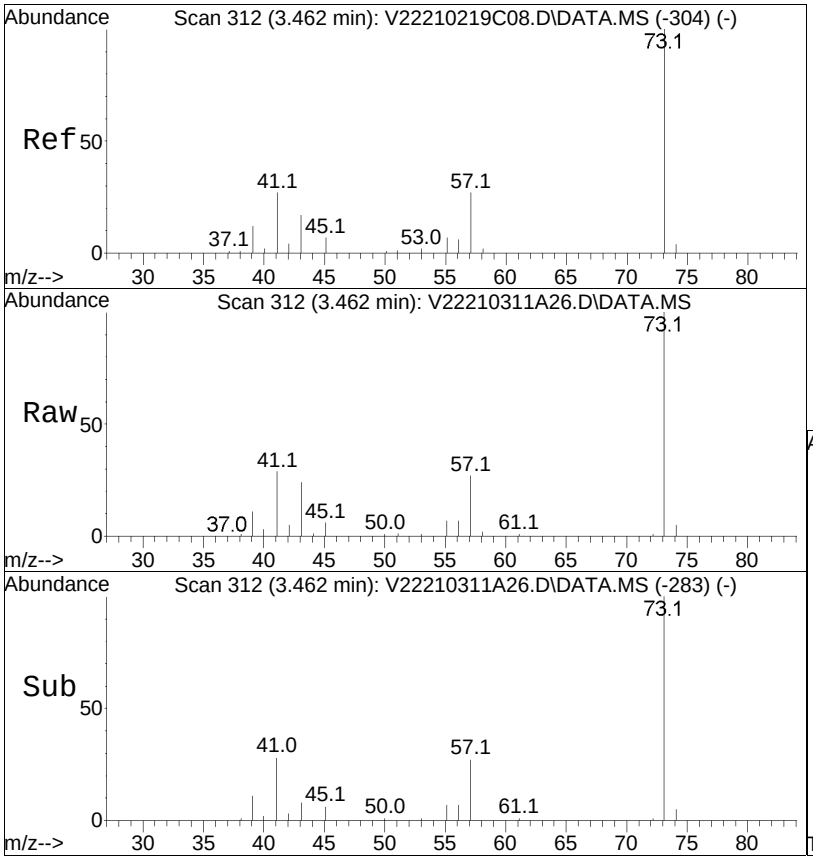


#18
trans-1,2-Dichloroethene
Concen: 10.98 ug/L
RT: 3.365 min Scan# 298
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 96 Resp: 57914

Ion	Ratio	Lower	Upper
96	100		
61	153.6	81.6	169.6
98	64.9	41.8	86.8
63	47.7	26.3	54.7

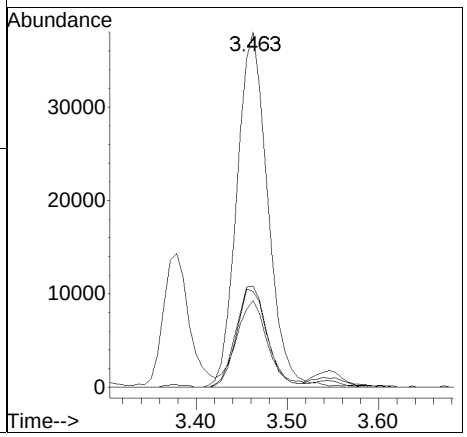


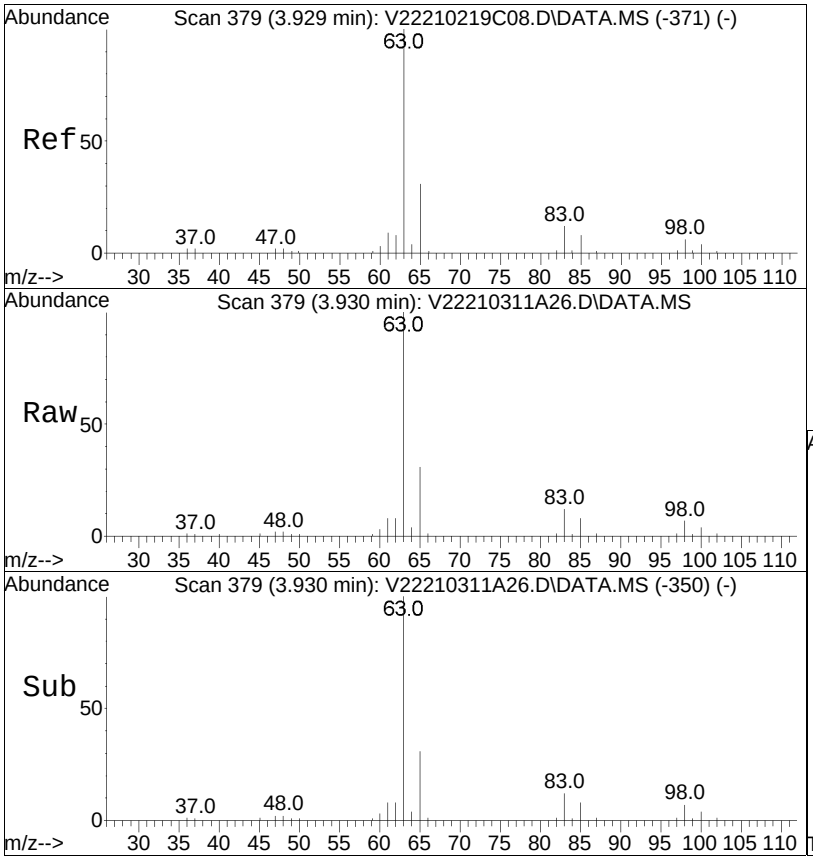


#21
Methyl tert-butyl ether
Concen: 8.80 ug/L
RT: 3.462 min Scan# 312
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 73 Resp: 89640

Ion	Ratio	Lower	Upper
73	100		
57	27.6	13.6	28.2
43	23.9	12.7	26.5
41	29.4	11.4	23.8#

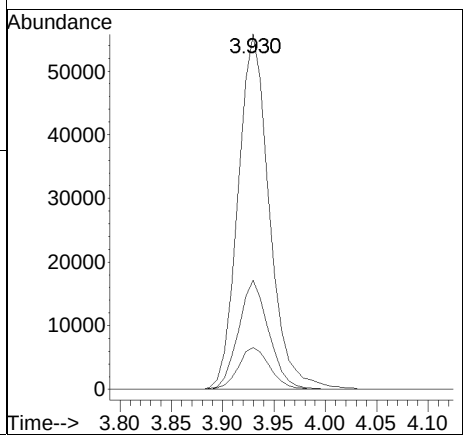


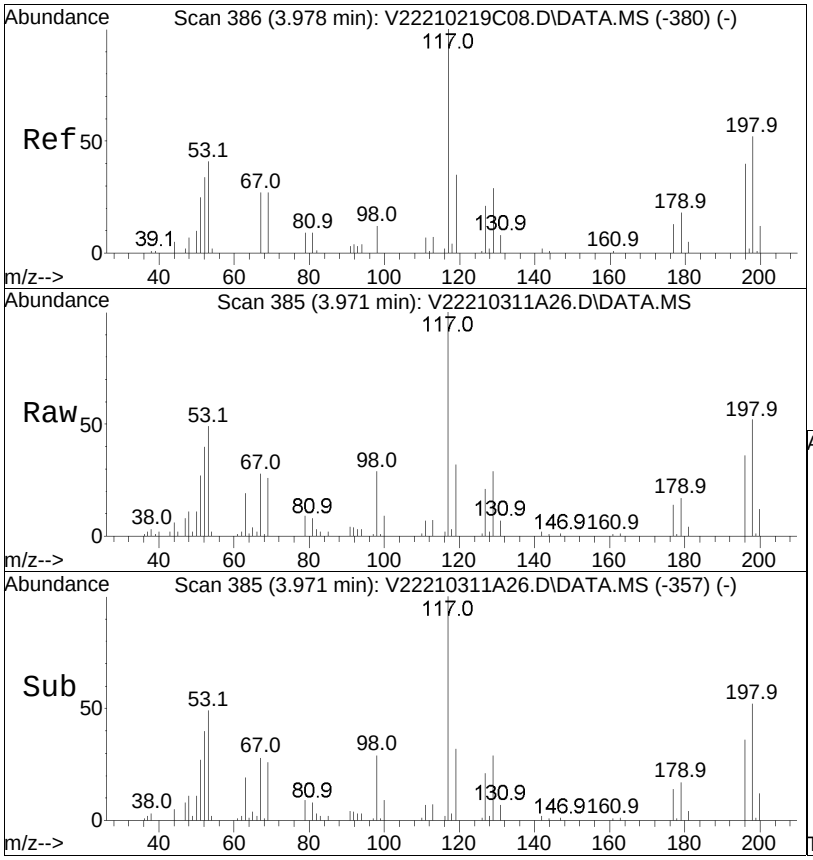


#25
1,1-Dichloroethane
Concen: 10.85 ug/L
RT: 3.930 min Scan# 379
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 63 Resp: 118420

Ion	Ratio	Lower	Upper
63	100		
65	29.8	11.9	51.9
83	11.9	0.0	34.2

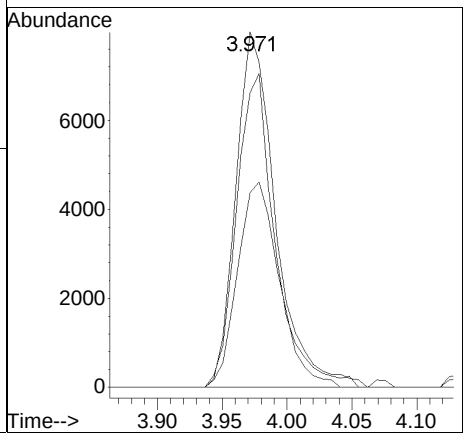


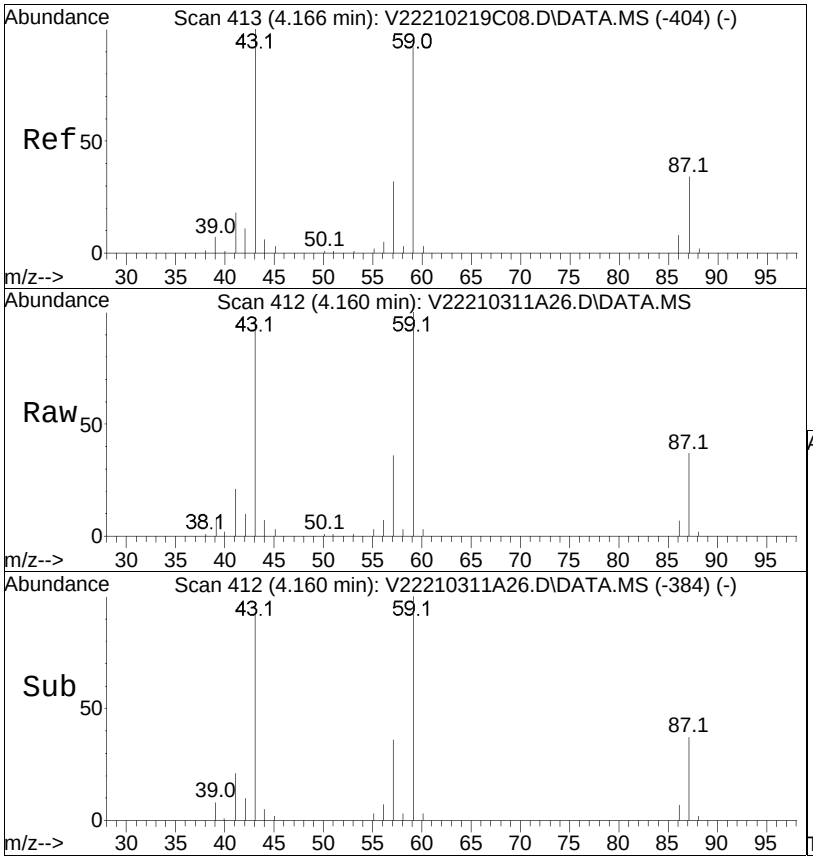


#27
Acrylonitrile
Concen: 10.62 ug/L
RT: 3.971 min Scan# 385
Delta R.T. -0.007 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 53 Resp: 17080

Ion	Ratio	Lower	Upper
53	100		
52	85.9	63.8	95.8
51	60.7	50.2	75.4

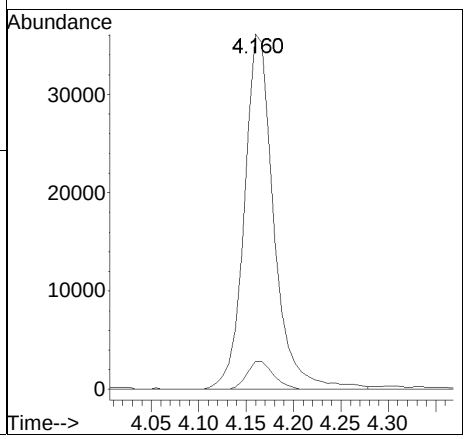


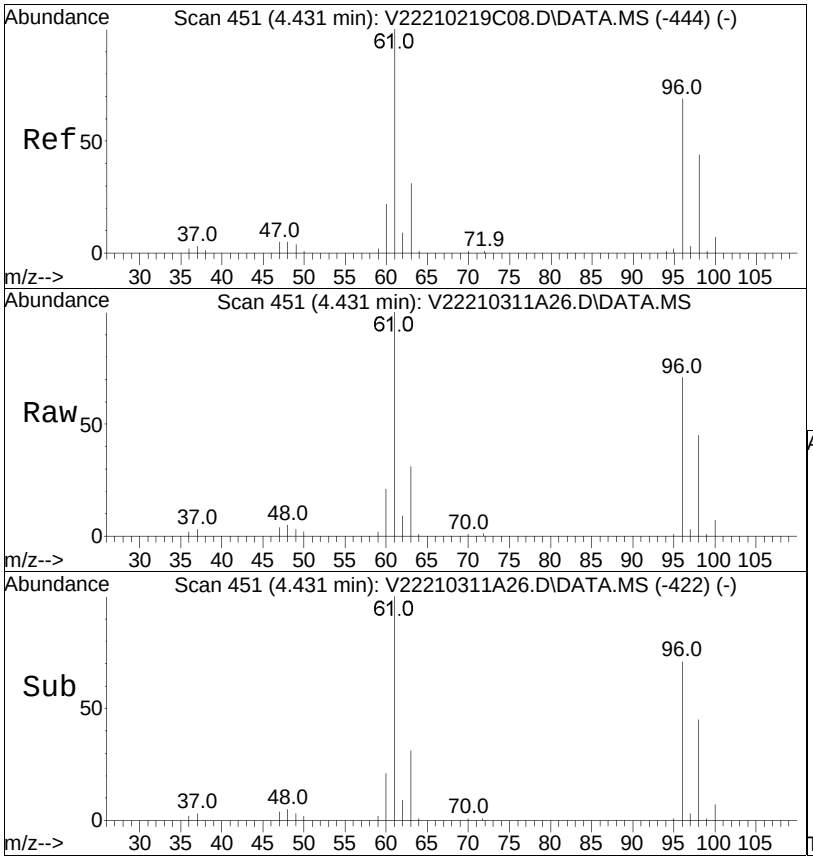


#29
Vinyl acetate
Concen: 7.37 ug/L
RT: 4.160 min Scan# 412
Delta R.T. -0.007 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 43 Resp: 78249

Ion	Ratio	Lower	Upper
43	100		
86	7.1	8.9	13.3#

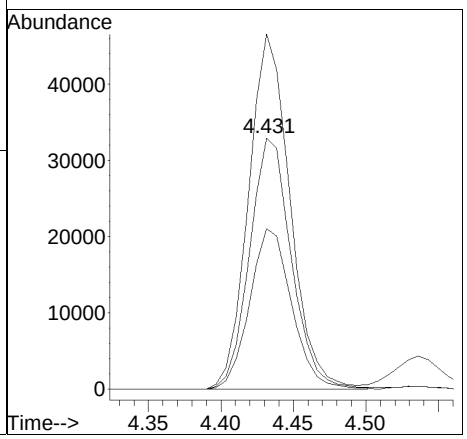


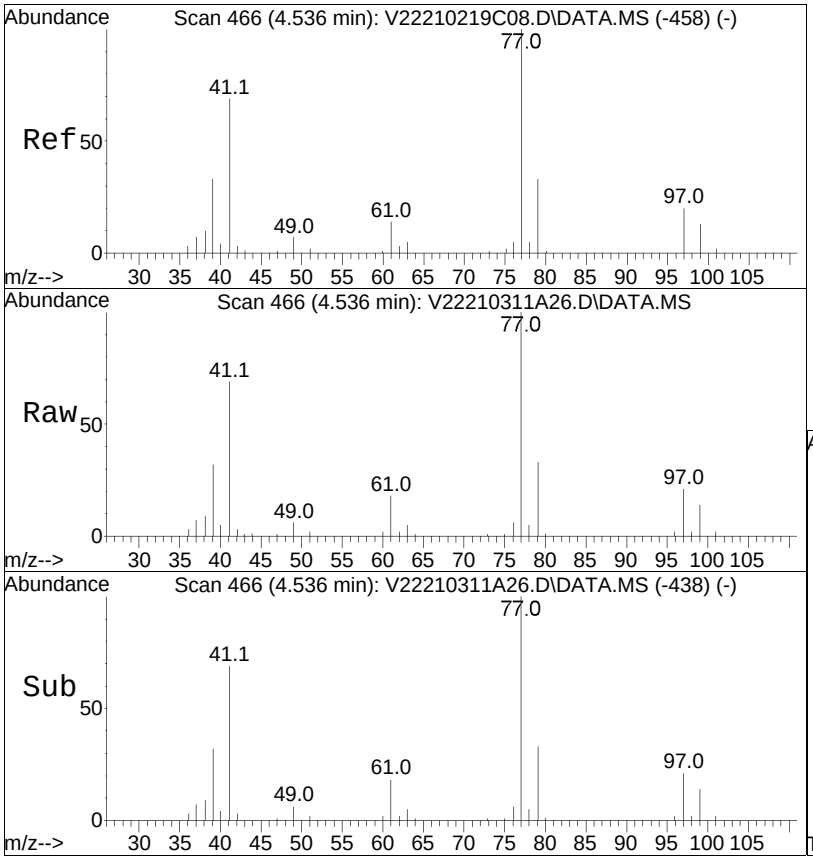


#30
cis-1,2-Dichloroethene
Concen: 10.84 ug/L
RT: 4.431 min Scan# 451
Delta R.T. 0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 96 Resp: 66136

Ion	Ratio	Lower	Upper
96	100		
61	140.3	90.3	135.5#
98	64.5	50.8	76.2

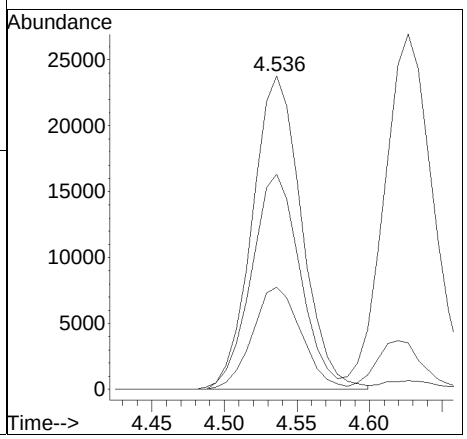


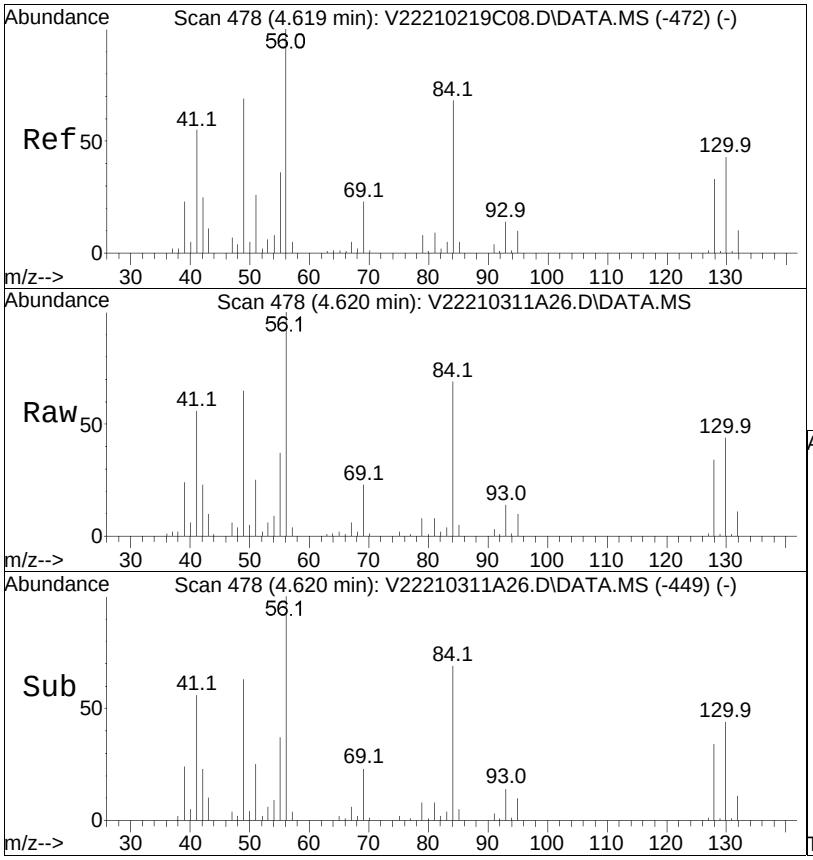


#31
2,2-Dichloropropane
Concen: 8.93 ug/L
RT: 4.536 min Scan# 466
Delta R.T. -0.002 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 77 Resp: 56236

Ion	Ratio	Lower	Upper
77	100		
41	67.9	32.3	67.1#
79	32.4	21.1	43.7

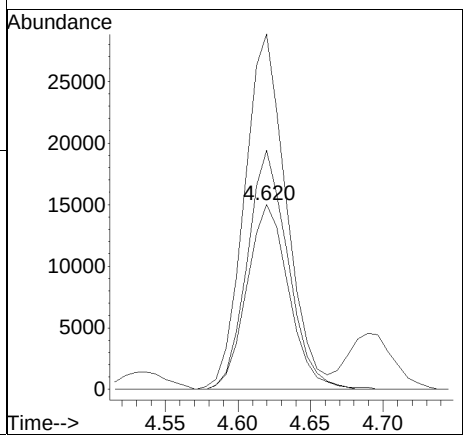


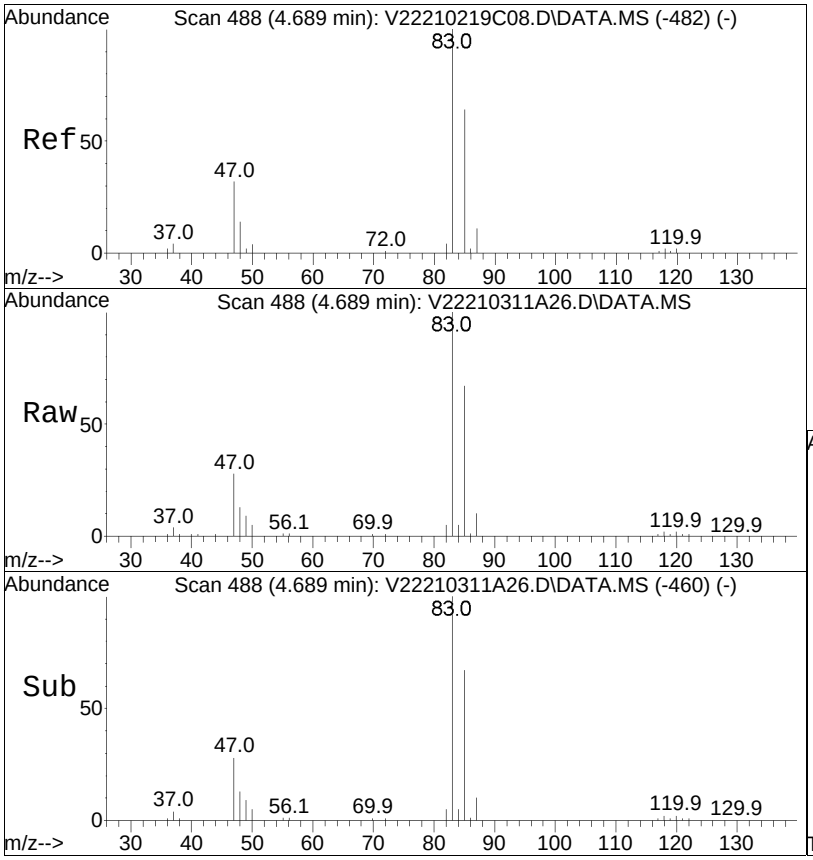


#32
Bromochloromethane
Concen: 11.71 ug/L
RT: 4.620 min Scan# 478
Delta R.T. 0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:128 Resp: 30177

Ion	Ratio	Lower	Upper
128	100		
49	191.7	104.4	156.6#
130	126.0	103.9	155.9

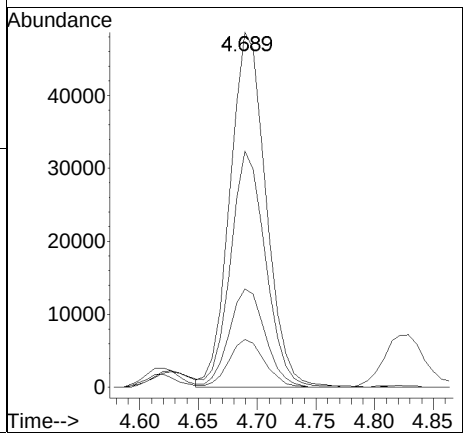


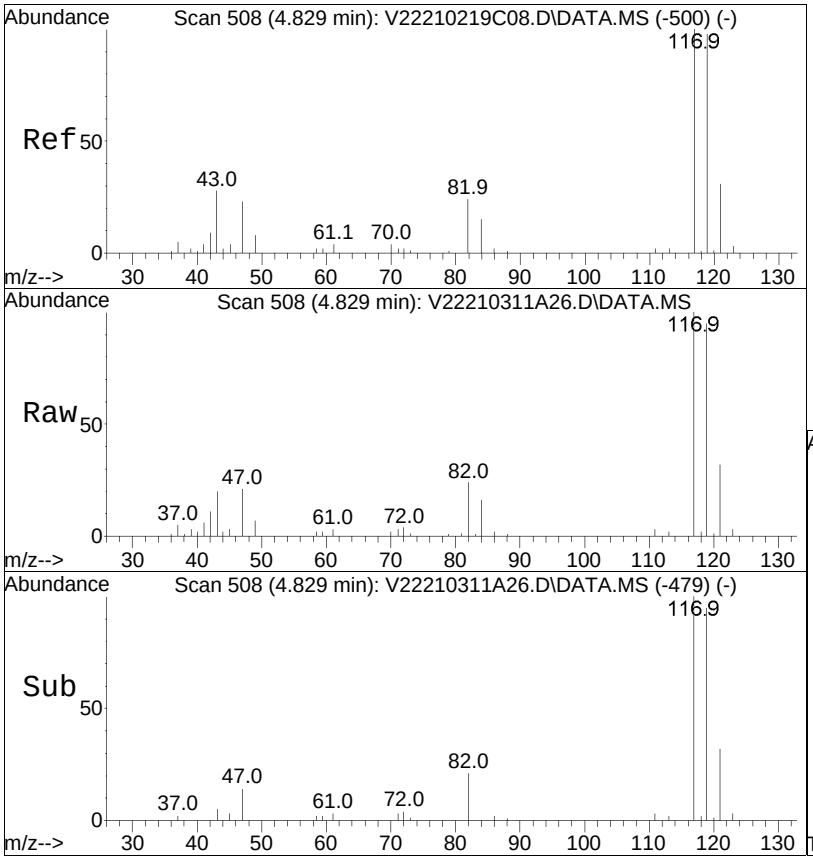


#34
Chloroform
Concen: 10.66 ug/L
RT: 4.689 min Scan# 488
Delta R.T. -0.004 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 83 Resp: 104194

Ion	Ratio	Lower	Upper
83	100		
85	64.5	42.4	88.2
47	27.7	14.0	29.0
48	13.5	6.9	14.3

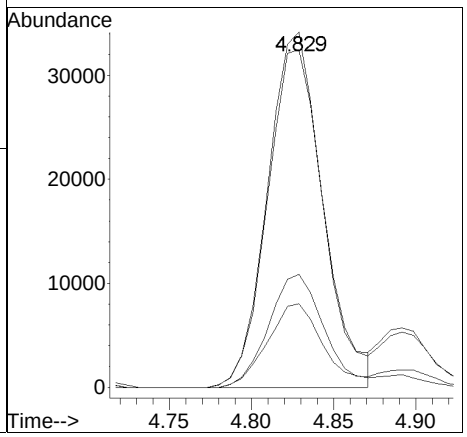


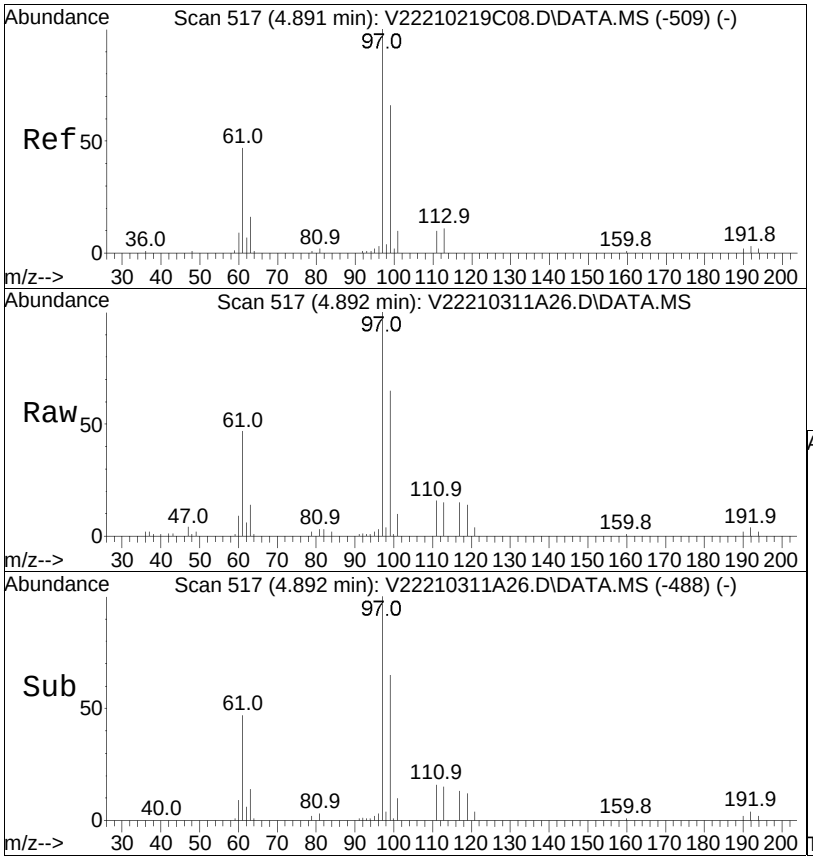


#36
Carbon tetrachloride
Concen: 10.33 ug/L
RT: 4.829 min Scan# 508
Delta R.T. 0.003 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:117 Resp: 80036

Ion	Ratio	Lower	Upper
117	100		
119	96.3	62.1	129.1
121	31.8	20.3	42.3
82	23.9	15.4	32.0

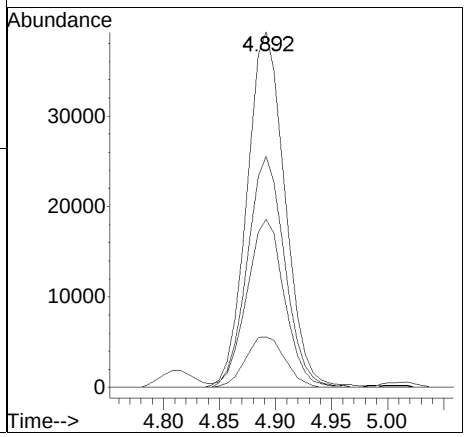


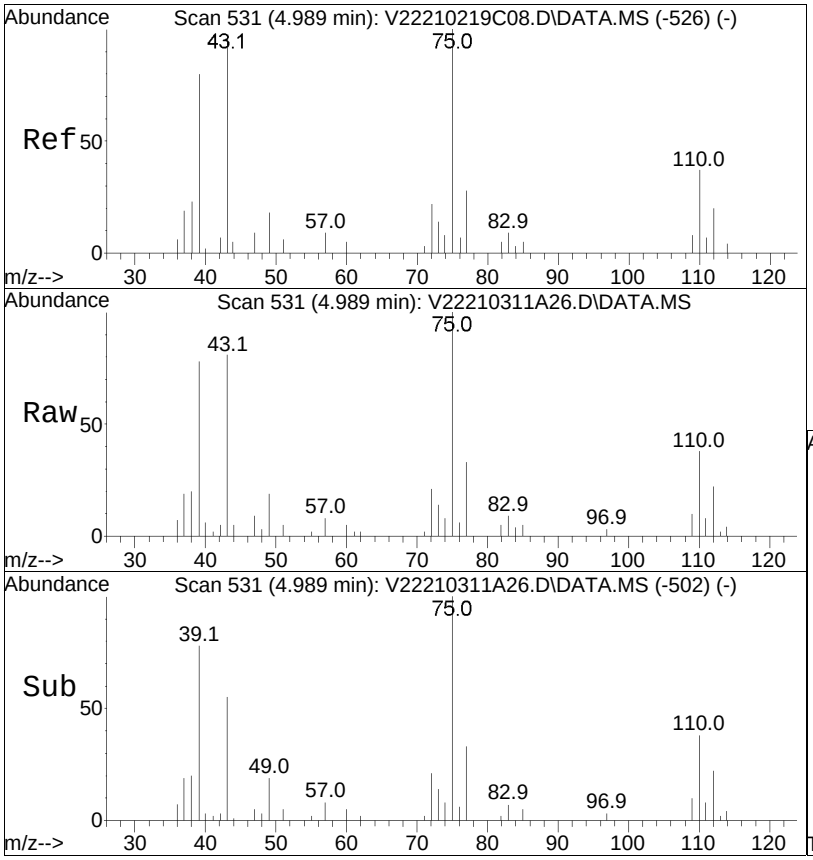


#39
1,1,1-Trichloroethane
Concen: 10.90 ug/L
RT: 4.892 min Scan# 517
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 97 Resp: 92778

Ion	Ratio	Lower	Upper
97	100		
99	64.0	42.4	88.0
61	47.4	26.0	54.0
63	14.8	8.3	17.3

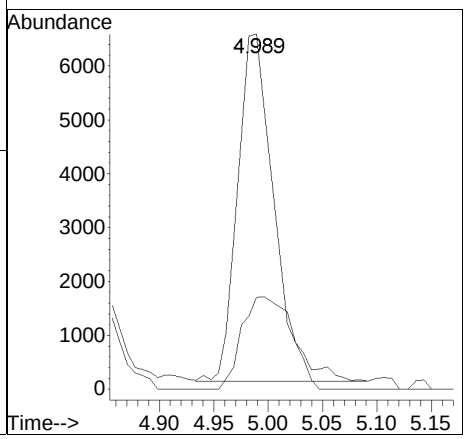


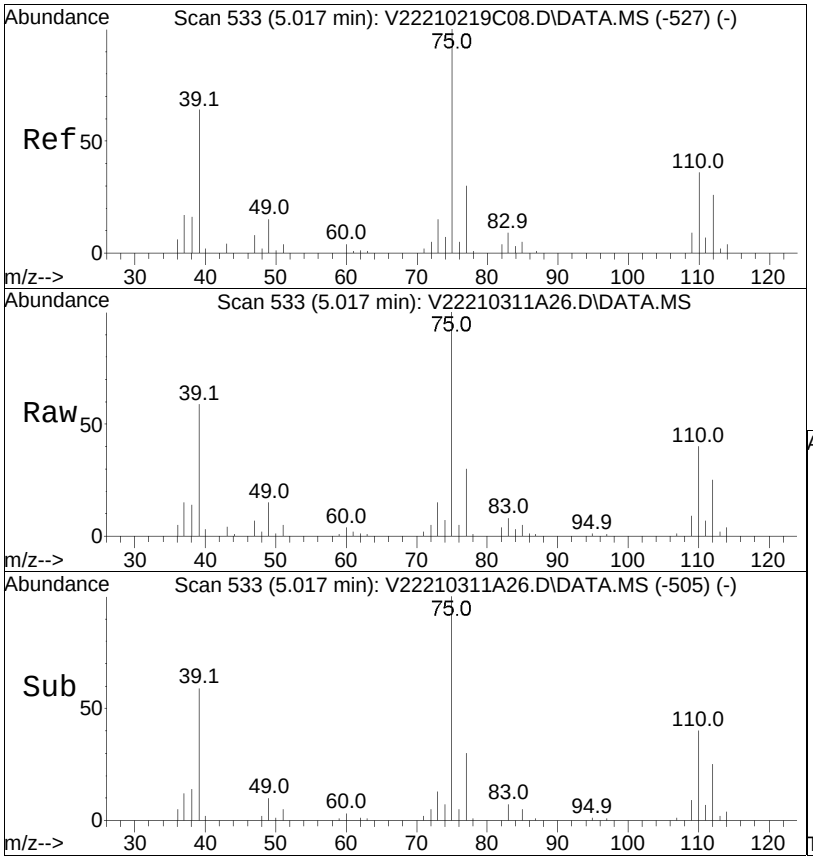


#41
2-Butanone
Concen: 9.16 ug/L
RT: 4.989 min Scan# 531
Delta R.T. 0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 43 Resp: 13977

Ion	Ratio	Lower	Upper
43	100		
72	34.2	45.8	68.8#

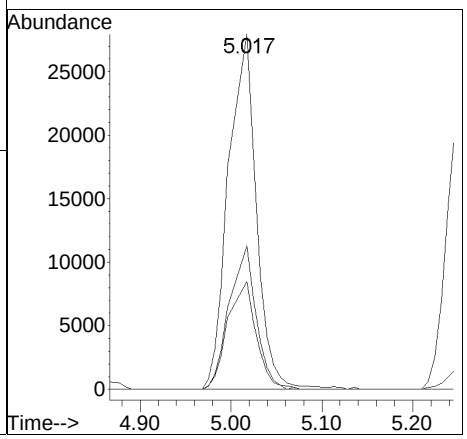


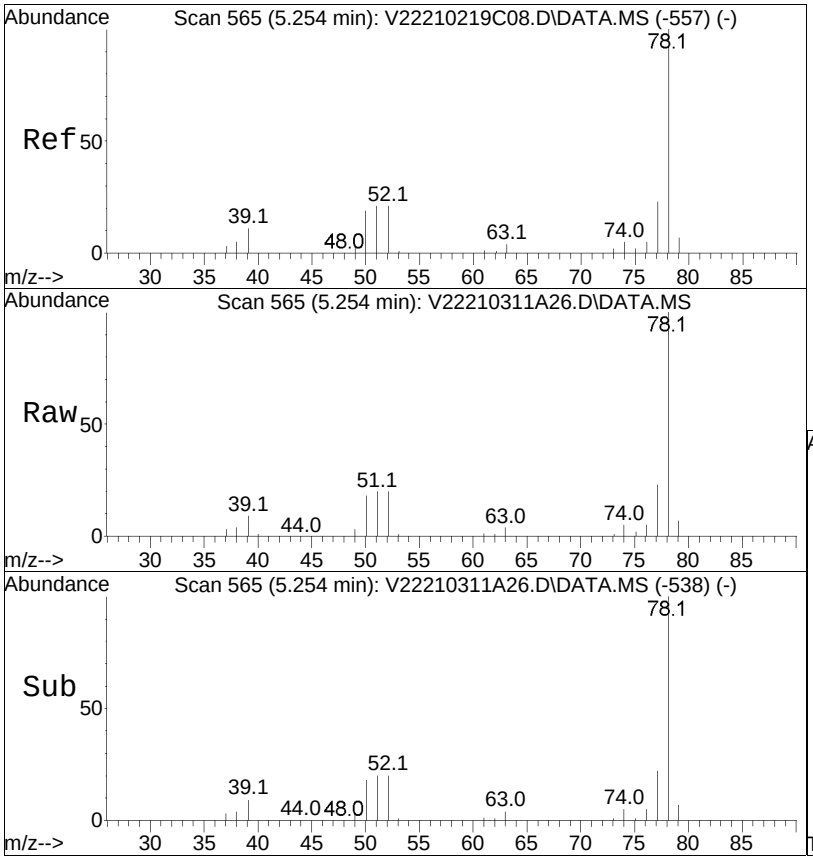


#42
1,1-Dichloropropene
Concen: 9.62 ug/L
RT: 5.017 min Scan# 533
Delta R.T. 0.007 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 75 Resp: 44585

Ion	Ratio	Lower	Upper
75	100		
110	40.0	25.4	52.8
77	31.6	20.3	42.1

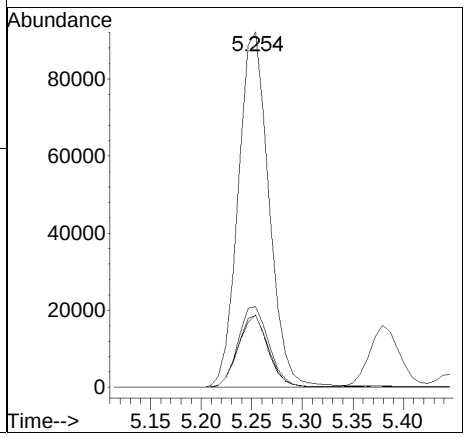


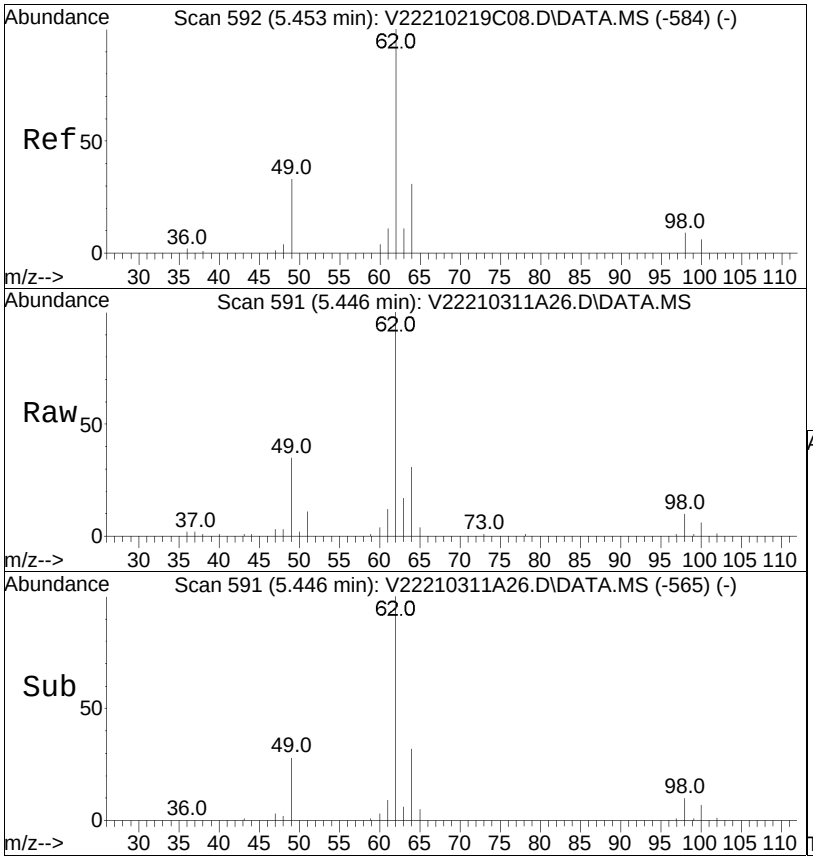


#44
Benzene
Concen: 10.29 ug/L
RT: 5.254 min Scan# 565
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 78 Resp: 195579

Ion	Ratio	Lower	Upper
78	100		
77	22.9	15.4	32.0
51	20.1	9.8	20.4
52	19.7	9.2	19.2#

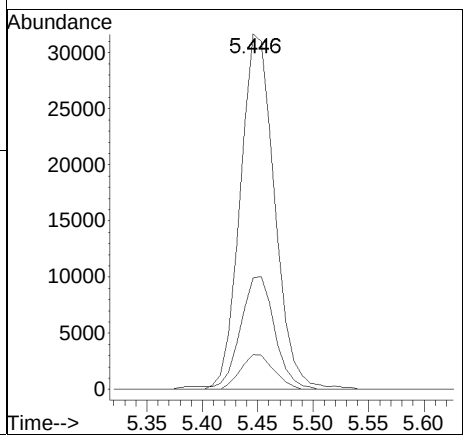


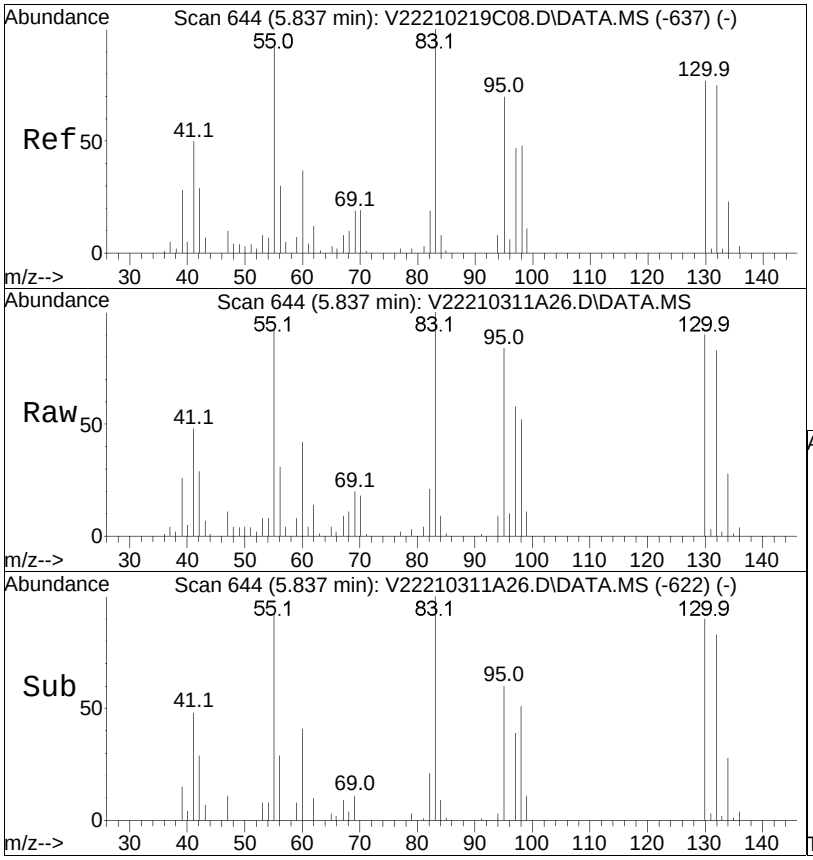


#47
1,2-Dichloroethane
Concen: 9.82 ug/L
RT: 5.446 min Scan# 591
Delta R.T. -0.007 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 62 Resp: 68274

Ion	Ratio	Lower	Upper
62	100		
64	32.2	12.3	52.3
98	9.6	0.0	30.3

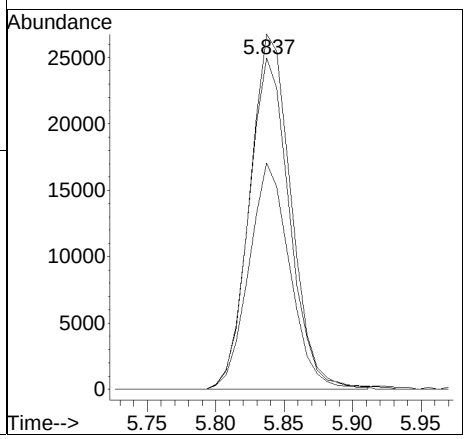


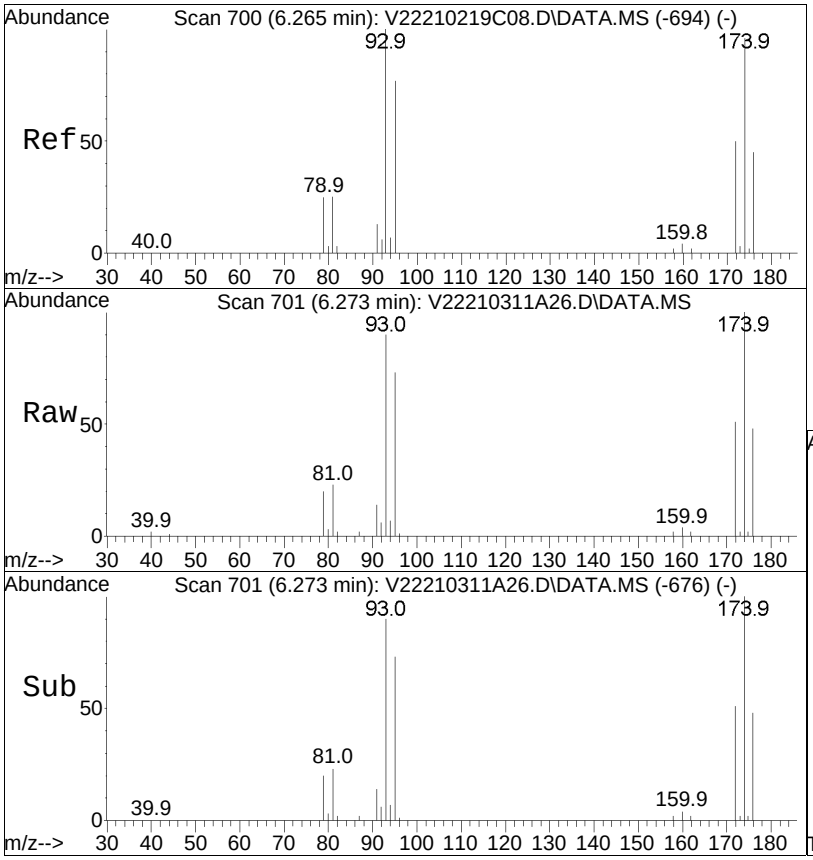


#51
Trichloroethene
Concen: 10.16 ug/L
RT: 5.837 min Scan# 644
Delta R.T. 0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 95 Resp: 51623

Ion	Ratio	Lower	Upper
95	100		
97	68.8	55.0	82.4
130	109.1	89.2	133.8

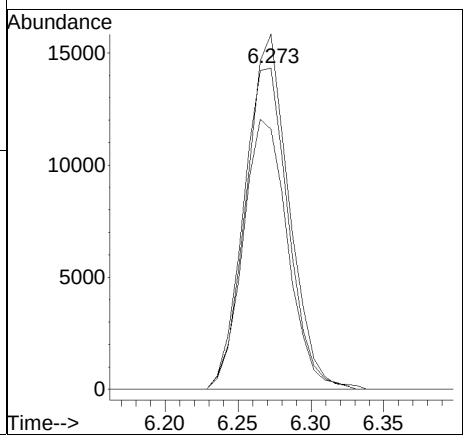


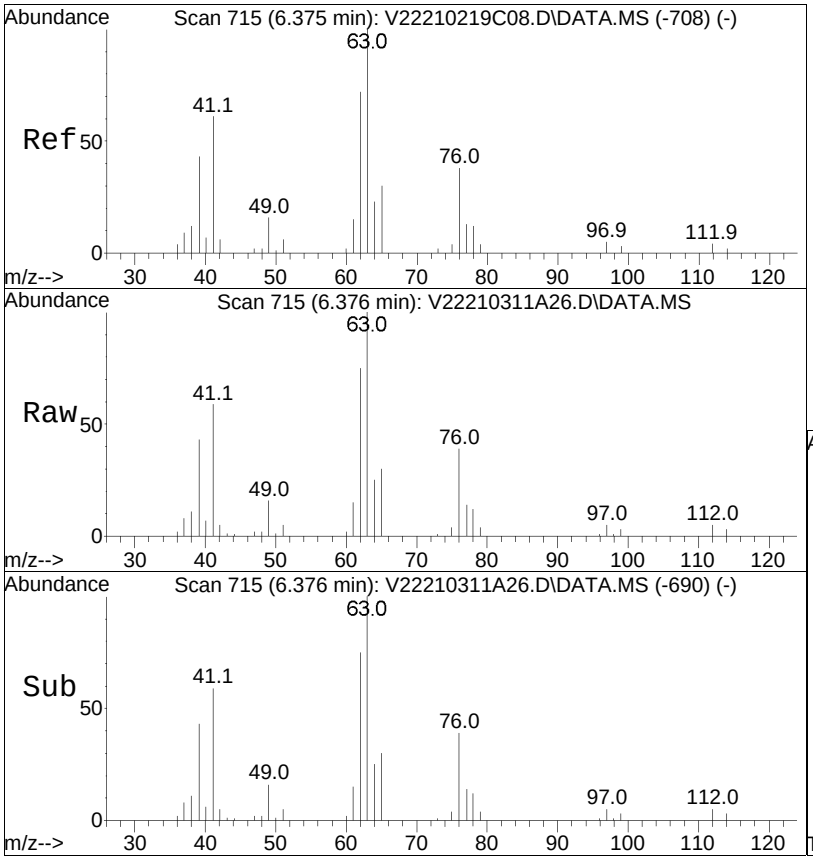


#53
Dibromomethane
Concen: 10.25 ug/L
RT: 6.273 min Scan# 701
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 93 Resp: 30689

Ion	Ratio	Lower	Upper
93	100		
95	83.8	68.0	102.0
174	105.0	106.1	159.1#

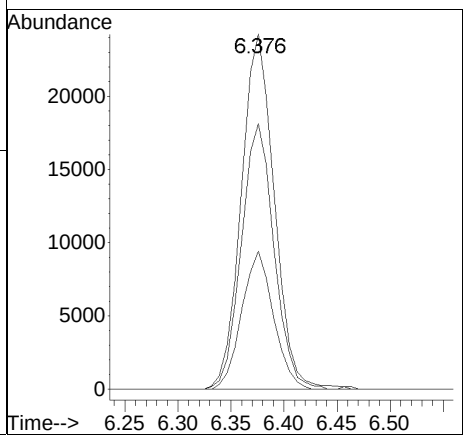


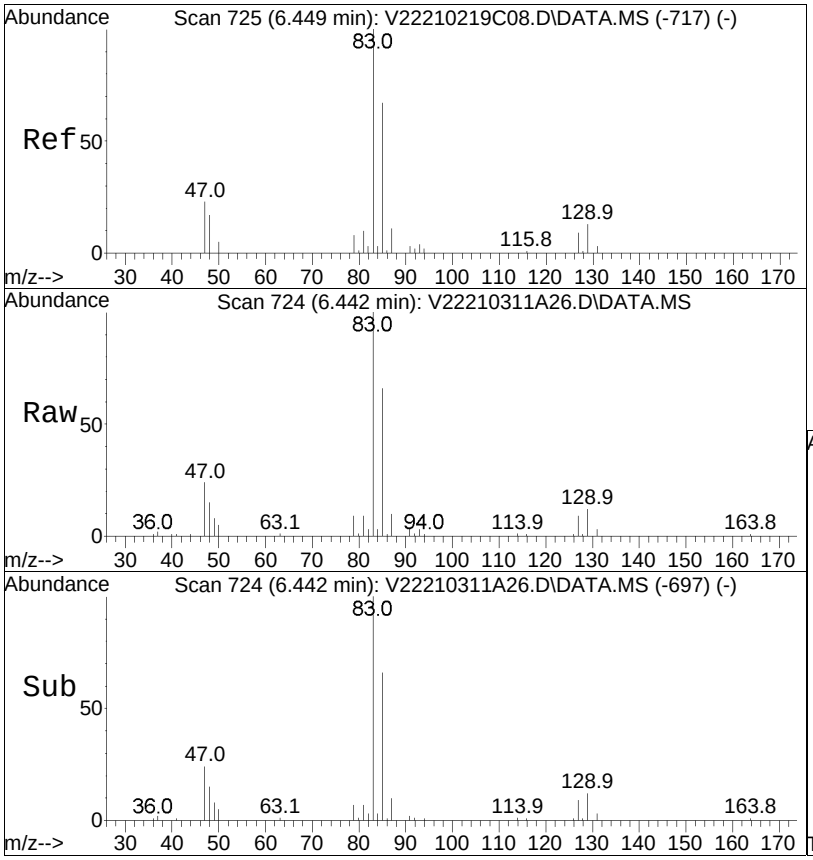


#54
1,2-Dichloropropane
Concen: 9.67 ug/L
RT: 6.376 min Scan# 715
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 63 Resp: 52647

Ion	Ratio	Lower	Upper
63	100		
62	73.9	56.9	85.3
76	37.4	35.8	53.8

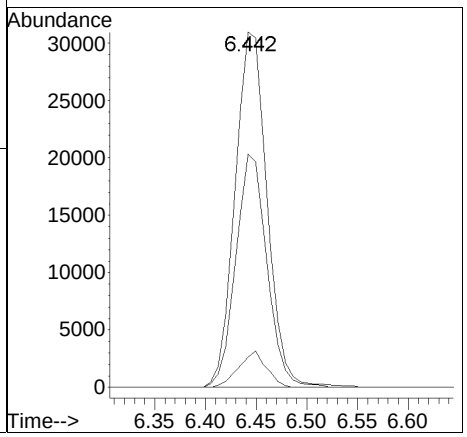


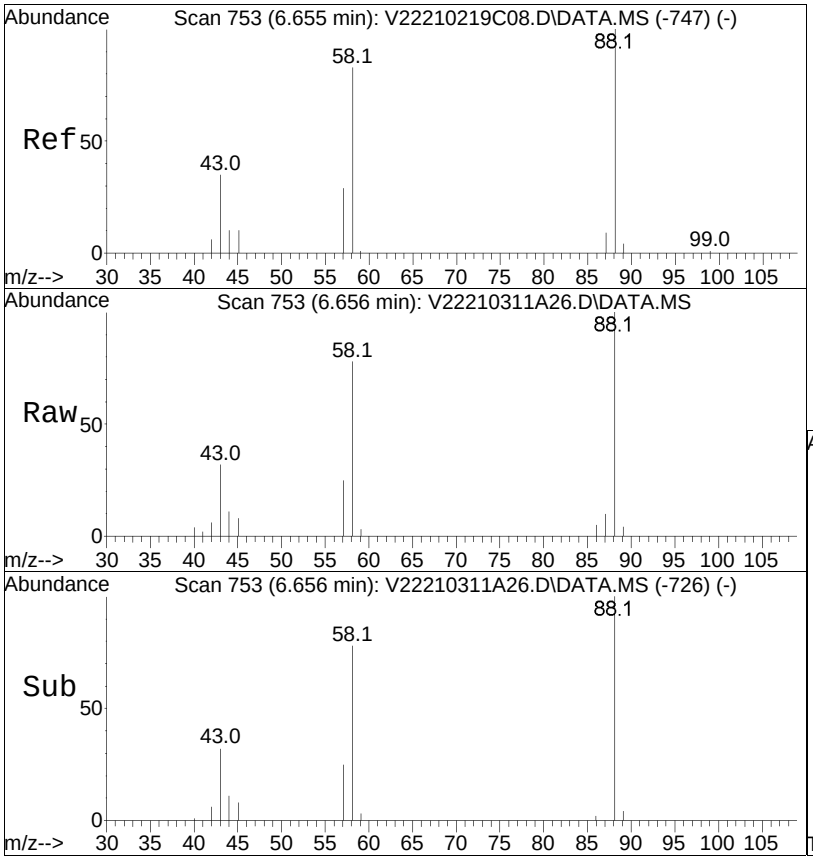


#57
Bromodichloromethane
Concen: 10.13 ug/L
RT: 6.442 min Scan# 724
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 83 Resp: 68169

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.6	77.4
127	8.9	7.4	11.0

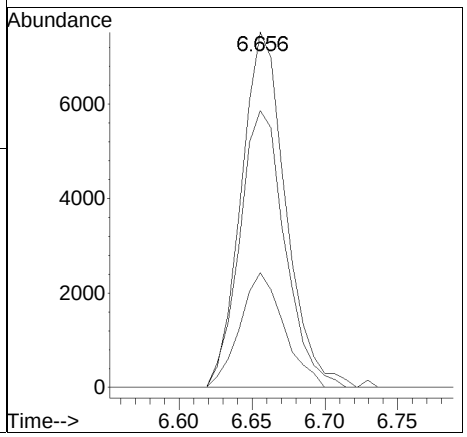


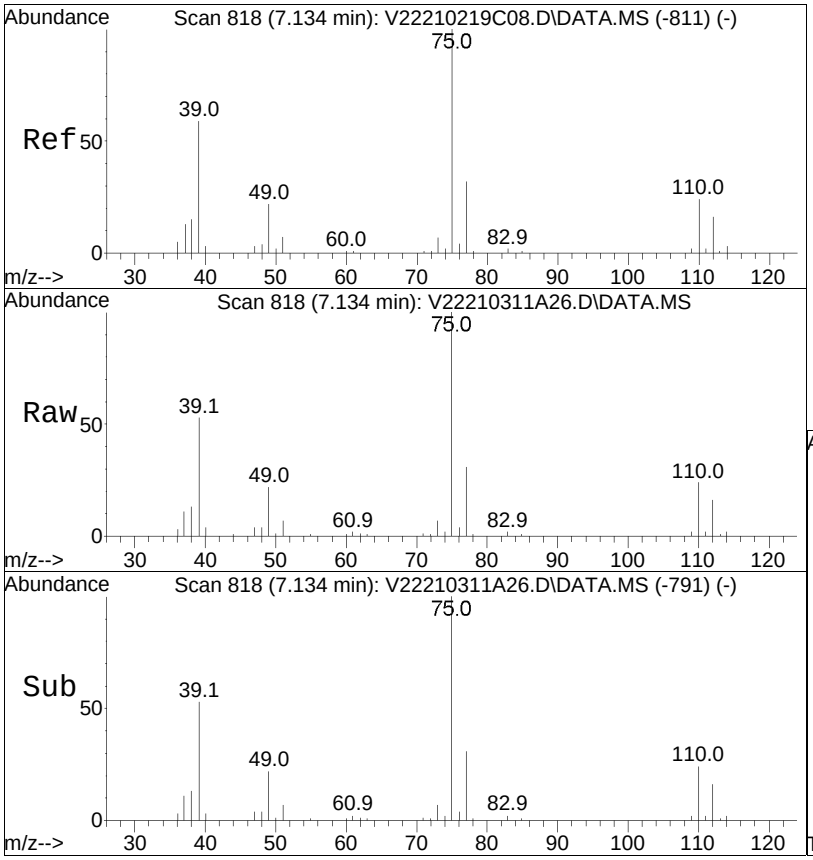


#60
1,4-Dioxane
Concen: 475.04 ug/L
RT: 6.656 min Scan# 753
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 88 Resp: 16000

Ion	Ratio	Lower	Upper
88	100		
58	79.3	43.3	64.9#
43	31.9	15.1	22.7#

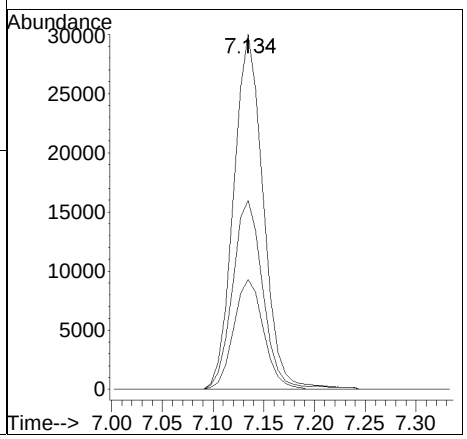


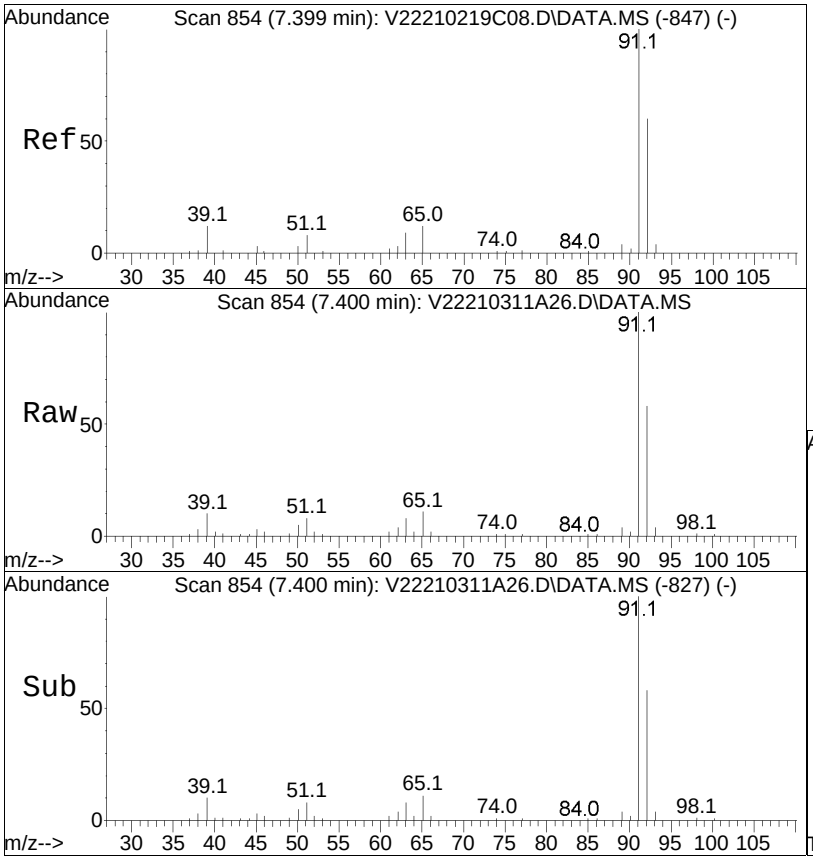


#61
cis-1,3-Dichloropropene
Concen: 7.68 ug/L
RT: 7.134 min Scan# 818
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 75 Resp: 61230

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.6	38.4
39	54.7	35.4	53.0#

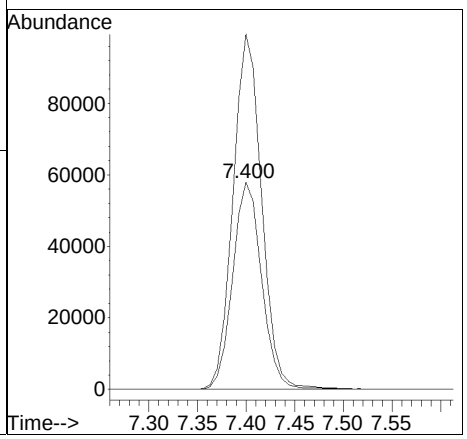


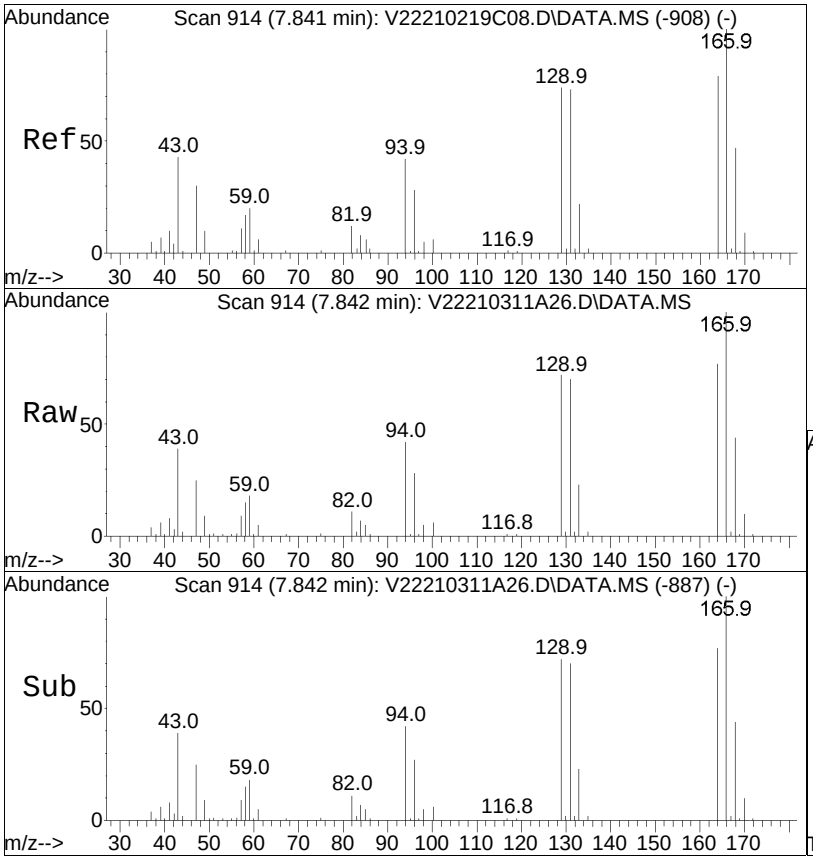


#64
Toluene
Concen: 9.50 ug/L
RT: 7.400 min Scan# 854
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 92 Resp: 120155

Ion	Ratio	Lower	Upper
92	100		
91	169.2	137.0	205.6

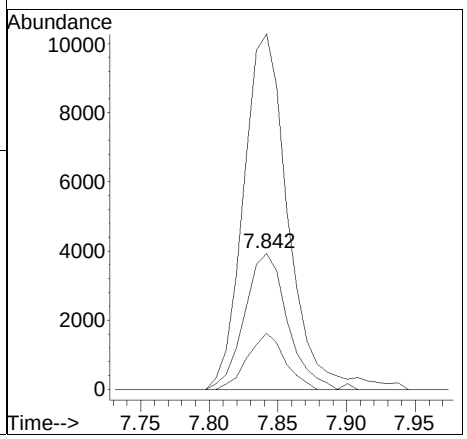


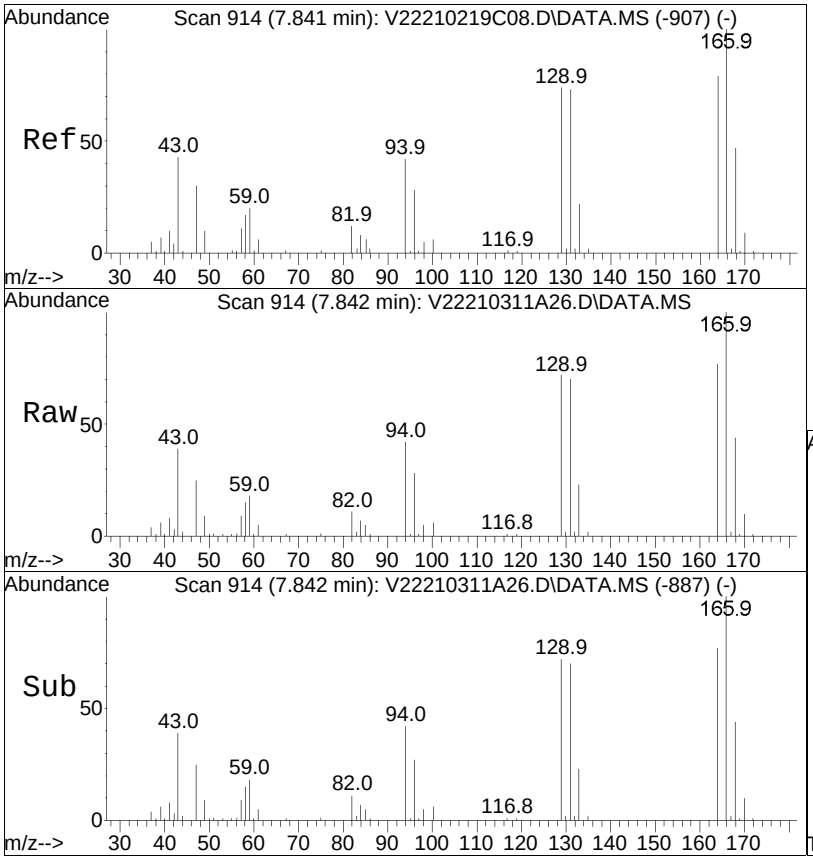


#65
4-Methyl-2-pentanone
Concen: 6.70 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 58 Resp: 8598

Ion	Ratio	Lower	Upper
58	100		
100	35.9	36.2	54.4#
43	271.7	181.8	272.8

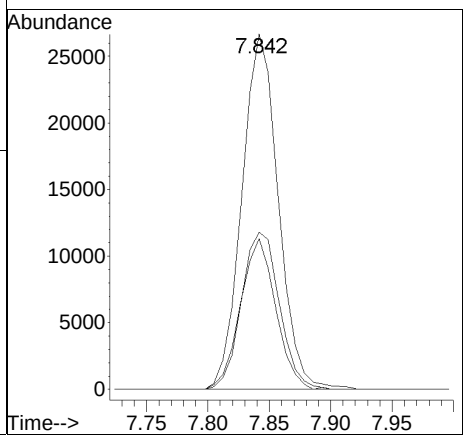


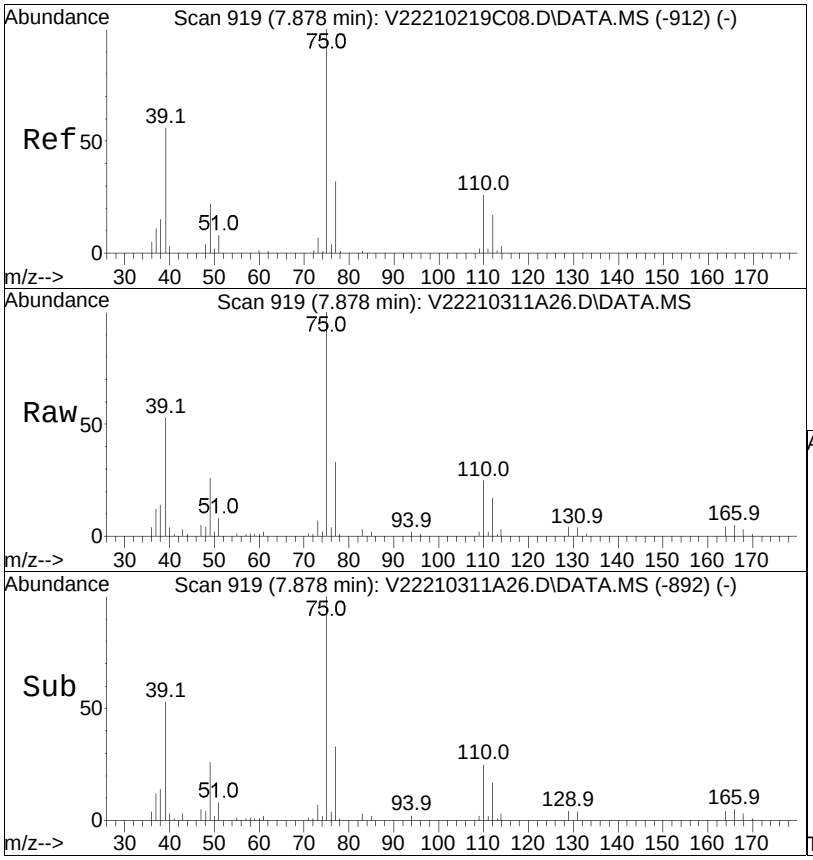


#66
Tetrachloroethene
Concen: 8.94 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:166 Resp: 55061

Ion	Ratio	Lower	Upper
166	100		
168	46.0	27.8	67.8
94	41.1	16.7	56.7

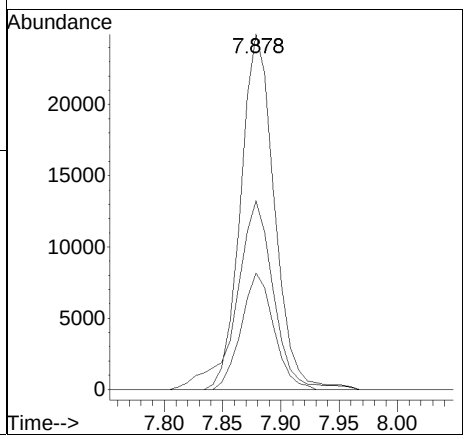


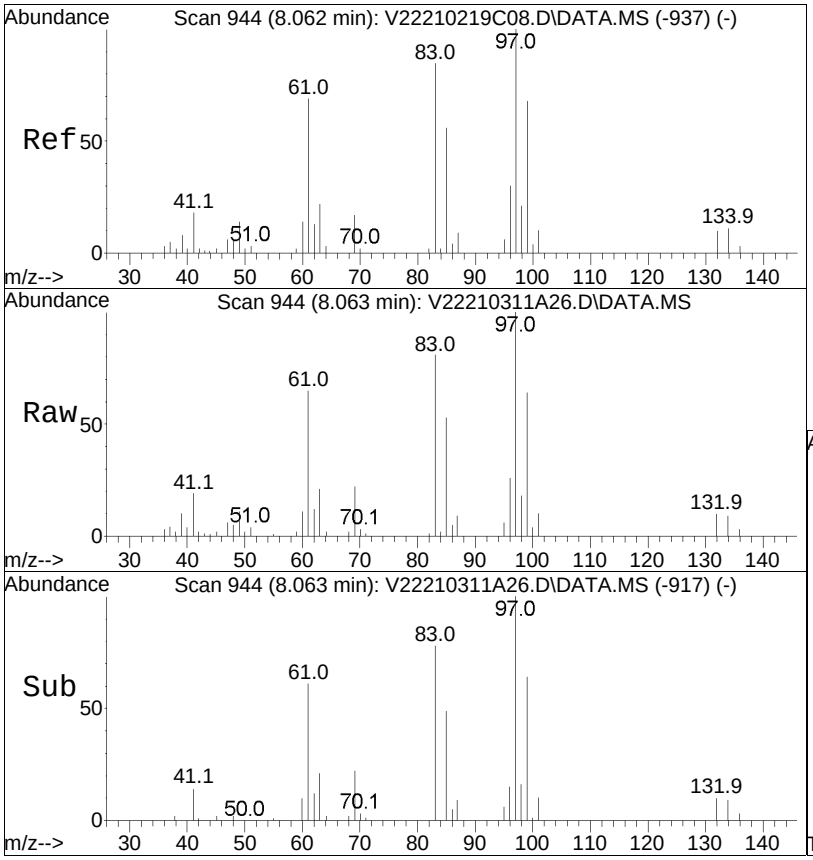


#68
trans-1,3-Dichloropropene
Concen: 7.93 ug/L
RT: 7.878 min Scan# 919
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 75 Resp: 50144

Ion	Ratio	Lower	Upper
75	100		
77	31.6	11.9	51.9
39	58.6	27.4	67.4

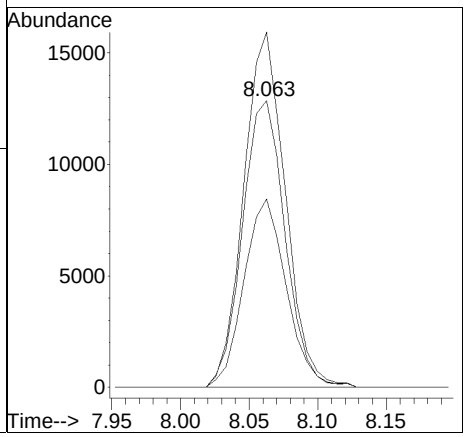


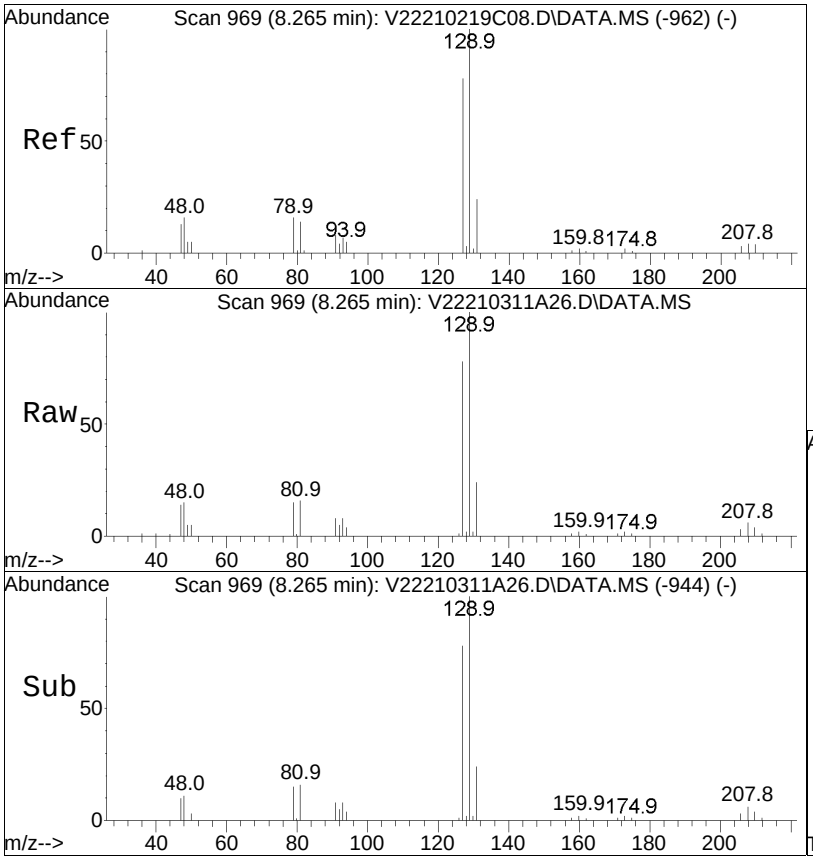


#71
1,1,2-Trichloroethane
Concen: 8.38 ug/L
RT: 8.063 min Scan# 944
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 83 Resp: 27812

Ion	Ratio	Lower	Upper
83	100		
97	120.7	103.4	143.4
85	65.6	47.9	87.9

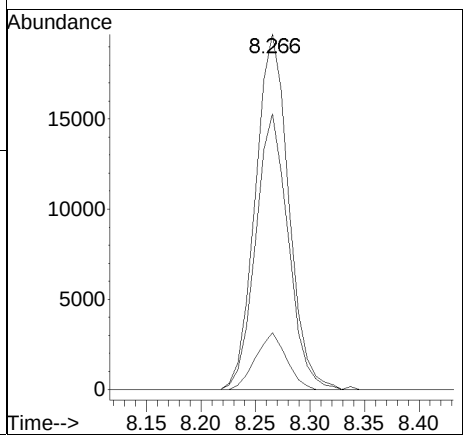


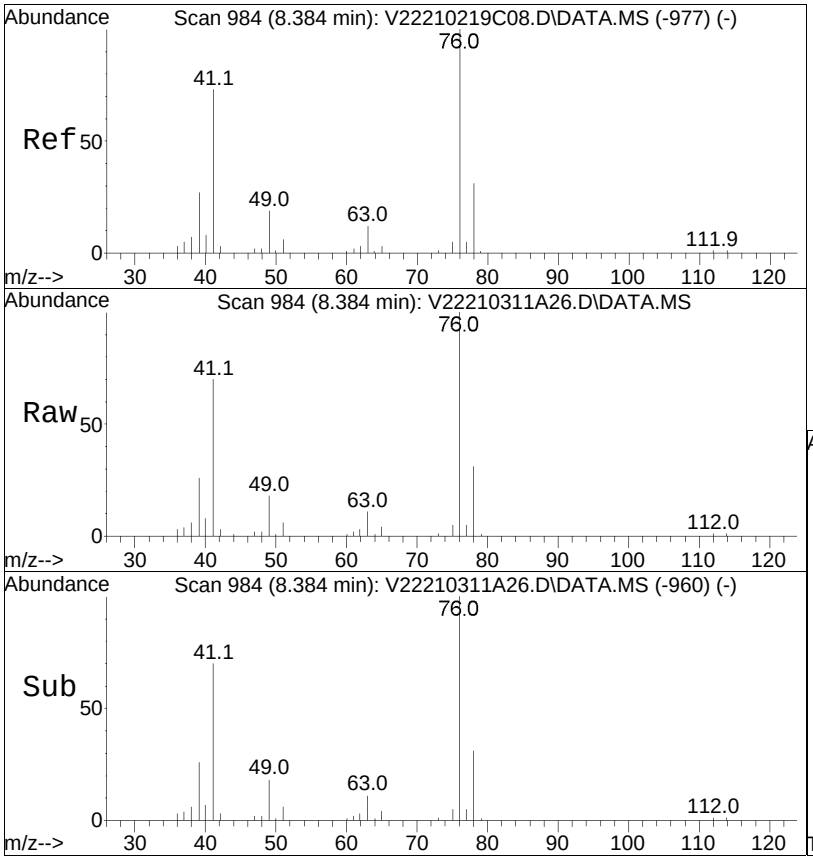


#72
Chlorodibromomethane
Concen: 8.23 ug/L
RT: 8.265 min Scan# 969
Delta R.T. 0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:129 Resp: 46255

Ion	Ratio	Lower	Upper
129	100		
81	13.3	0.0	33.8
127	76.7	57.1	97.1

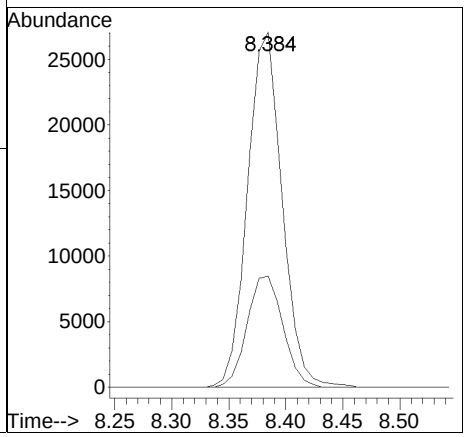


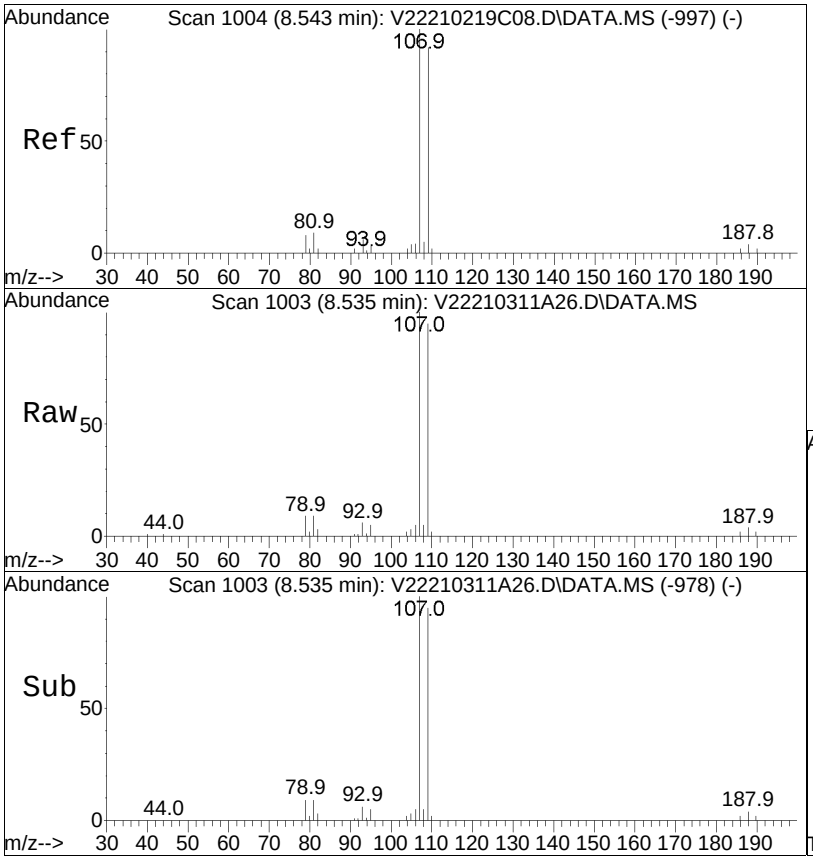


#73
1,3-Dichloropropane
Concen: 9.33 ug/L
RT: 8.384 min Scan# 984
Delta R.T. 0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 76 Resp: 57103

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

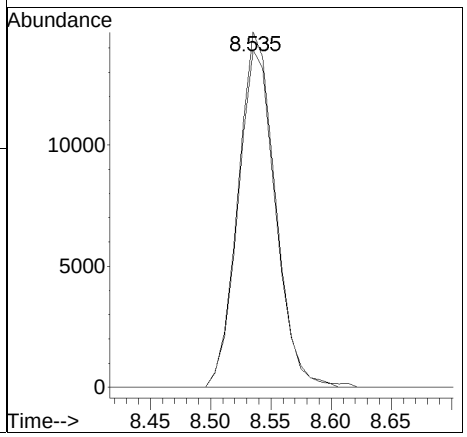


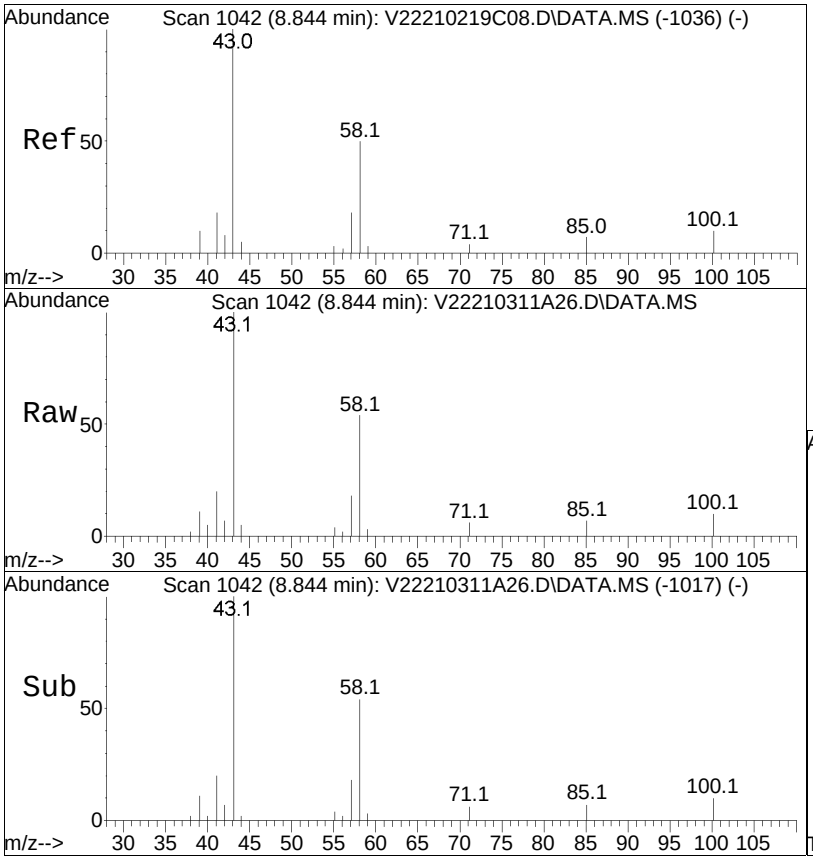


#74
1,2-Dibromoethane
Concen: 8.04 ug/L
RT: 8.535 min Scan# 1003
Delta R.T. -0.004 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:107 Resp: 31561

Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.1	112.7

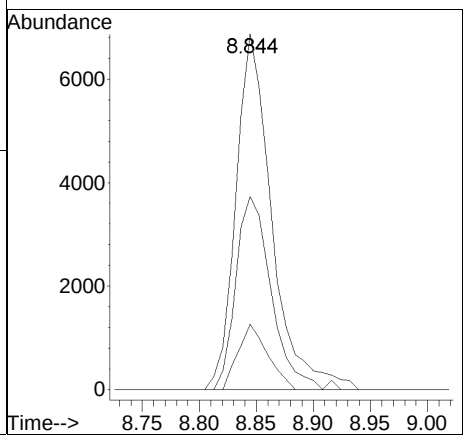


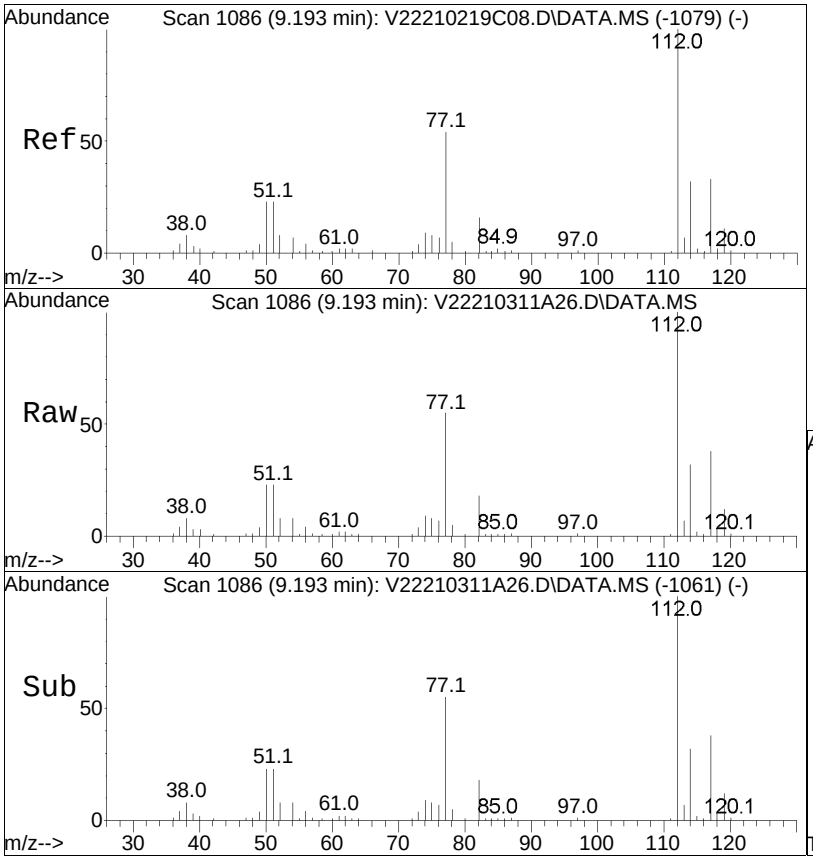


#76
2-Hexanone
Concen: 6.79 ug/L
RT: 8.844 min Scan# 1042
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 43 Resp: 15053

Ion	Ratio	Lower	Upper
43	100		
58	53.7	47.6	71.4
57	15.2	16.6	24.8#

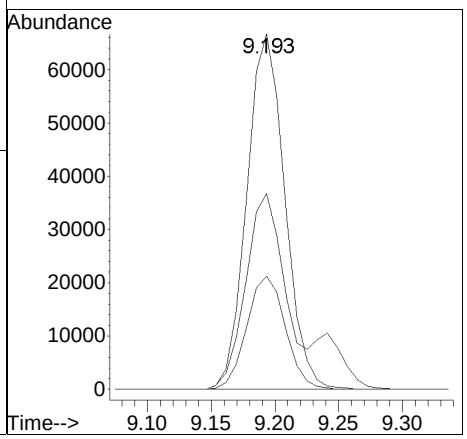


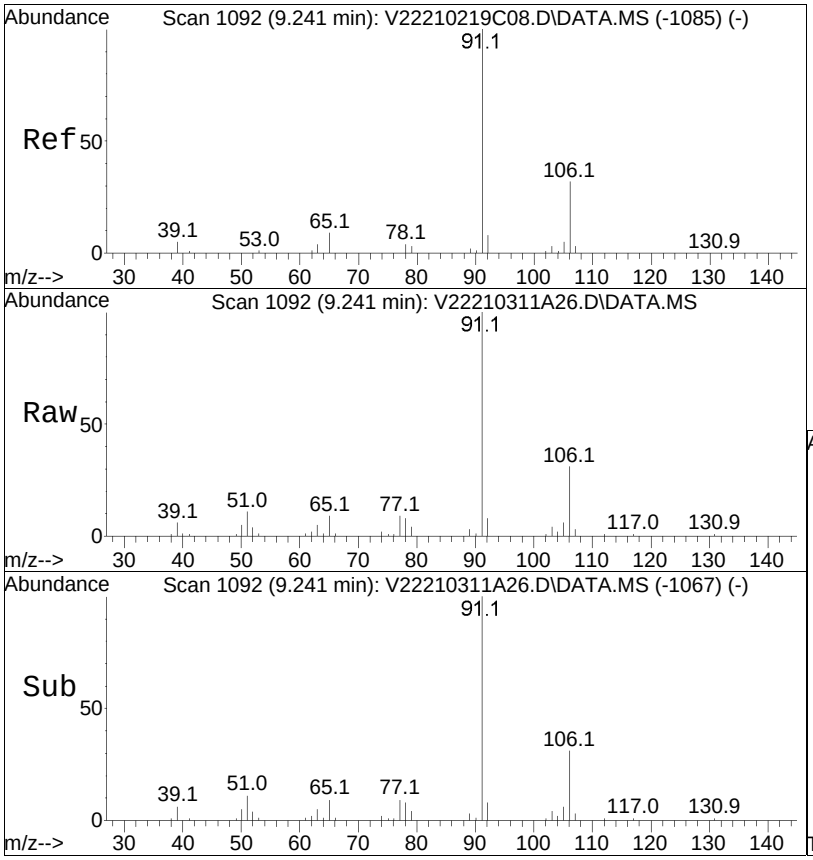


#77
Chlorobenzene
Concen: 9.36 ug/L
RT: 9.193 min Scan# 1086
Delta R.T. -0.004 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:112 Resp: 138212

Ion	Ratio	Lower	Upper
112	100		
77	57.3	55.4	83.0
114	32.4	26.2	39.4

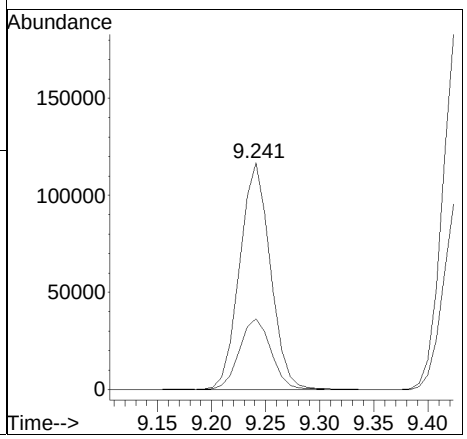


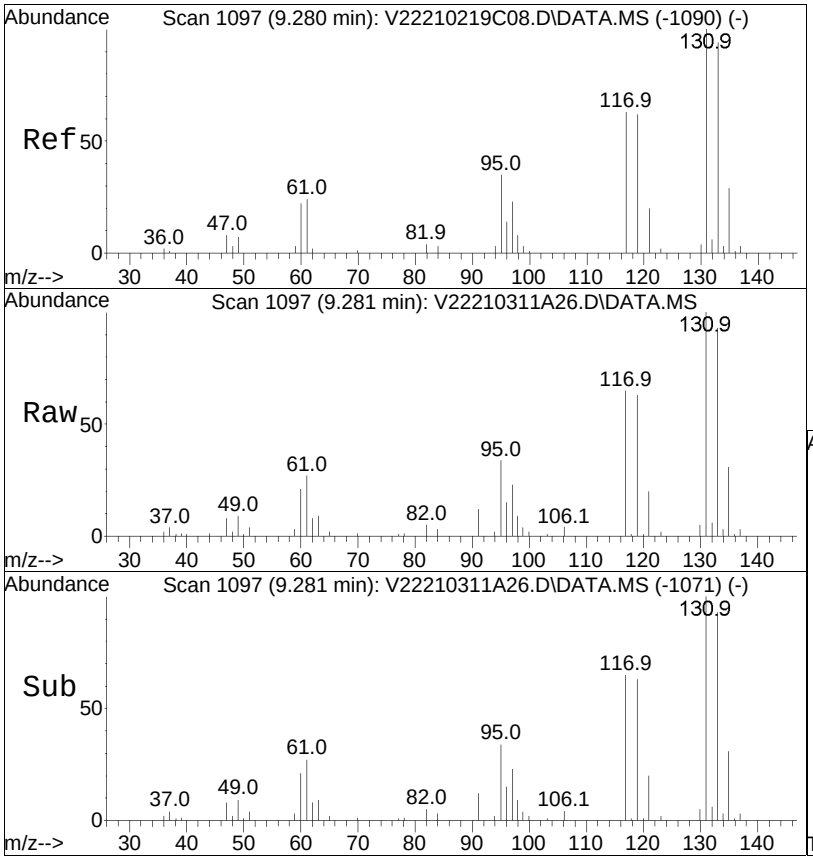


#78
Ethylbenzene
Concen: 9.51 ug/L
RT: 9.241 min Scan# 1092
Delta R.T. -0.003 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 91 Resp: 229404

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.8	38.6

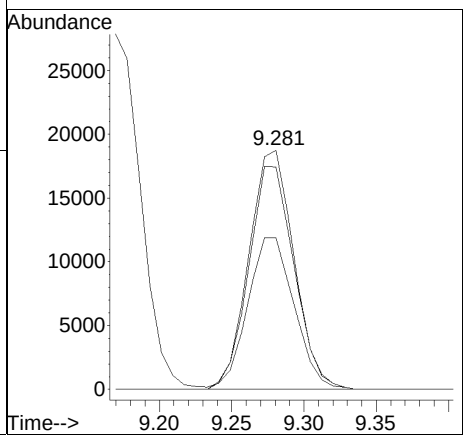


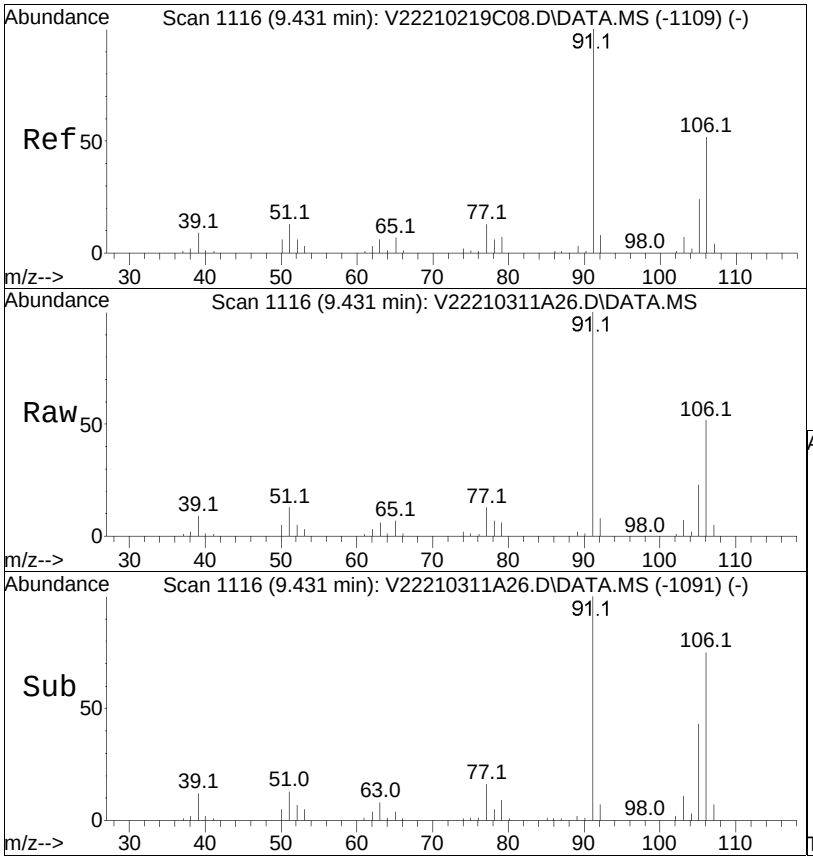


#79
1,1,1,2-Tetrachloroethane
Concen: 8.34 ug/L
RT: 9.281 min Scan# 1097
Delta R.T. 0.005 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:131 Resp: 40911

Ion	Ratio	Lower	Upper
131	100		
133	93.6	75.3	115.3
119	65.2	49.3	89.3

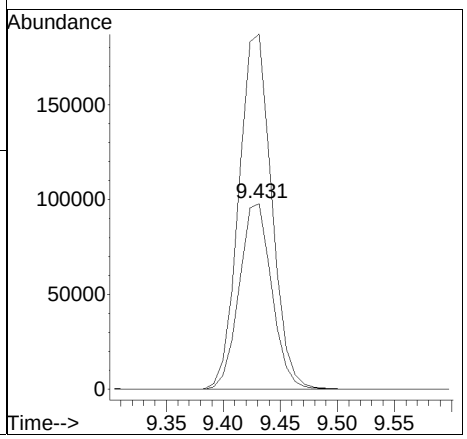


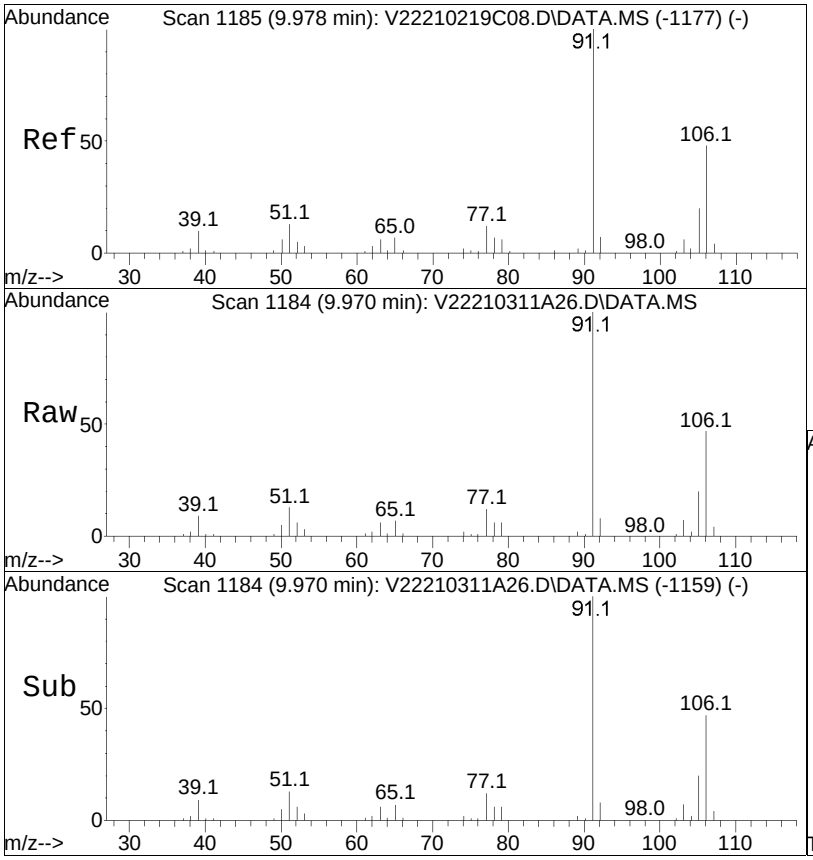


#80
p/m Xylene
Concen: 20.12 ug/L
RT: 9.431 min Scan# 1116
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:106 Resp: 194786

Ion	Ratio	Lower	Upper
106	100		
91	192.9	156.0	234.0

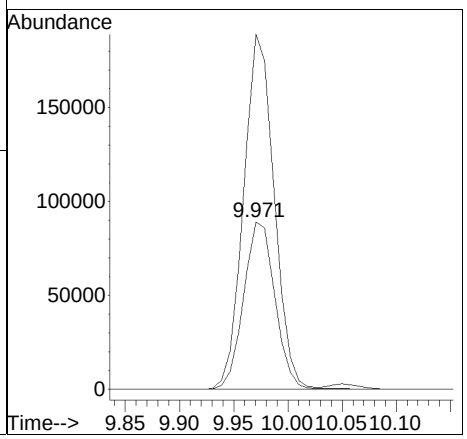


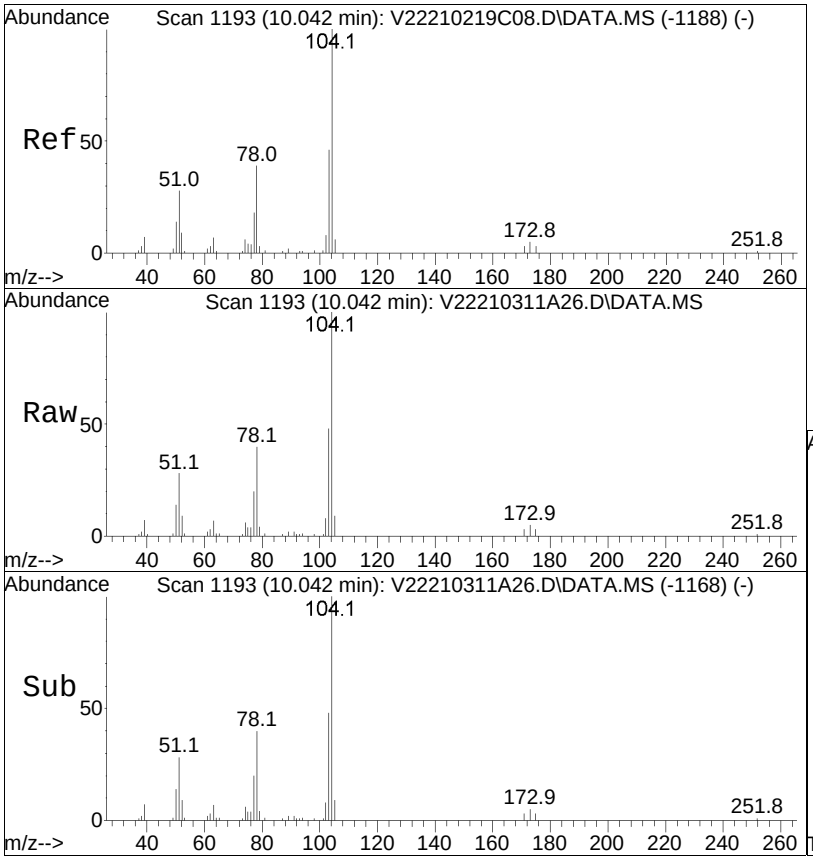


#81
o Xylene
Concen: 20.46 ug/L
RT: 9.970 min Scan# 1184
Delta R.T. -0.003 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:106 Resp: 179930

Ion	Ratio	Lower	Upper
106	100		
91	205.8	164.0	246.0

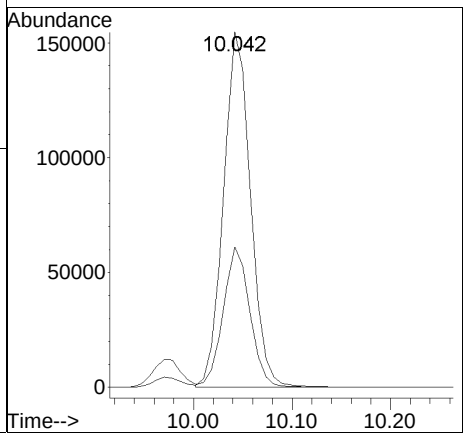


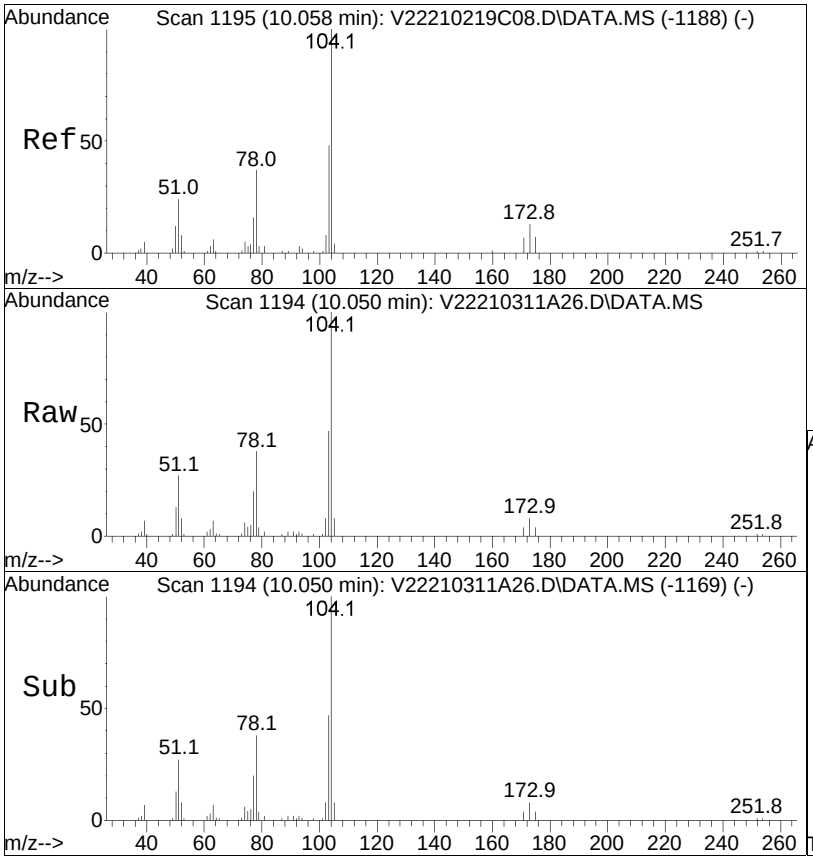


#82
Styrene
Concen: 20.93 ug/L
RT: 10.042 min Scan# 1193
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:104 Resp: 294450

Ion	Ratio	Lower	Upper
104	100		
78	39.3	32.1	48.1

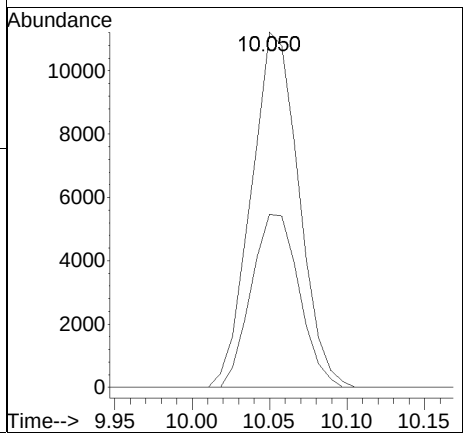


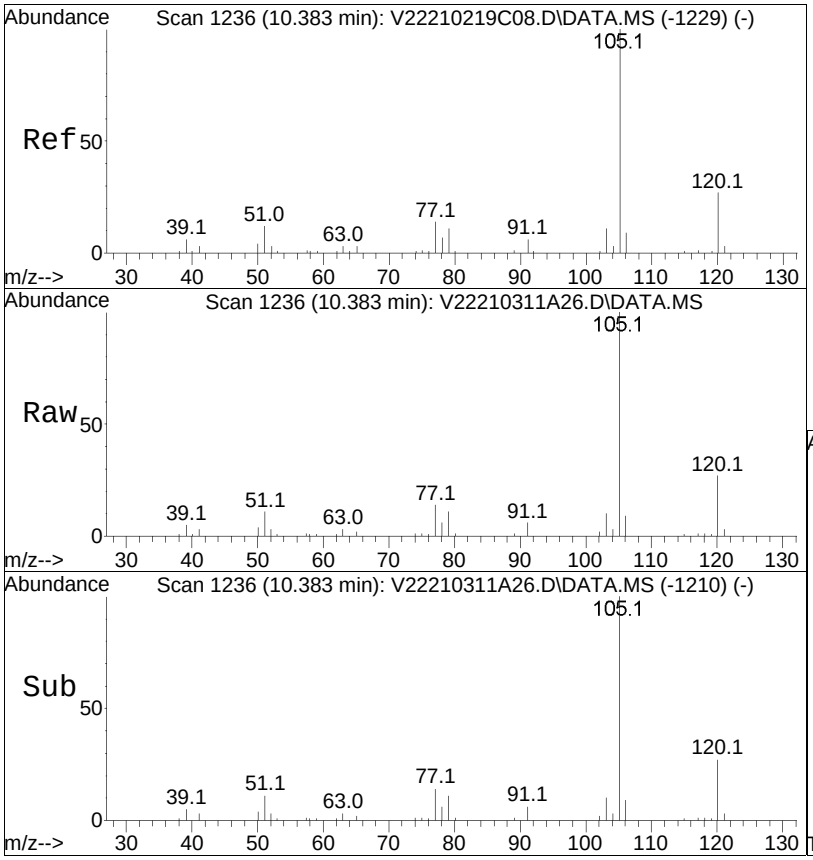


#84
Bromoform
Concen: 7.59 ug/L
RT: 10.050 min Scan# 1194
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:173 Resp: 24060

Ion	Ratio	Lower	Upper
173	100		
175	48.9	29.3	69.3

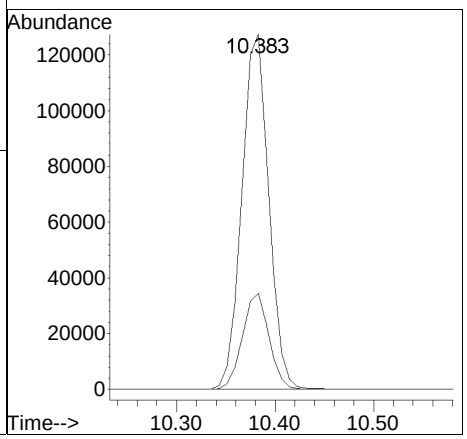


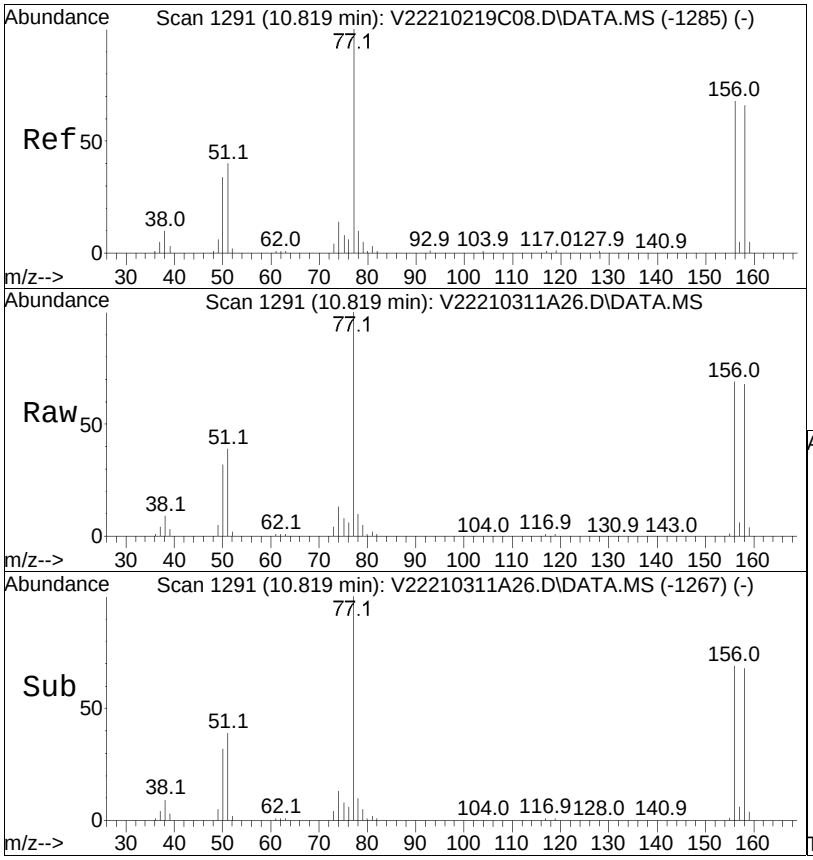


#86
Isopropylbenzene
Concen: 8.68 ug/L
RT: 10.383 min Scan# 1236
Delta R.T. 0.003 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:105 Resp: 242088

Ion	Ratio	Lower	Upper
105	100		
120	26.6	7.7	47.7

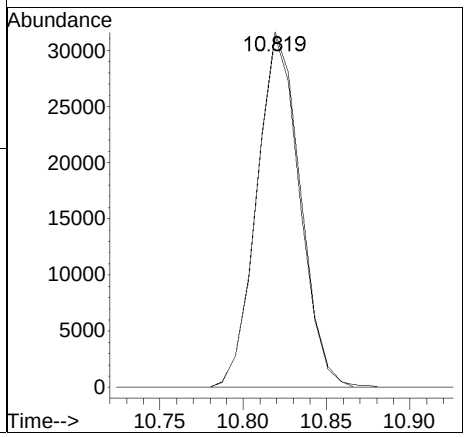


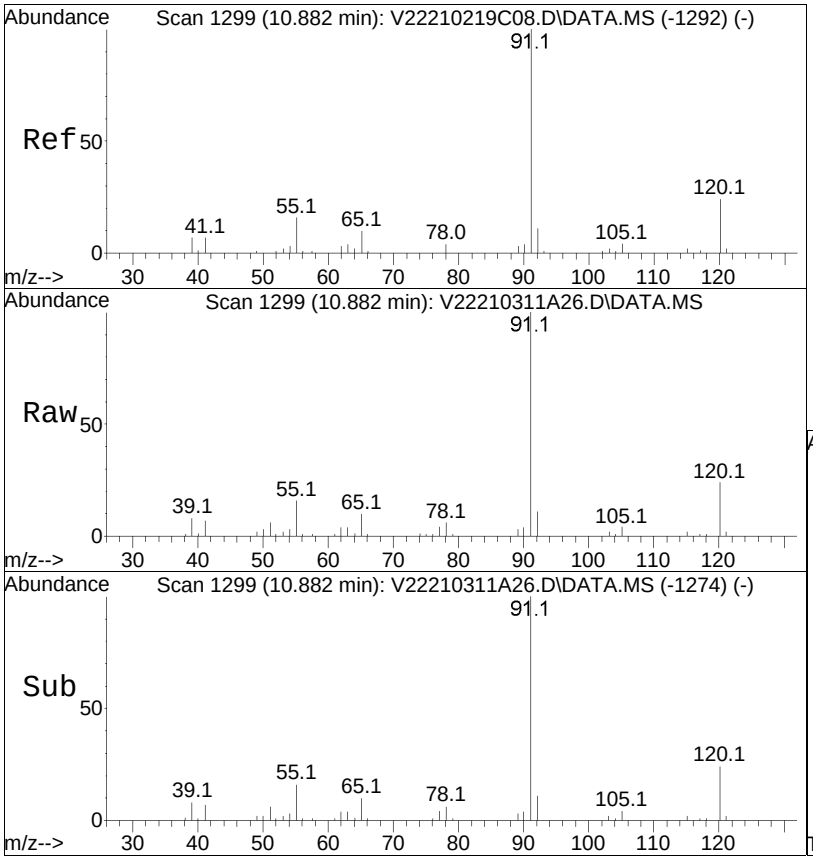


#88
Bromobenzene
Concen: 8.64 ug/L
RT: 10.819 min Scan# 1291
Delta R.T. -0.007 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:156 Resp: 57324

Ion	Ratio	Lower	Upper
156	100		
158	97.7	77.9	116.9

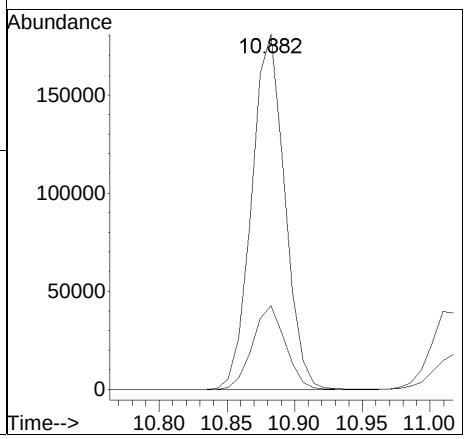


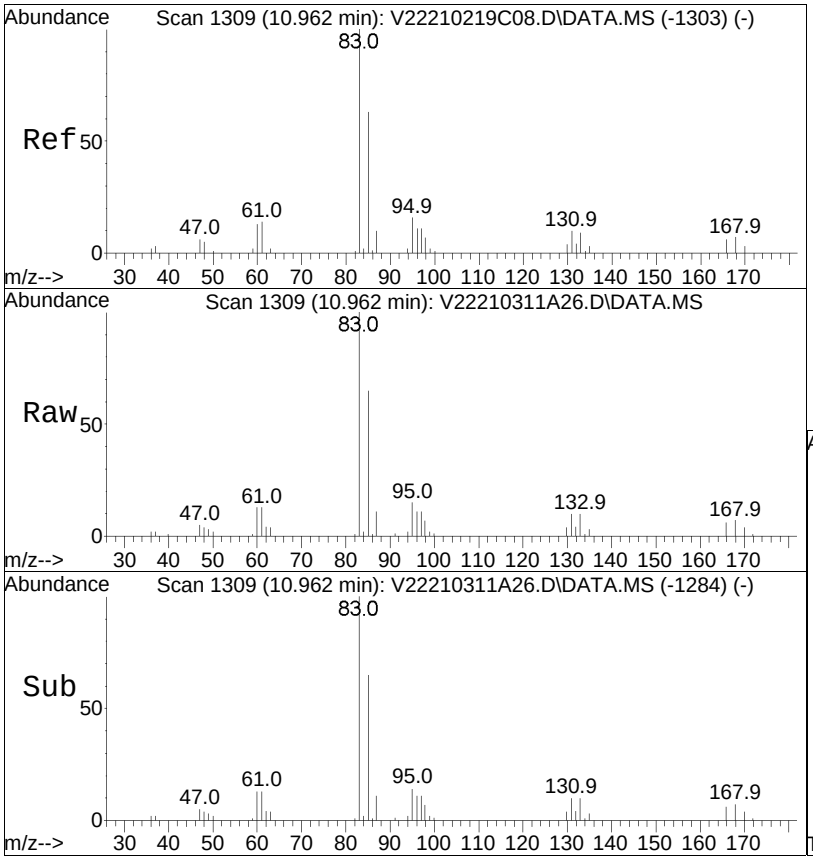


#89
n-Propylbenzene
Concen: 9.15 ug/L
RT: 10.882 min Scan# 1299
Delta R.T. 0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 91 Resp: 307480

Ion	Ratio	Lower	Upper
91	100		
120	23.3	19.5	29.3

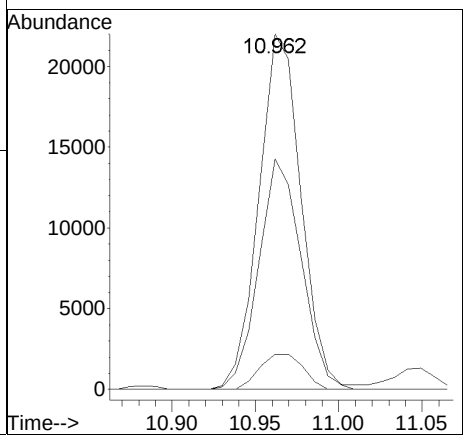


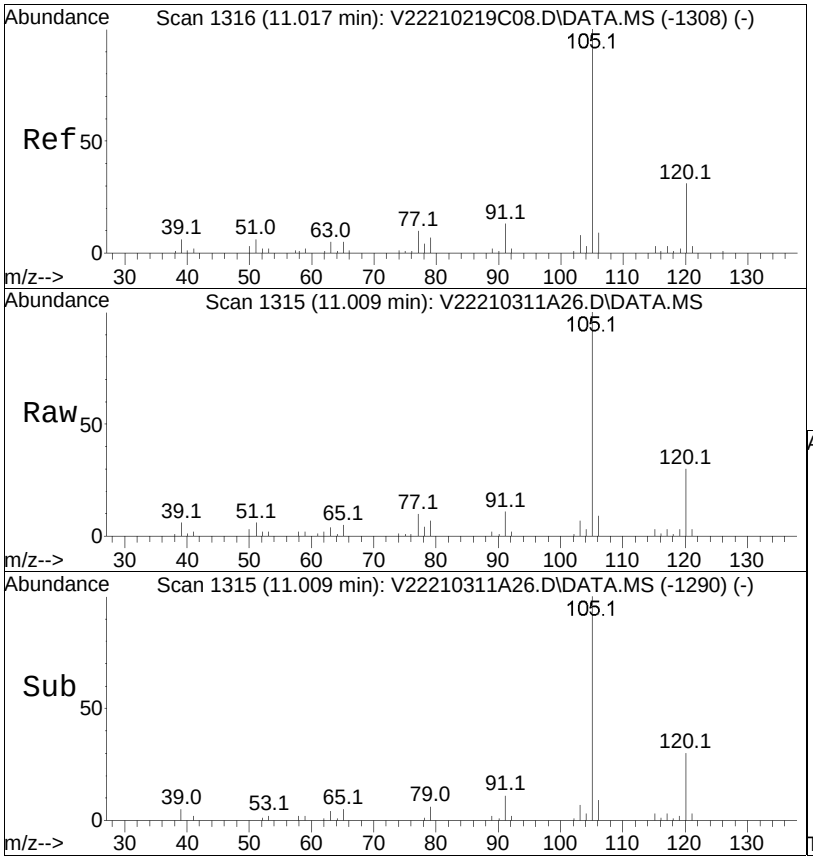


#91
1,1,2,2-Tetrachloroethane
Concen: 8.21 ug/L
RT: 10.962 min Scan# 1309
Delta R.T. -0.005 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 83 Resp: 38645

Ion	Ratio	Lower	Upper
83	100		
131	10.3	0.0	30.8
85	66.3	45.4	85.4

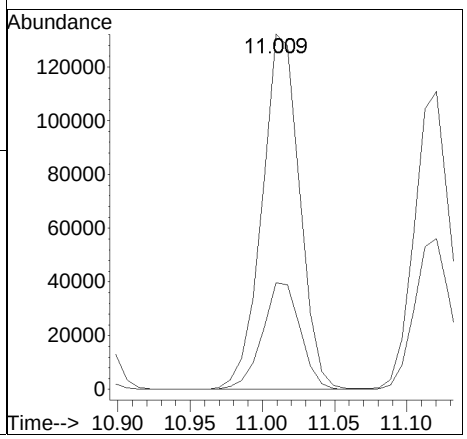


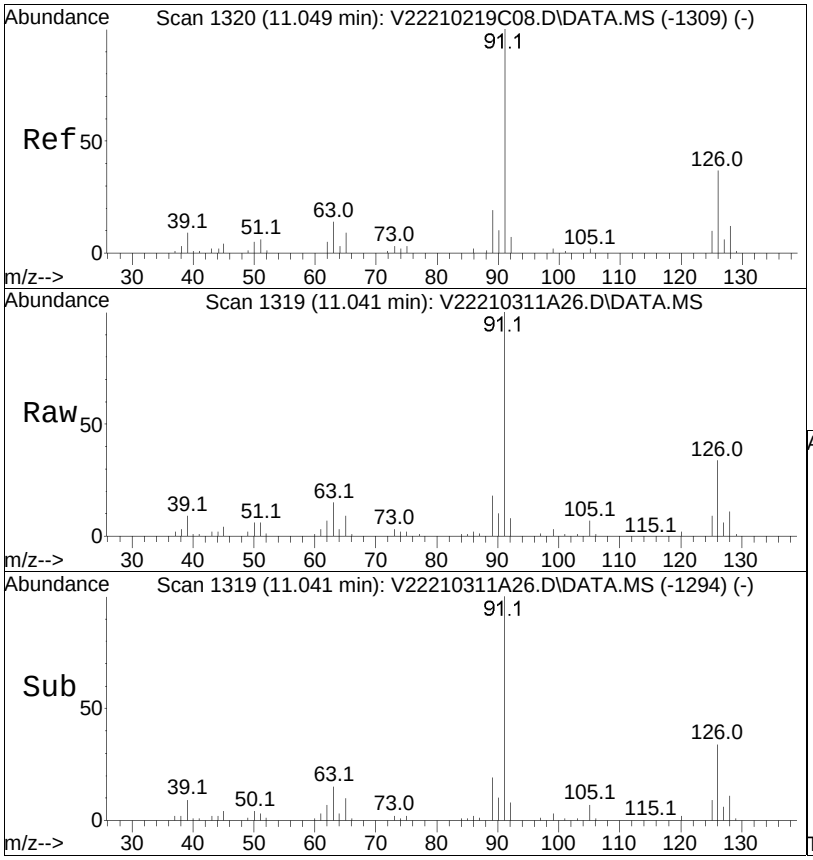


#92
4-Ethyltoluene
Concen: 9.06 ug/L
RT: 11.009 min Scan# 1315
Delta R.T. -0.005 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:105 Resp: 239817

Ion	Ratio	Lower	Upper
105	100		
120	30.2	19.8	41.0

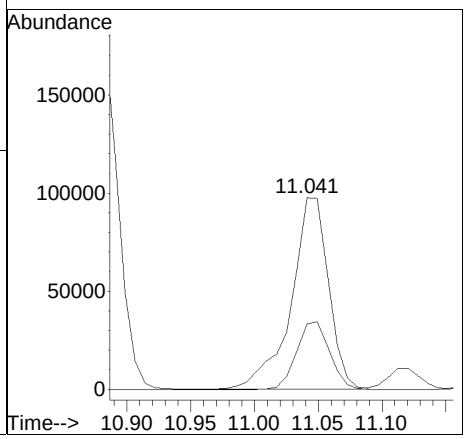


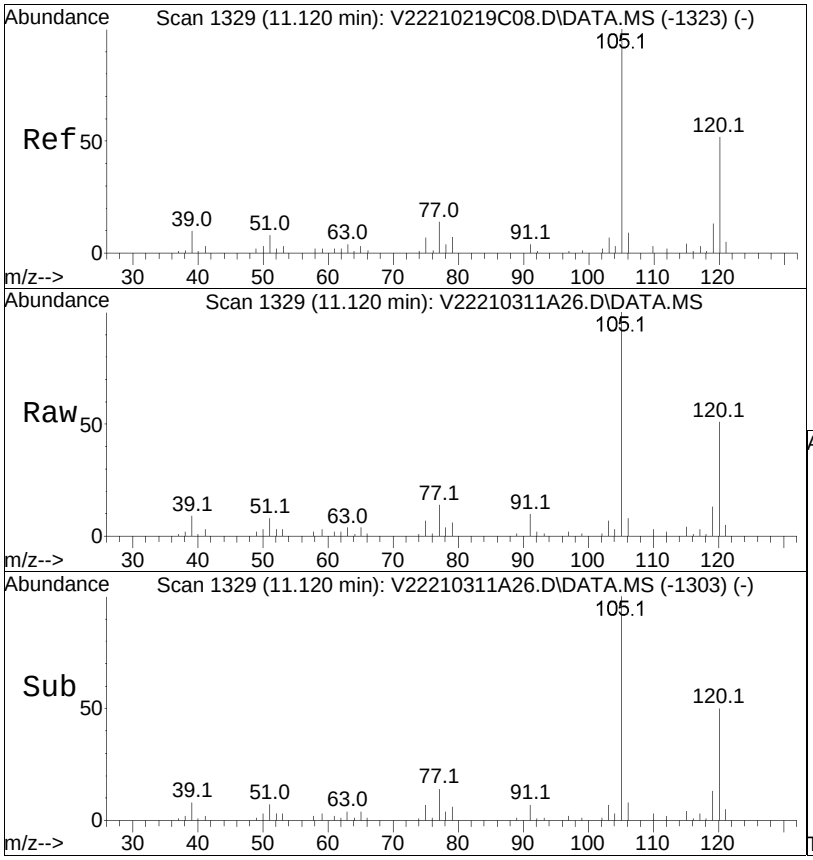


#93
2-Chlorotoluene
Concen: 9.05 ug/L
RT: 11.041 min Scan# 1319
Delta R.T. -0.005 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 91 Resp: 199591

Ion	Ratio	Lower	Upper
91	100		
126	31.1	24.6	37.0

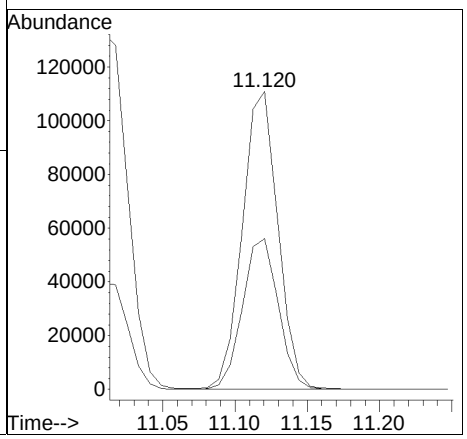


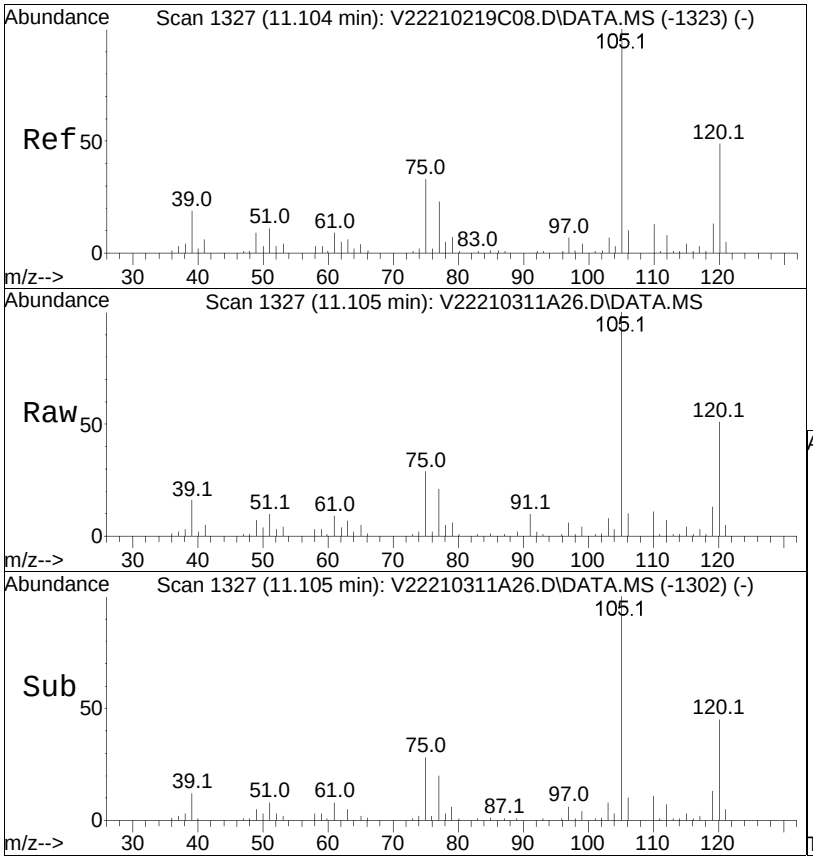


#94
1,3,5-Trimethylbenzene
Concen: 8.52 ug/L
RT: 11.120 min Scan# 1329
Delta R.T. 0.004 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:105 Resp: 190173

Ion	Ratio	Lower	Upper
105	100		
120	51.0	40.9	61.3

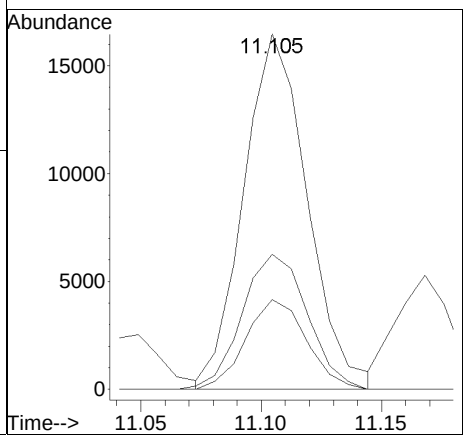


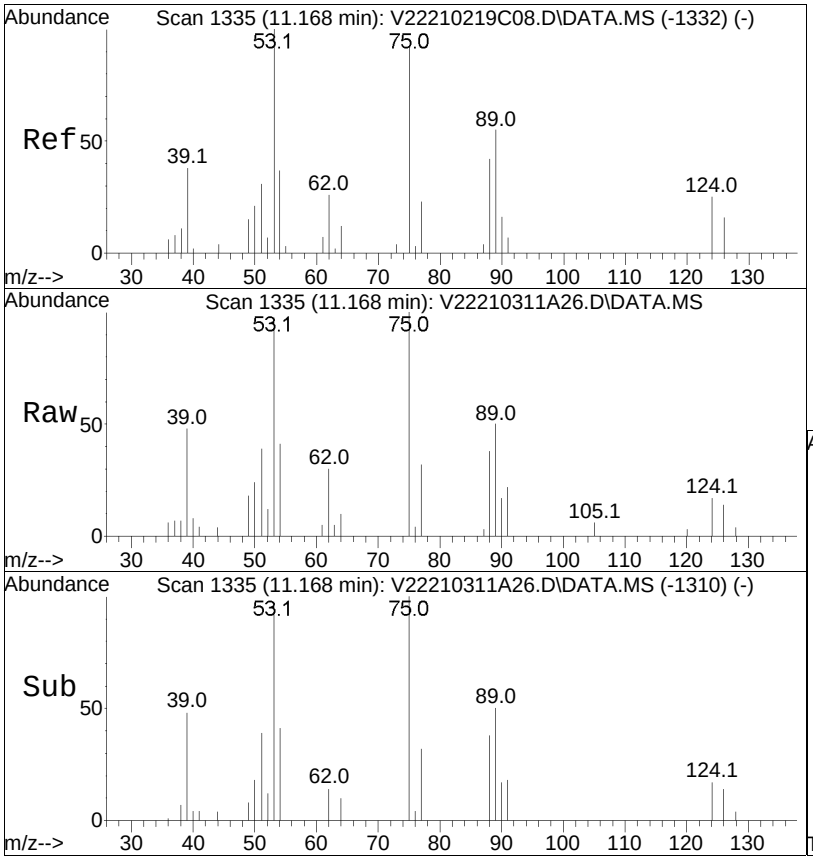


#95
1,2,3-Trichloropropane
Concen: 7.90 ug/L
RT: 11.105 min Scan# 1327
Delta R.T. -0.003 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 75 Resp: 30254

Ion	Ratio	Lower	Upper
75	100		
110	38.9	26.3	54.7
112	24.2	16.8	35.0

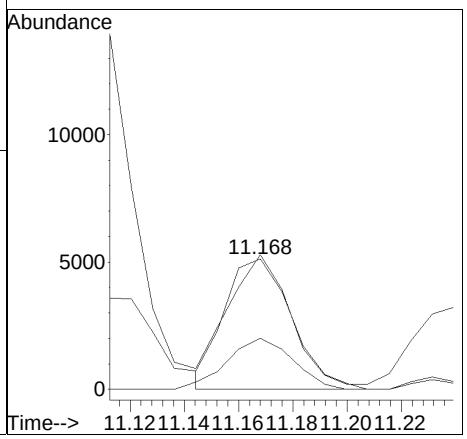


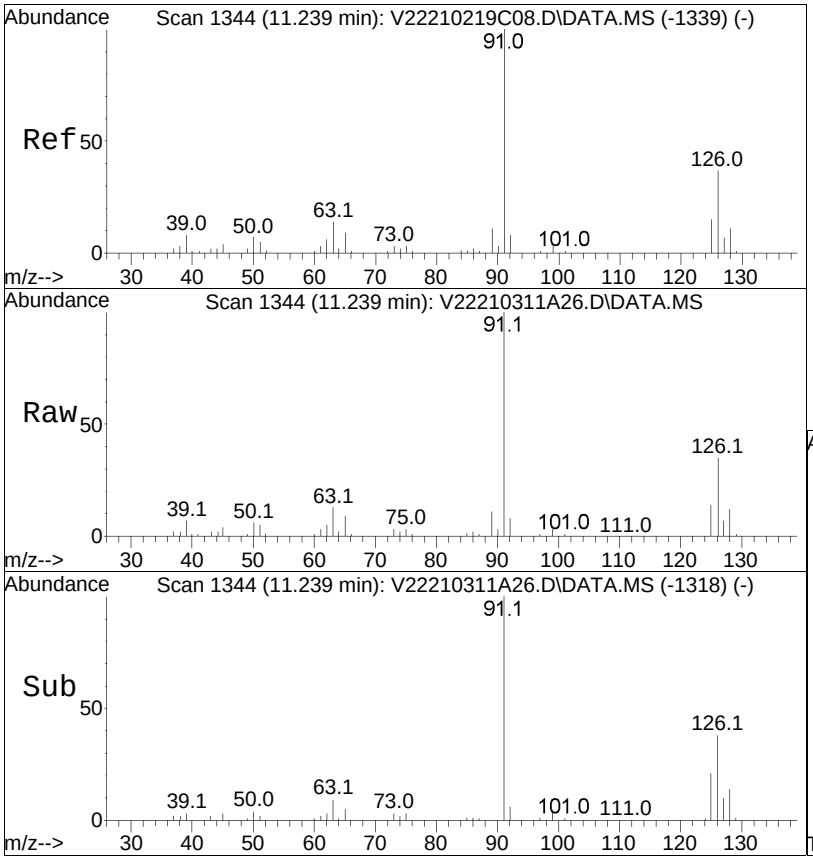


#96
trans-1,4-Dichloro-2-butene
Concen: 5.52 ug/L
RT: 11.168 min Scan# 1335
Delta R.T. -0.003 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 53 Resp: 8839

Ion	Ratio	Lower	Upper
53	100		
88	38.5	46.3	69.5#
75	98.3	109.0	163.4#

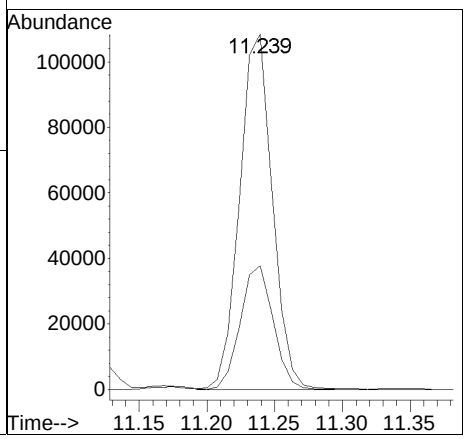


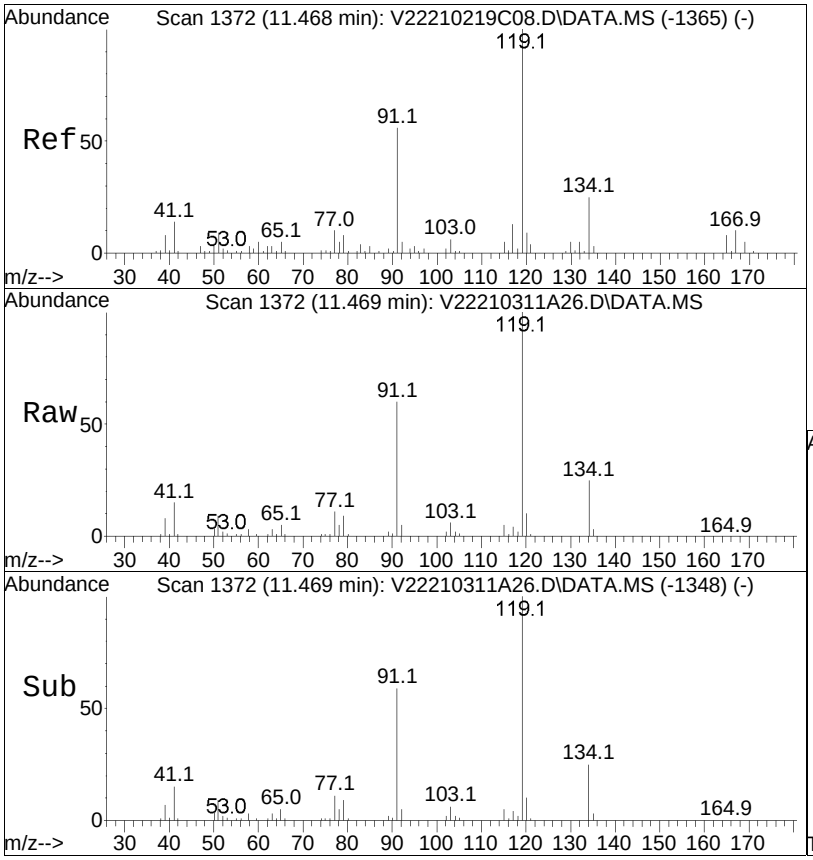


#97
4-Chlorotoluene
Concen: 9.16 ug/L
RT: 11.239 min Scan# 1344
Delta R.T. 0.005 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 91 Resp: 182704

Ion	Ratio	Lower	Upper
91	100		
126	34.9	28.5	42.7

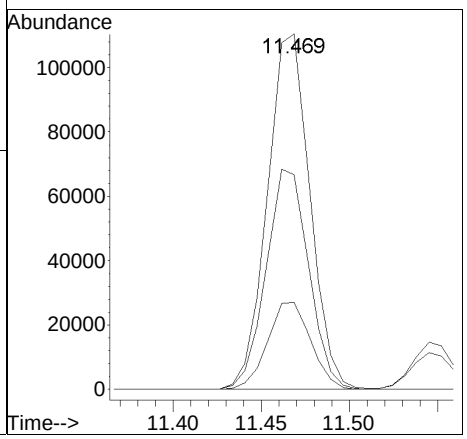


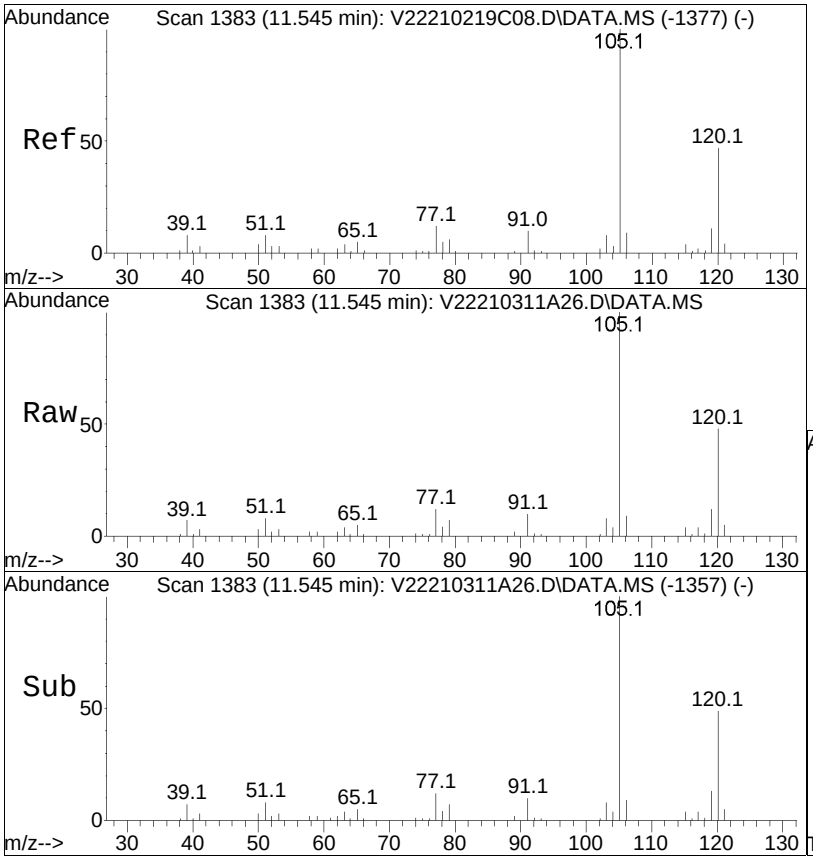


#98
tert-Butylbenzene
Concen: 7.92 ug/L
RT: 11.469 min Scan# 1372
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:119 Resp: 185659

Ion	Ratio	Lower	Upper
119	100		
91	62.1	50.2	75.4
134	24.9	20.8	31.2

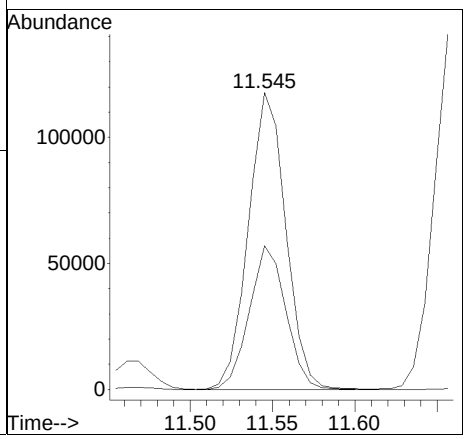


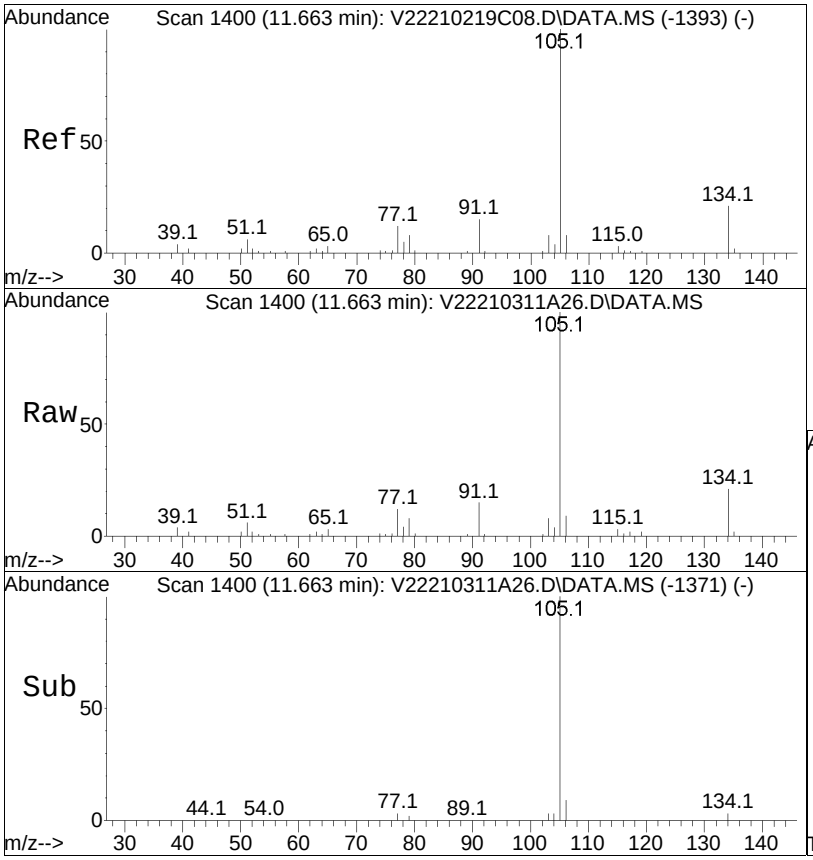


#101
1,2,4-Trimethylbenzene
Concen: 8.60 ug/L
RT: 11.545 min Scan# 1383
Delta R.T. 0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:105 Resp: 186107

Ion	Ratio	Lower	Upper
105	100		
120	47.3	38.5	57.7

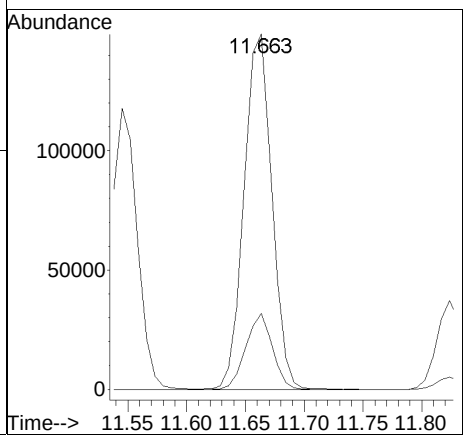


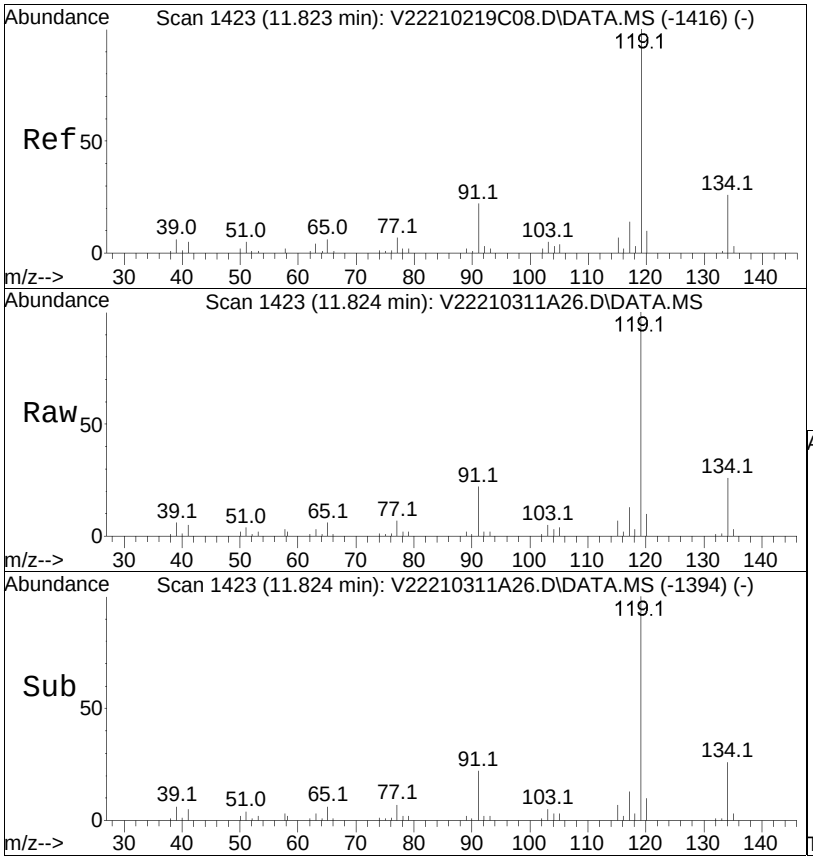


#102
sec-Butylbenzene
Concen: 9.37 ug/L
RT: 11.663 min Scan# 1400
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:105 Resp: 245449

Ion	Ratio	Lower	Upper
105	100		
134	20.3	13.9	28.9

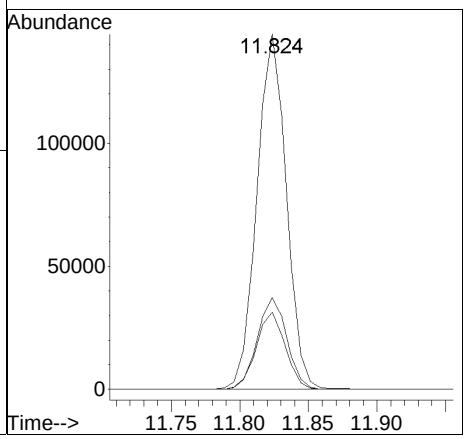


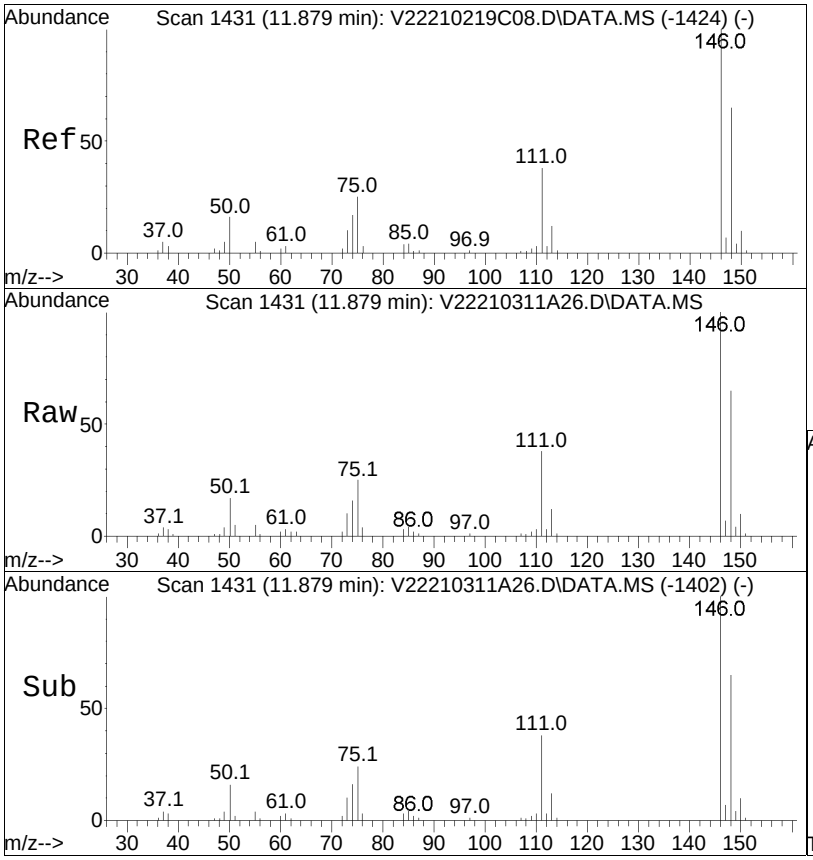


#103
p-Isopropyltoluene
Concen: 8.99 ug/L
RT: 11.824 min Scan# 1423
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:119 Resp: 215513

Ion	Ratio	Lower	Upper
119	100		
134	25.9	17.7	36.7
91	21.5	14.1	29.3

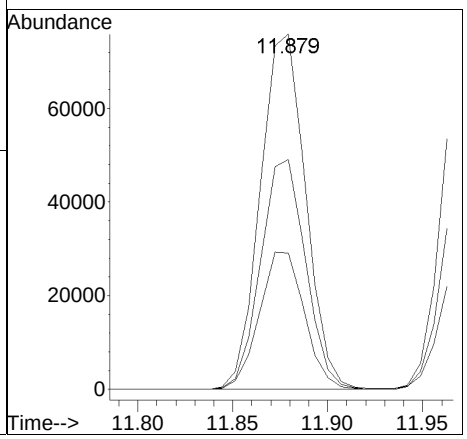


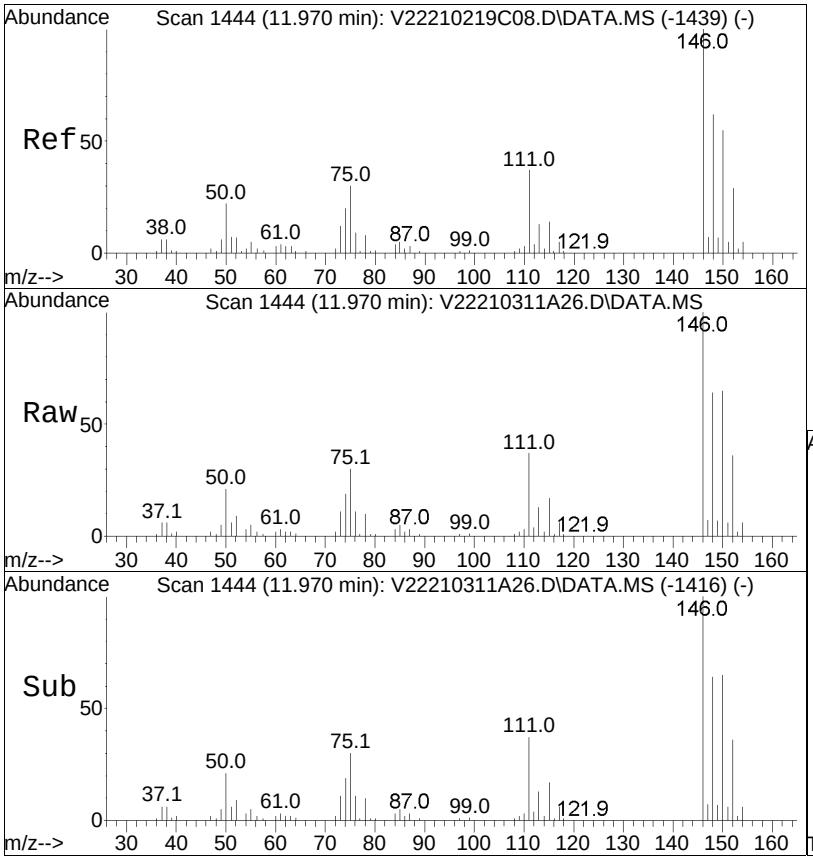


#104
1,3-Dichlorobenzene
Concen: 9.25 ug/L
RT: 11.879 min Scan# 1431
Delta R.T. 0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:146 Resp: 125804

Ion	Ratio	Lower	Upper
146	100		
111	38.5	24.0	49.8
148	64.2	41.8	86.8

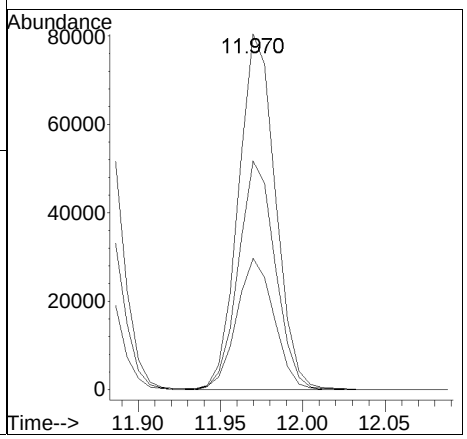


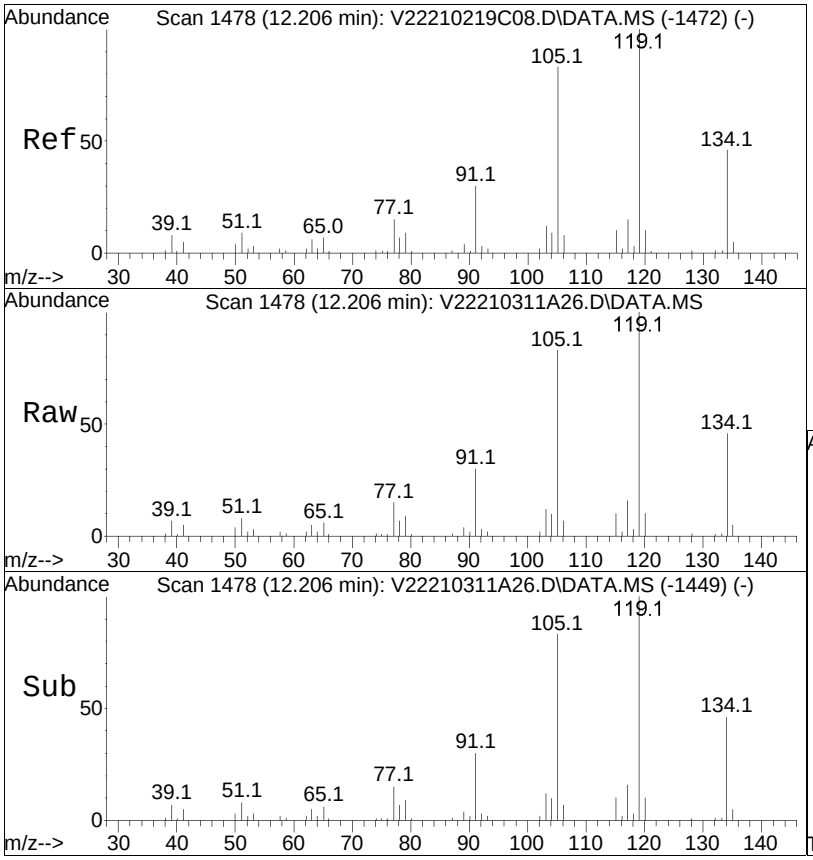


#105
1,4-Dichlorobenzene
Concen: 9.18 ug/L
RT: 11.970 min Scan# 1444
Delta R.T. -0.007 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:146 Resp: 125629

Ion	Ratio	Lower	Upper
146	100		
111	37.3	28.9	43.3
148	63.9	51.4	77.2

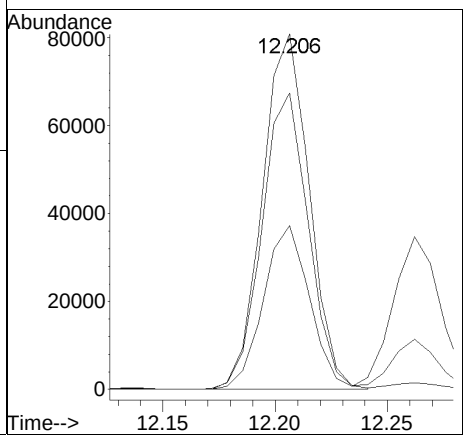


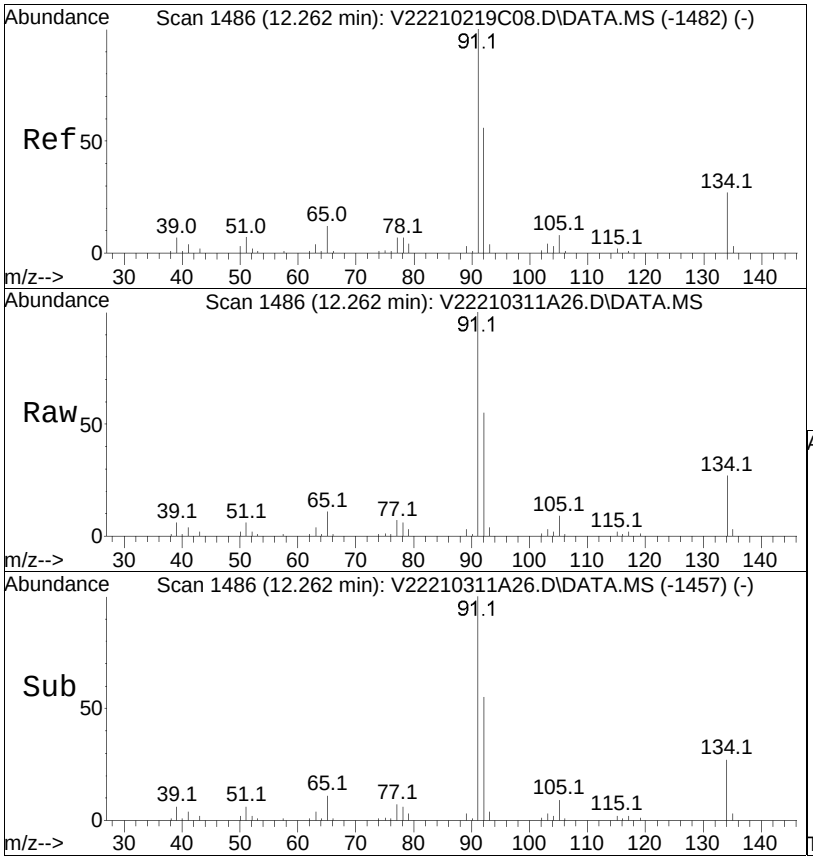


#106
p-Diethylbenzene
Concen: 8.05 ug/L
RT: 12.206 min Scan# 1478
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:119 Resp: 117163

Ion	Ratio	Lower	Upper
119	100		
105	82.9	53.4	110.8
134	45.5	30.9	64.1

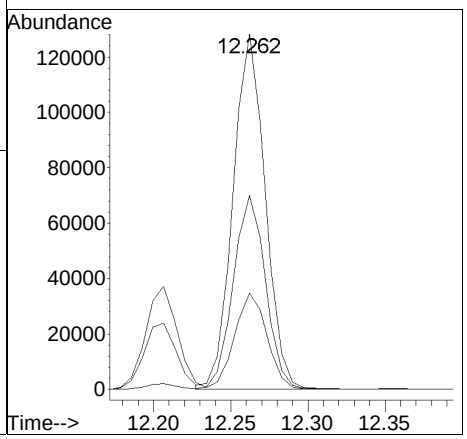


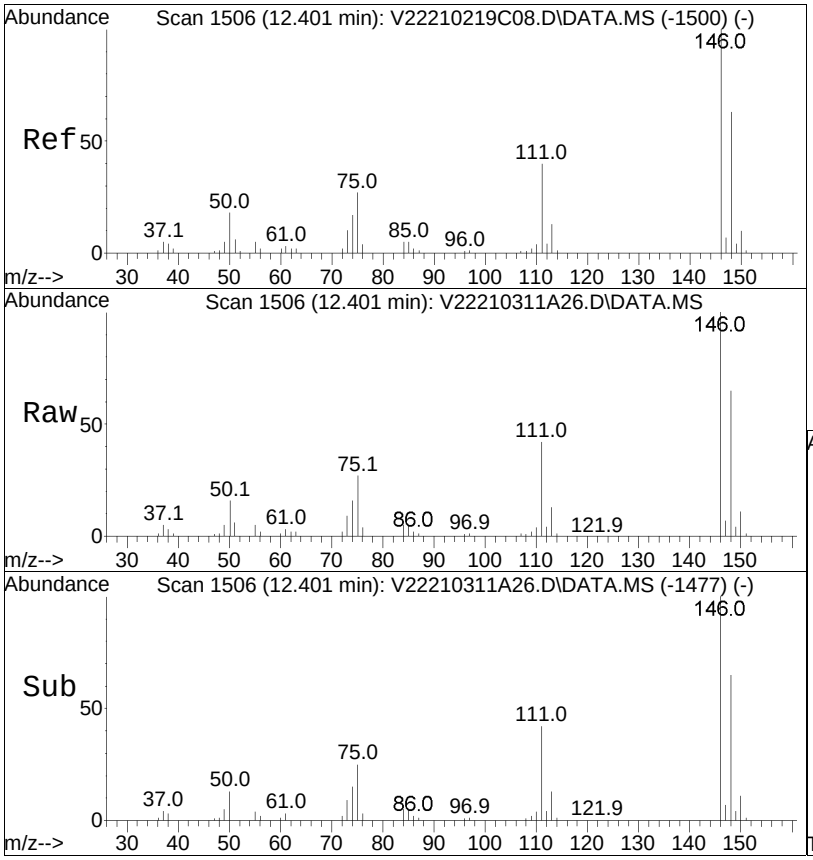


#107
n-Butylbenzene
Concen: 9.07 ug/L
RT: 12.262 min Scan# 1486
Delta R.T. 0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion: 91 Resp: 186151

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.6	66.8
134	27.3	22.9	34.3

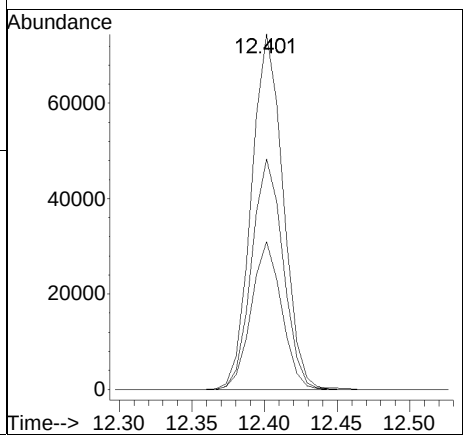


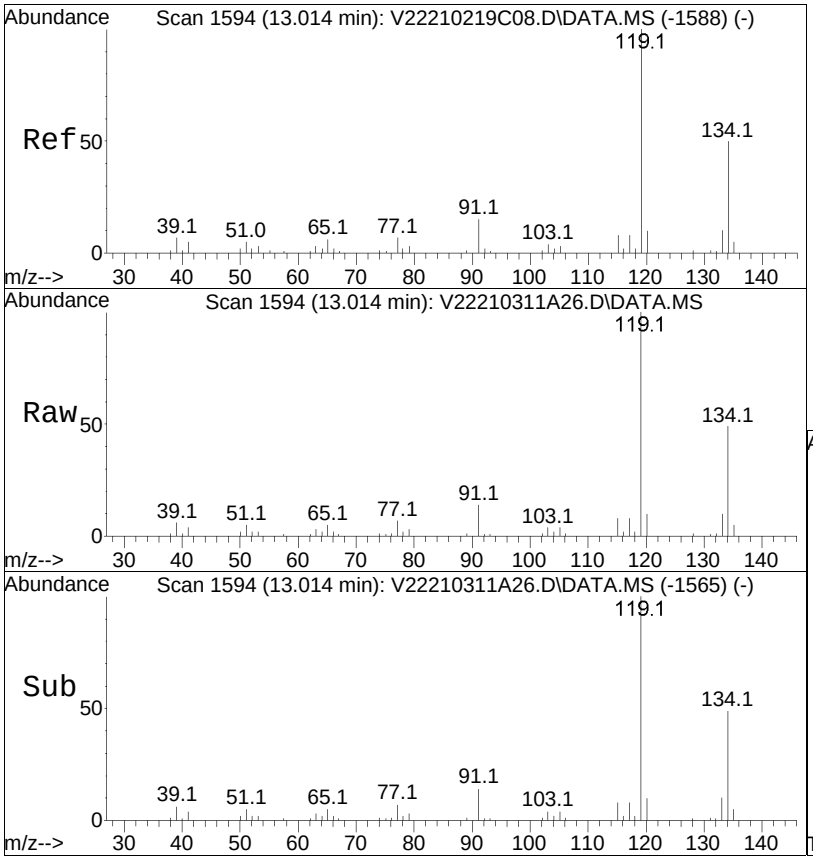


#108
1,2-Dichlorobenzene
Concen: 9.29 ug/L
RT: 12.401 min Scan# 1506
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:146 Resp: 113136

Ion	Ratio	Lower	Upper
146	100		
111	39.9	24.8	51.6
148	64.3	42.2	87.6

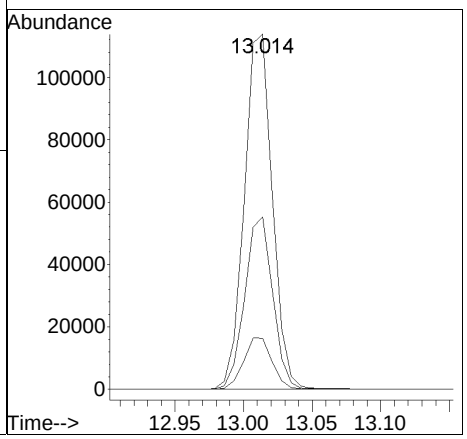


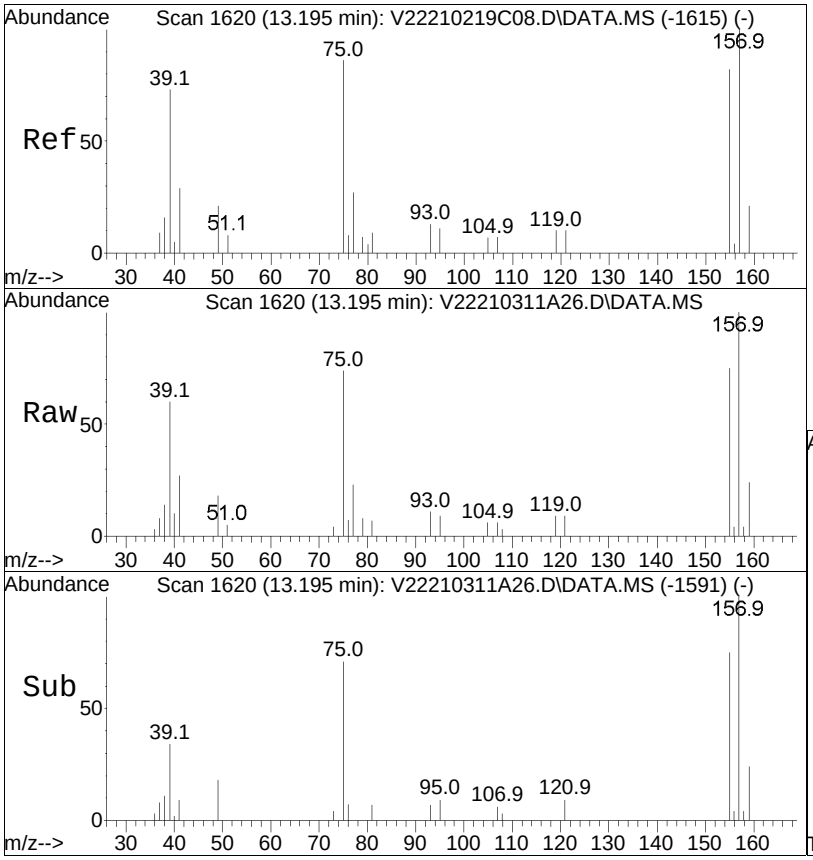


#109
1,2,4,5-Tetramethylbenzene
Concen: 8.59 ug/L
RT: 13.014 min Scan# 1594
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:119 Resp: 162470

Ion	Ratio	Lower	Upper
119	100		
134	48.4	31.9	66.1
91	14.7	9.8	20.3

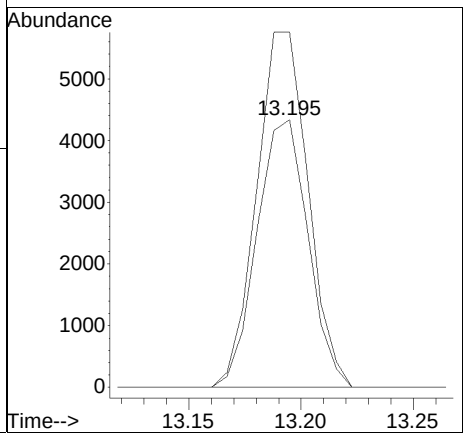


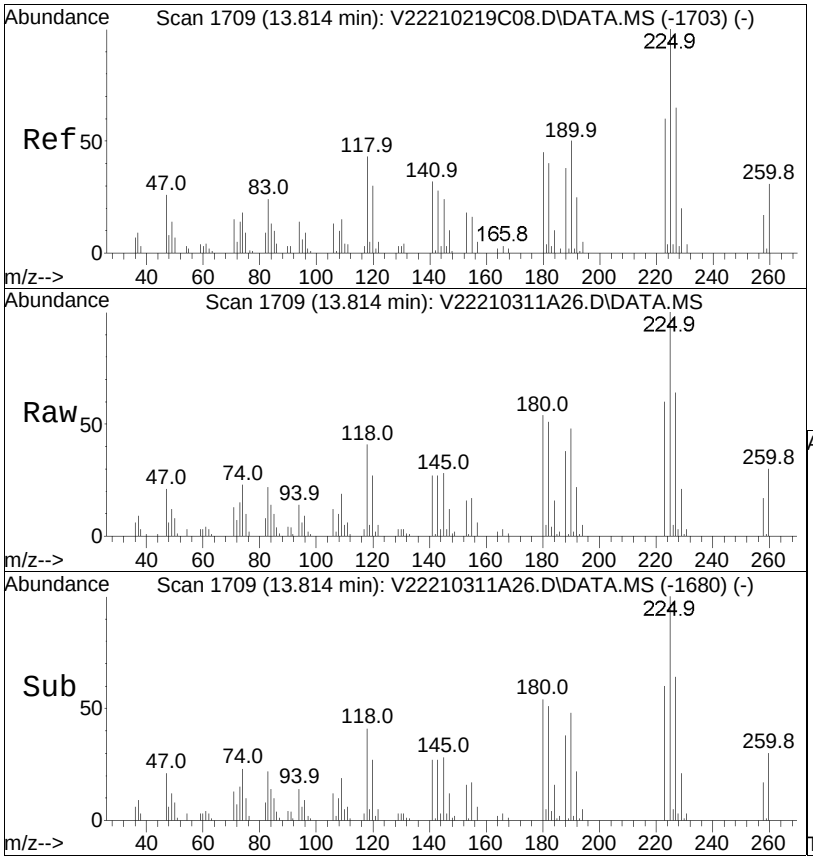


#110
1,2-Dibromo-3-chloropropane
Concen: 7.98 ug/L
RT: 13.195 min Scan# 1620
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:155 Resp: 6861

Ion	Ratio	Lower	Upper
155	100		
157	133.8	102.3	153.5

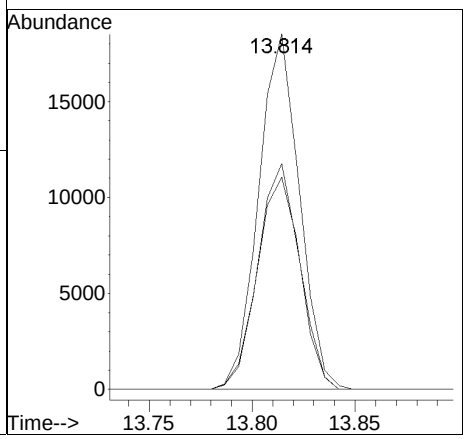


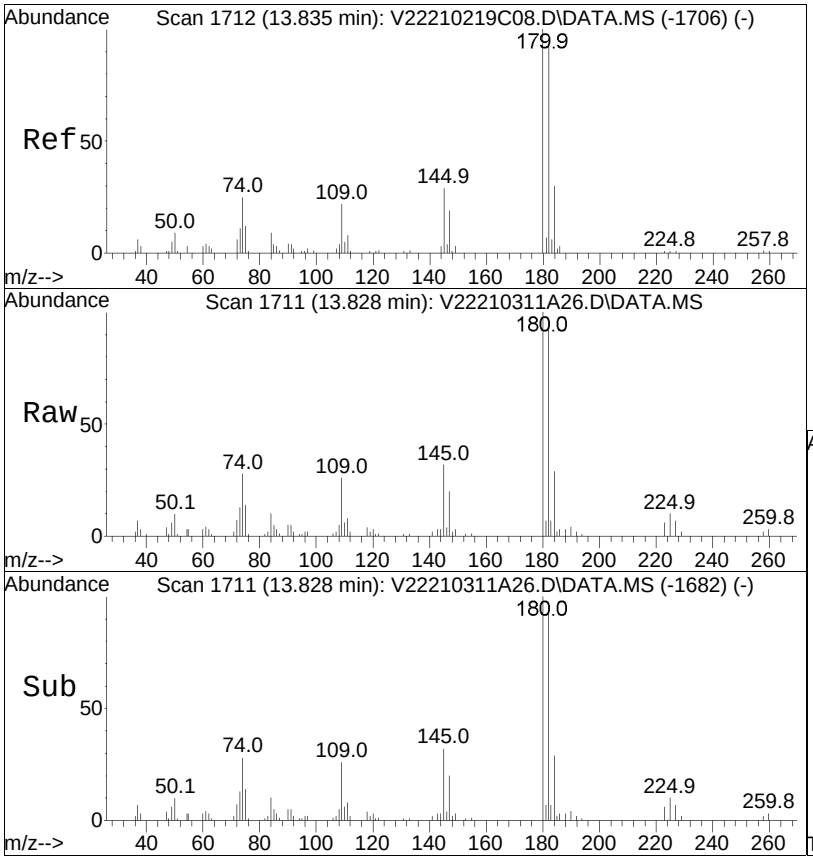


#112
Hexachlorobutadiene
Concen: 9.66 ug/L
RT: 13.814 min Scan# 1709
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:225 Resp: 25597

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.8
227	64.9	52.2	78.4

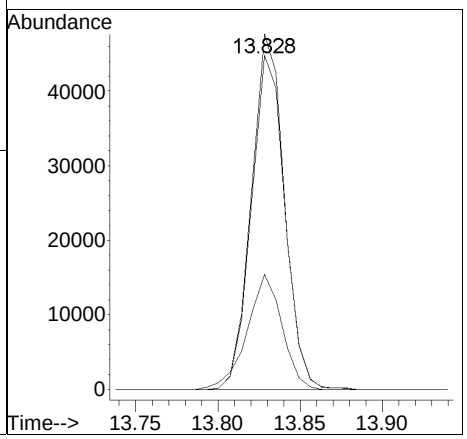


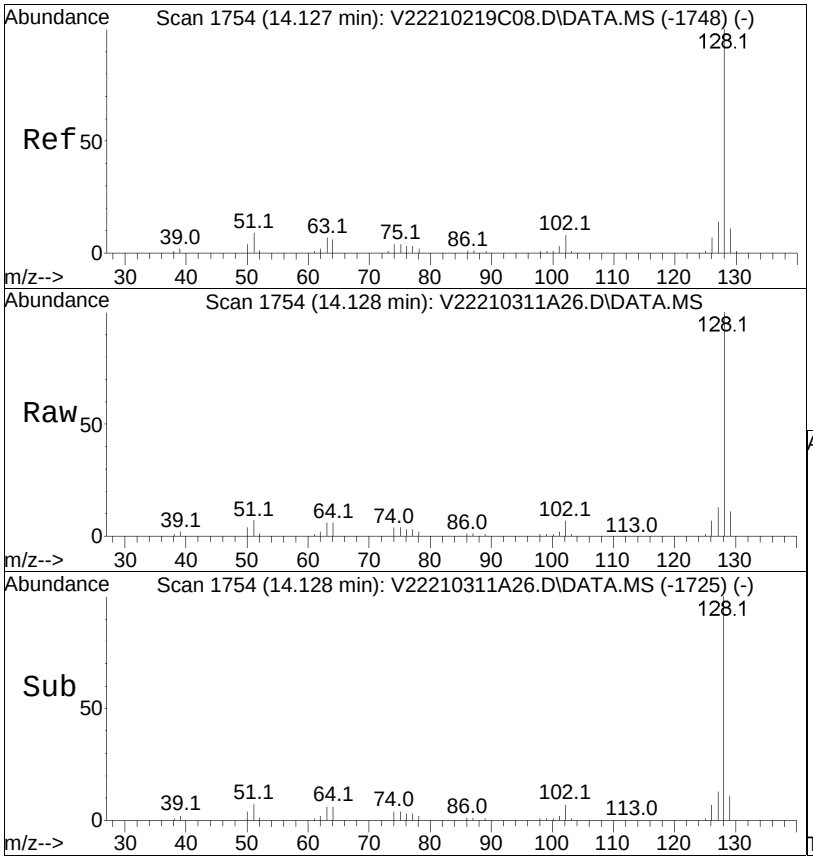


#113
1,2,4-Trichlorobenzene
Concen: 9.31 ug/L
RT: 13.828 min Scan# 1711
Delta R.T. -0.001 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:180 Resp: 66453

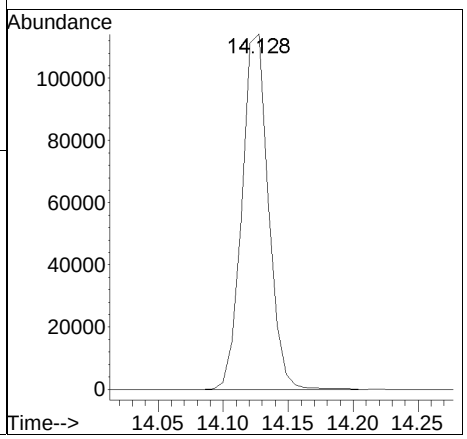
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	34.2	25.5	38.3

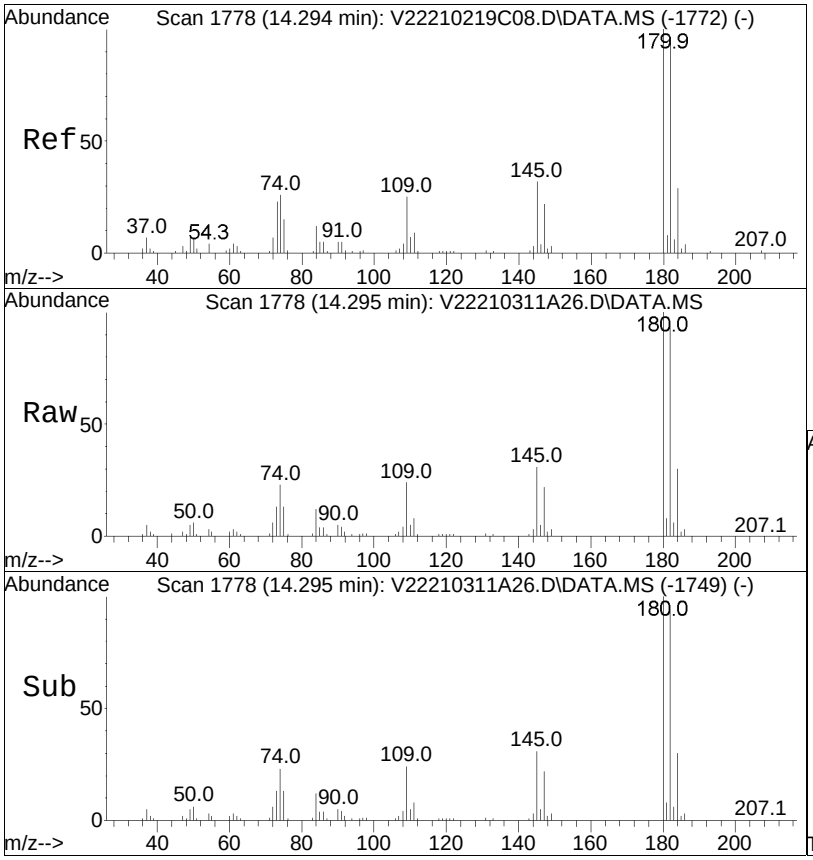




#114
Naphthalene
Concen: 9.91 ug/L
RT: 14.128 min Scan# 1754
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:128 Resp: 161607

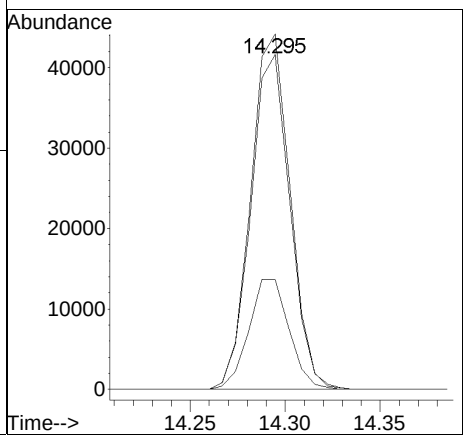




#115
1,2,3-Trichlorobenzene
Concen: 10.10 ug/L
RT: 14.295 min Scan# 1778
Delta R.T. -0.000 min
Lab File: V22210311A26.D
Acq: 11 Mar 2021 05:38 pm

Tgt Ion:180 Resp: 63747

Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.0	114.0
145	31.8	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210219C_8260.m
Data File	: V22210311A26.D	Operator	: VOA122:AJK
Date Inj'd	: 3/11/2021 5:38 pm	Instrument	: VOA122
Sample	: WG1473232-6,31,10,10,,A1	Quant Date	: 3/11/2021 6:27 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A27.D
Acq On : 11 Mar 2021 06:03 pm
Operator : VOA122:AJK
Sample : WG1473232-7,31,10,10,,A2
Misc : WG1473232,ICAL17646
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 11 18:28:03 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.667	96	221500	10.000	ug/L	0.00
Standard Area 1 = 265339			Recovery = 83.48%			
62) Chlorobenzene-d5	9.170	117	179419	10.000	ug/L	0.00
Standard Area 1 = 195460			Recovery = 91.79%			
83) 1,4-Dichlorobenzene-d4	11.956	152	101731	10.000	ug/L	0.00
Standard Area 1 = 112718			Recovery = 90.25%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.864	113	70200	9.849	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.49%			
46) 1,2-Dichloroethane-d4	5.379	65	69995	9.705	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.05%			
63) Toluene-d8	7.341	98	208946	9.074	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.74%			
87) 4-Bromofluorobenzene	10.708	95	78817	8.319	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.19%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.469	85	37947	11.553	ug/L	98
3) Chloromethane	1.657	50	75538	10.512	ug/L	95
4) Vinyl chloride	1.706	62	70829	11.117	ug/L	100
5) Bromomethane	1.985	94	11912	3.285	ug/L	98
6) Chloroethane	2.089	64	44604	9.483	ug/L	95
7) Trichlorofluoromethane	2.222	101	93233	11.182	ug/L	100
8) Ethyl ether	2.508	74	26887	10.977	ug/L #	1
10) 1,1-Dichloroethene	2.689	96	58289	11.411	ug/L	80
11) Carbon disulfide	2.717	76	167100	14.151	ug/L	100
15) Methylene chloride	3.219	84	61384	10.870	ug/L #	70
17) Acetone	3.260	43	14929	12.049	ug/L	97
18) trans-1,2-Dichloroethene	3.365	96	61248	11.300	ug/L	86
21) Methyl tert-butyl ether	3.463	73	101009	9.646	ug/L #	86
25) 1,1-Dichloroethane	3.930	63	123245	10.989	ug/L	96
27) Acrylonitrile	3.971	53	18374	11.111	ug/L	93
29) Vinyl acetate	4.160	43	86608	7.932	ug/L #	90
30) cis-1,2-Dichloroethene	4.431	96	69253	11.046	ug/L #	84
31) 2,2-Dichloropropane	4.536	77	59364	9.173	ug/L #	84
32) Bromochloromethane	4.620	128	30471	11.500	ug/L #	73
34) Chloroform	4.689	83	108928	10.838	ug/L	95

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A27.D
Acq On : 11 Mar 2021 06:03 pm
Operator : VOA122:AJK
Sample : WG1473232-7,31,10,10,,A2
Misc : WG1473232,ICAL17646
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 11 18:28:03 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	4.829	117	83184	10.449	ug/L		99
39) 1,1,1-Trichloroethane	4.892	97	96621	11.045	ug/L		95
41) 2-Butanone	4.982	43	16437	10.483	ug/L	#	65
42) 1,1-Dichloropropene	5.017	75	48869	10.254	ug/L		100
44) Benzene	5.254	78	206544	10.568	ug/L	#	93
47) 1,2-Dichloroethane	5.453	62	72472	10.138	ug/L		99
51) Trichloroethene	5.837	95	55743	10.676	ug/L		98
53) Dibromomethane	6.265	93	32112	10.437	ug/L		87
54) 1,2-Dichloropropane	6.376	63	56857	10.155	ug/L		95
57) Bromodichloromethane	6.442	83	71542	10.344	ug/L		100
60) 1,4-Dioxane	6.656	88	18650	538.708	ug/L	#	65
61) cis-1,3-Dichloropropene	7.134	75	65683	8.012	ug/L	#	90
64) Toluene	7.400	92	125974	9.684	ug/L		100
65) 4-Methyl-2-pentanone	7.842	58	9301	7.047	ug/L	#	74
66) Tetrachloroethene	7.842	166	58054	9.160	ug/L		97
68) trans-1,3-Dichloropropene	7.879	75	53520	8.216	ug/L		89
71) 1,1,2-Trichloroethane	8.063	83	30134	8.811	ug/L		97
72) Chlorodibromomethane	8.266	129	49589	8.562	ug/L		100
73) 1,3-Dichloropropane	8.384	76	62355	9.903	ug/L		99
74) 1,2-Dibromoethane	8.535	107	34788	8.591	ug/L		98
76) 2-Hexanone	8.844	43	17471	7.662	ug/L	#	88
77) Chlorobenzene	9.193	112	147511	9.707	ug/L		89
78) Ethylbenzene	9.241	91	241596	9.732	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.281	131	44107	8.746	ug/L		98
80) p/m Xylene	9.431	106	204140	20.503	ug/L		100
81) o Xylene	9.971	106	190508	21.062	ug/L		99
82) Styrene	10.042	104	314487	21.729	ug/L		98
84) Bromoform	10.050	173	25701	8.106	ug/L		98
86) Isopropylbenzene	10.383	105	255616	9.186	ug/L		98
88) Bromobenzene	10.819	156	61039	9.225	ug/L		100
89) n-Propylbenzene	10.883	91	323473	9.649	ug/L		99
91) 1,1,2,2-Tetrachloroethane	10.962	83	41997	8.937	ug/L		99
92) 4-Ethyltoluene	11.017	105	254314	9.627	ug/L		100
93) 2-Chlorotoluene	11.049	91	211393	9.607	ug/L		99
94) 1,3,5-Trimethylbenzene	11.120	105	204280	9.177	ug/L		99
95) 1,2,3-Trichloropropane	11.105	75	32574	8.525	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.168	53	6574	4.115	ug/L	#	71
97) 4-Chlorotoluene	11.239	91	192953	9.701	ug/L		100
98) tert-Butylbenzene	11.462	119	199200	8.517	ug/L		98

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A27.D
Acq On : 11 Mar 2021 06:03 pm
Operator : VOA122:AJK
Sample : WG1473232-7,31,10,10,,A2
Misc : WG1473232,ICAL17646
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 11 18:28:03 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2021\210311A\V22210311A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.545	105	198132	9.175	ug/L	99
102) sec-Butylbenzene	11.663	105	259858	9.944	ug/L	97
103) p-Isopropyltoluene	11.824	119	231165	9.666	ug/L	99
104) 1,3-Dichlorobenzene	11.879	146	132950	9.803	ug/L	98
105) 1,4-Dichlorobenzene	11.970	146	133196	9.753	ug/L	98
106) p-Diethylbenzene	12.206	119	123955	8.531	ug/L	99
107) n-Butylbenzene	12.262	91	194858	9.516	ug/L	98
108) 1,2-Dichlorobenzene	12.401	146	120278	9.900	ug/L	98
109) 1,2,4,5-Tetramethylben...	13.014	119	174464	9.242	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.195	155	7480	8.690	ug/L	99
112) Hexachlorobutadiene	13.814	225	26894	10.168	ug/L	99
113) 1,2,4-Trichlorobenzene	13.828	180	70334	9.878	ug/L	98
114) Naphthalene	14.128	128	175990	10.816	ug/L	100
115) 1,2,3-Trichlorobenzene	14.295	180	67466	10.714	ug/L	99

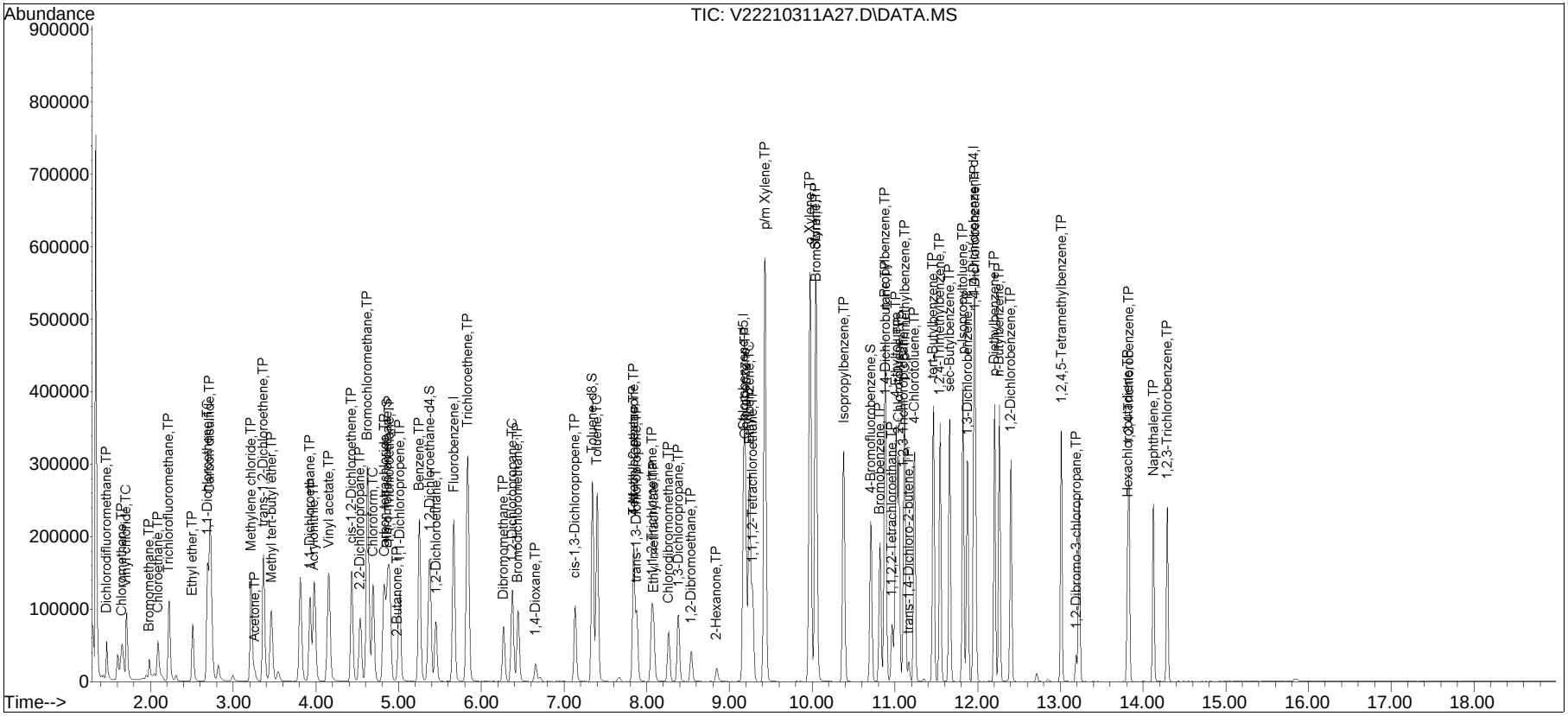
(#) = qualifier out of range (m) = manual integration (+) = signals summed

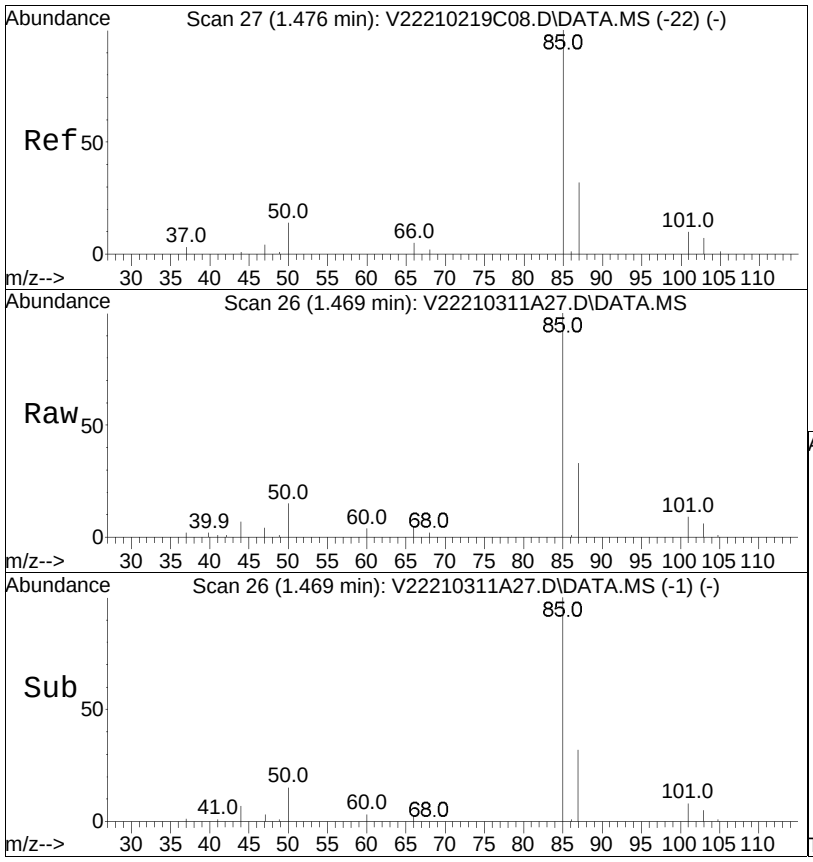
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2021\210311A\
Data File : V22210311A27.D
Acq On : 11 Mar 2021 06:03 pm
Operator : VOA122:AJK
Sample : WG1473232-7,31,10,10,,A2
Misc : WG1473232,ICAL17646
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 11 18:28:03 2021
Quant Method : I:\VOLATILES\VOA122\2021\210311A\V122_210219C_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 19 20:07:36 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10311A\\V22210311A01.D•

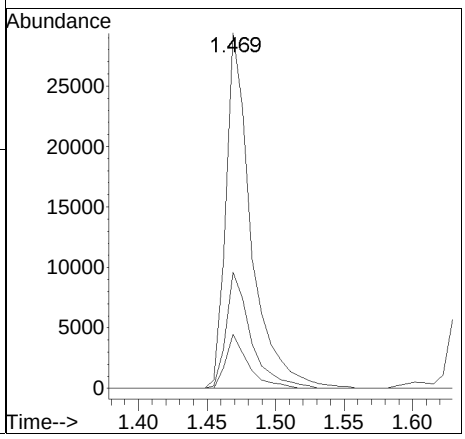


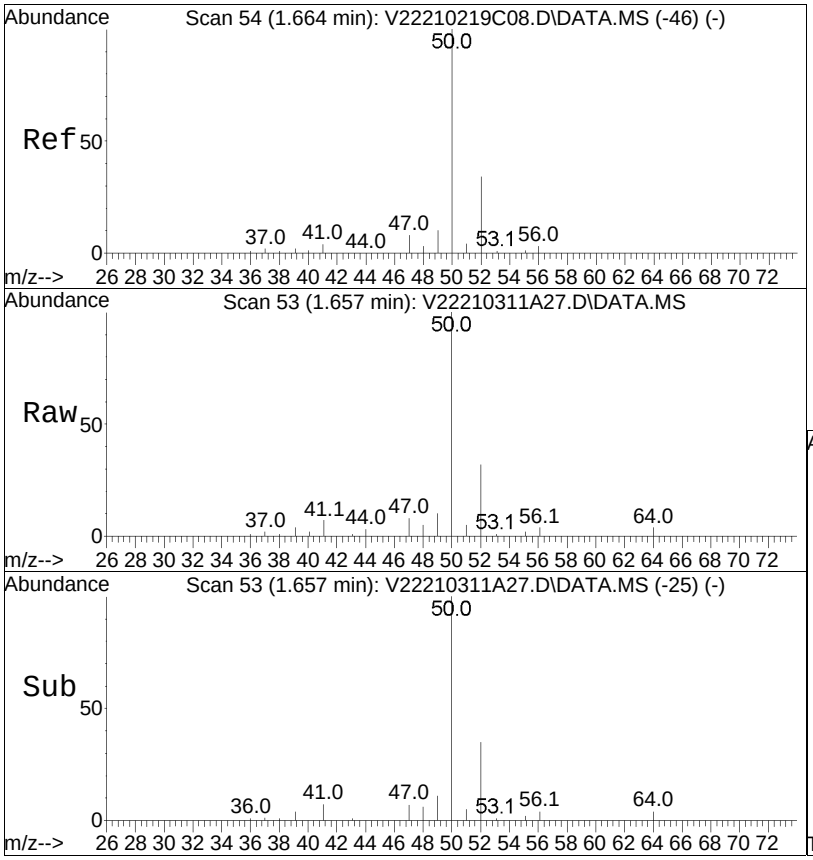


#2
Dichlorodifluoromethane
Concen: 11.55 ug/L
RT: 1.469 min Scan# 26
Delta R.T. -0.007 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 85 Resp: 37947

Ion	Ratio	Lower	Upper
85	100		
87	32.1	20.7	42.9
50	13.5	6.8	14.2

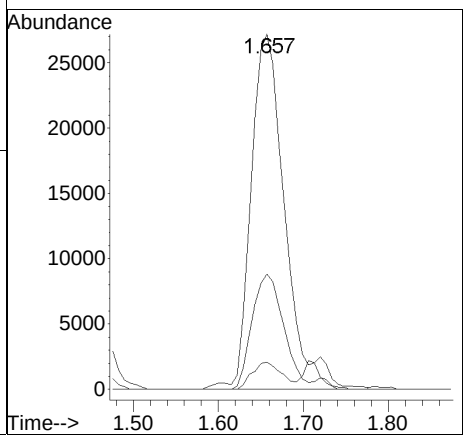


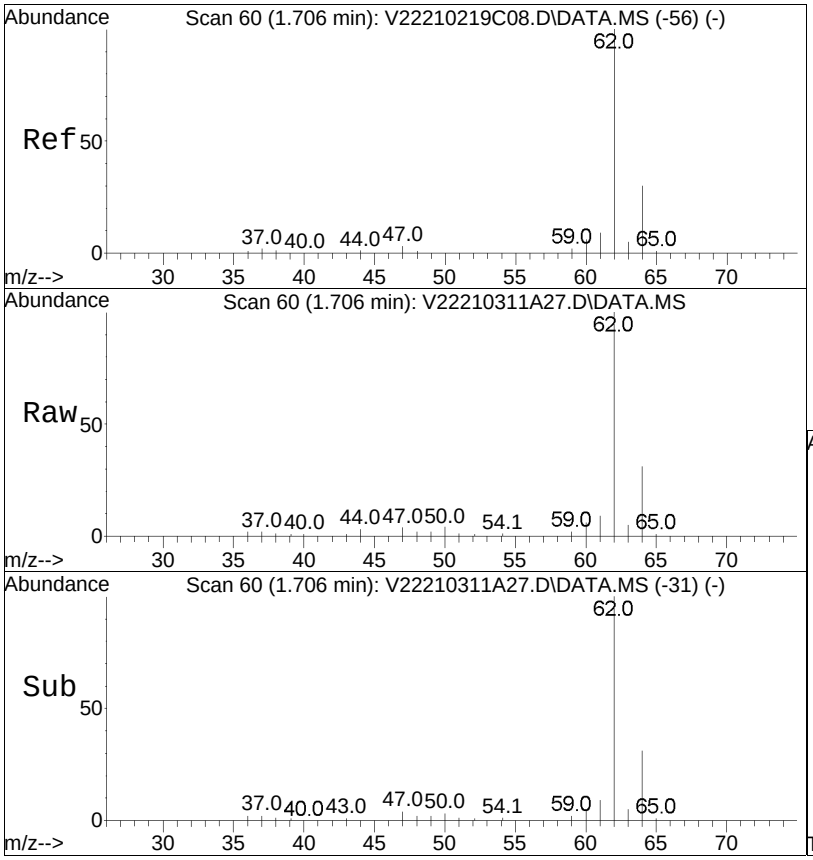


#3
Chloromethane
Concen: 10.51 ug/L
RT: 1.657 min Scan# 53
Delta R.T. -0.007 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 50 Resp: 75538

Ion	Ratio	Lower	Upper
50	100		
52	30.2	12.8	52.8
47	6.9	0.0	30.0

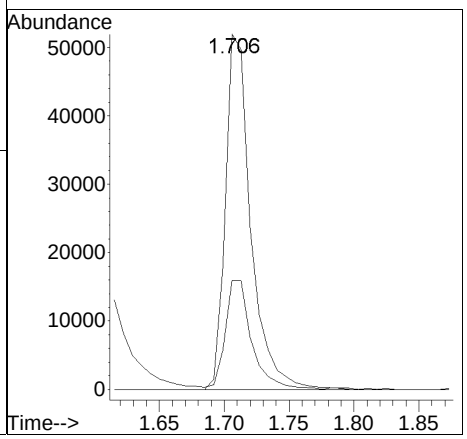


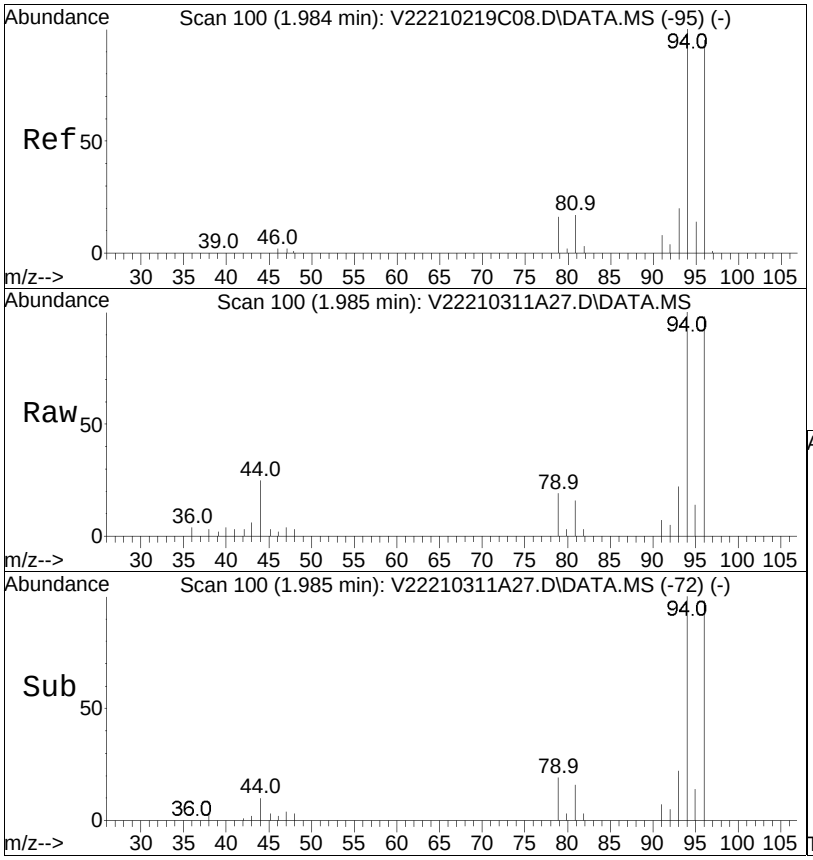


#4
Vinyl chloride
Concen: 11.12 ug/L
RT: 1.706 min Scan# 60
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 62 Resp: 70829

Ion	Ratio	Lower	Upper
62	100		
64	31.8	12.0	52.0

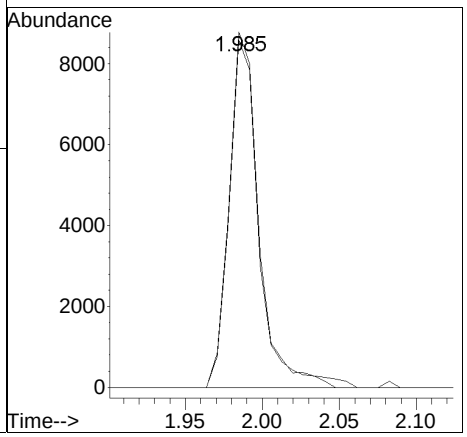


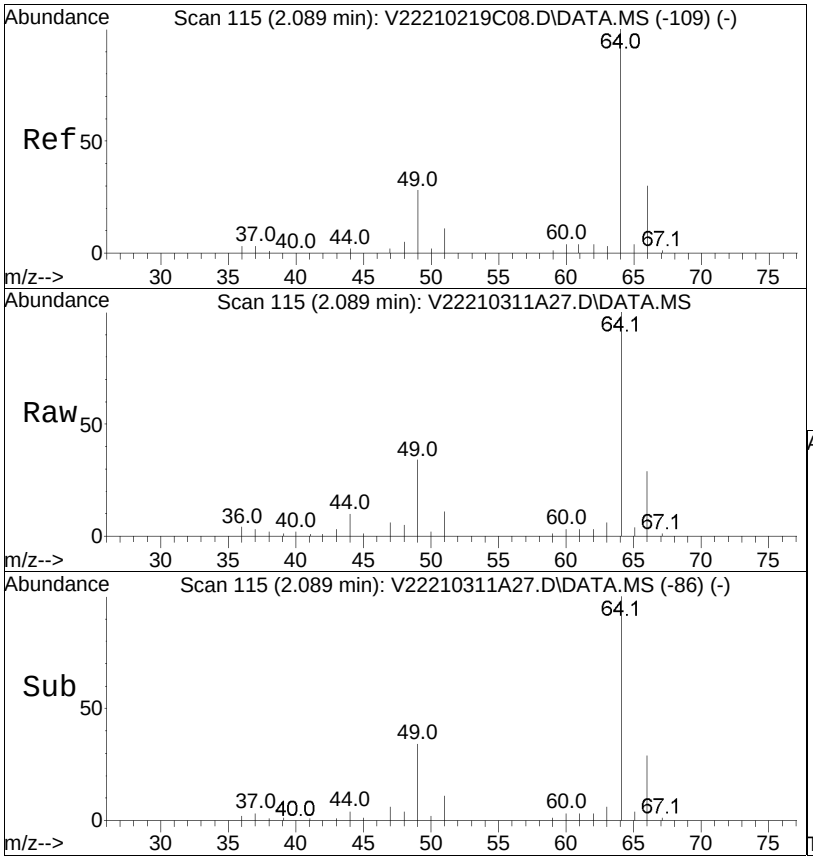


#5
Bromomethane
Concen: 3.29 ug/L
RT: 1.985 min Scan# 100
Delta R.T. -0.007 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 94 Resp: 11912

Ion	Ratio	Lower	Upper
94	100		
96	95.1	72.8	112.8

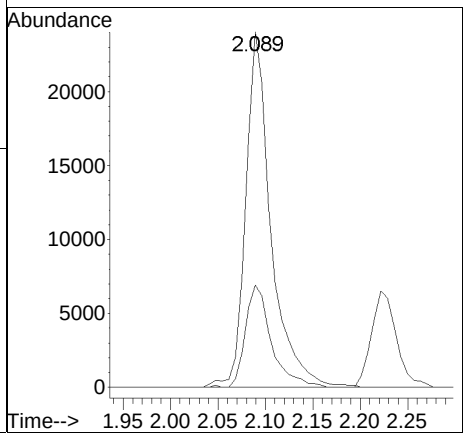


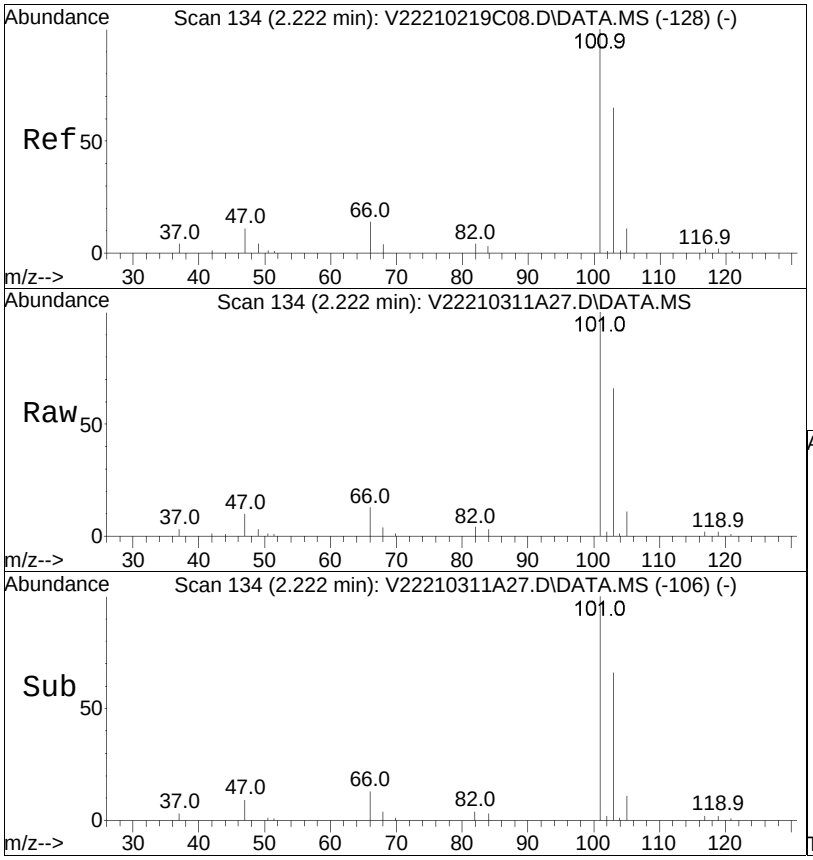


#6
Chloroethane
Concen: 9.48 ug/L
RT: 2.089 min Scan# 115
Delta R.T. 0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 64 Resp: 44604

Ion	Ratio	Lower	Upper
64	100		
66	29.7	12.2	52.2

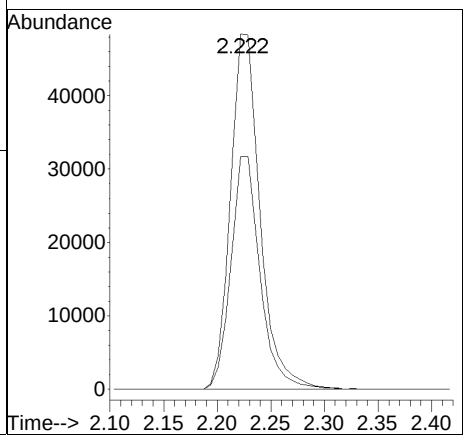


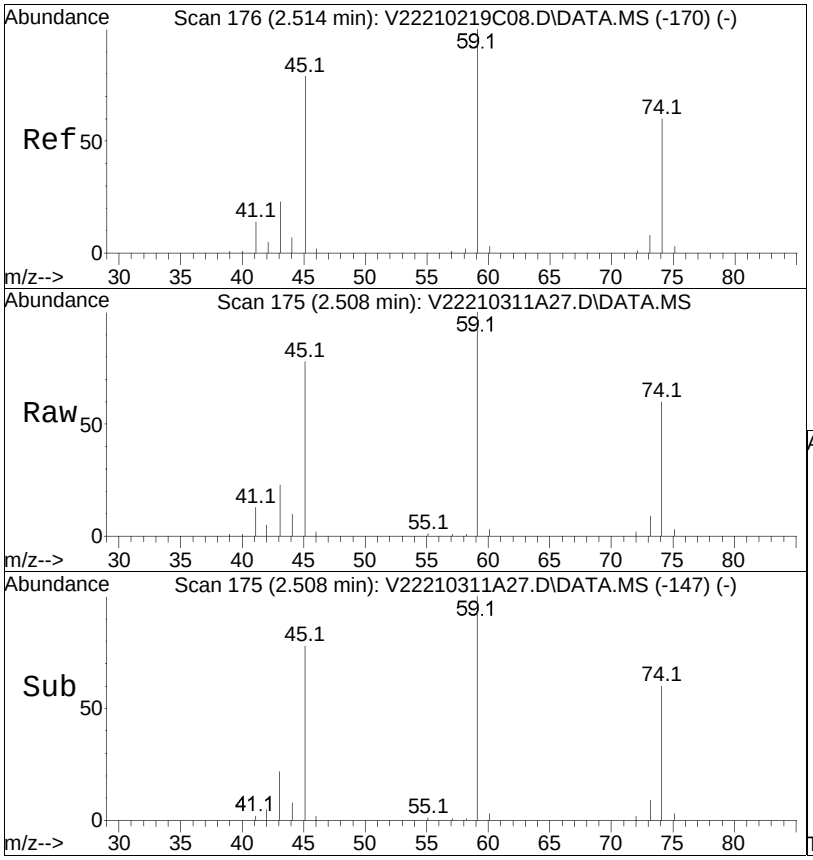


#7
Trichlorofluoromethane
Concen: 11.18 ug/L
RT: 2.222 min Scan# 134
Delta R.T. -0.007 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:101 Resp: 93233

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.6	77.4

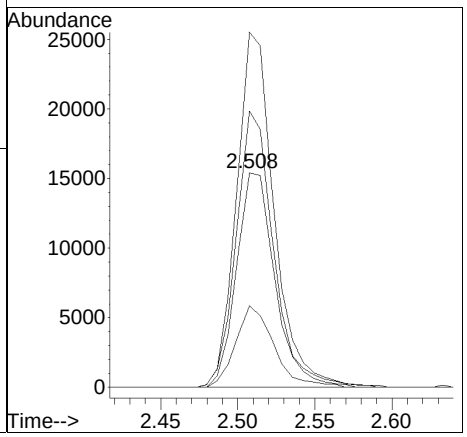


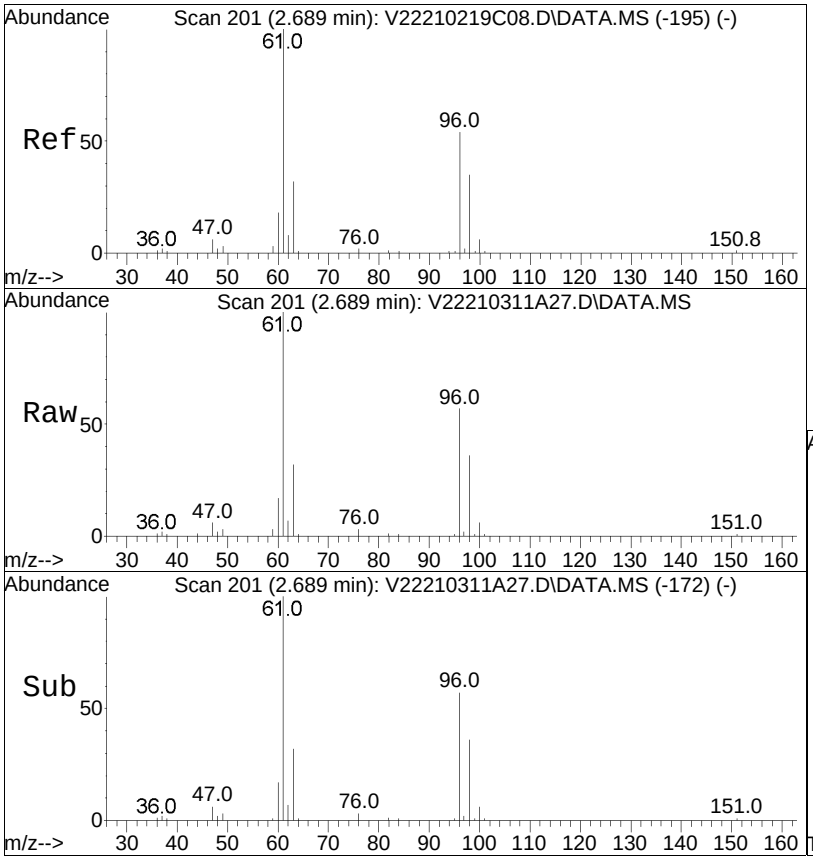


#8
Ethyl ether
Concen: 10.98 ug/L
RT: 2.508 min Scan# 175
Delta R.T. -0.007 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 74 Resp: 26887

Ion	Ratio	Lower	Upper
74	100		
59	162.1	2122.4	4408.0#
45	125.5	1435.1	2980.5#
43	37.9	407.9	847.3#

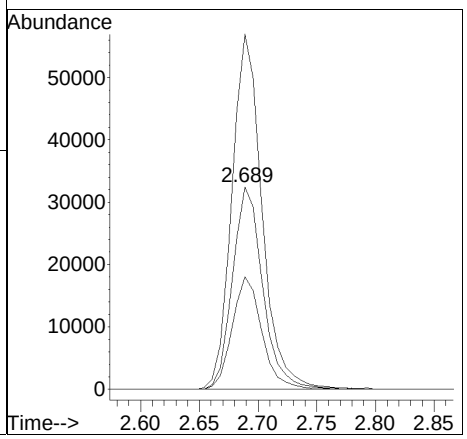


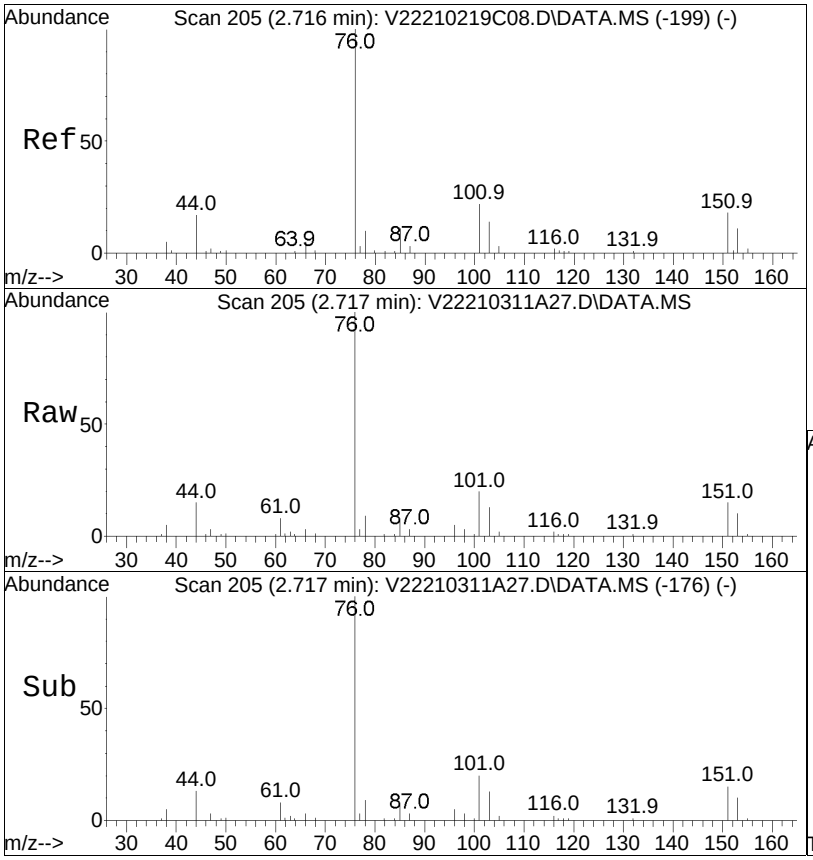


#10
1,1-Dichloroethene
Concen: 11.41 ug/L
RT: 2.689 min Scan# 201
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 96 Resp: 58289

Ion	Ratio	Lower	Upper
96	100		
61	175.1	117.0	175.4
63	54.7	37.8	56.6

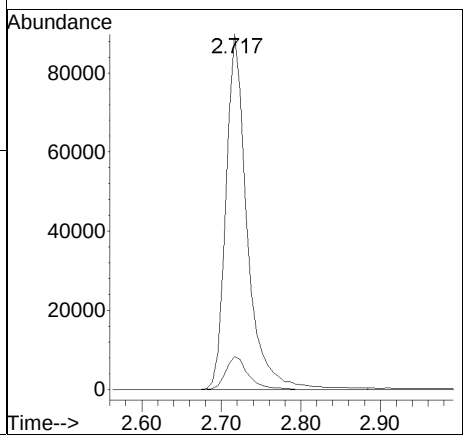


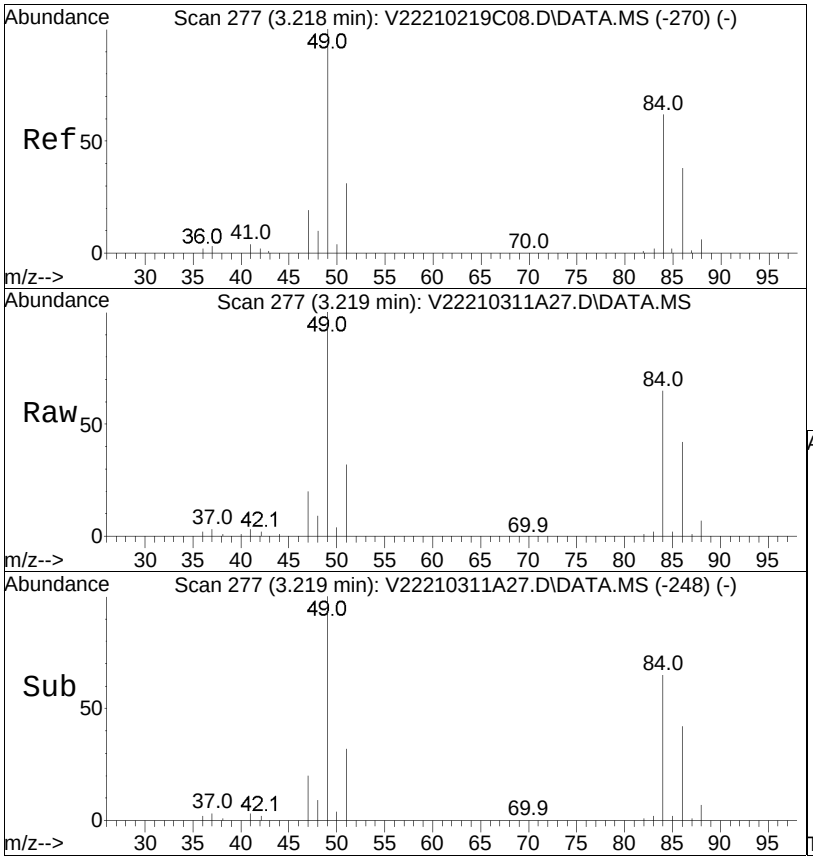


#11
Carbon disulfide
Concen: 14.15 ug/L
RT: 2.717 min Scan# 205
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 76 Resp: 167100

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.4	13.4

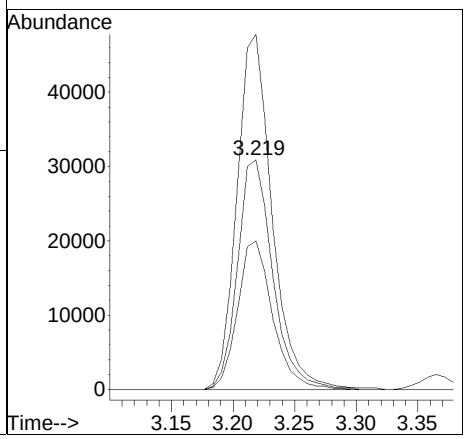


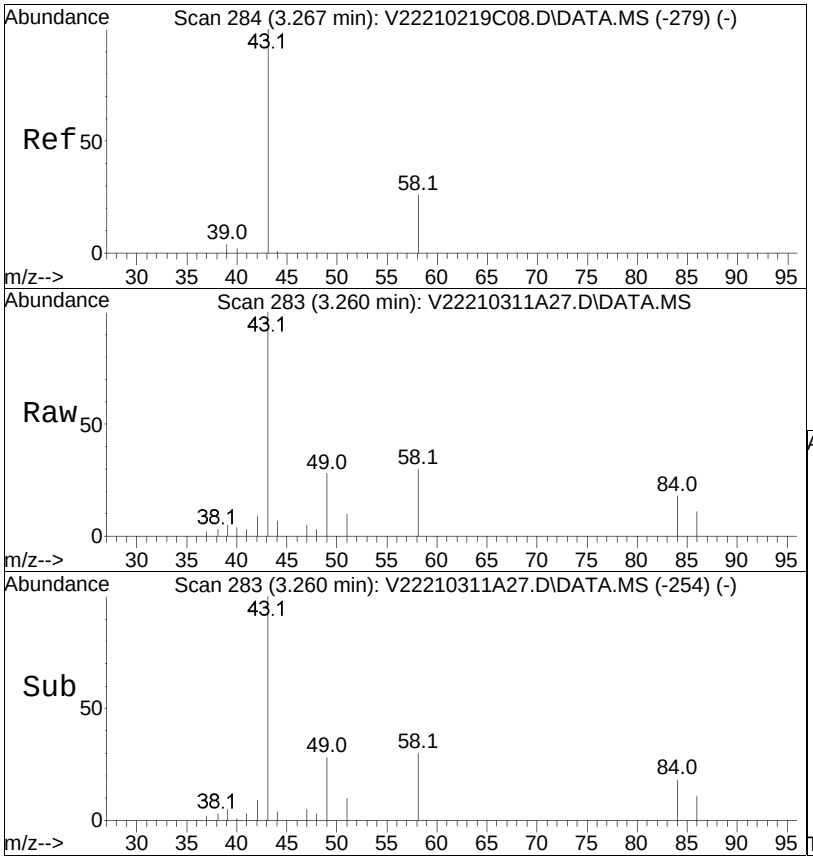


#15
Methylene chloride
Concen: 10.87 ug/L
RT: 3.219 min Scan# 277
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 84 Resp: 61384

Ion	Ratio	Lower	Upper
84	100		
86	64.4	41.5	86.3
49	154.8	68.8	143.0#

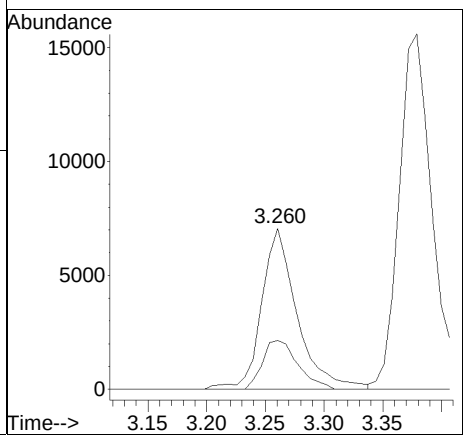


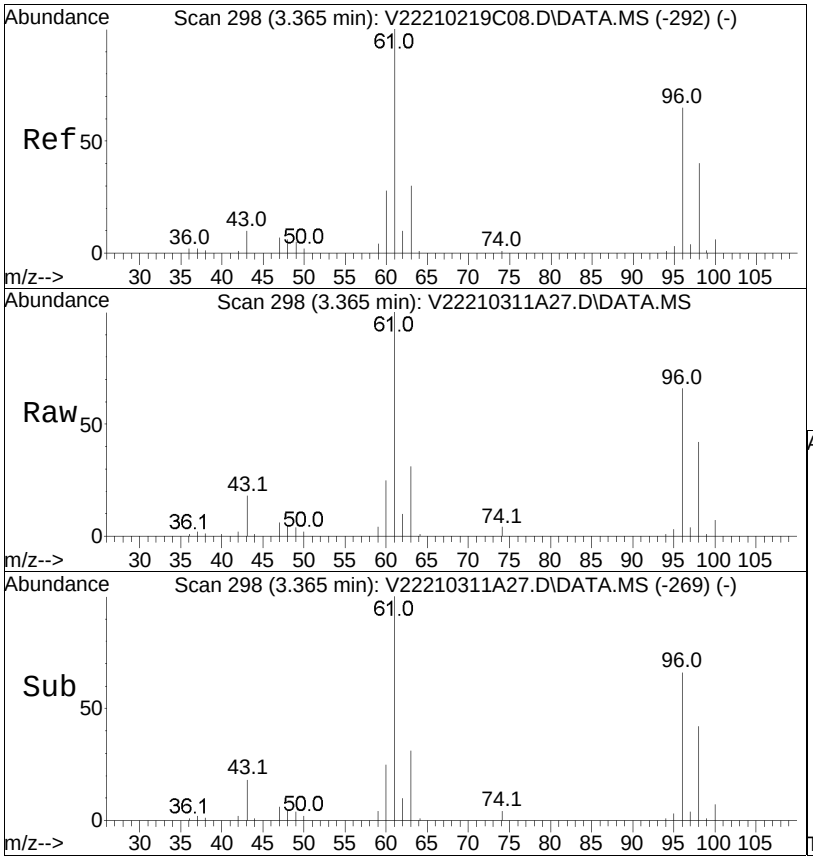


#17
Acetone
Concen: 12.05 ug/L
RT: 3.260 min Scan# 283
Delta R.T. 0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 43 Resp: 14929

Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.1	34.7

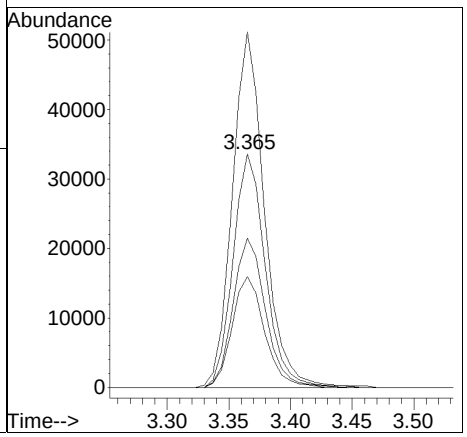


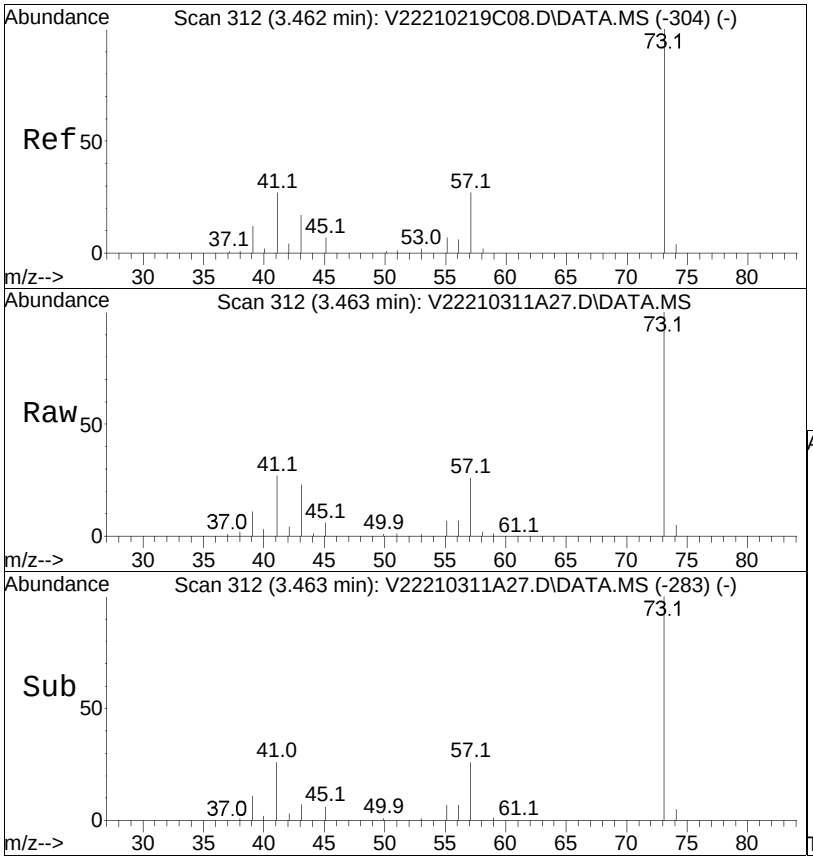


#18
trans-1,2-Dichloroethene
Concen: 11.30 ug/L
RT: 3.365 min Scan# 298
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 96 Resp: 61248

Ion	Ratio	Lower	Upper
96	100		
61	151.0	81.6	169.6
98	64.4	41.8	86.8
63	47.6	26.3	54.7

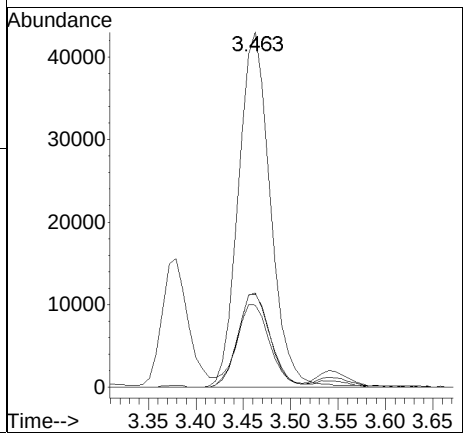


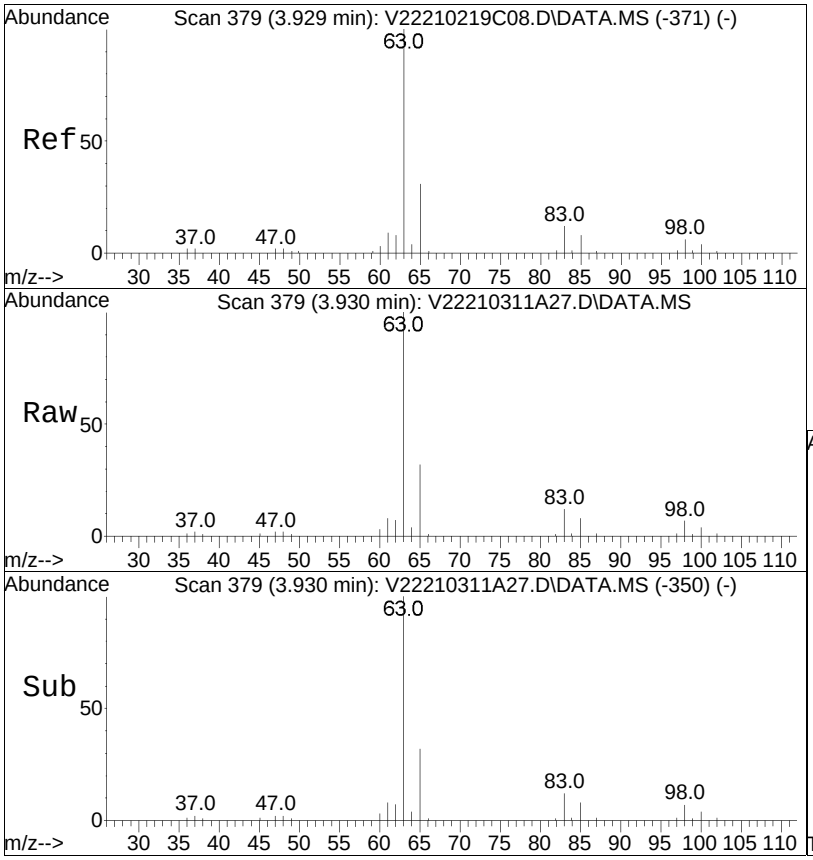


#21
Methyl tert-butyl ether
Concen: 9.65 ug/L
RT: 3.463 min Scan# 312
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 73 Resp: 101009

Ion	Ratio	Lower	Upper
73	100		
57	26.7	13.6	28.2
43	23.7	12.7	26.5
41	27.0	11.4	23.8#

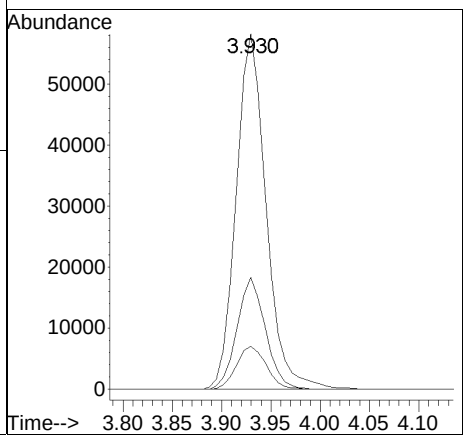


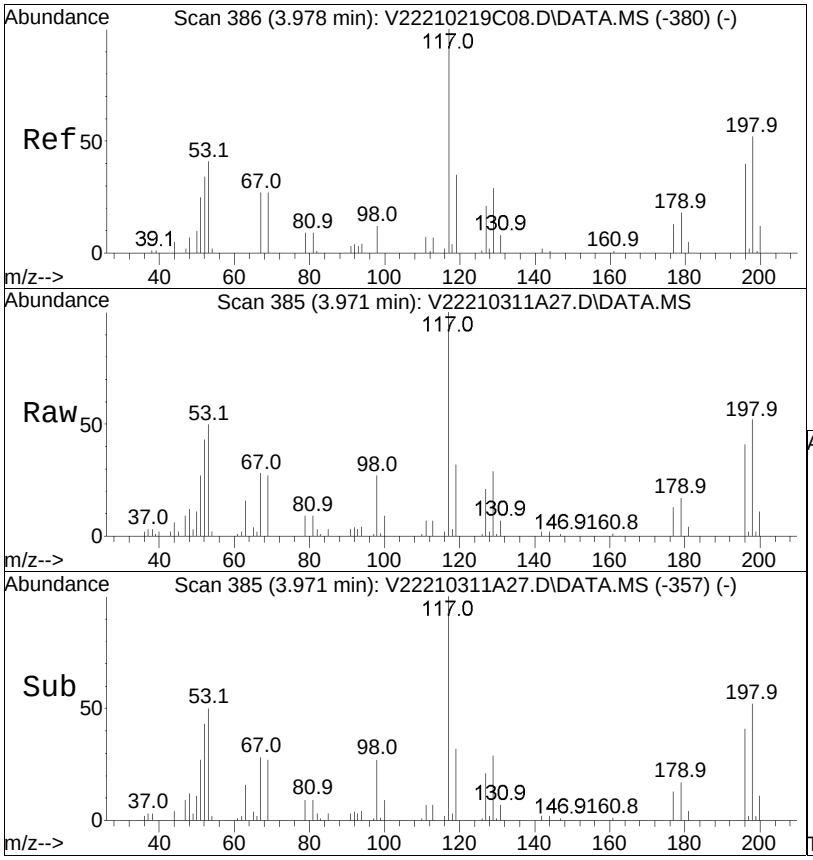


#25
1,1-Dichloroethane
Concen: 10.99 ug/L
RT: 3.930 min Scan# 379
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 63 Resp: 123245

Ion	Ratio	Lower	Upper
63	100		
65	29.8	11.9	51.9
83	12.1	0.0	34.2

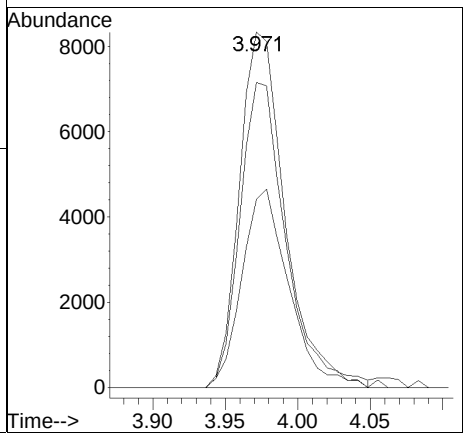


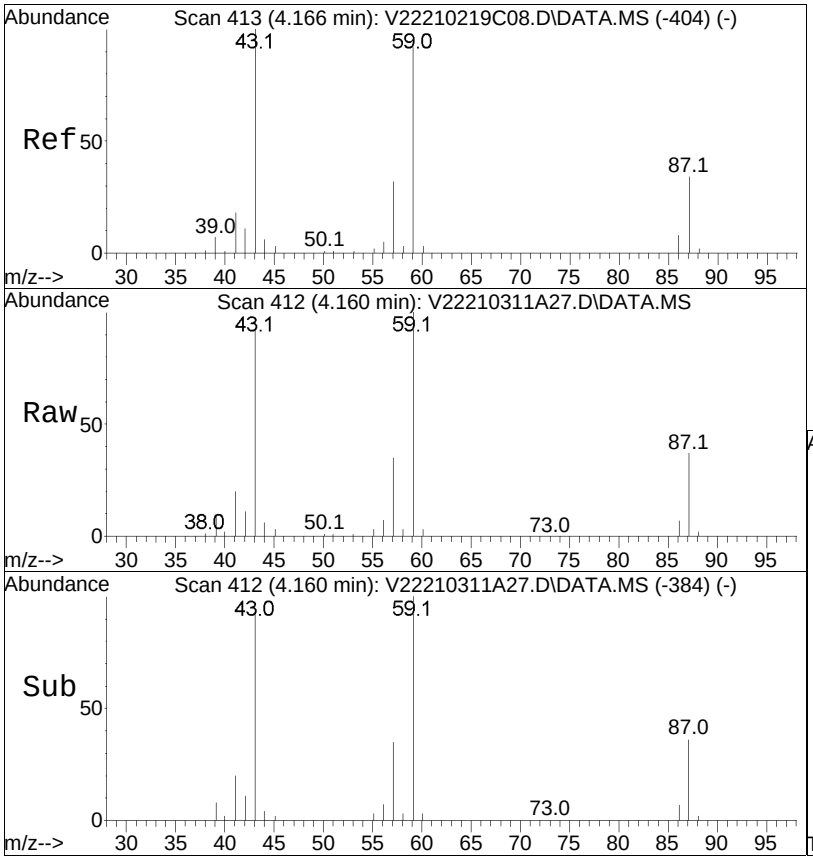


#27
Acrylonitrile
Concen: 11.11 ug/L
RT: 3.971 min Scan# 385
Delta R.T. -0.007 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 53 Resp: 18374

Ion	Ratio	Lower	Upper
53	100		
52	85.4	63.8	95.8
51	57.2	50.2	75.4

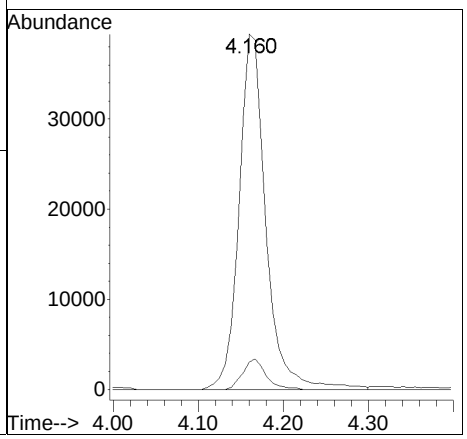


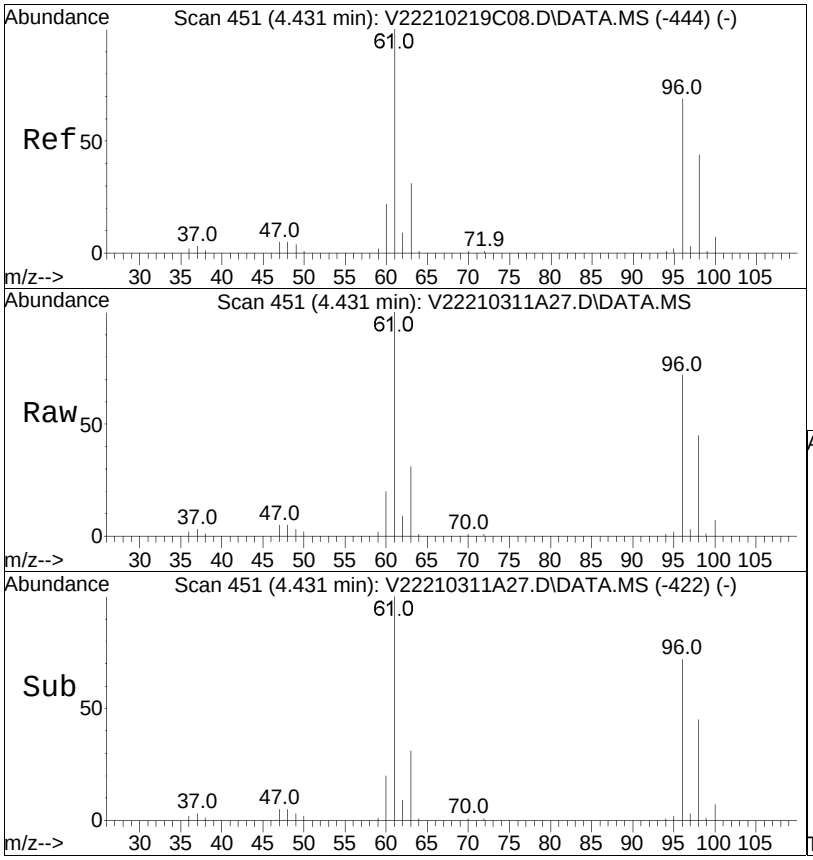


#29
Vinyl acetate
Concen: 7.93 ug/L
RT: 4.160 min Scan# 412
Delta R.T. -0.007 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 43 Resp: 86608

Ion	Ratio	Lower	Upper
43	100		
86	7.4	8.9	13.3#

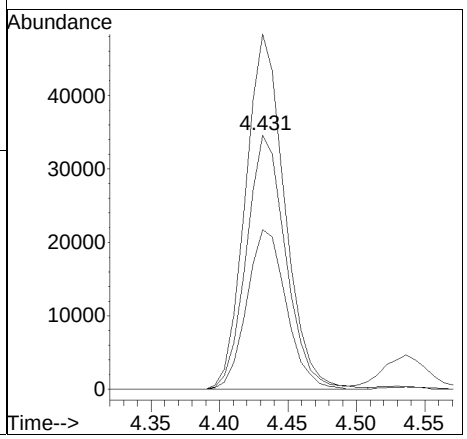


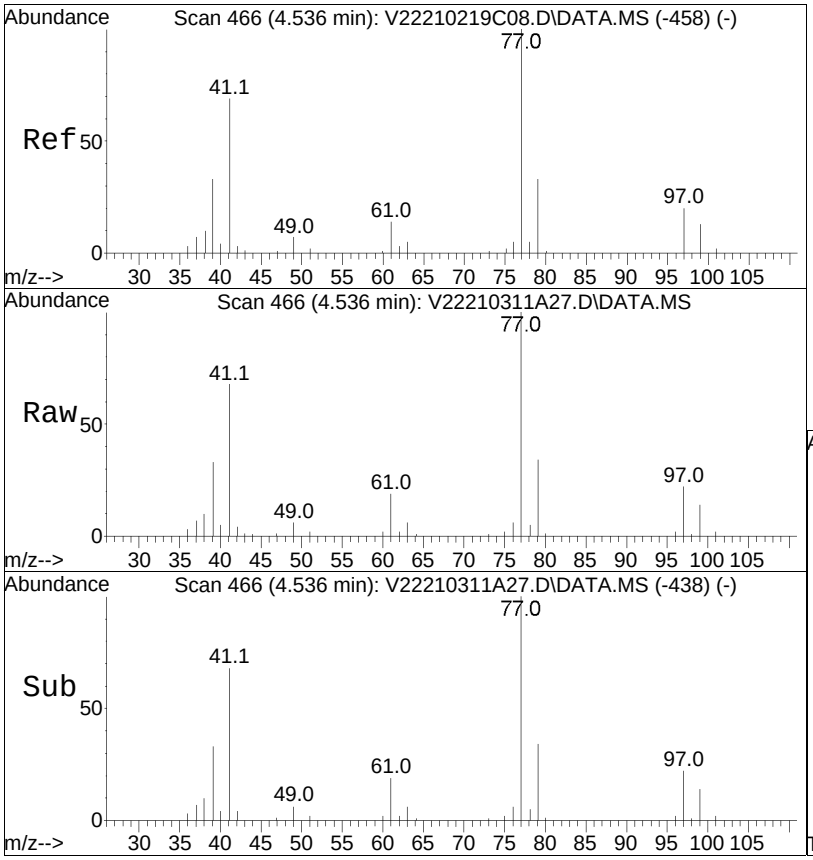


#30
cis-1,2-Dichloroethene
Concen: 11.05 ug/L
RT: 4.431 min Scan# 451
Delta R.T. 0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 96 Resp: 69253

Ion	Ratio	Lower	Upper
96	100		
61	138.8	90.3	135.5#
98	63.0	50.8	76.2

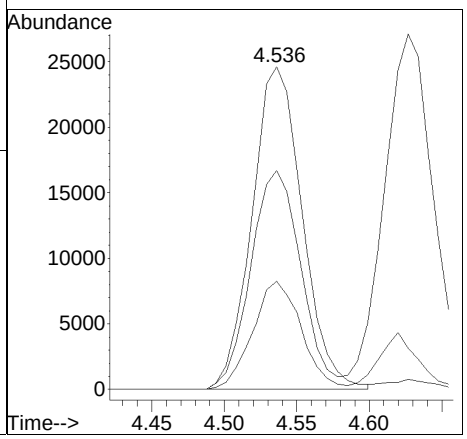


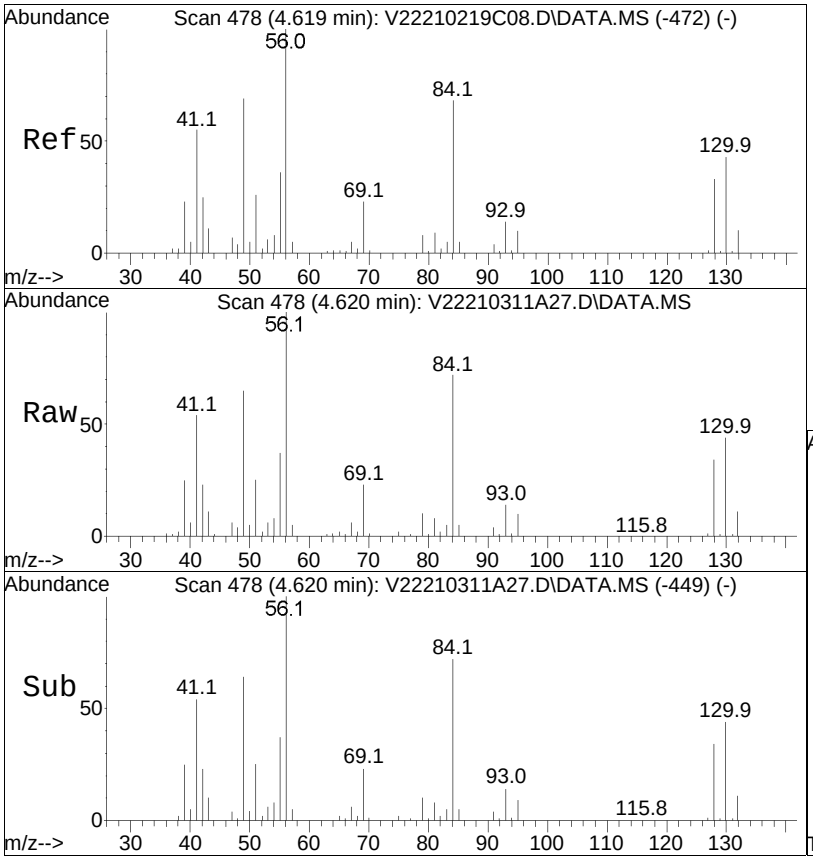


#31
2,2-Dichloropropane
Concen: 9.17 ug/L
RT: 4.536 min Scan# 466
Delta R.T. -0.002 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 77 Resp: 59364

Ion	Ratio	Lower	Upper
77	100		
41	67.5	32.3	67.1#
79	32.5	21.1	43.7

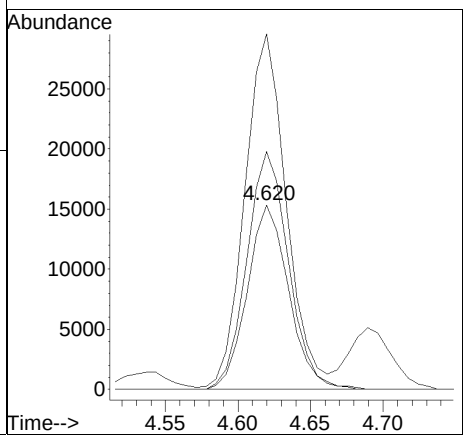


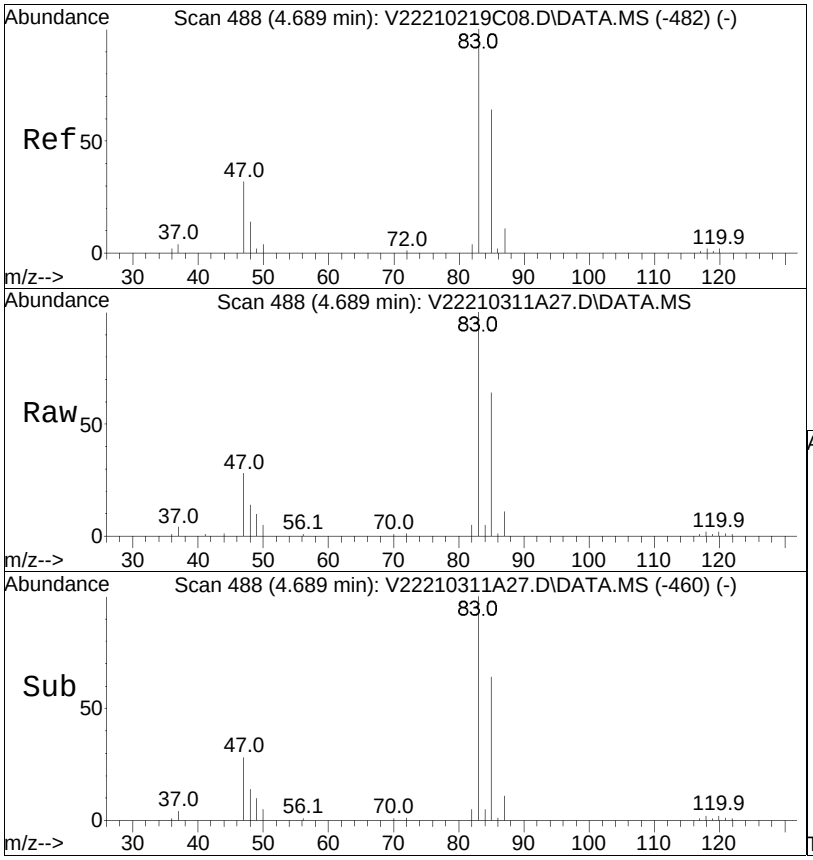


#32
Bromochloromethane
Concen: 11.50 ug/L
RT: 4.620 min Scan# 478
Delta R.T. 0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:128 Resp: 30471

Ion	Ratio	Lower	Upper
128	100		
49	193.0	104.4	156.6#
130	129.9	103.9	155.9

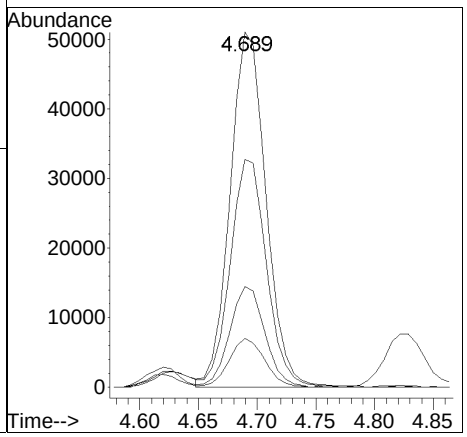


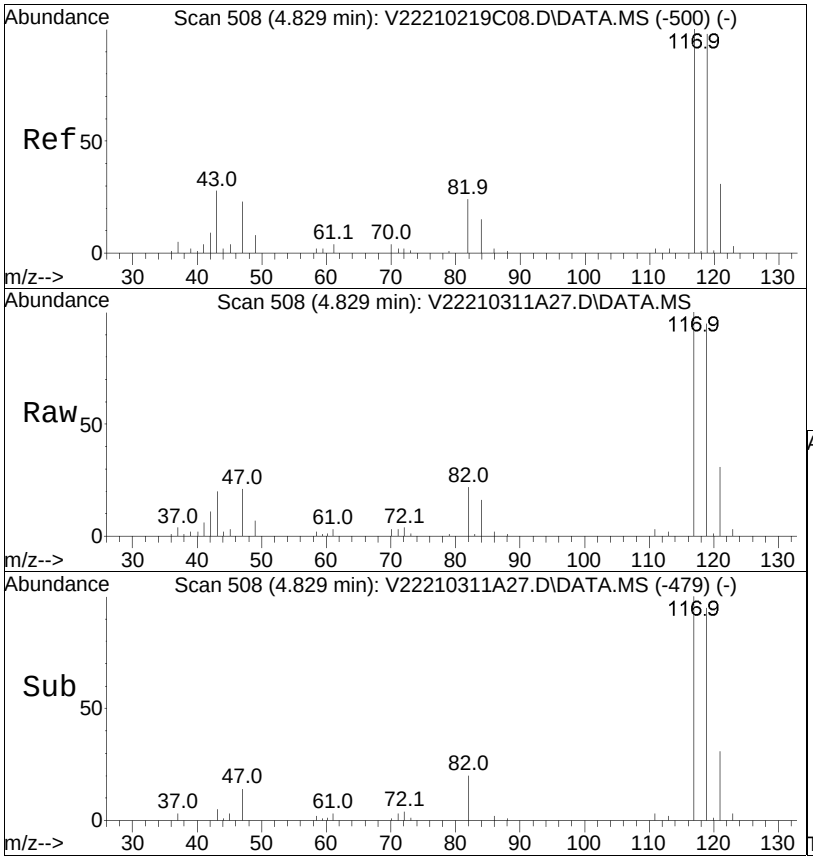


#34
Chloroform
Concen: 10.84 ug/L
RT: 4.689 min Scan# 488
Delta R.T. -0.004 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 83 Resp: 108928

Ion	Ratio	Lower	Upper
83	100		
85	64.5	42.4	88.2
47	27.9	14.0	29.0
48	13.7	6.9	14.3

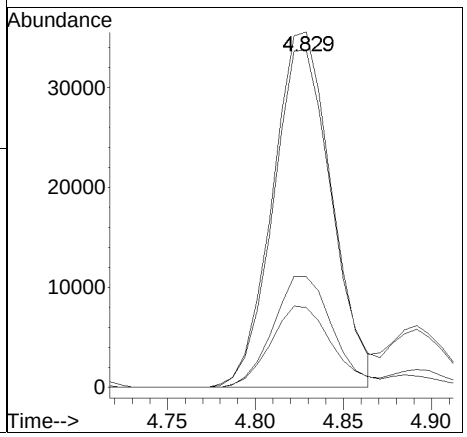


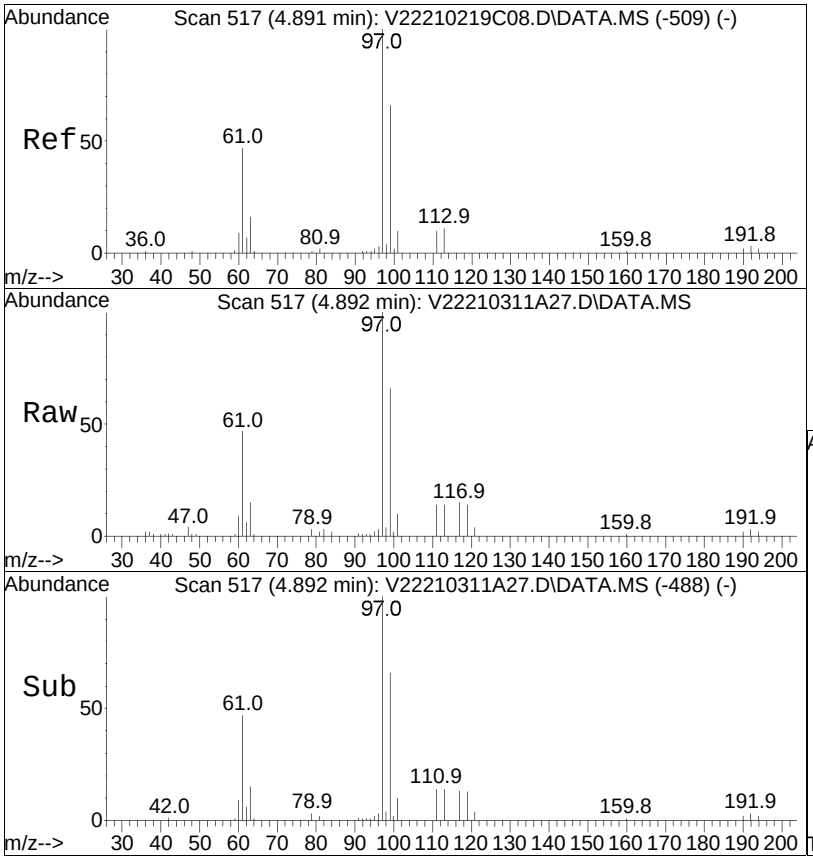


#36
Carbon tetrachloride
Concen: 10.45 ug/L
RT: 4.829 min Scan# 508
Delta R.T. 0.003 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:117 Resp: 83184

Ion	Ratio	Lower	Upper
117	100		
119	96.1	62.1	129.1
121	31.6	20.3	42.3
82	24.0	15.4	32.0

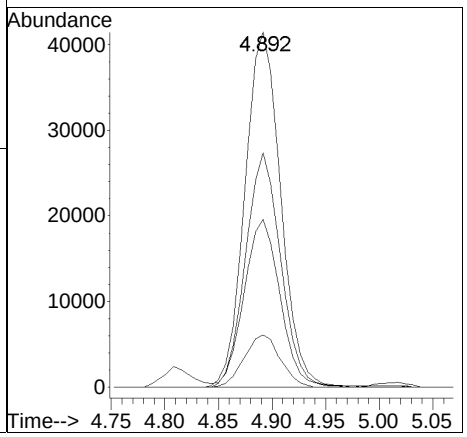


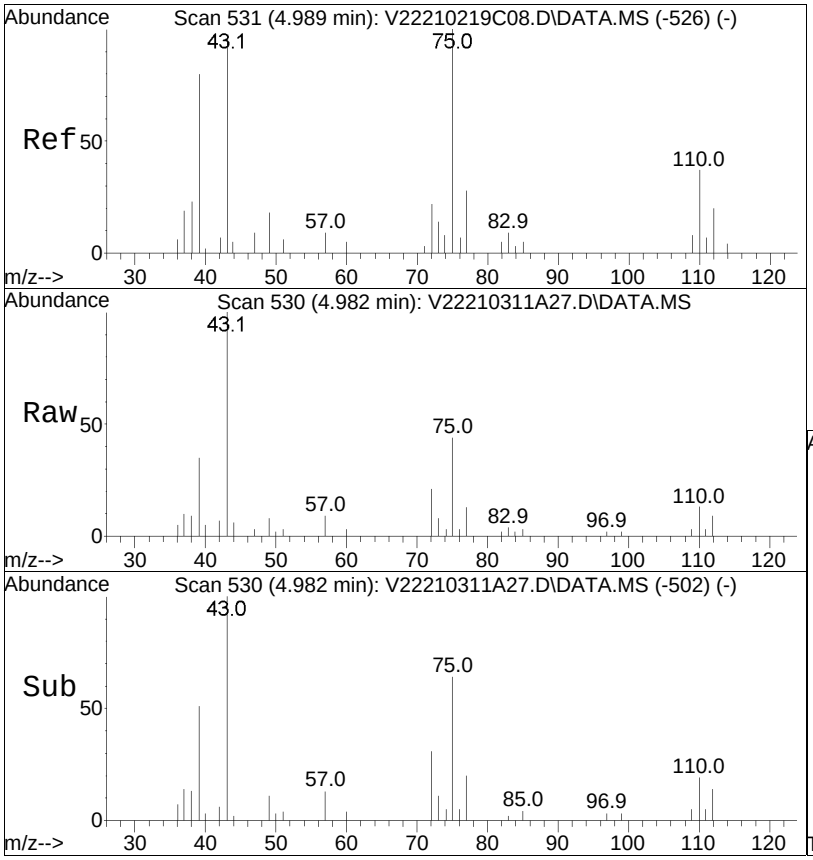


#39
1,1,1-Trichloroethane
Concen: 11.04 ug/L
RT: 4.892 min Scan# 517
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 97 Resp: 96621

Ion	Ratio	Lower	Upper
97	100		
99	64.8	42.4	88.0
61	47.7	26.0	54.0
63	14.9	8.3	17.3

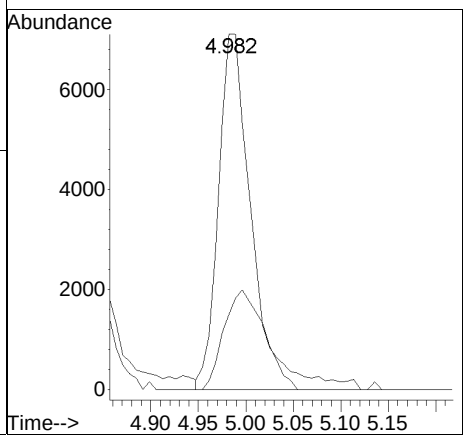


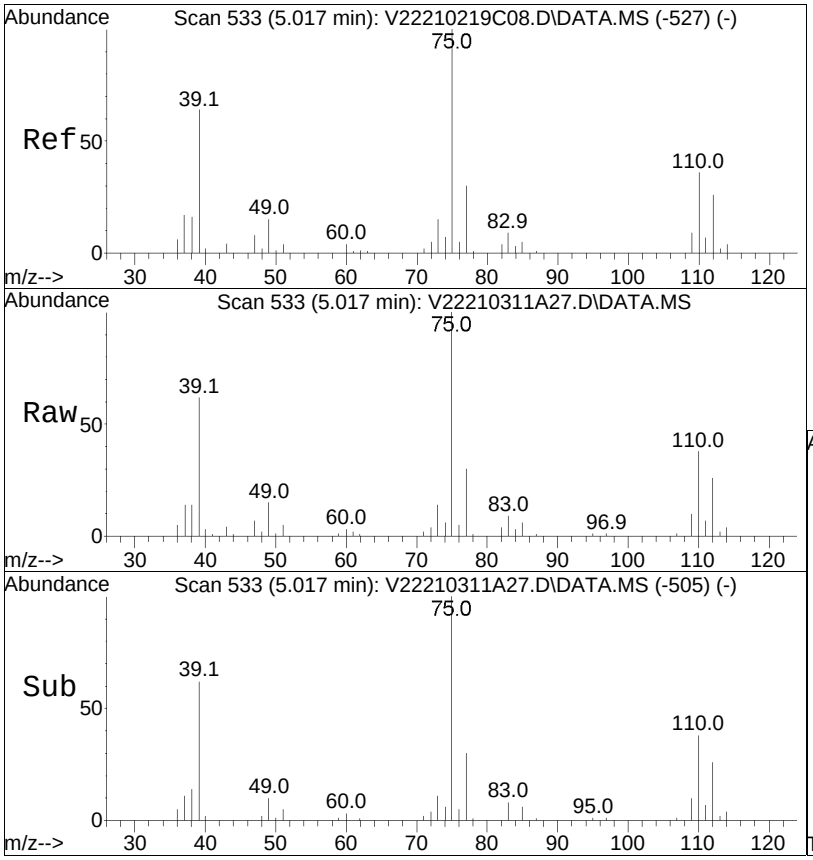


#41
2-Butanone
Concen: 10.48 ug/L
RT: 4.982 min Scan# 530
Delta R.T. -0.006 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 43 Resp: 16437

Ion	Ratio	Lower	Upper
43	100		
72	31.2	45.8	68.8#

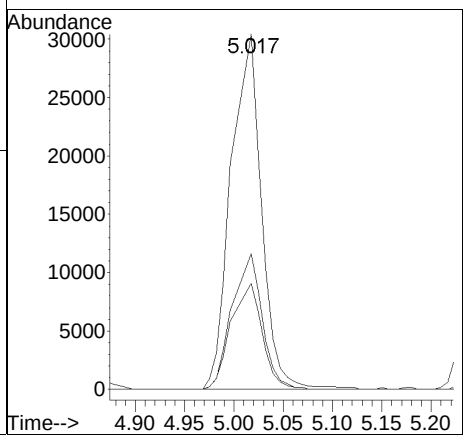


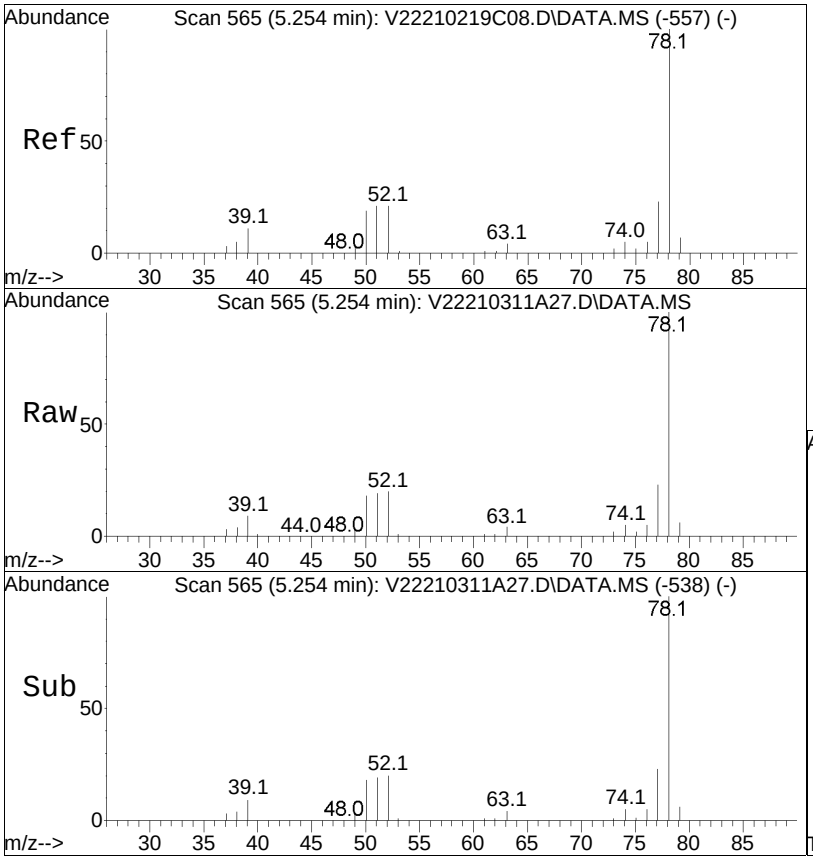


#42
1,1-Dichloropropene
Concen: 10.25 ug/L
RT: 5.017 min Scan# 533
Delta R.T. 0.007 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 75 Resp: 48869

Ion	Ratio	Lower	Upper
75	100		
110	39.0	25.4	52.8
77	31.7	20.3	42.1

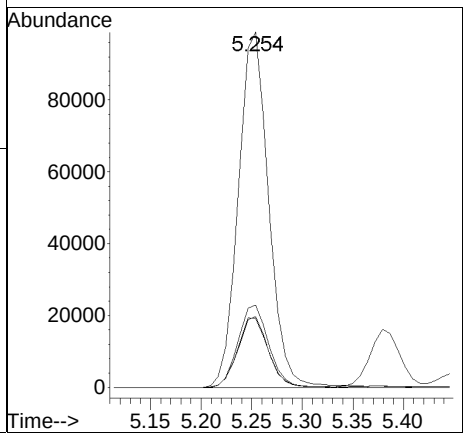


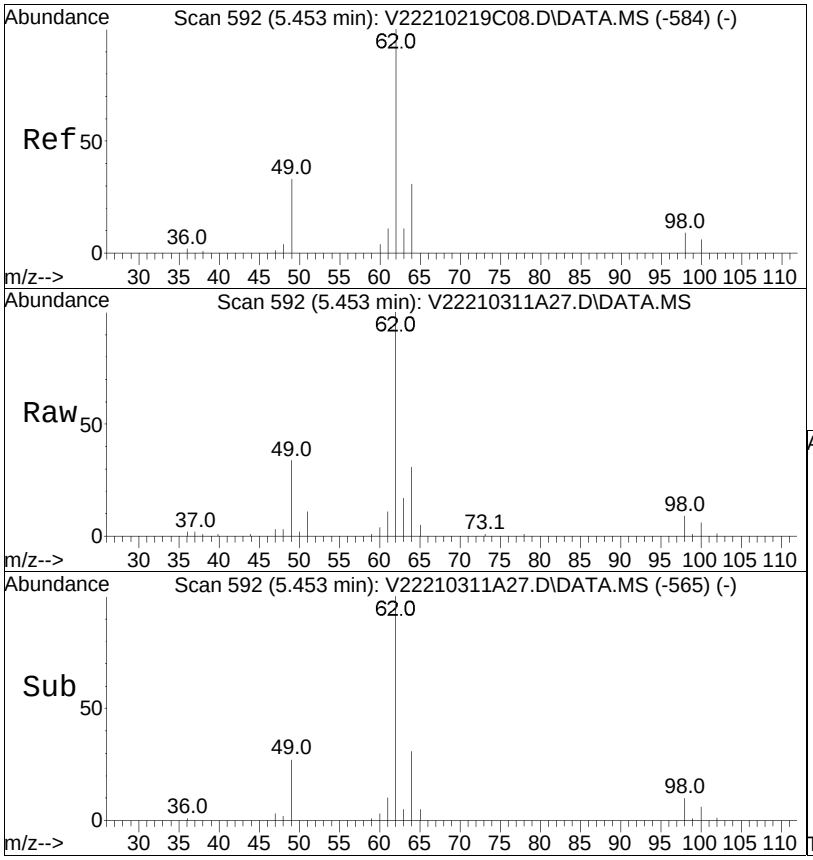


#44
Benzene
Concen: 10.57 ug/L
RT: 5.254 min Scan# 565
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 78 Resp: 206544

Ion	Ratio	Lower	Upper
78	100		
77	23.5	15.4	32.0
51	20.0	9.8	20.4
52	19.8	9.2	19.2#

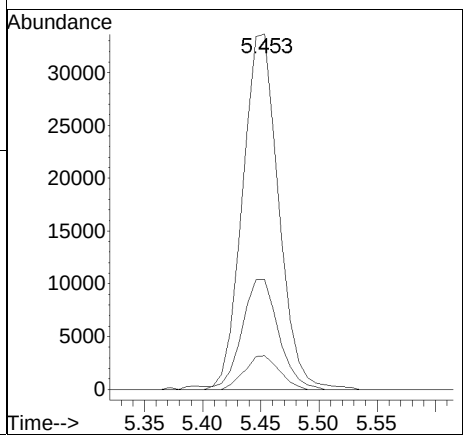


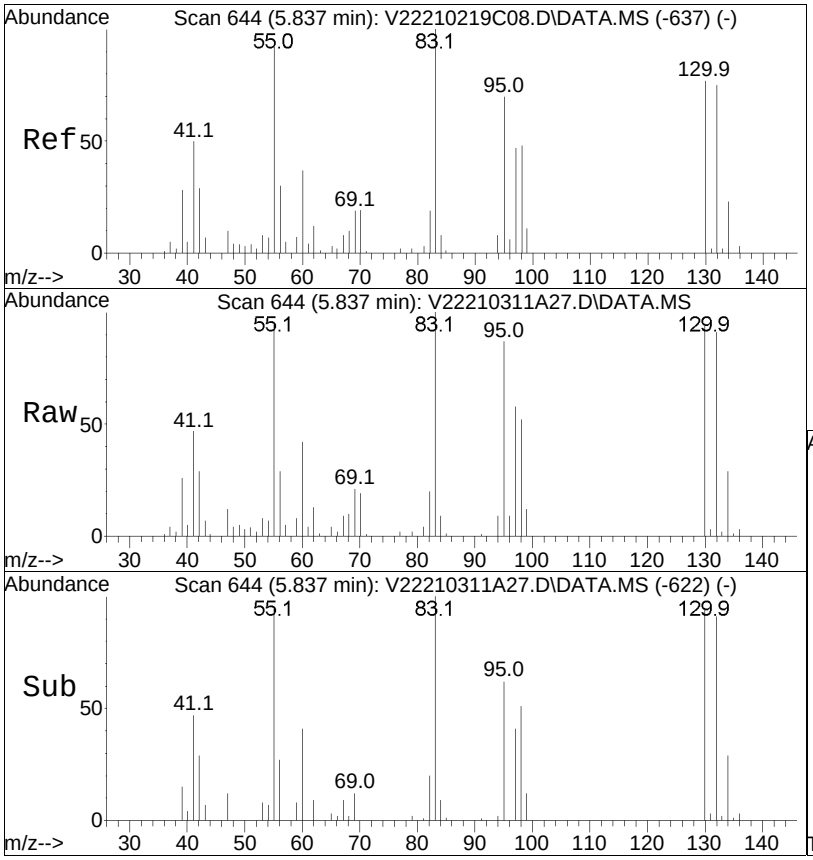


#47
1,2-Dichloroethane
Concen: 10.14 ug/L
RT: 5.453 min Scan# 592
Delta R.T. 0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 62 Resp: 72472

Ion	Ratio	Lower	Upper
62	100		
64	32.0	12.3	52.3
98	9.1	0.0	30.3

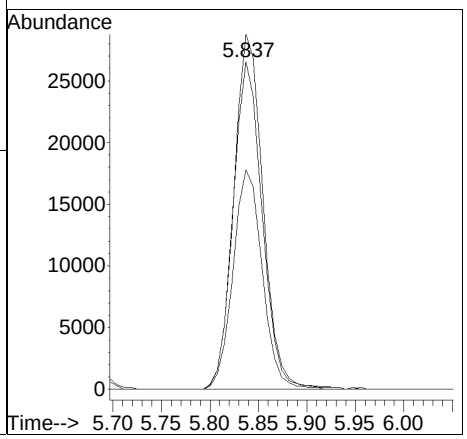


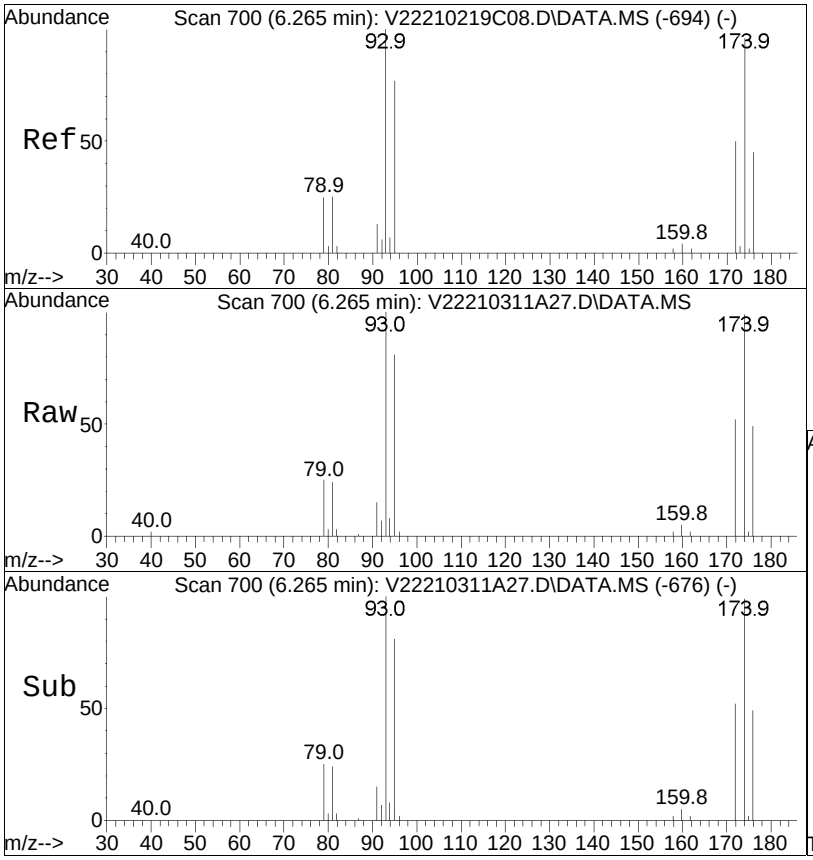


#51
Trichloroethene
Concen: 10.68 ug/L
RT: 5.837 min Scan# 644
Delta R.T. 0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 95 Resp: 55743

Ion	Ratio	Lower	Upper
95	100		
97	67.2	55.0	82.4
130	108.7	89.2	133.8

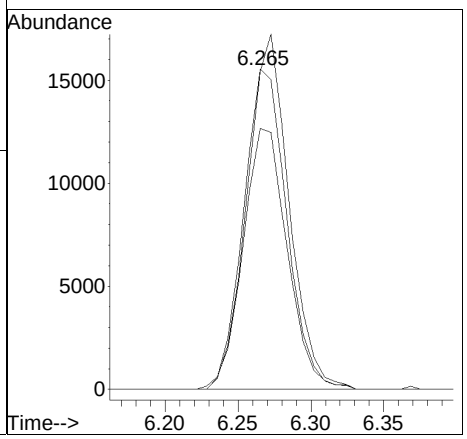


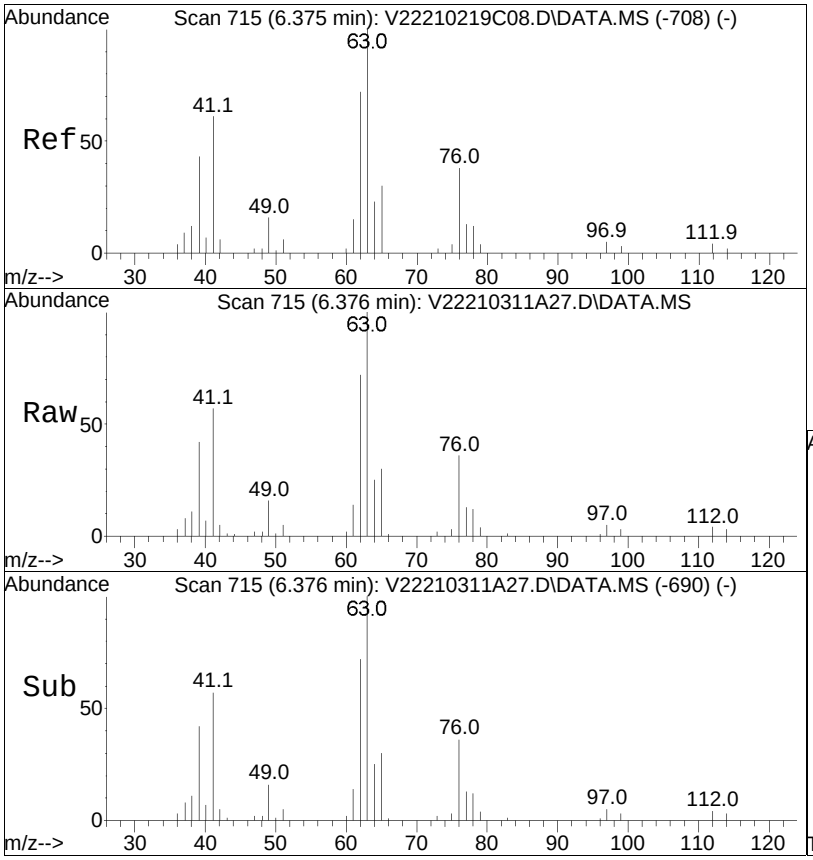


#53
Dibromomethane
Concen: 10.44 ug/L
RT: 6.265 min Scan# 700
Delta R.T. -0.008 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 93 Resp: 32112

Ion	Ratio	Lower	Upper
93	100		
95	83.6	68.0	102.0
174	107.8	106.1	159.1

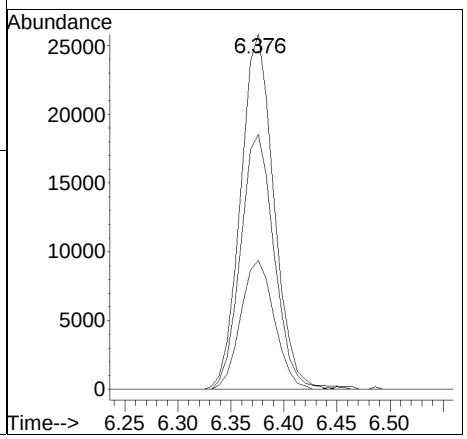


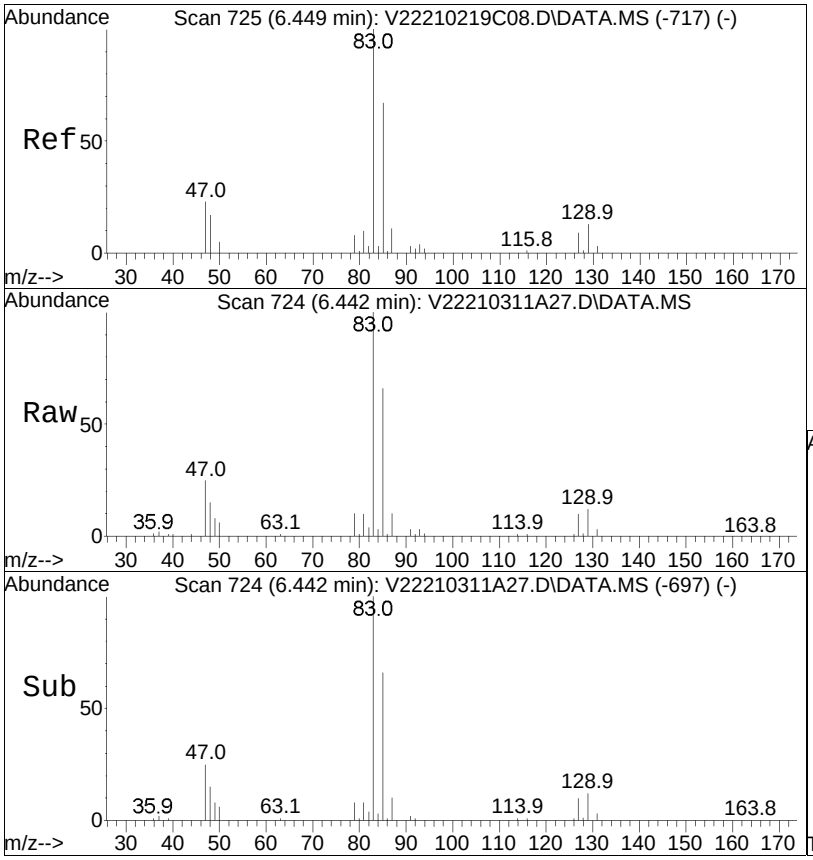


#54
1,2-Dichloropropane
Concen: 10.16 ug/L
RT: 6.376 min Scan# 715
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 63 Resp: 56857

Ion	Ratio	Lower	Upper
63	100		
62	71.9	56.9	85.3
76	36.5	35.8	53.8

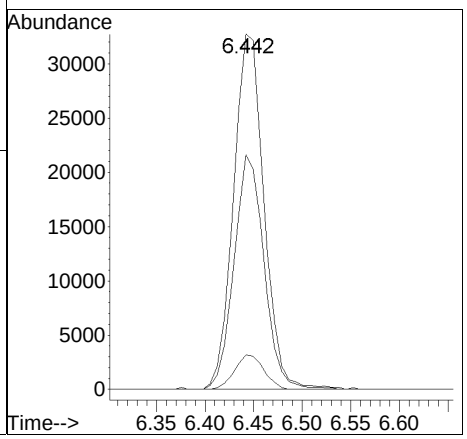


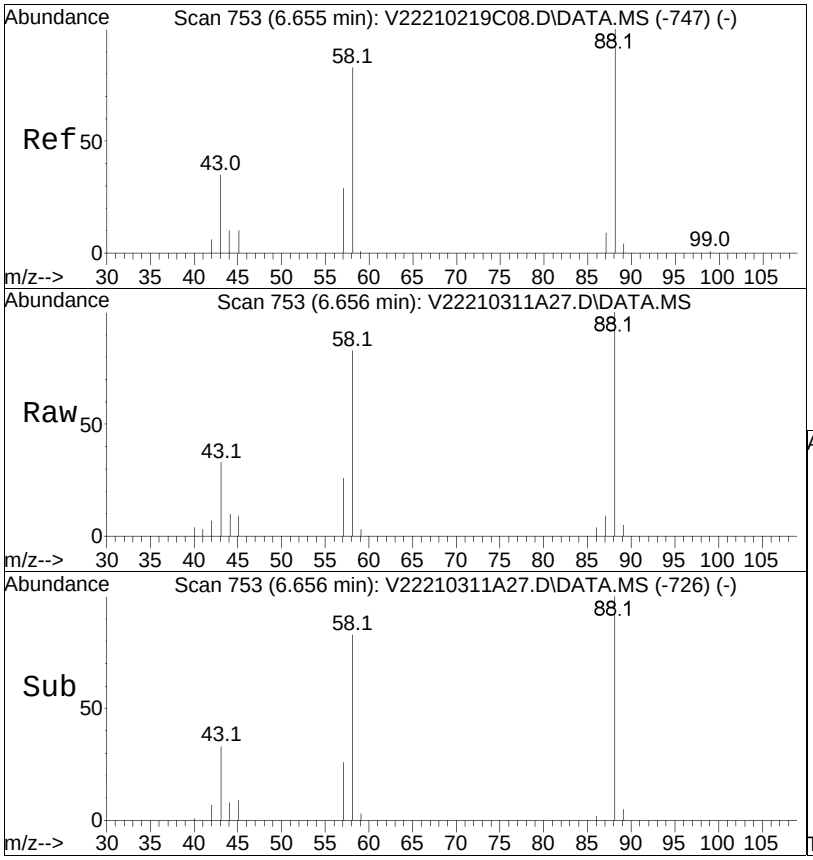


#57
Bromodichloromethane
Concen: 10.34 ug/L
RT: 6.442 min Scan# 724
Delta R.T. 0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 83 Resp: 71542

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4
127	9.3	7.4	11.0

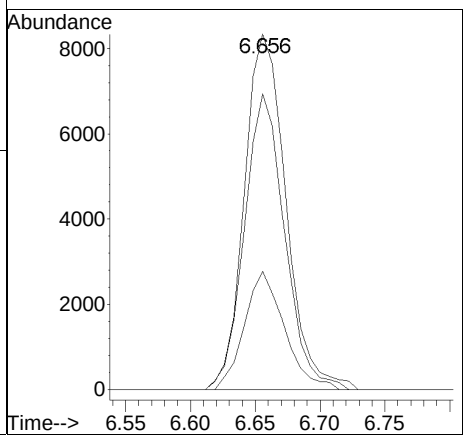


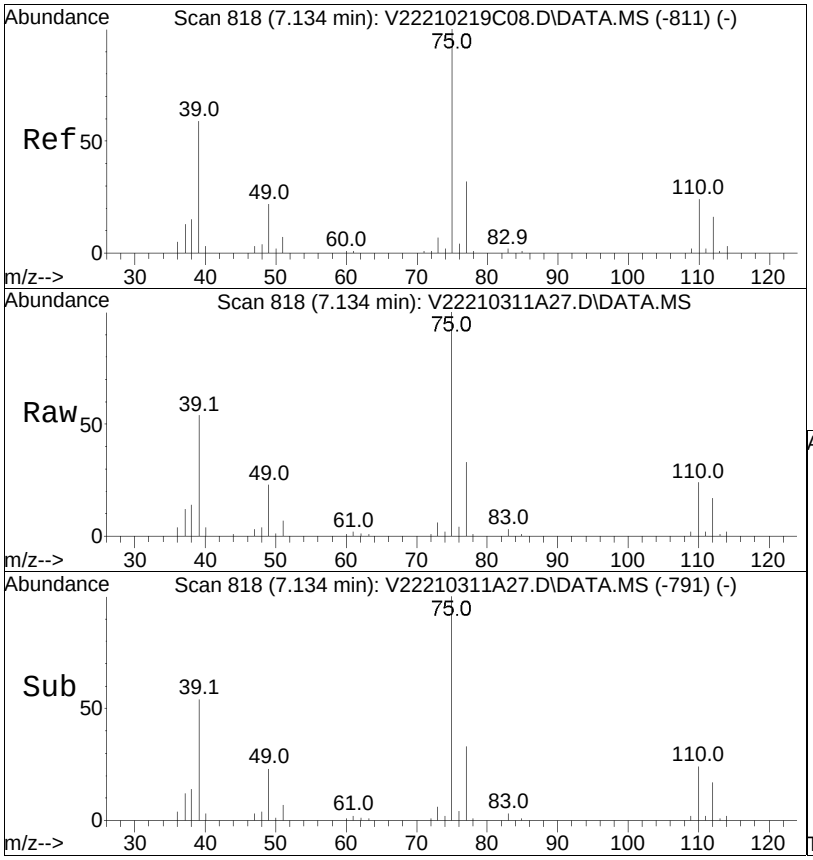


#60
1,4-Dioxane
Concen: 538.71 ug/L
RT: 6.656 min Scan# 753
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 88 Resp: 18650

Ion	Ratio	Lower	Upper
88	100		
58	80.5	43.3	64.9#
43	31.9	15.1	22.7#

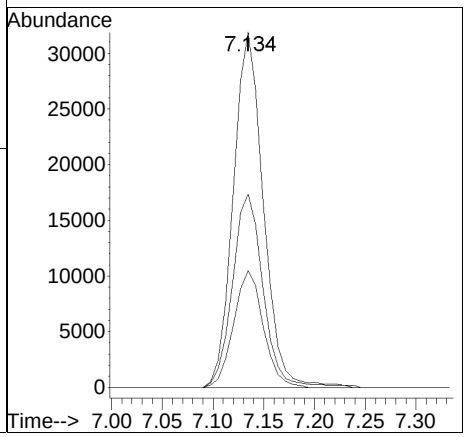


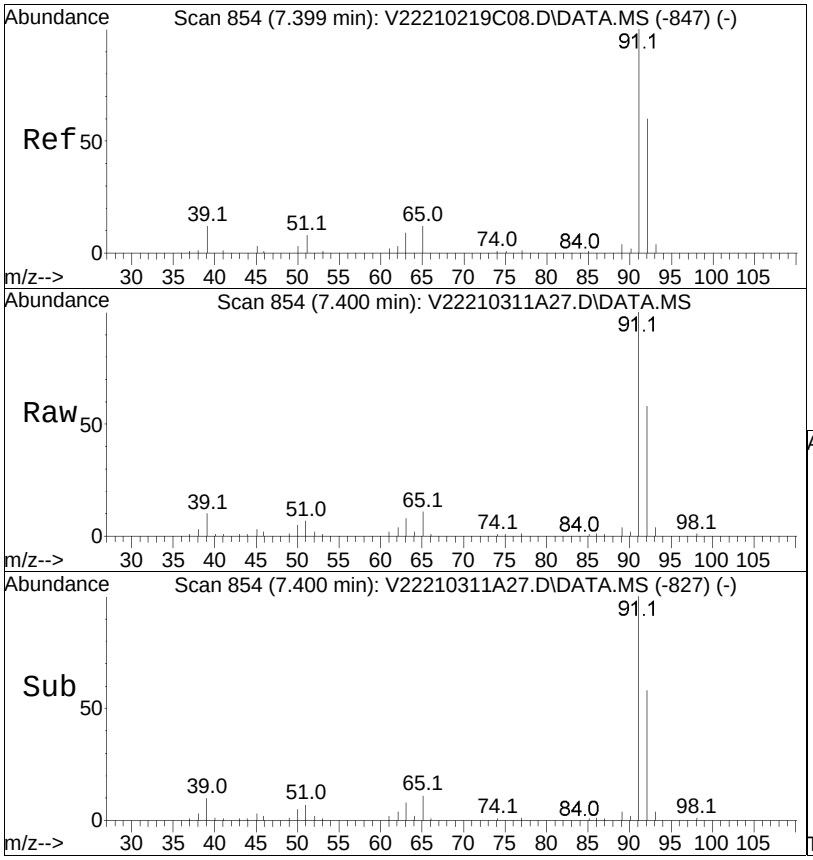


#61
cis-1,3-Dichloropropene
Concen: 8.01 ug/L
RT: 7.134 min Scan# 818
Delta R.T. -0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 75 Resp: 65683

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.6	38.4
39	55.3	35.4	53.0#

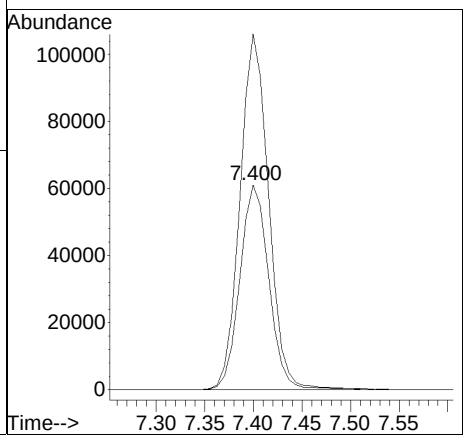


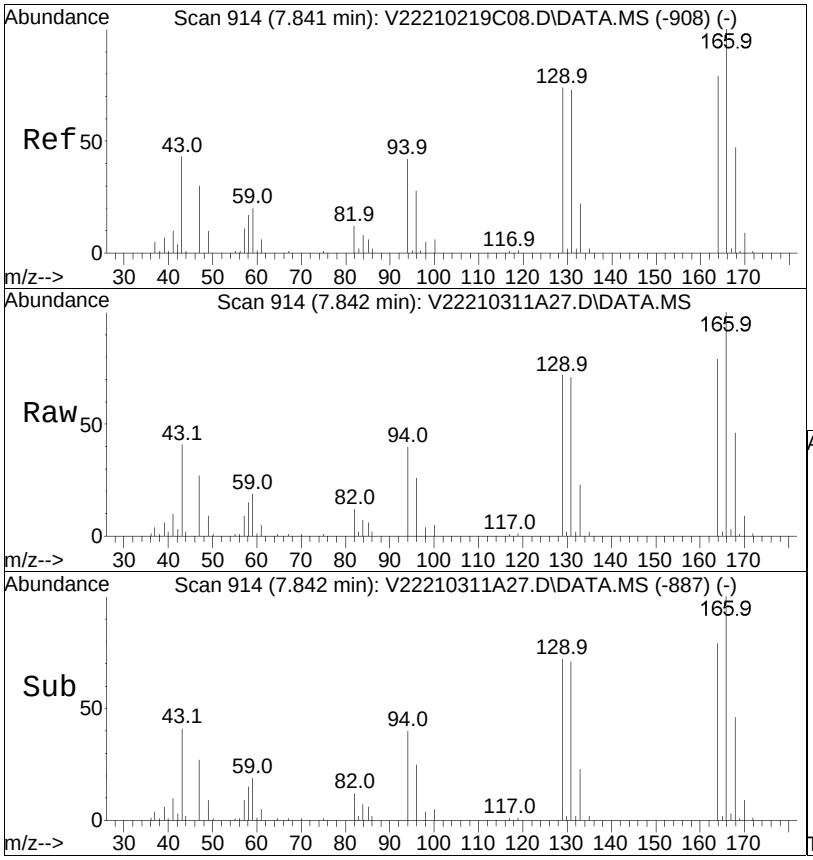


#64
Toluene
Concen: 9.68 ug/L
RT: 7.400 min Scan# 854
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 92 Resp: 125974

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.0	205.6

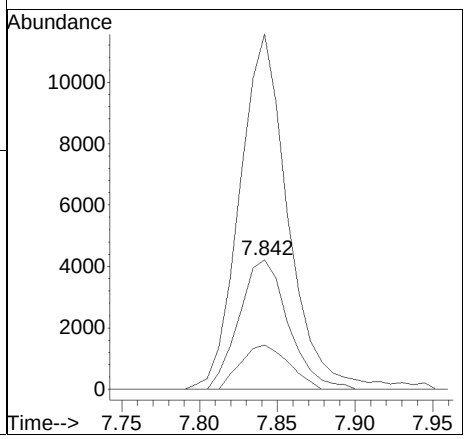


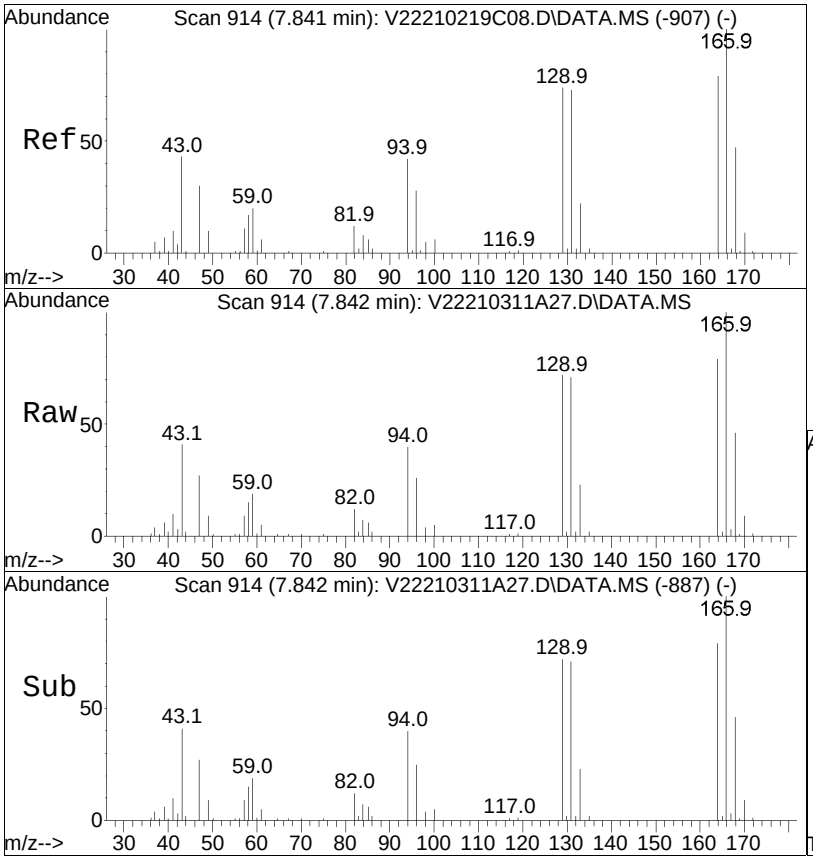


#65
4-Methyl-2-pentanone
Concen: 7.05 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 58 Resp: 9301

Ion	Ratio	Lower	Upper
58	100		
100	33.6	36.2	54.4#
43	272.7	181.8	272.8

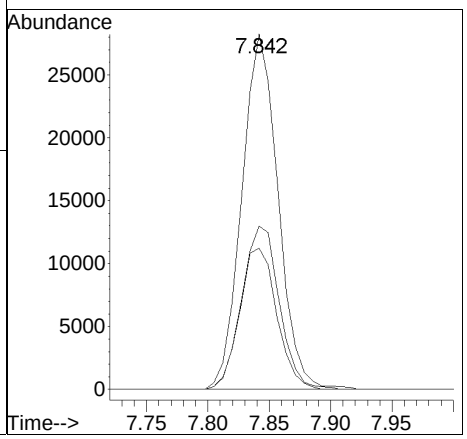


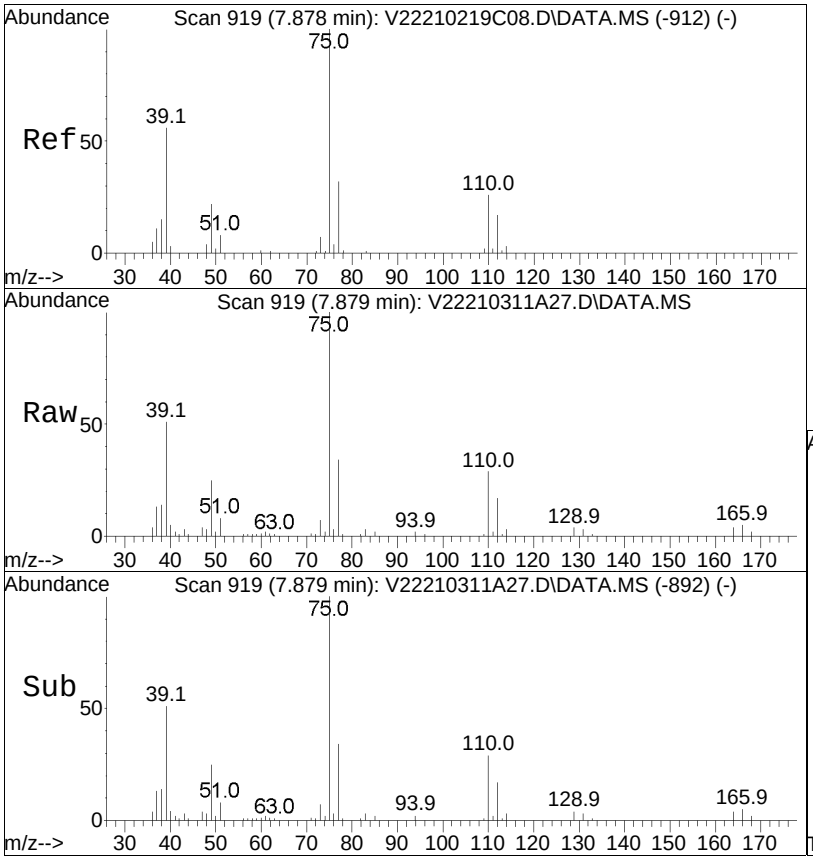


#66
Tetrachloroethene
Concen: 9.16 ug/L
RT: 7.842 min Scan# 914
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:166 Resp: 58054

Ion	Ratio	Lower	Upper
166	100		
168	47.5	27.8	67.8
94	40.7	16.7	56.7

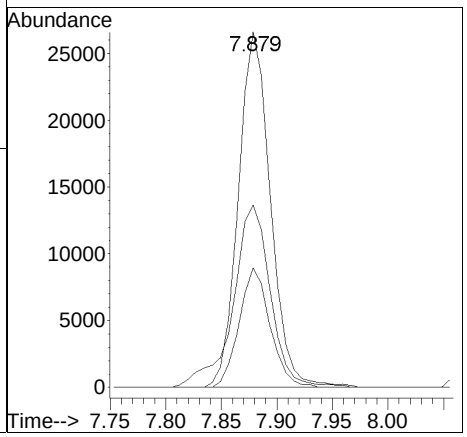


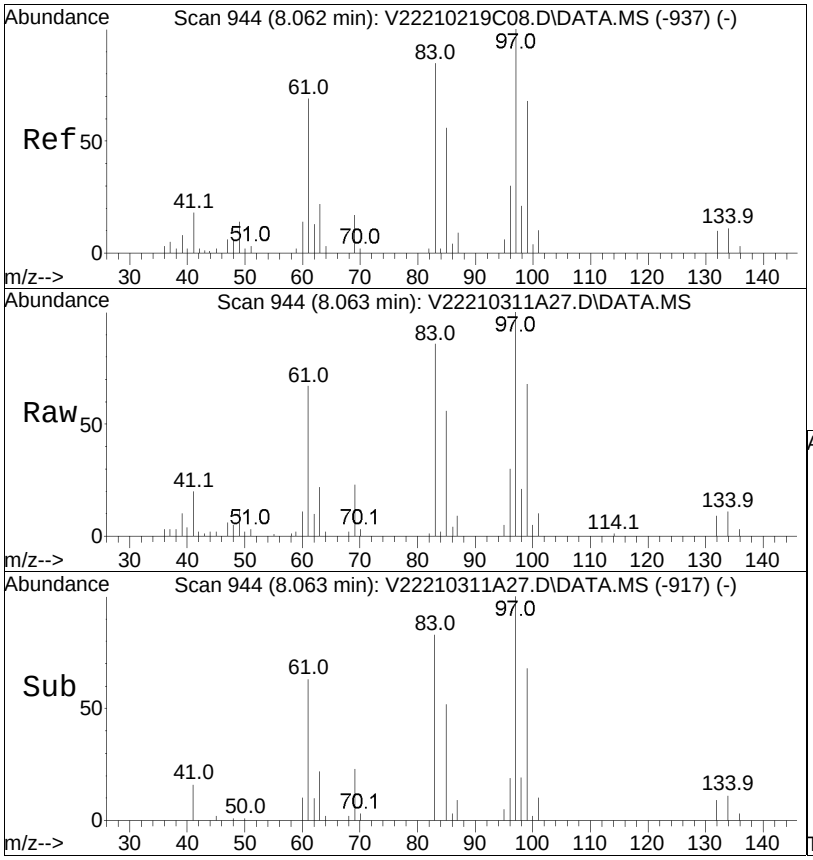


#68
trans-1,3-Dichloropropene
Concen: 8.22 ug/L
RT: 7.879 min Scan# 919
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 75 Resp: 53520

Ion	Ratio	Lower	Upper
75	100		
77	32.4	11.9	51.9
39	59.8	27.4	67.4

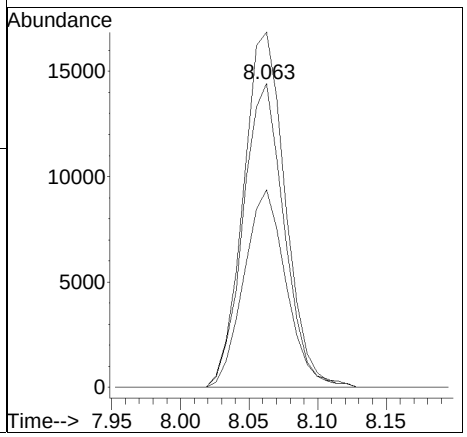


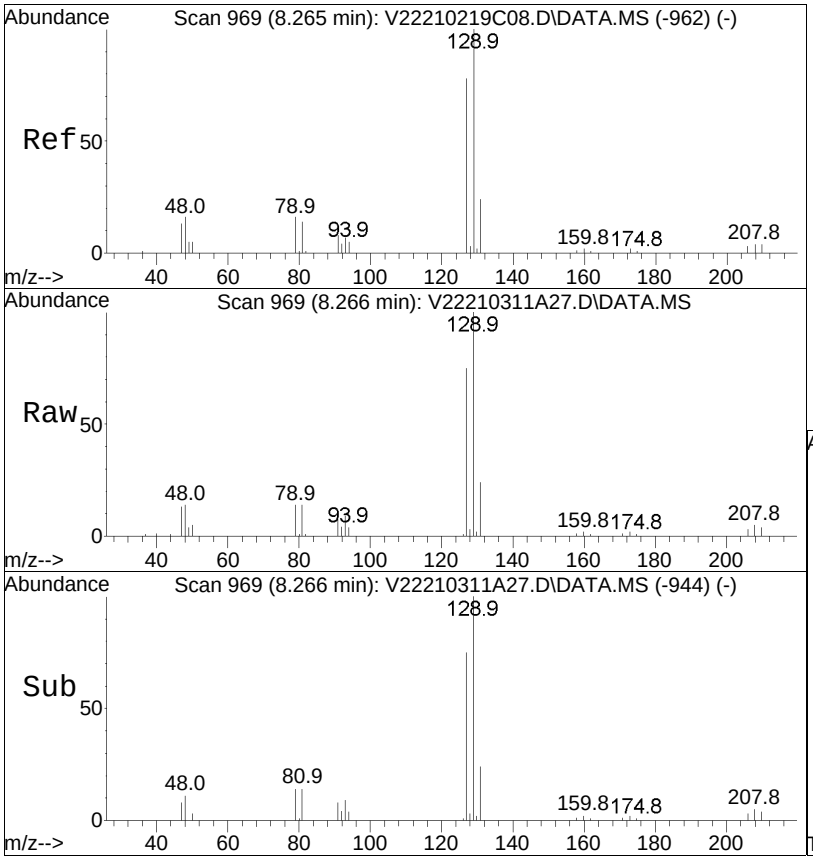


#71
1,1,2-Trichloroethane
Concen: 8.81 ug/L
RT: 8.063 min Scan# 944
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 83 Resp: 30134

Ion	Ratio	Lower	Upper
83	100		
97	119.3	103.4	143.4
85	66.9	47.9	87.9

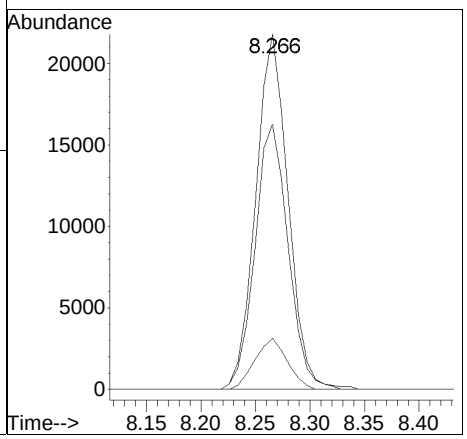


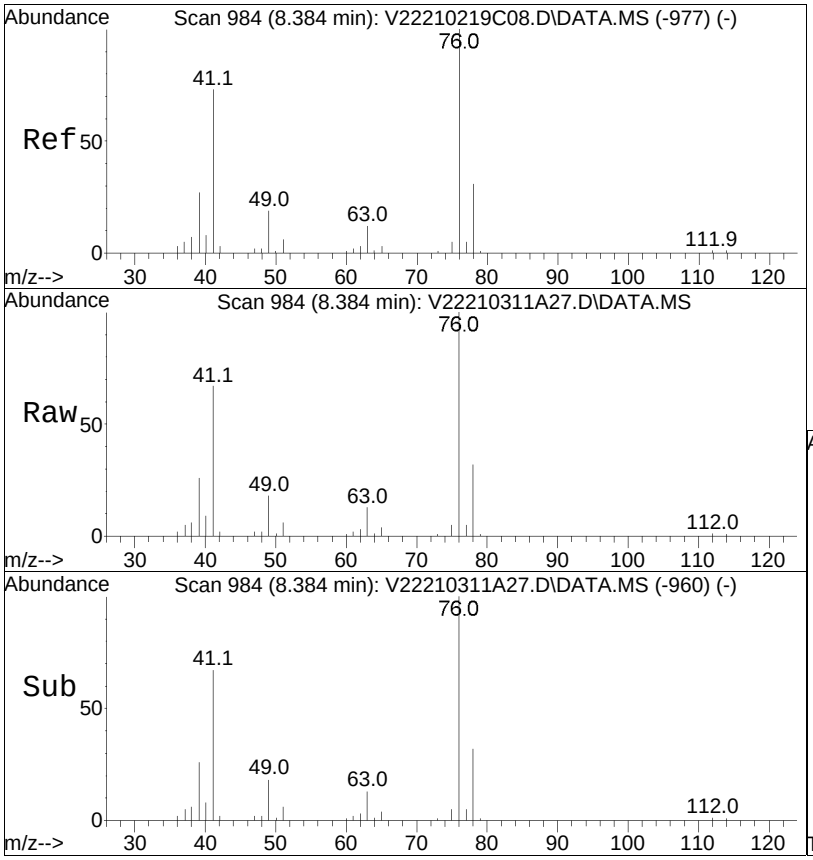


#72
Chlorodibromomethane
Concen: 8.56 ug/L
RT: 8.266 min Scan# 969
Delta R.T. 0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:129 Resp: 49589

Ion	Ratio	Lower	Upper
129	100		
81	13.1	0.0	33.8
127	77.3	57.1	97.1

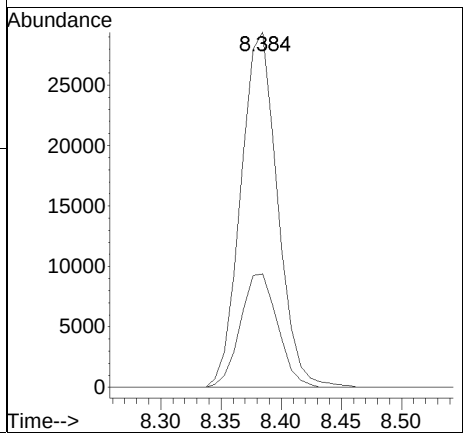


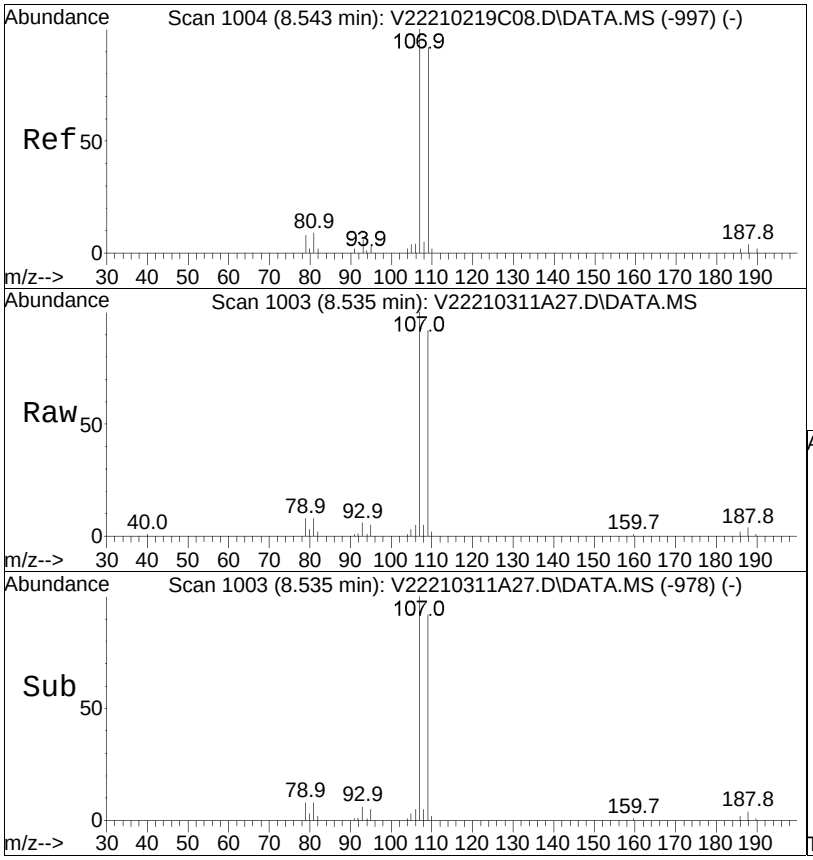


#73
1,3-Dichloropropane
Concen: 9.90 ug/L
RT: 8.384 min Scan# 984
Delta R.T. 0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 76 Resp: 62355

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

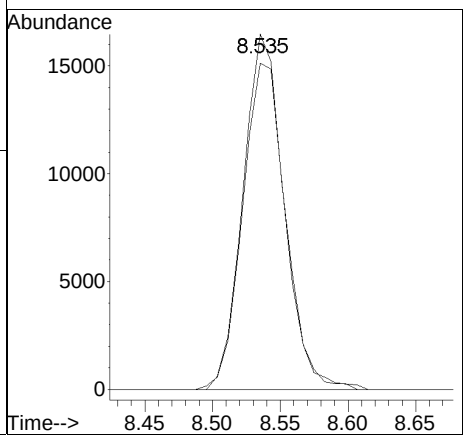


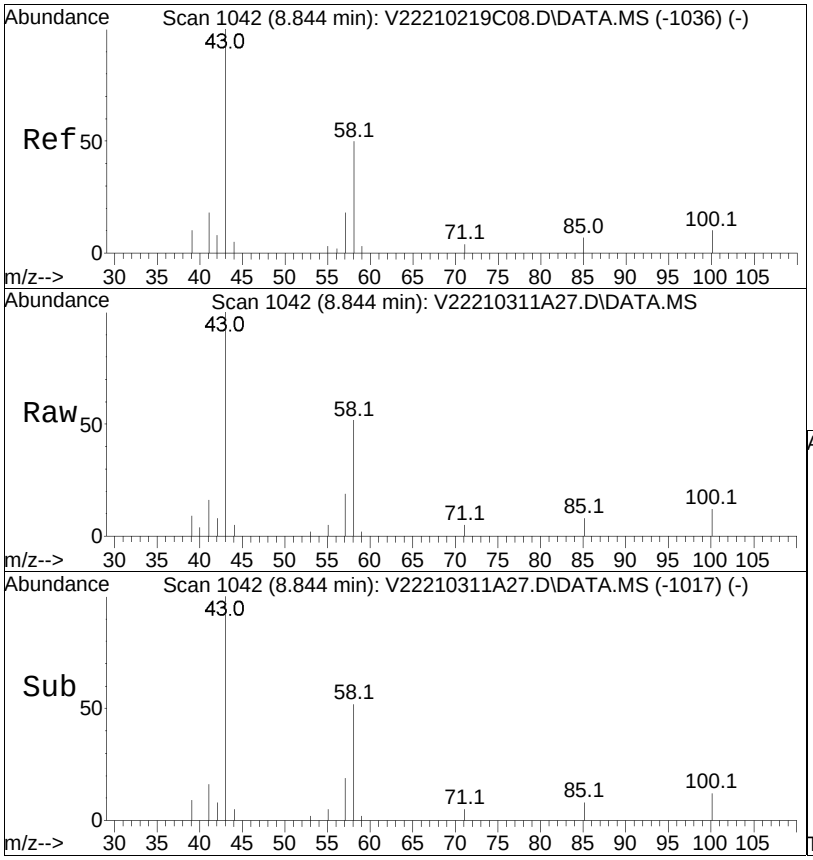


#74
1,2-Dibromoethane
Concen: 8.59 ug/L
RT: 8.535 min Scan# 1003
Delta R.T. -0.004 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:107 Resp: 34788

Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.1	112.7

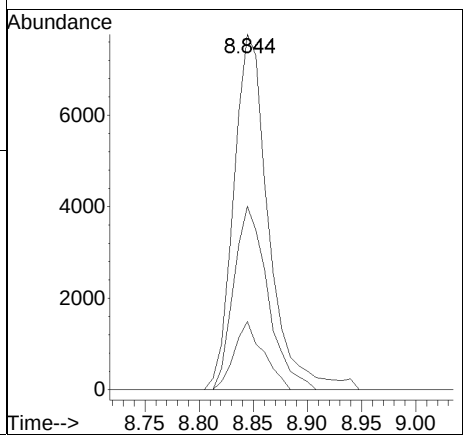


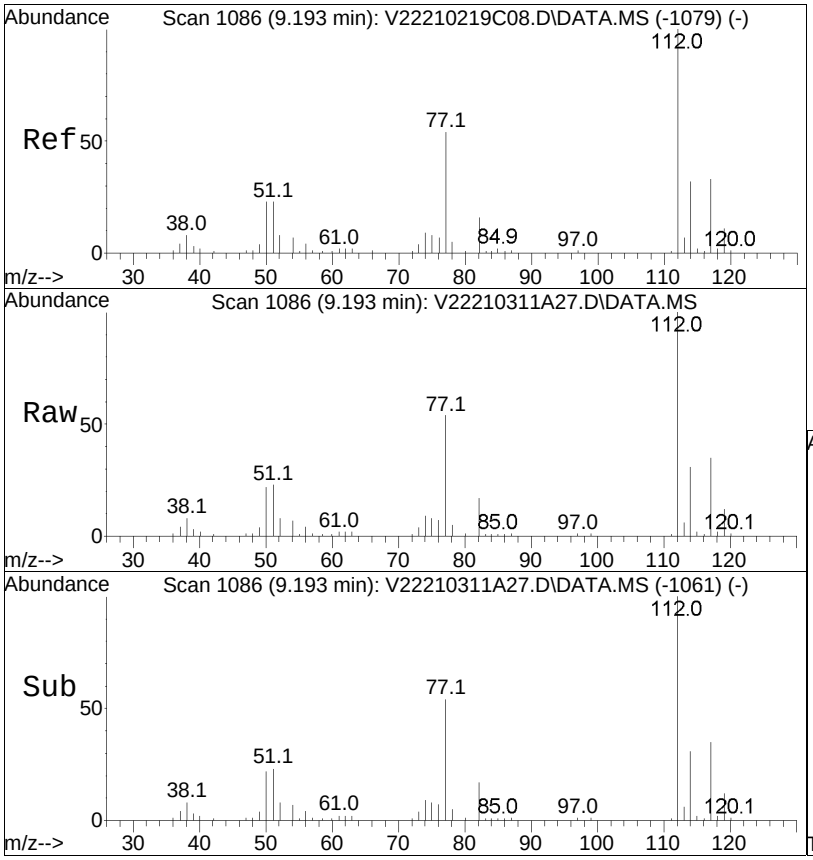


#76
2-Hexanone
Concen: 7.66 ug/L
RT: 8.844 min Scan# 1042
Delta R.T. -0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 43 Resp: 17471

Ion	Ratio	Lower	Upper
43	100		
58	50.2	47.6	71.4
57	15.9	16.6	24.8#

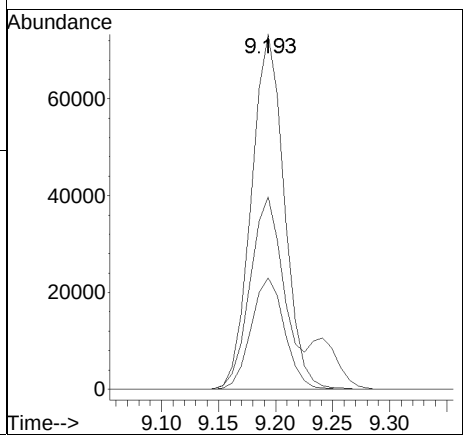


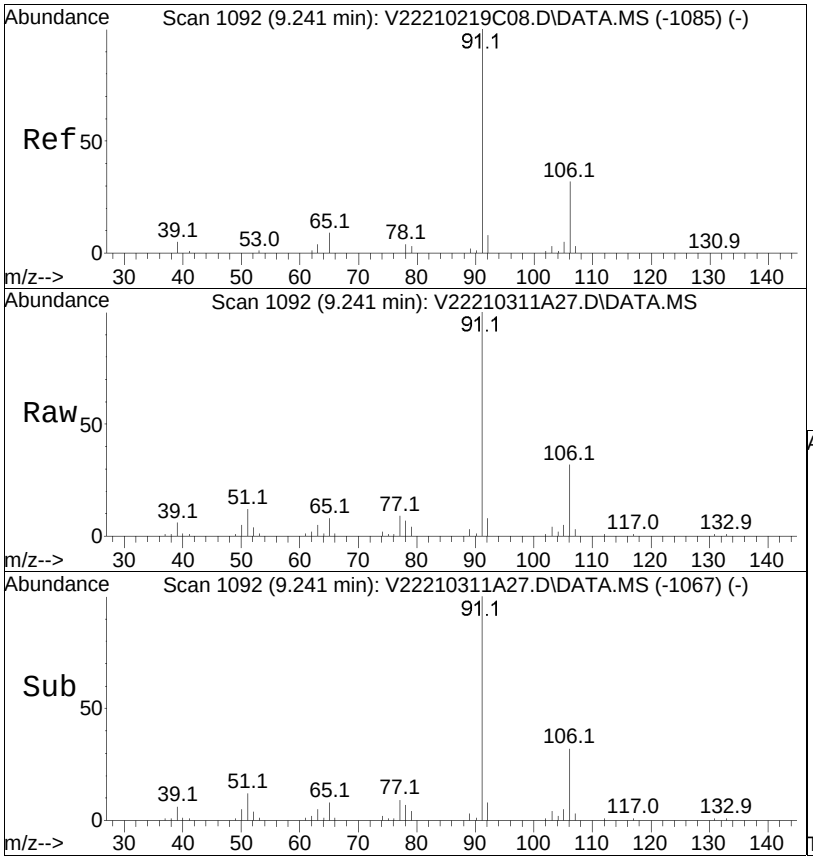


#77
Chlorobenzene
Concen: 9.71 ug/L
RT: 9.193 min Scan# 1086
Delta R.T. -0.004 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:112 Resp: 147511

Ion	Ratio	Lower	Upper
112	100		
77	56.7	55.4	83.0
114	32.0	26.2	39.4

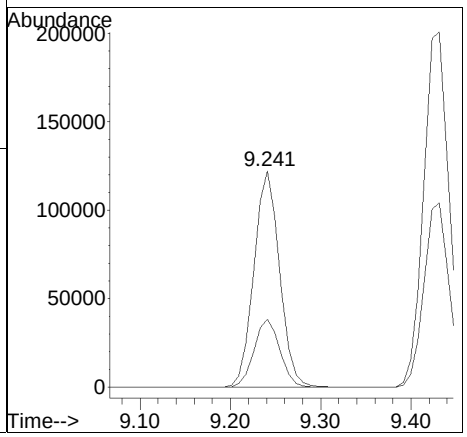


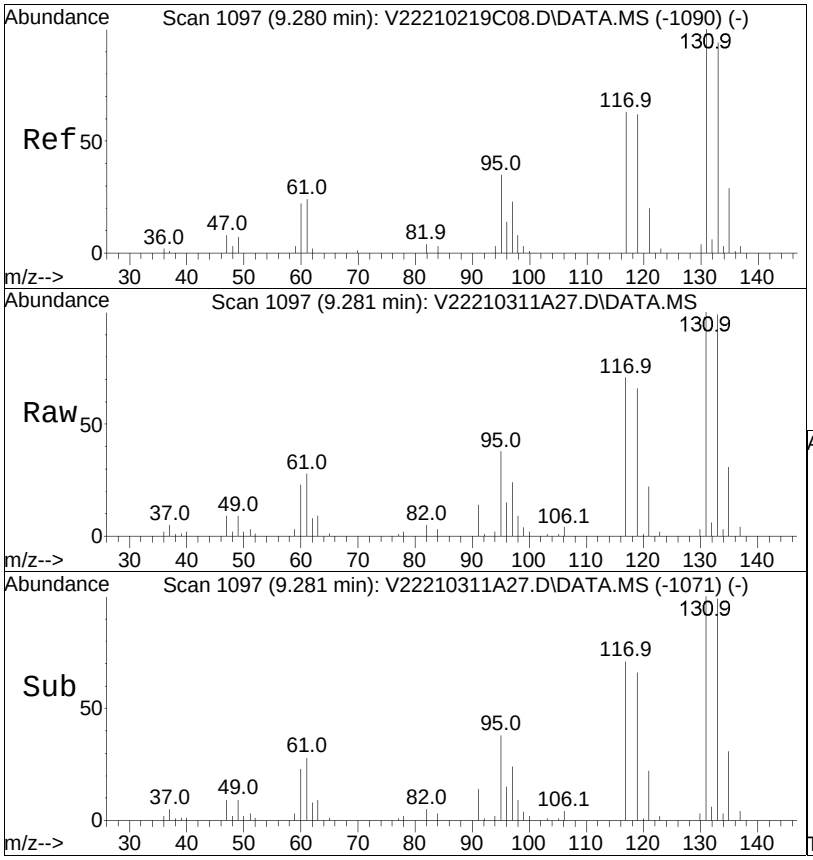


#78
Ethylbenzene
Concen: 9.73 ug/L
RT: 9.241 min Scan# 1092
Delta R.T. -0.003 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 91 Resp: 241596

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.8	38.6

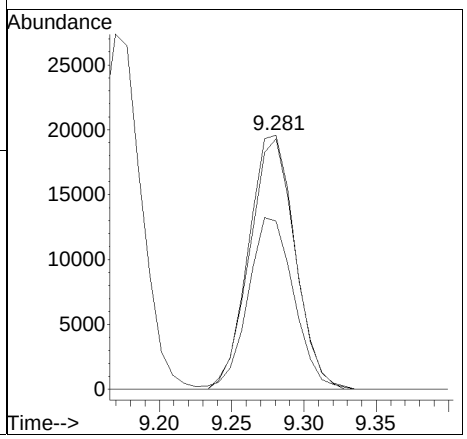


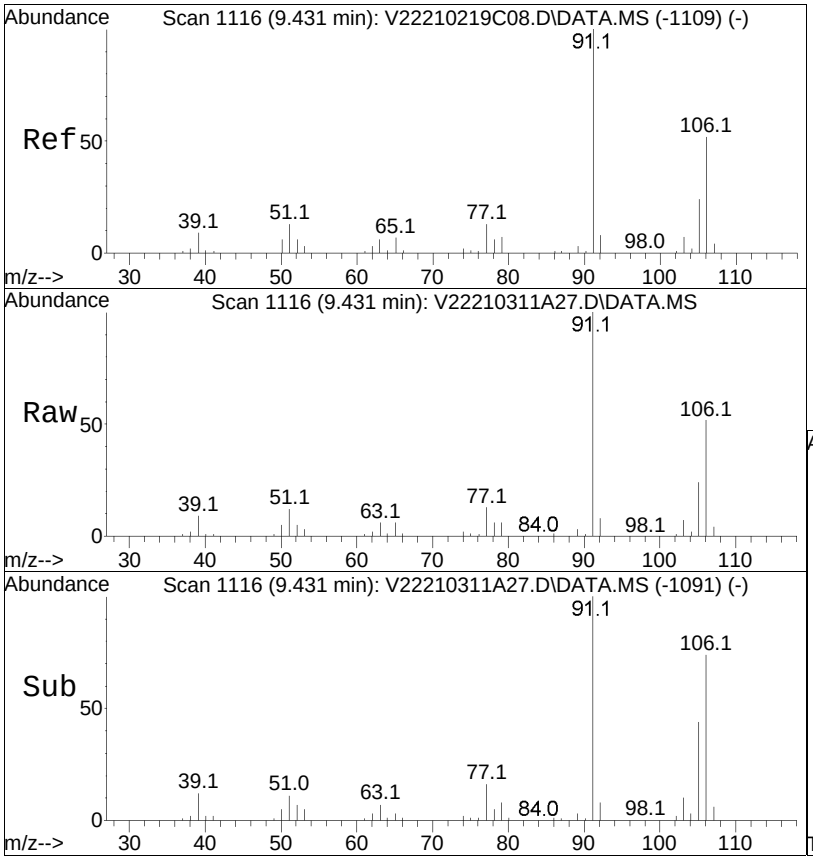


#79
1,1,1,2-Tetrachloroethane
Concen: 8.75 ug/L
RT: 9.281 min Scan# 1097
Delta R.T. 0.005 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:131 Resp: 44107

Ion	Ratio	Lower	Upper
131	100		
133	95.8	75.3	115.3
119	66.3	49.3	89.3

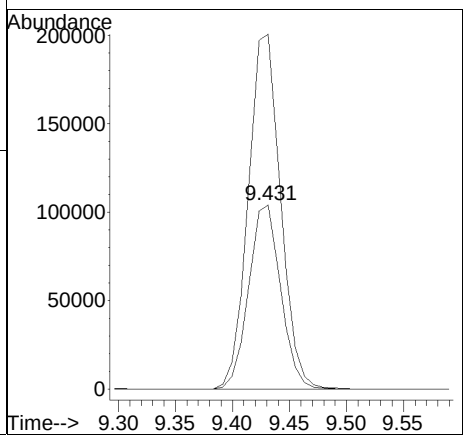


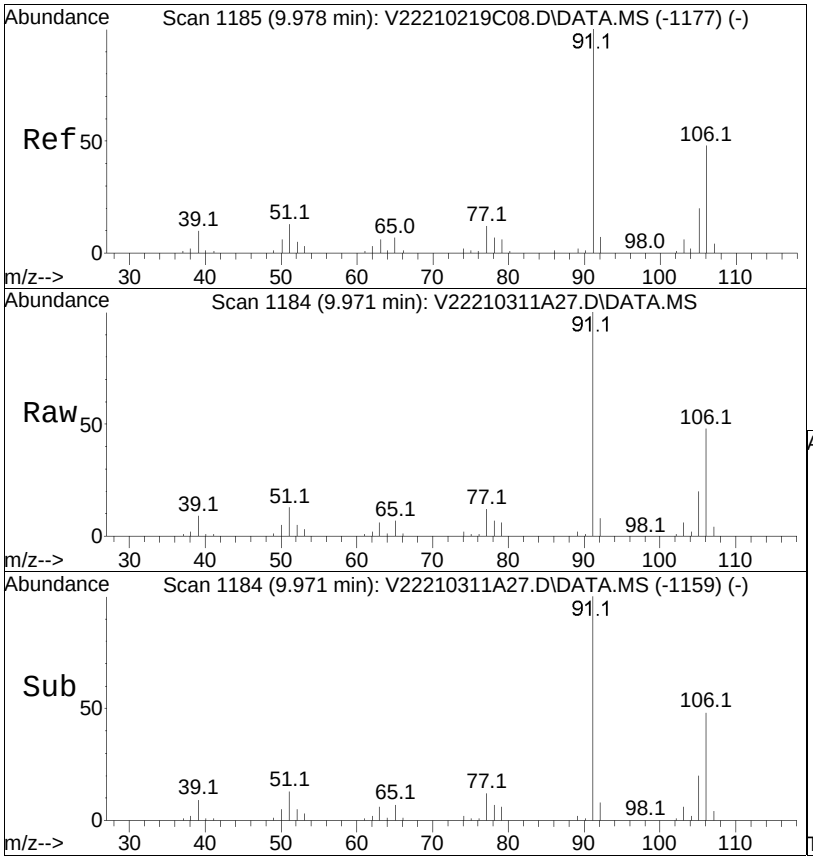


#80
p/m Xylene
Concen: 20.50 ug/L
RT: 9.431 min Scan# 1116
Delta R.T. -0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:106 Resp: 204140

Ion	Ratio	Lower	Upper
106	100		
91	194.3	156.0	234.0

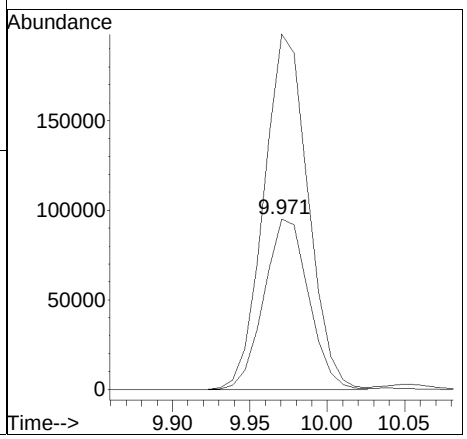


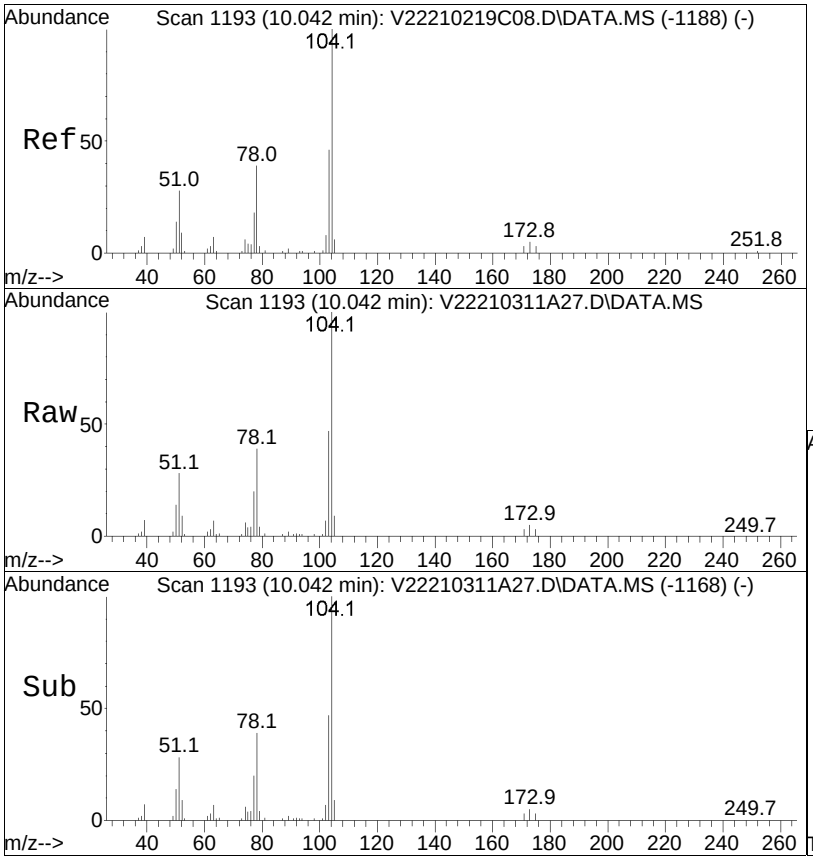


#81
o Xylene
Concen: 21.06 ug/L
RT: 9.971 min Scan# 1184
Delta R.T. -0.002 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:106 Resp: 190508

Ion	Ratio	Lower	Upper
106	100		
91	206.6	164.0	246.0

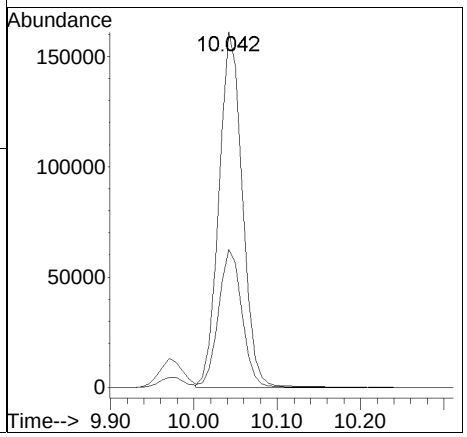


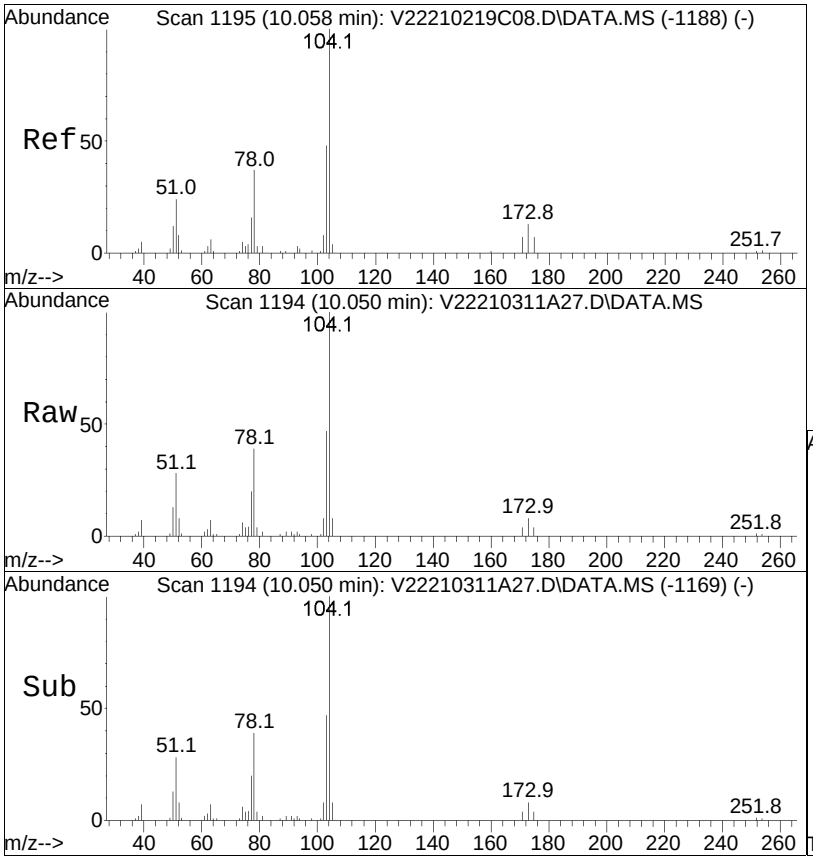


#82
Styrene
Concen: 21.73 ug/L
RT: 10.042 min Scan# 1193
Delta R.T. -0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:104 Resp: 314487

Ion	Ratio	Lower	Upper
104	100		
78	39.0	32.1	48.1

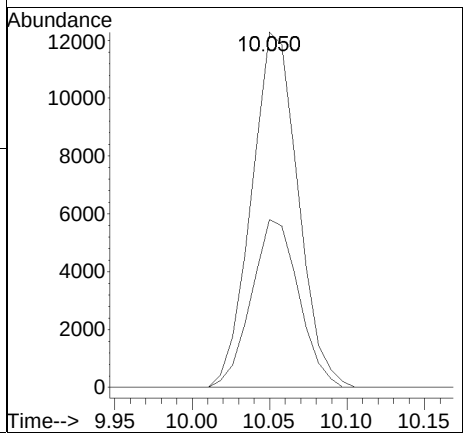


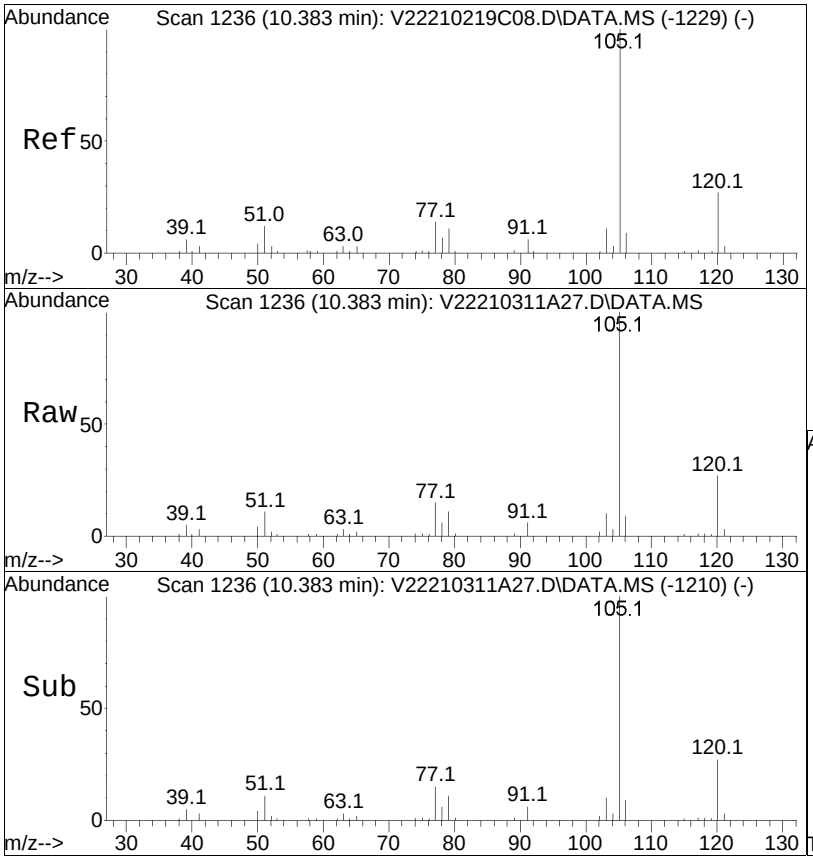


#84
Bromoform
Concen: 8.11 ug/L
RT: 10.050 min Scan# 1194
Delta R.T. -0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:173 Resp: 25701

Ion	Ratio	Lower	Upper
173	100		
175	47.9	29.3	69.3

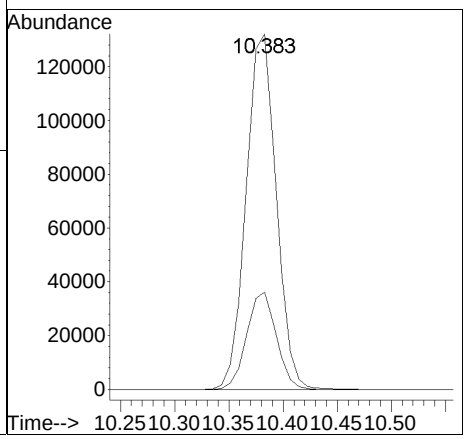


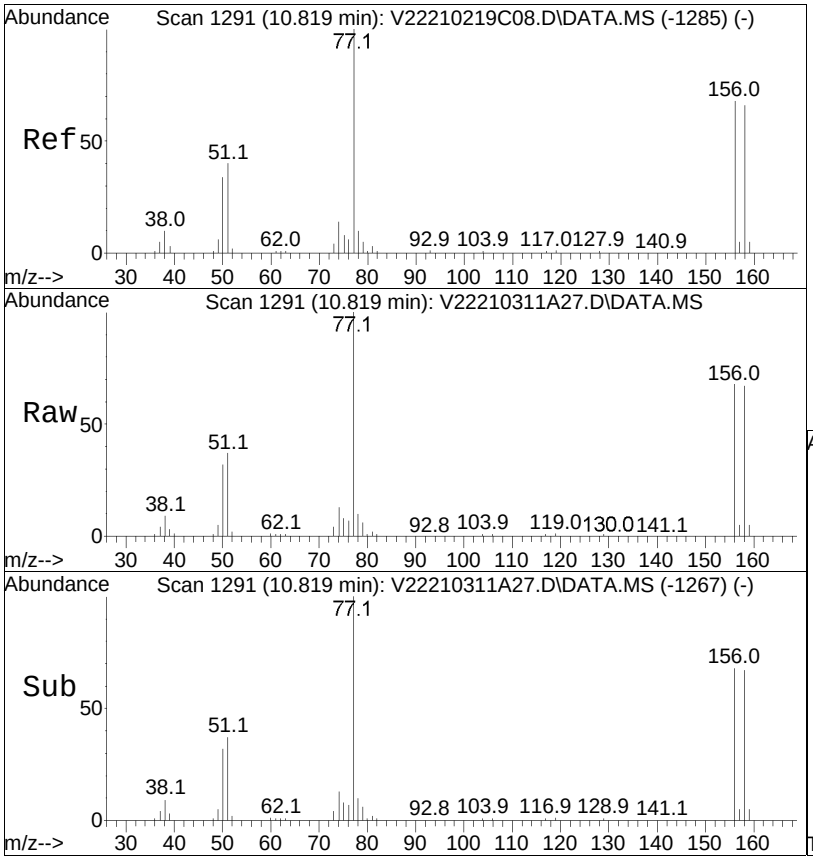


#86
Isopropylbenzene
Concen: 9.19 ug/L
RT: 10.383 min Scan# 1236
Delta R.T. 0.003 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:105 Resp: 255616

Ion	Ratio	Lower	Upper
105	100		
120	26.8	7.7	47.7

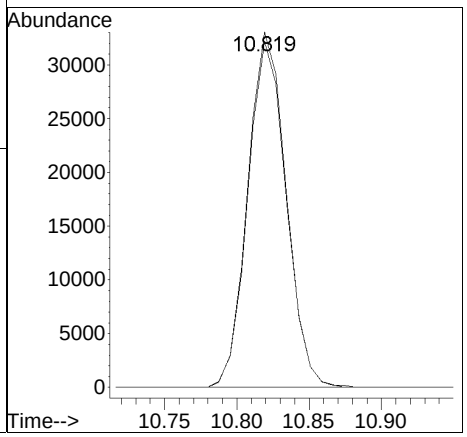


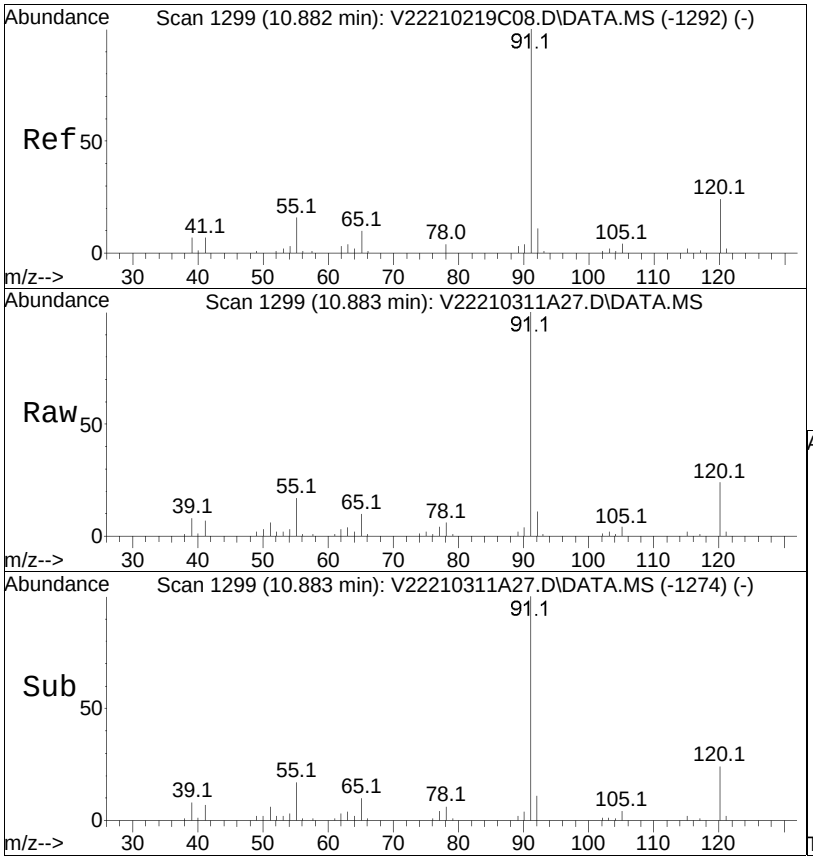


#88
Bromobenzene
Concen: 9.22 ug/L
RT: 10.819 min Scan# 1291
Delta R.T. -0.007 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:156 Resp: 61039

Ion	Ratio	Lower	Upper
156	100		
158	97.2	77.9	116.9

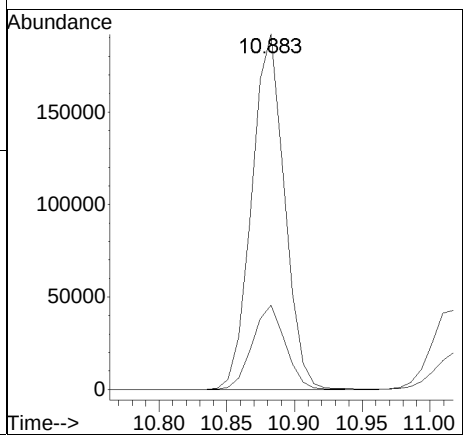


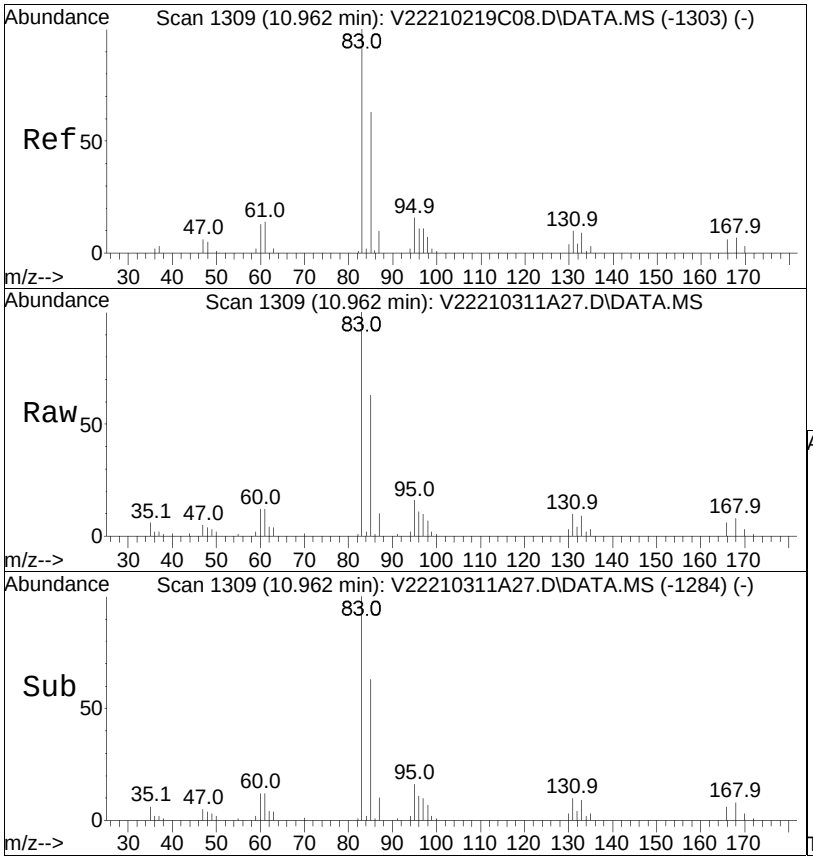


#89
n-Propylbenzene
Concen: 9.65 ug/L
RT: 10.883 min Scan# 1299
Delta R.T. 0.002 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 91 Resp: 323473

Ion	Ratio	Lower	Upper
91	100		
120	23.7	19.5	29.3

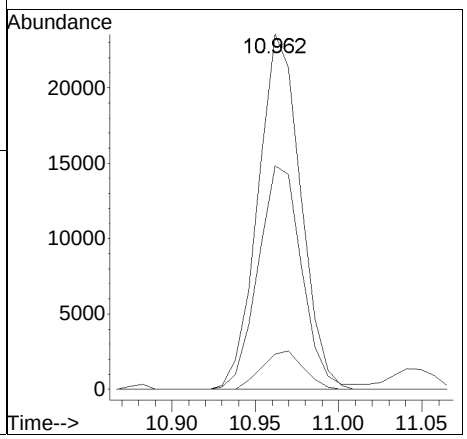


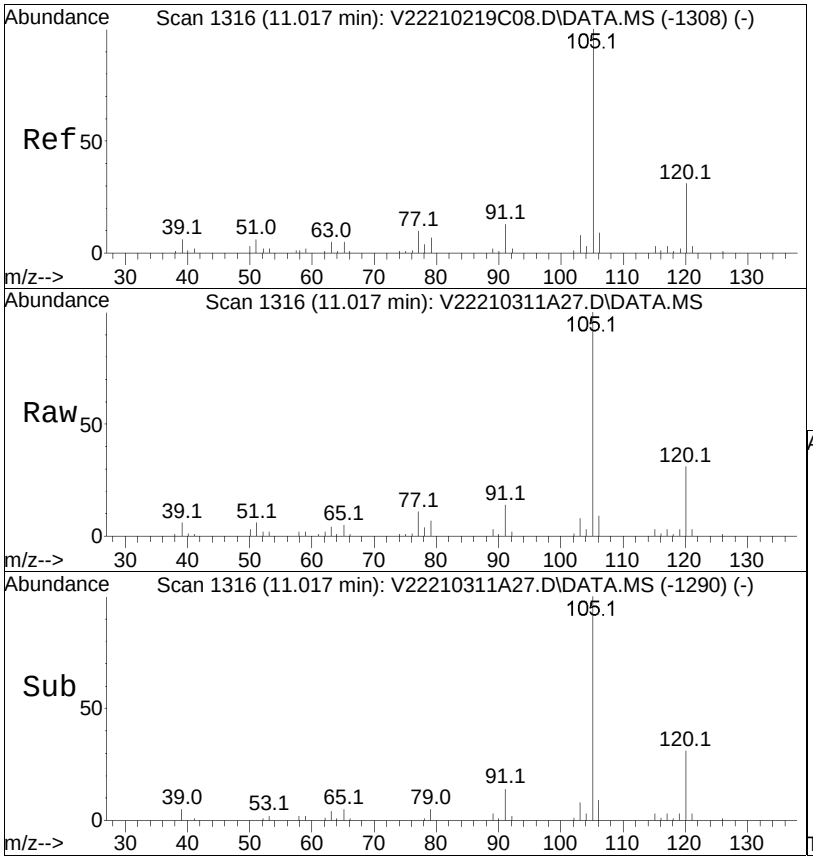


#91
1,1,2,2-Tetrachloroethane
Concen: 8.94 ug/L
RT: 10.962 min Scan# 1309
Delta R.T. -0.005 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 83 Resp: 41997

Ion	Ratio	Lower	Upper
83	100		
131	10.6	0.0	30.8
85	64.5	45.4	85.4

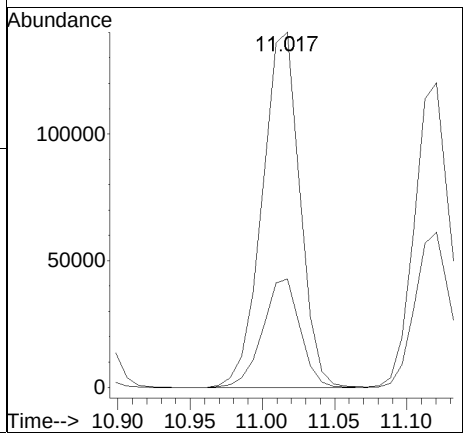


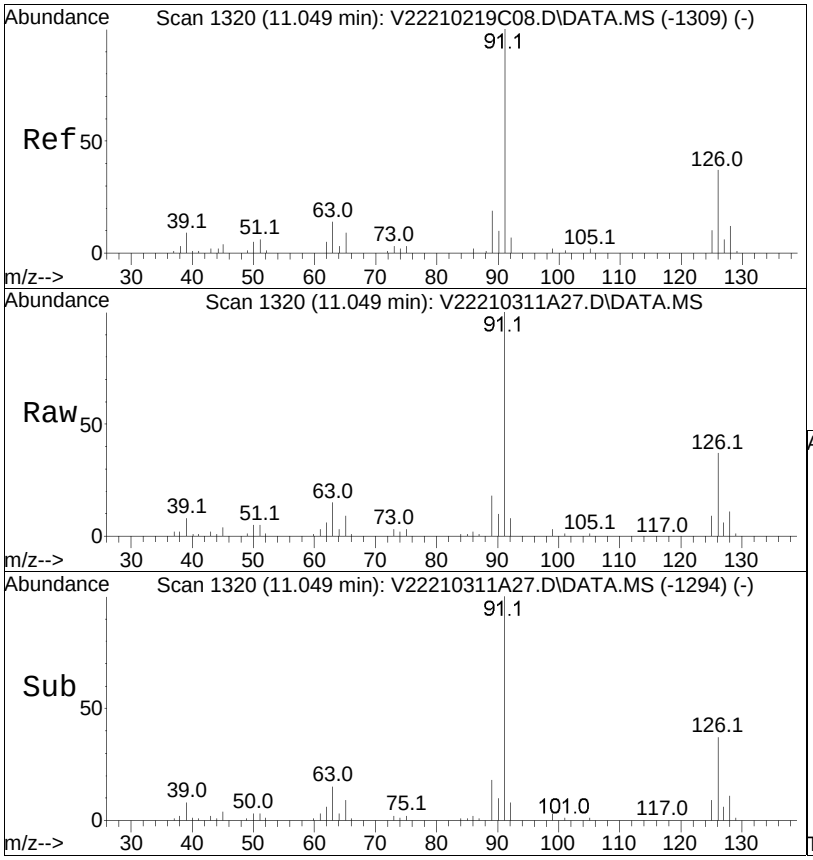


#92
4-Ethyltoluene
Concen: 9.63 ug/L
RT: 11.017 min Scan# 1316
Delta R.T. 0.003 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:105 Resp: 254314

Ion	Ratio	Lower	Upper
105	100		
120	30.2	19.8	41.0

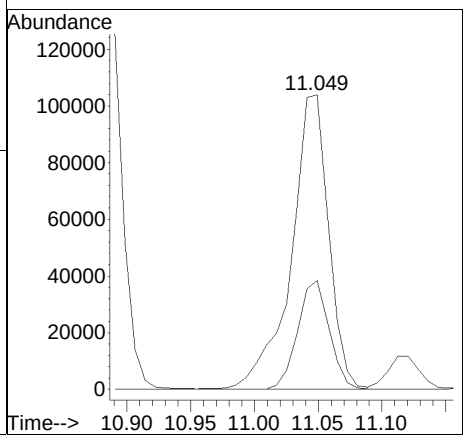


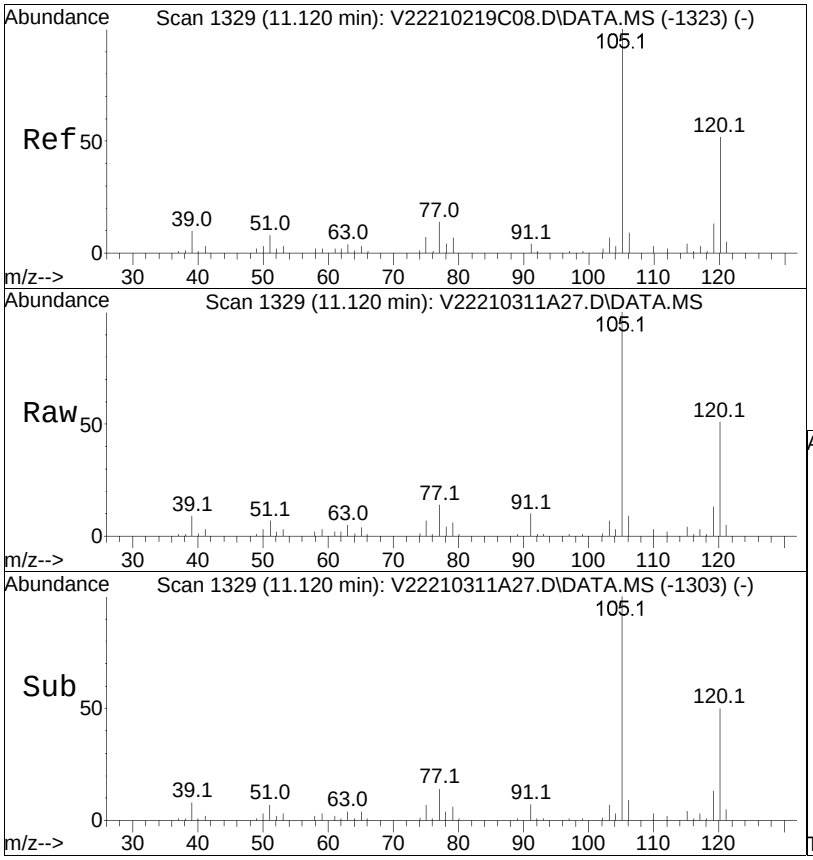


#93
2-Chlorotoluene
Concen: 9.61 ug/L
RT: 11.049 min Scan# 1320
Delta R.T. 0.003 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 91 Resp: 211393

Ion	Ratio	Lower	Upper
91	100		
126	31.3	24.6	37.0

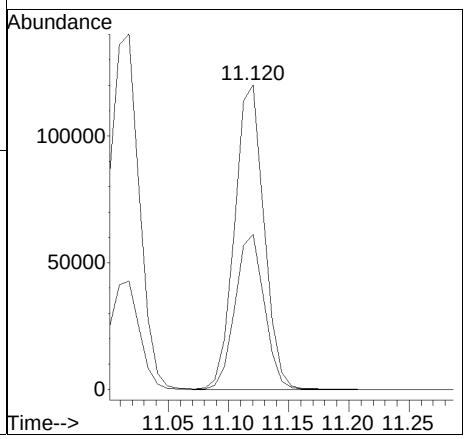


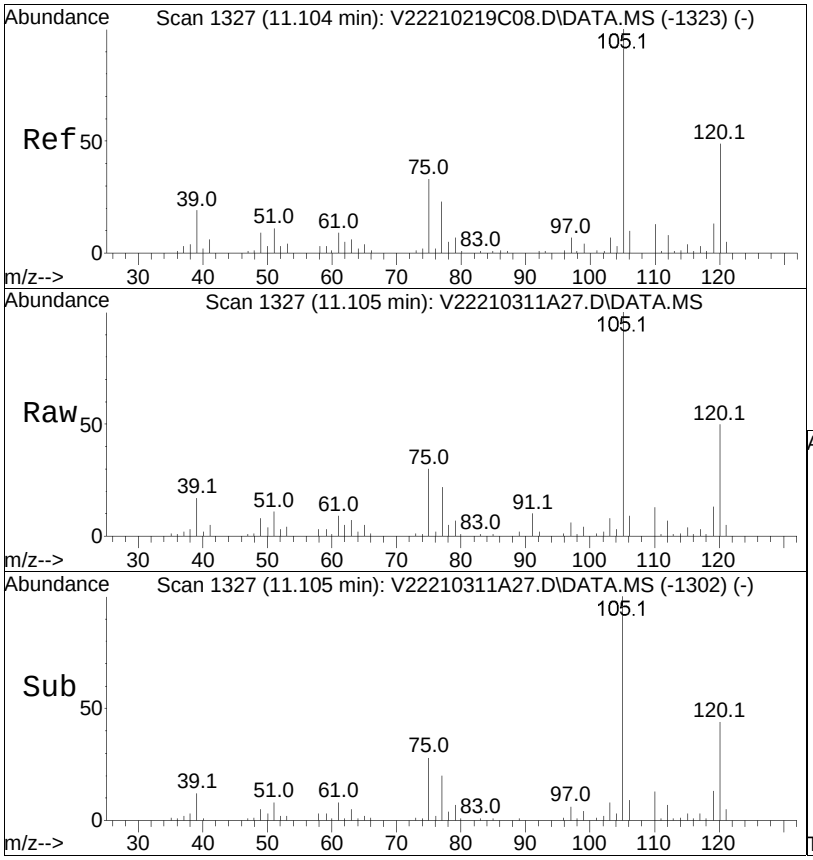


#94
1,3,5-Trimethylbenzene
Concen: 9.18 ug/L
RT: 11.120 min Scan# 1329
Delta R.T. 0.004 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:105 Resp: 204280

Ion	Ratio	Lower	Upper
105	100		
120	50.5	40.9	61.3

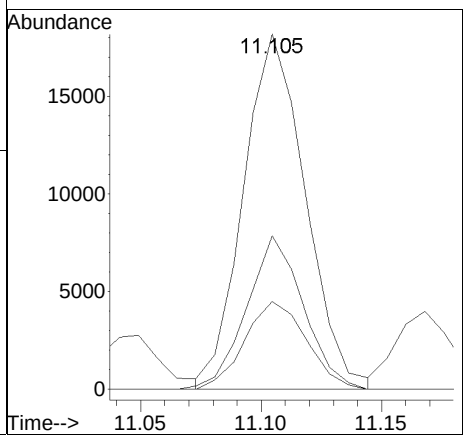


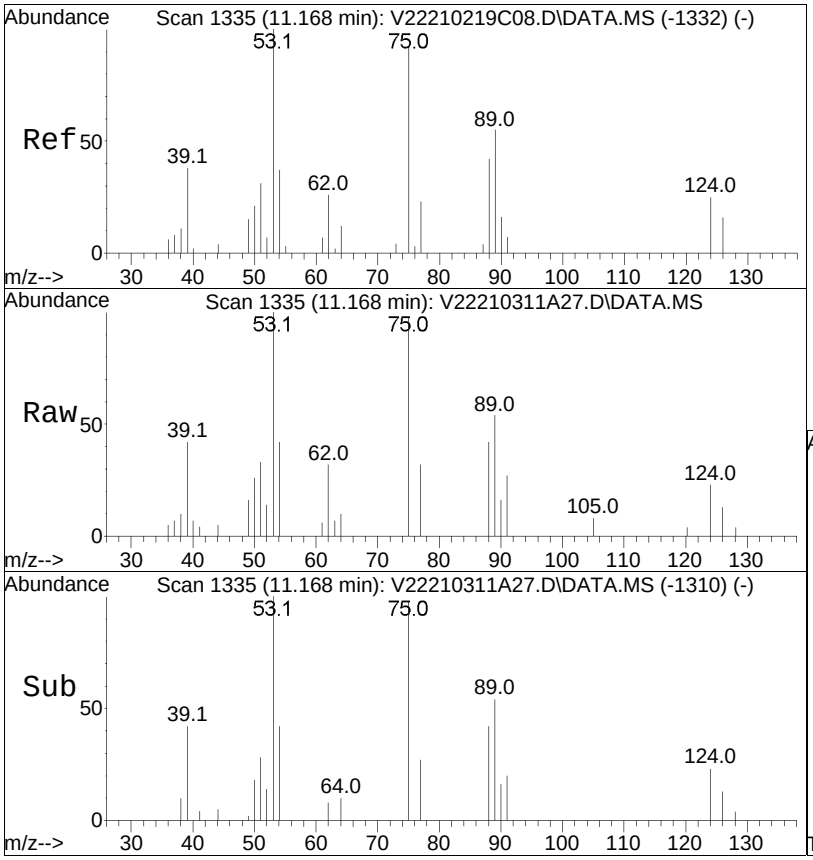


#95
1,2,3-Trichloropropane
Concen: 8.52 ug/L
RT: 11.105 min Scan# 1327
Delta R.T. -0.003 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 75 Resp: 32574

Ion	Ratio	Lower	Upper
75	100		
110	39.5	26.3	54.7
112	24.7	16.8	35.0

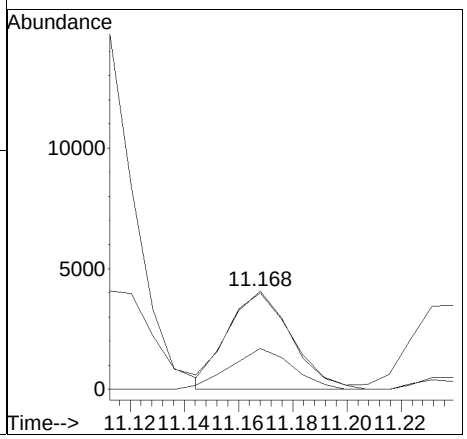


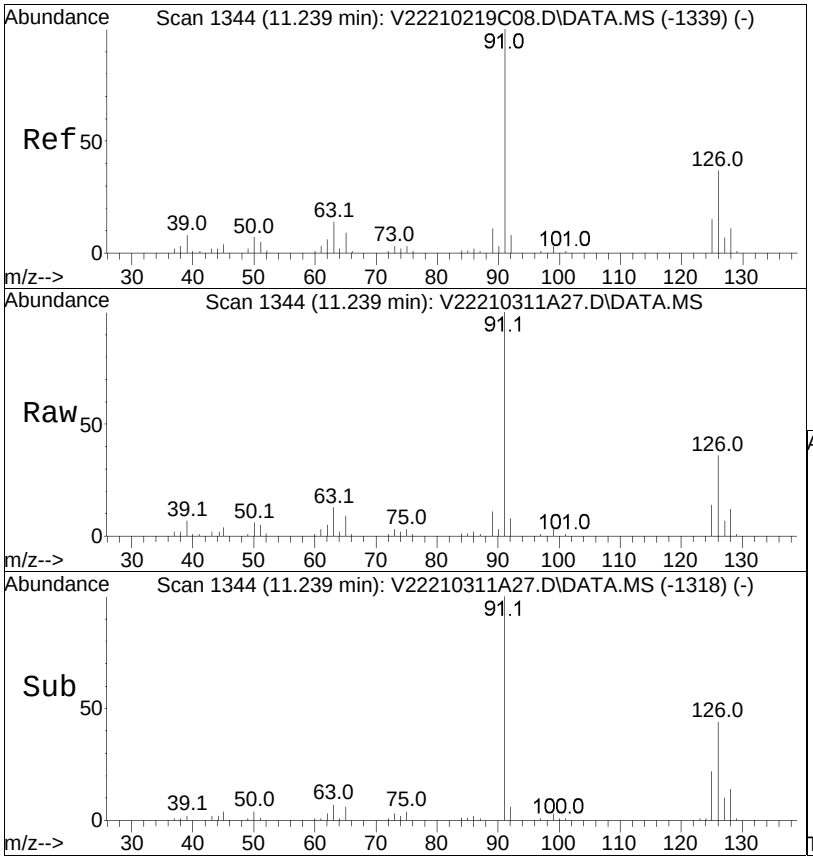


#96
trans-1,4-Dichloro-2-butene
Concen: 4.11 ug/L
RT: 11.168 min Scan# 1335
Delta R.T. -0.003 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 53 Resp: 6574

Ion	Ratio	Lower	Upper
53	100		
88	41.7	46.3	69.5#
75	97.4	109.0	163.4#

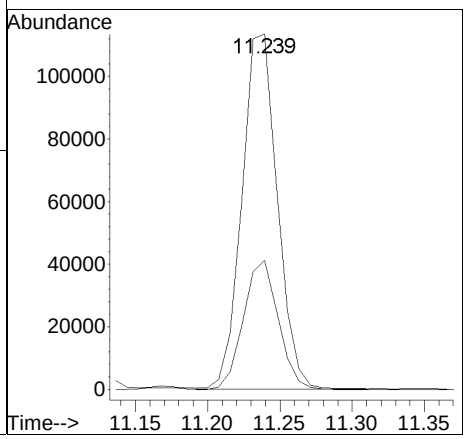


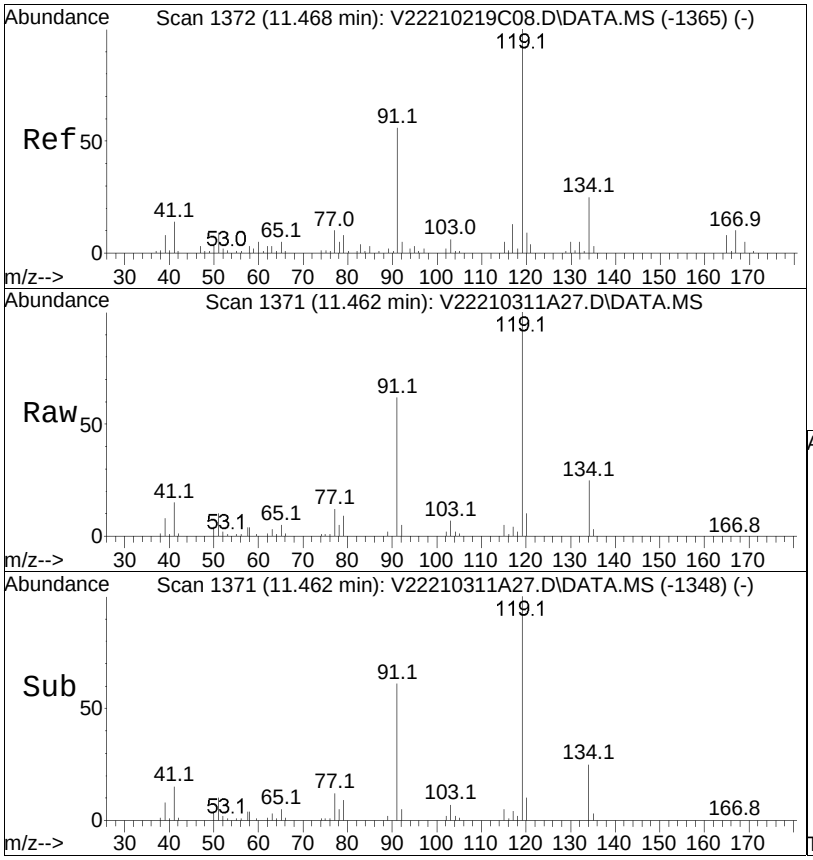


#97
4-Chlorotoluene
Concen: 9.70 ug/L
RT: 11.239 min Scan# 1344
Delta R.T. 0.005 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 91 Resp: 192953

Ion	Ratio	Lower	Upper
91	100		
126	35.7	28.5	42.7

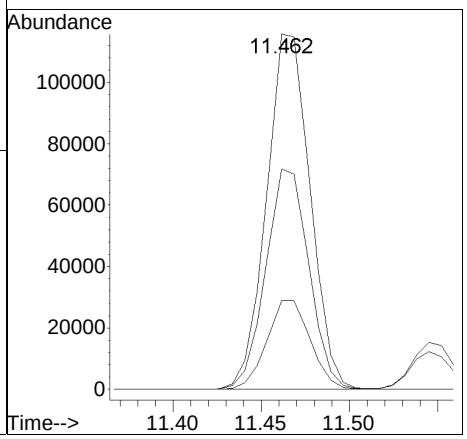


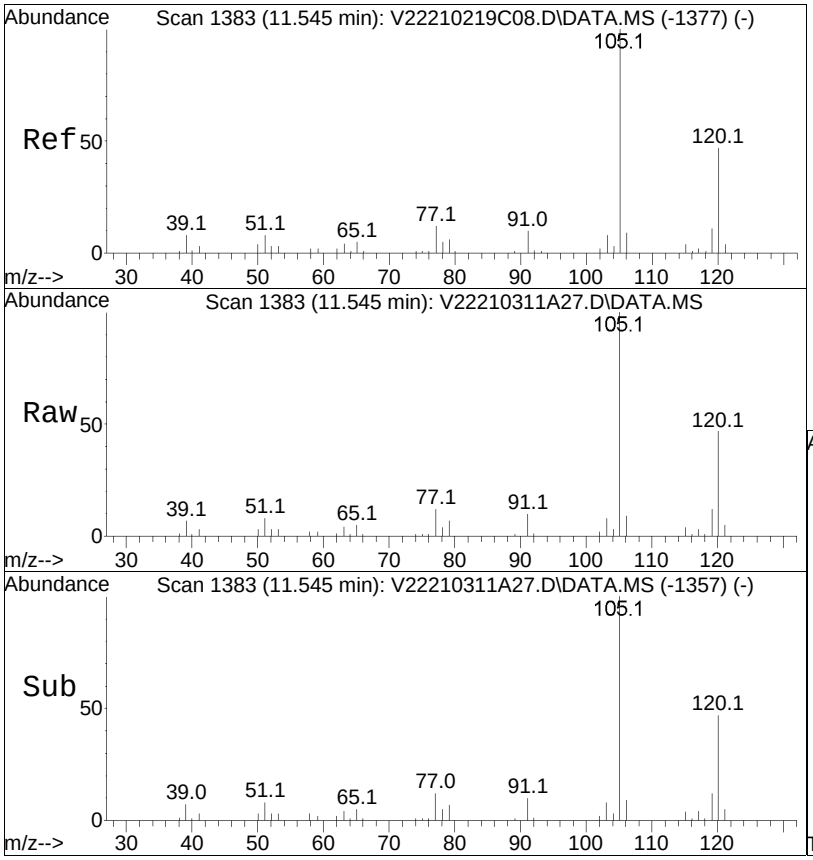


#98
tert-Butylbenzene
Concen: 8.52 ug/L
RT: 11.462 min Scan# 1371
Delta R.T. -0.007 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:119 Resp: 199200

Ion	Ratio	Lower	Upper
119	100		
91	61.5	50.2	75.4
134	24.9	20.8	31.2

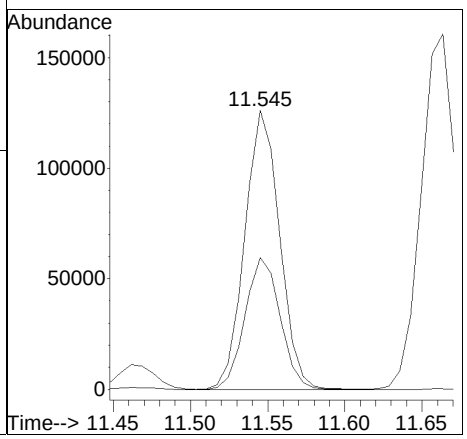


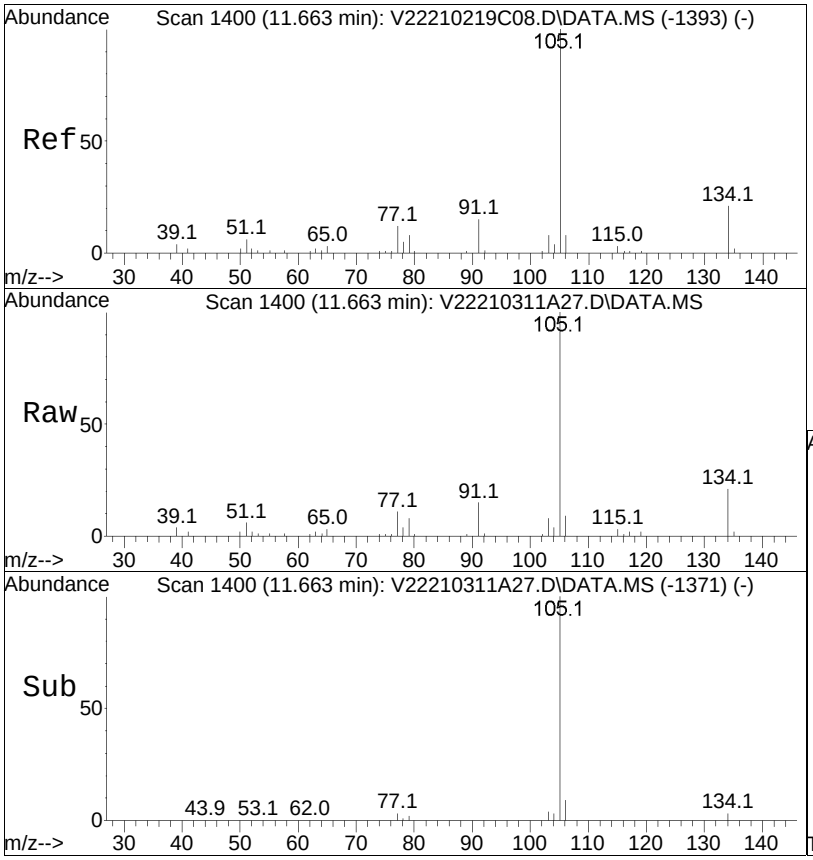


#101
1,2,4-Trimethylbenzene
Concen: 9.17 ug/L
RT: 11.545 min Scan# 1383
Delta R.T. 0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:105 Resp: 198132

Ion	Ratio	Lower	Upper
105	100		
120	47.6	38.5	57.7

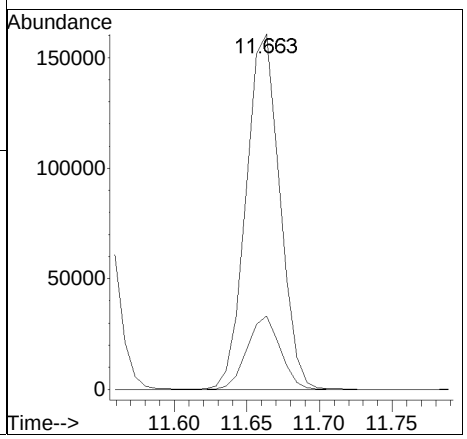


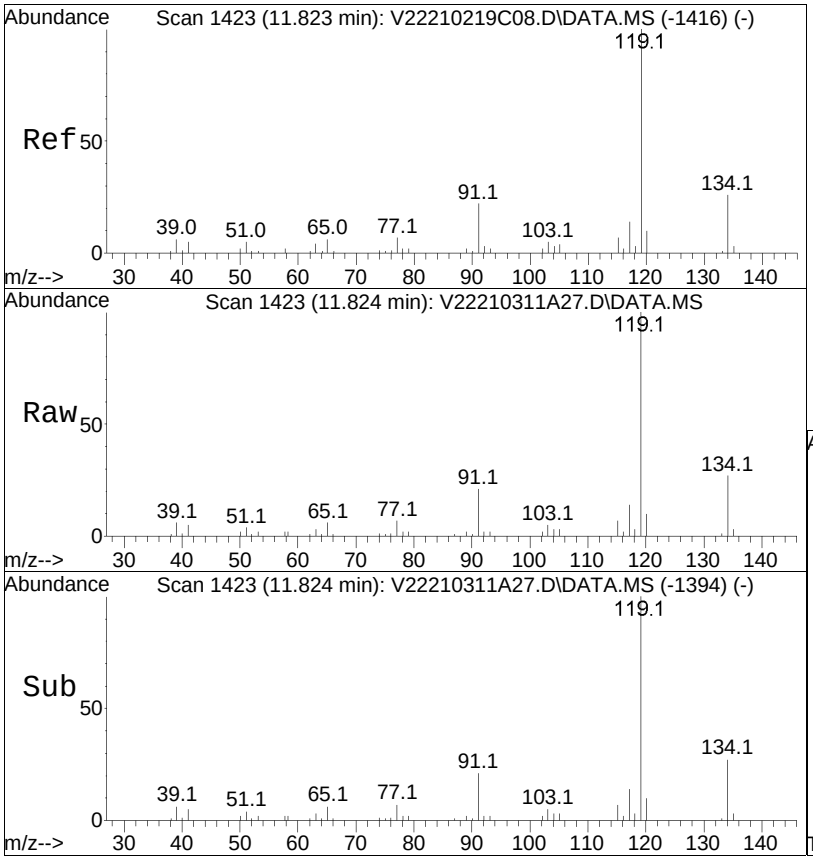


#102
sec-Butylbenzene
Concen: 9.94 ug/L
RT: 11.663 min Scan# 1400
Delta R.T. -0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:105 Resp: 259858

Ion	Ratio	Lower	Upper
105	100		
134	20.2	13.9	28.9

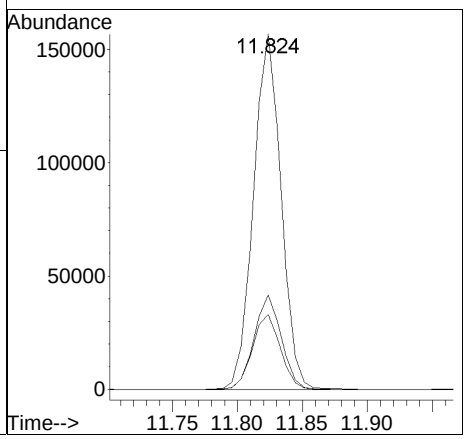


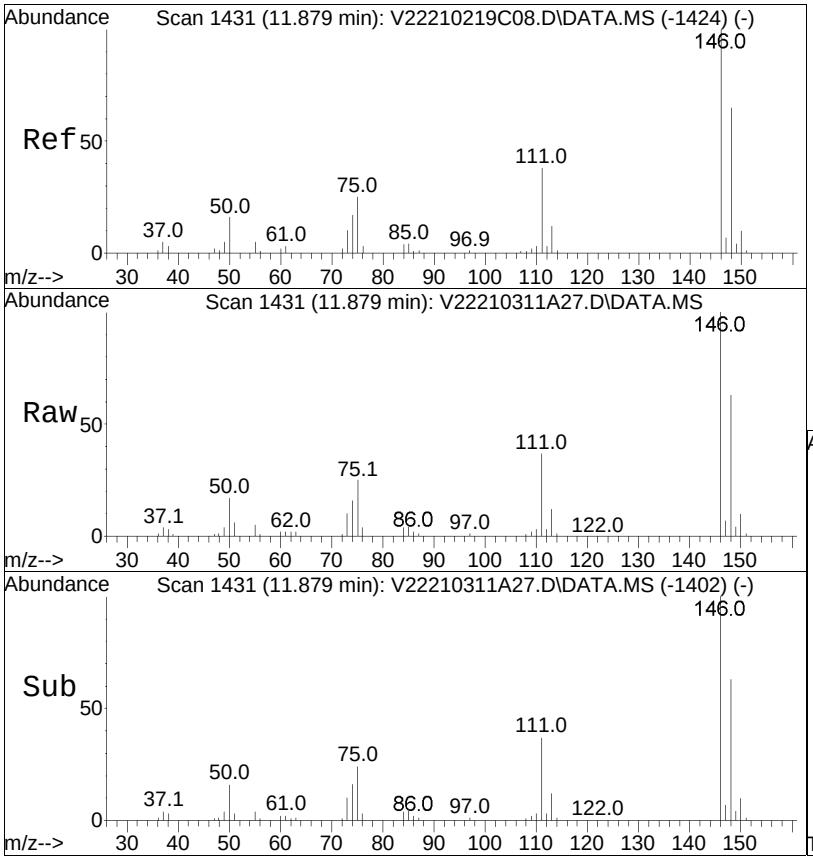


#103
p-Isopropyltoluene
Concen: 9.67 ug/L
RT: 11.824 min Scan# 1423
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:119 Resp: 231165

Ion	Ratio	Lower	Upper
119	100		
134	26.1	17.7	36.7
91	21.4	14.1	29.3

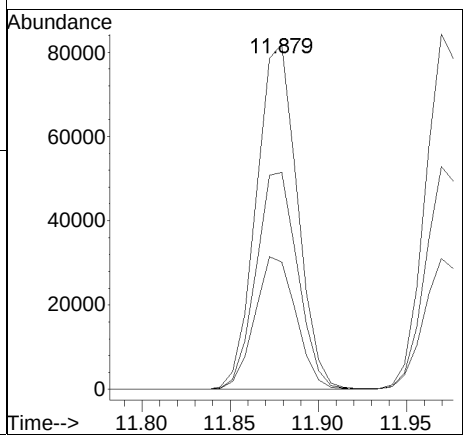


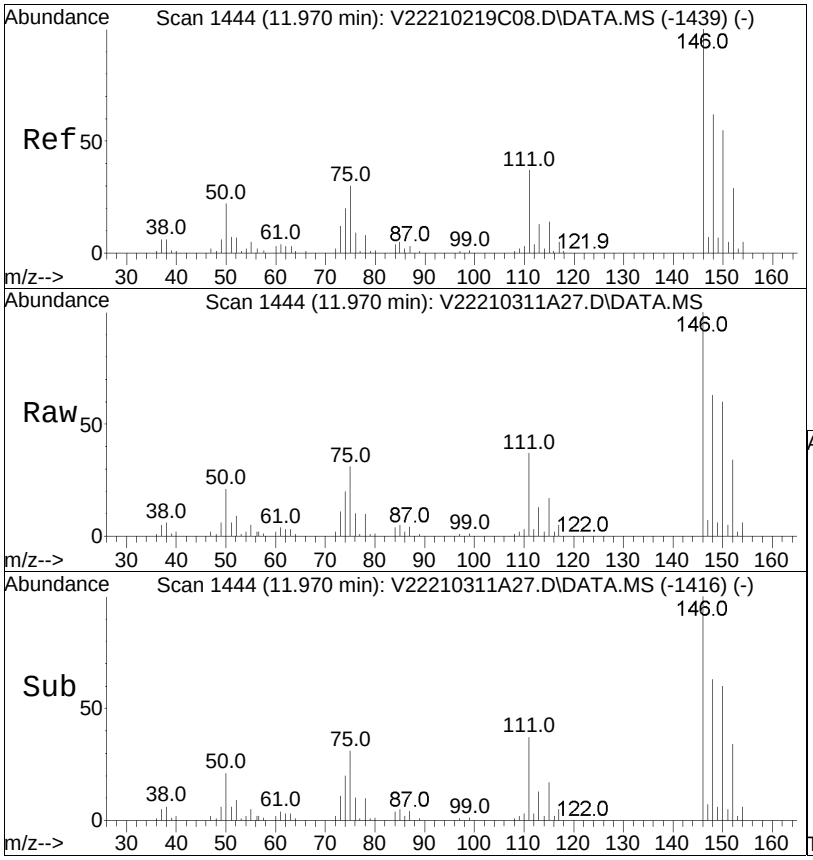


#104
1,3-Dichlorobenzene
Concen: 9.80 ug/L
RT: 11.879 min Scan# 1431
Delta R.T. 0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:146 Resp: 132950

Ion	Ratio	Lower	Upper
146	100		
111	38.5	24.0	49.8
148	63.6	41.8	86.8

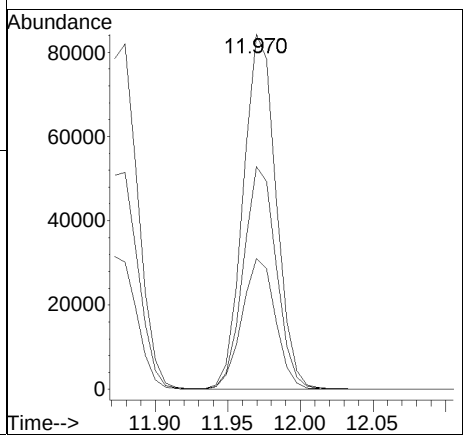


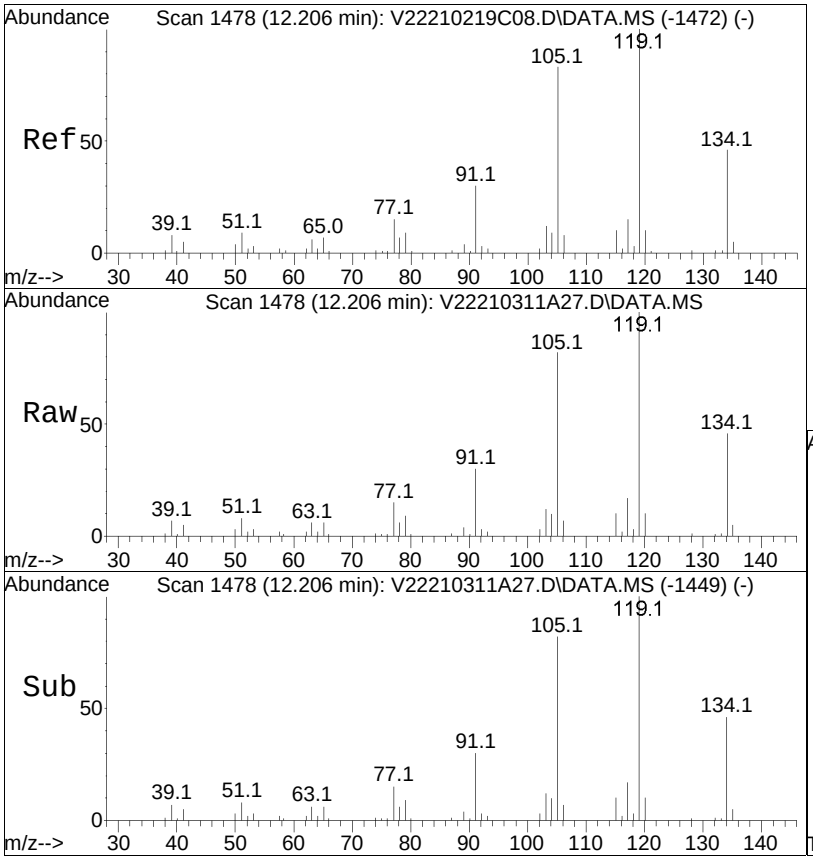


#105
1,4-Dichlorobenzene
Concen: 9.75 ug/L
RT: 11.970 min Scan# 1444
Delta R.T. -0.007 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:146 Resp: 133196

Ion	Ratio	Lower	Upper
146	100		
111	37.7	28.9	43.3
148	63.0	51.4	77.2

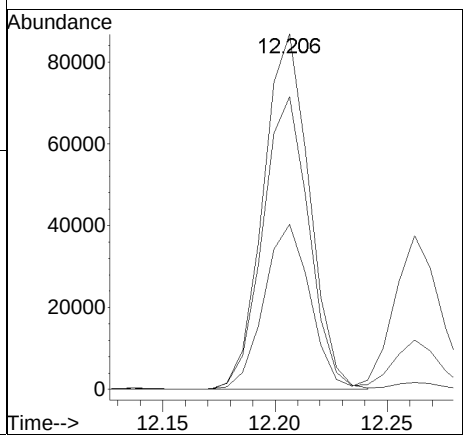


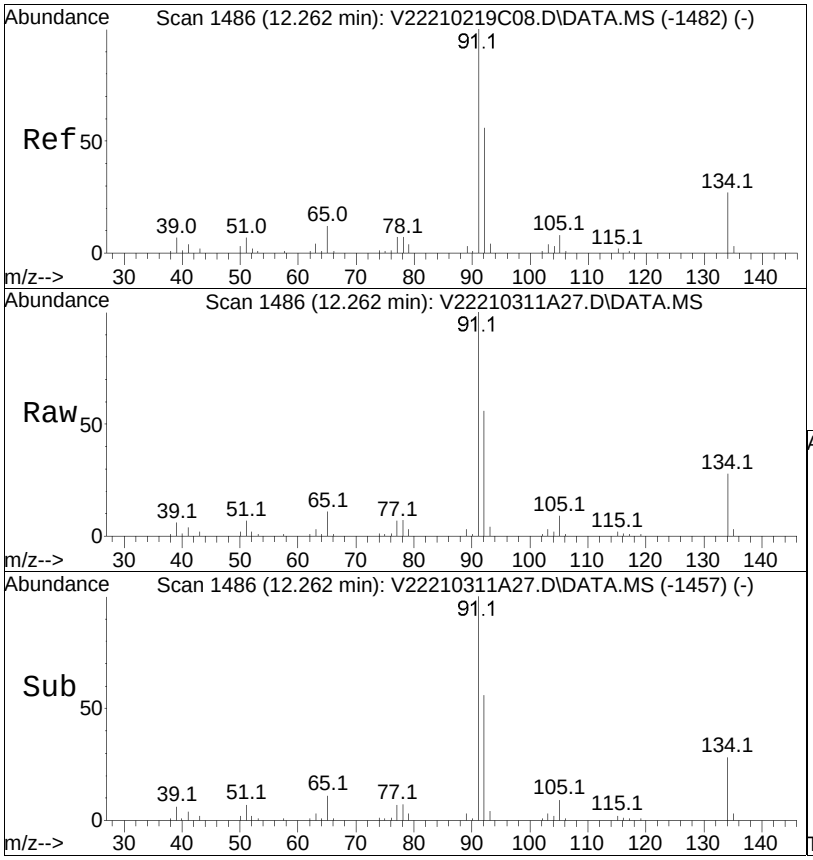


#106
p-Diethylbenzene
Concen: 8.53 ug/L
RT: 12.206 min Scan# 1478
Delta R.T. -0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:119 Resp: 123955

Ion	Ratio	Lower	Upper
119	100		
105	82.3	53.4	110.8
134	46.4	30.9	64.1

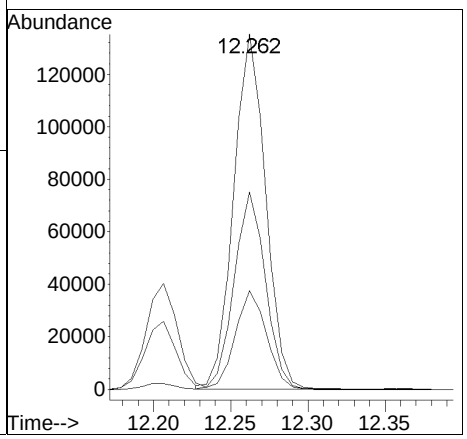


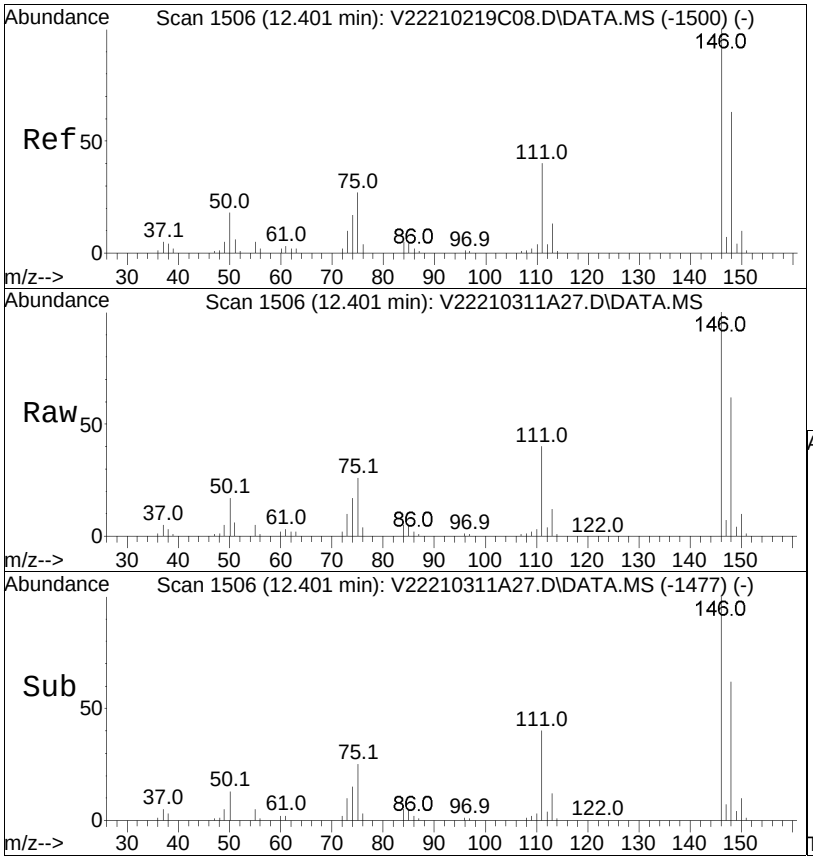


#107
n-Butylbenzene
Concen: 9.52 ug/L
RT: 12.262 min Scan# 1486
Delta R.T. 0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion: 91 Resp: 194858

Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.6	66.8
134	27.1	22.9	34.3

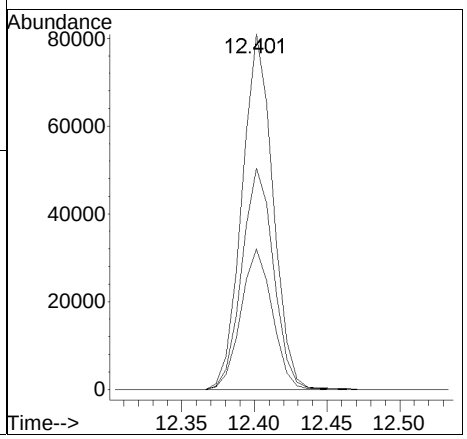


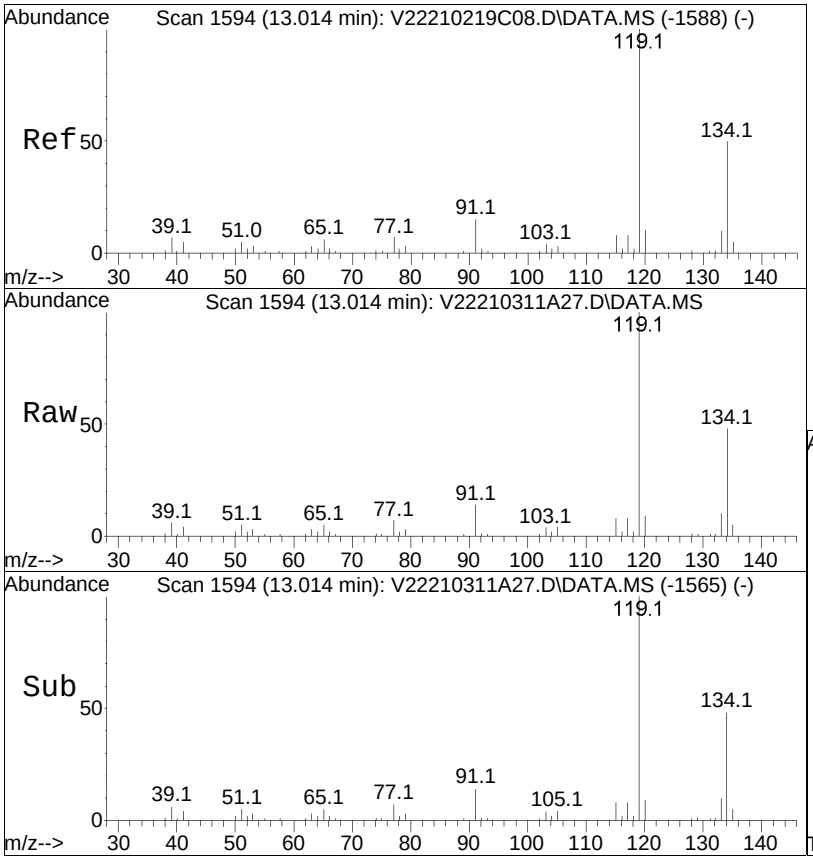


#108
1,2-Dichlorobenzene
Concen: 9.90 ug/L
RT: 12.401 min Scan# 1506
Delta R.T. -0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:146 Resp: 120278

Ion	Ratio	Lower	Upper
146	100		
111	40.0	24.8	51.6
148	63.7	42.2	87.6

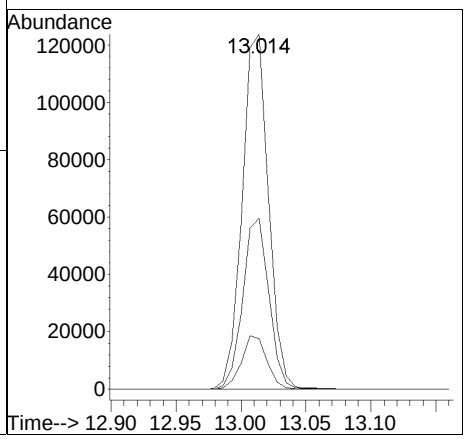


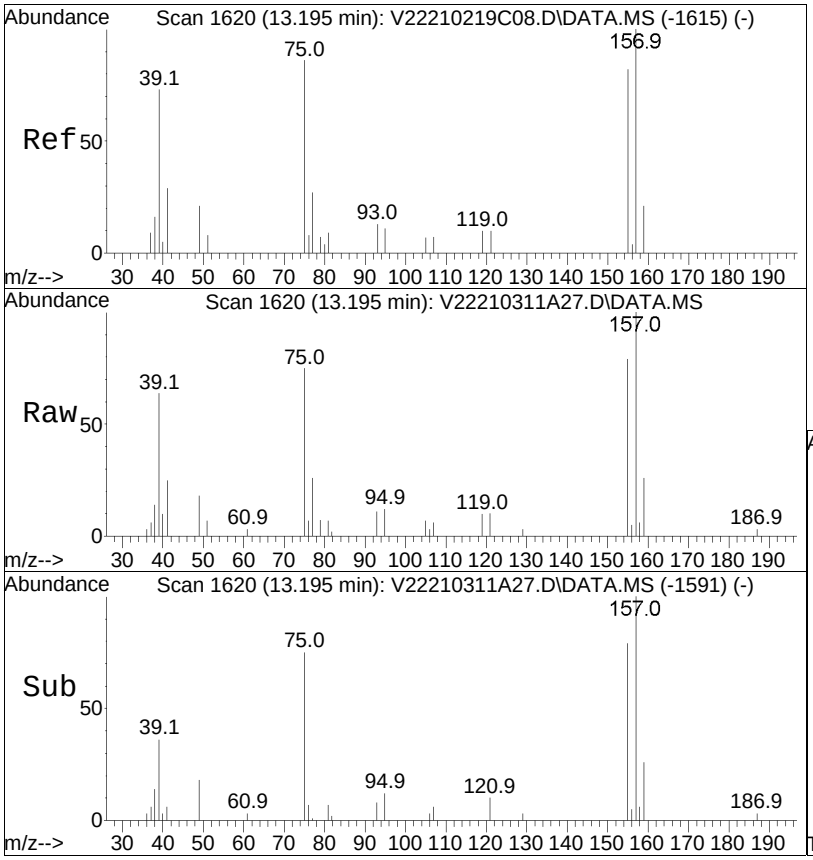


#109
1,2,4,5-Tetramethylbenzene
Concen: 9.24 ug/L
RT: 13.014 min Scan# 1594
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:119 Resp: 174464

Ion	Ratio	Lower	Upper
119	100		
134	48.1	31.9	66.1
91	14.6	9.8	20.3

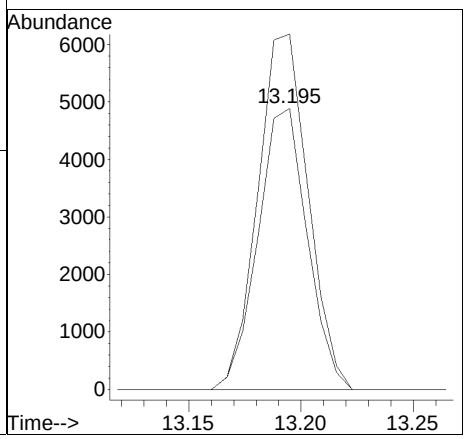


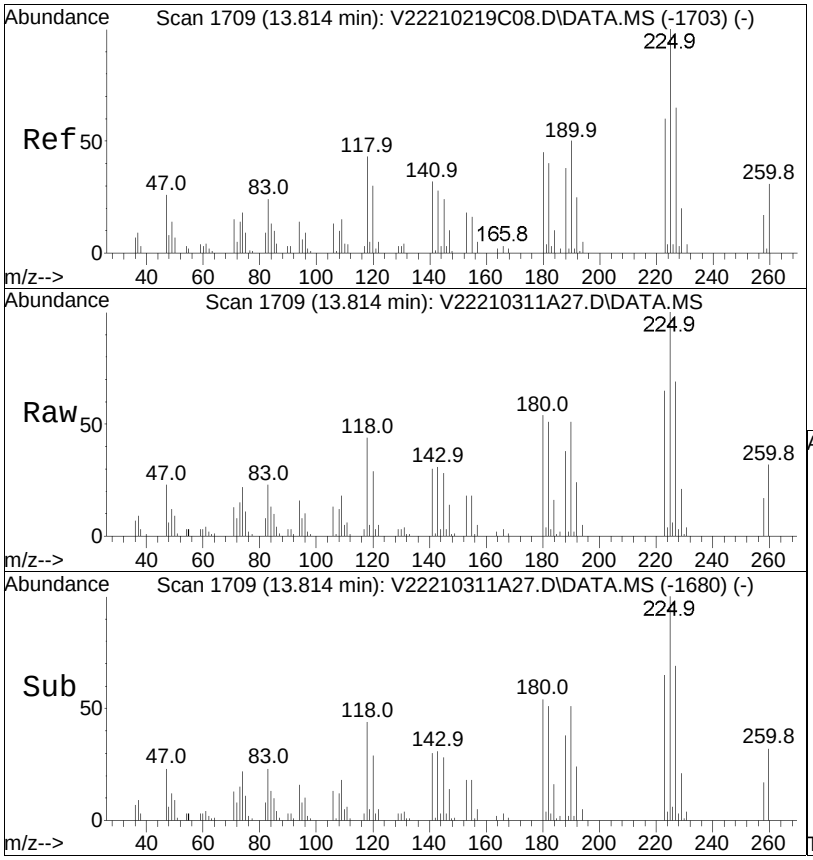


#110
1,2-Dibromo-3-chloropropane
Concen: 8.69 ug/L
RT: 13.195 min Scan# 1620
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:155 Resp: 7480

Ion	Ratio	Lower	Upper
155	100		
157	128.9	102.3	153.5

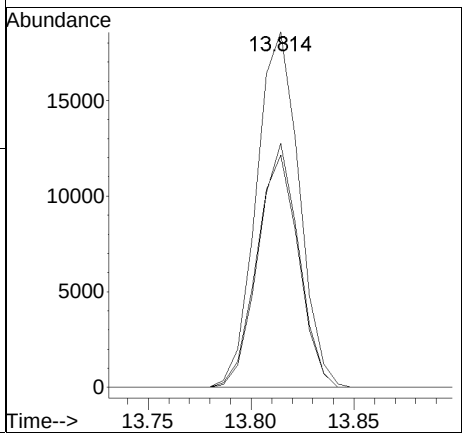


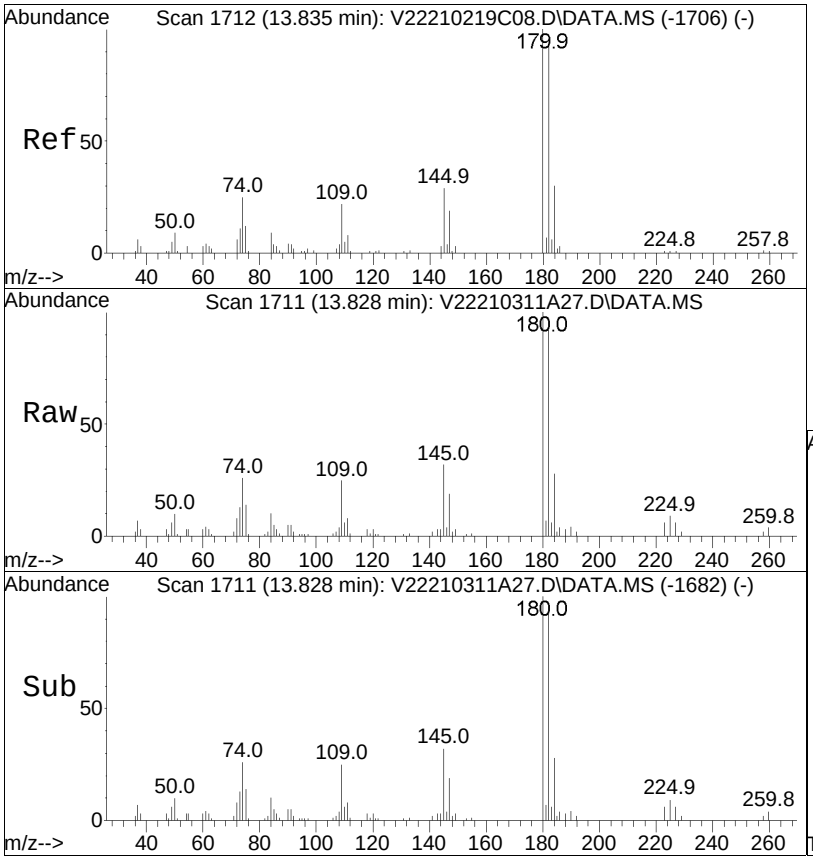


#112
Hexachlorobutadiene
Concen: 10.17 ug/L
RT: 13.814 min Scan# 1709
Delta R.T. -0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:225 Resp: 26894

Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.8	74.8
227	64.7	52.2	78.4

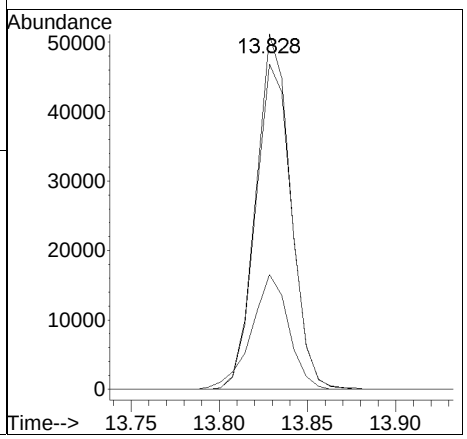


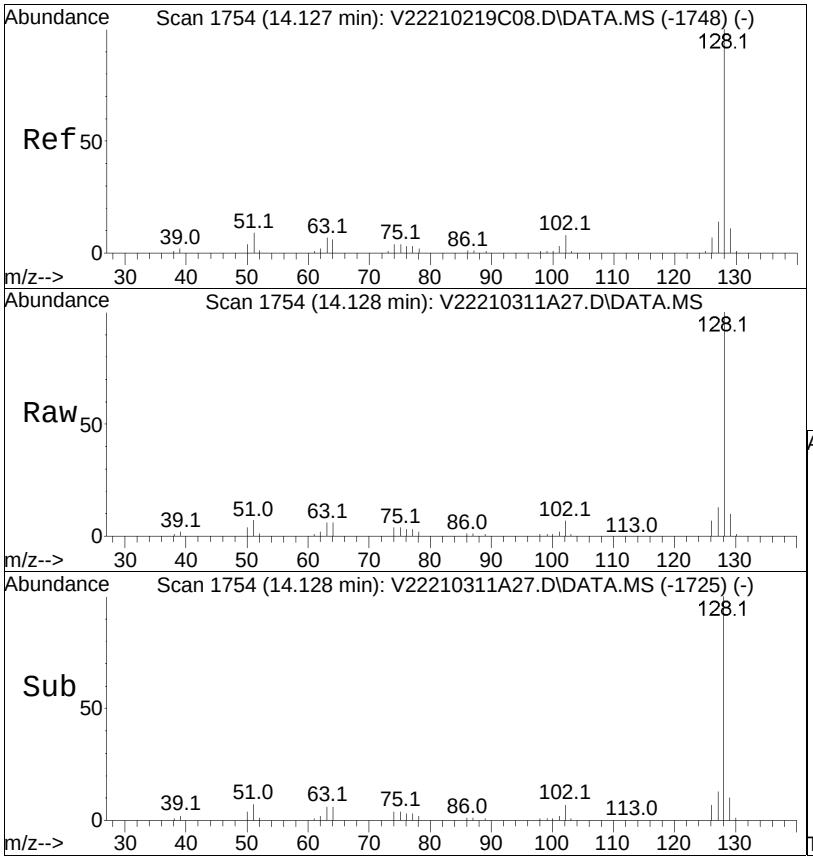


#113
1,2,4-Trichlorobenzene
Concen: 9.88 ug/L
RT: 13.828 min Scan# 1711
Delta R.T. -0.001 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:180 Resp: 70334

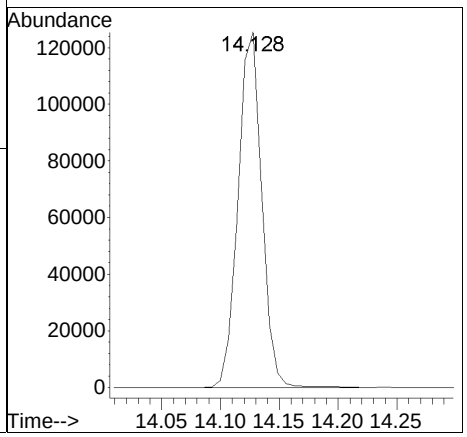
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.6	114.8
145	34.8	25.5	38.3

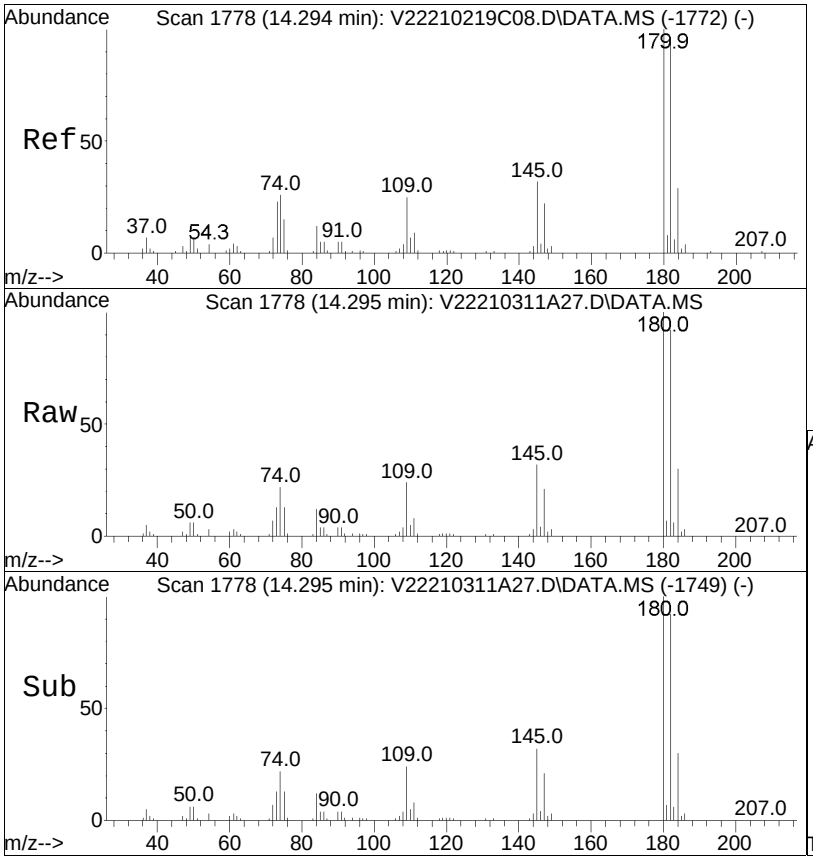




#114
Naphthalene
Concen: 10.82 ug/L
RT: 14.128 min Scan# 1754
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:128 Resp: 175990

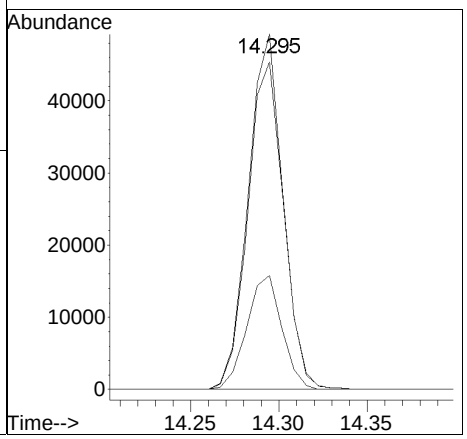




#115
1,2,3-Trichlorobenzene
Concen: 10.71 ug/L
RT: 14.295 min Scan# 1778
Delta R.T. -0.000 min
Lab File: V22210311A27.D
Acq: 11 Mar 2021 06:03 pm

Tgt Ion:180 Resp: 67466

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.0	114.0
145	32.4	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2021\2	QMethod	: V122_210219C_8260.m
Data File	: V22210311A27.D	Operator	: VOA122:AJK
Date Inj'd	: 3/11/2021 6:03 pm	Instrument	: VOA122
Sample	: WG1473232-7,31,10,10,,A2	Quant Date	: 3/11/2021 6:28 pm

There are no manual integrations or false positives in this file.

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Mar 12 2021, 08:54 am

Work Group: WG1473232 for Department: 31 GC/MS - Volatiles

Created: 11-MAR-21 Due: Operator: PD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2110911-03	MW-5_VOC	S	NYTCL-8260	WATER	DONE	U	0318	0311	S0	Vial-B
L2111103-01	RMW-3	S	NYTCL-8260	WATER	DONE	U	0319	0312	S0	Vial-B
L2111103-02	RMW-4	S	NYTCL-8260	WATER	DONE	U	0319	0312	S0	Vial-B
L2111103-03	DUP 1	S	NYTCL-8260	WATER	DONE	U	0319	0312	S0	Vial-B
L2111103-04	FB030521	S	NYTCL-8260	WATER	DONE	U	0319	0312	S0	Vial-B
L2111103-05	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0317	0312	S0	Vial-B
L2111197-02	GW-2	S	NYTCL-8260-R2	WATER	SEC	U	0319	0312	S0	Vial-B
L2111197-03	GW-3	S	NYTCL-8260-R2	WATER	SEC	U	0319	0312	S0	Vial-B
L2111197-04	GW-4	S	NYTCL-8260-R2	WATER	SEC	U	0319	0312	S0	Vial-B
L2111197-05	GW-5	S	NYTCL-8260-R2	WATER	SEC	U	0319	0312	S0	Vial-B
L2111197-06	DUPE	S	NYTCL-8260-R2	WATER	SEC	U	0319	0312	S0	Vial-B
L2111197-07	EB	S	NYTCL-8260-R2	WATER	SEC	U	0319	0312	S0	Vial-B
L2111197-08	RB	S	NYTCL-8260-R2	WATER	SEC	U	0319	0312	S0	Vial-B
L2111197-09	TRIP BLANK	S	NYTCL-8260-R2	WATER	SEC	U	0319	0312	S0	Vial-B
L2111925-08	TB	S	NYTCL-8260	WATER	DONE	U	0317	0311	1A	Vial-B
WG1473232-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1473232-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1473232-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1473232-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1473232-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1473232-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1473232-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1473232-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1473232-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1473232-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG1473232-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1473232-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG1473232-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1473232-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG1473232-4	WG1473232-3
WG1473232-6	L2111103-01
WG1473232-7	L2111103-01

RUSH	HT	PRI

Method

Inst: VOA122 BFB: V8253 GC: 8260_WATER

Initials: PD IS/SS: V8231 Autosampler: 8260WATER

Date: **02/19/21** ICAL: V8264,V8184,V8219,8234E Concentrator: 8260

Run: **A** ICV: V8227,V8208,V8228,V8229,V8230,V8205,V8261,V8247 QC:___ Seq:_____

Vial	Data File	Sample		pH<2
1	V22210219CBF1	BFB TUNE	12:21	
1	V22210219C01	BLK		
2	V22210219C02	BLK		
3	V22210219C03	I8260STD0.19PPB		
4	V22210219C04	I8260STD0.5PPB		
5	V22210219C05	I8260STD0.5PPB		
6	V22210219C06	I8260STD2PPB		
7	V22210219C07	I8260STD2PPB		
8	V22210219C08	I8260STD10PPB		
9	V22210219C09	I8260STD30PPB		
10	V22210219C10	I8260STD80PPB		
11	V22210219C11	I8260STD120PPB		
12	V22210219C12	I8260STD200PPB		
13	V22210219C13	BLK		
14	V22210219C14	BLK		
15	V22210219C15	BLK		
16	V22210219C16	BLK		
17	V22210219C17	C8260STD10PPB		
18	V22210219C18	C8260STD10PPB		
19	V22210219C19	CMMSTD40PPB		
20	V22210219C20	CMMSTD40PPB		
21	V22210219C21	BLK		
22	V22210219C22	BLK		
23	V22210219C23	METHOD BLK		
24	V22210219C24	METHOD BLK		
25	V22210219C25	MDL L2		
26	V22210219C26	MDL L2		
27	V22210219C27	BLK		

RUSH	HT	PRI

Inst: VOA122
Initials: PD
Date: **03/11/21**
Run: **B**

BFB: V8253
IS/SS: V8279
ICAL: V8273A,V8286

Method
GC: 8260_WATER
Autosampler: 8260WATER
Concentrator: 8260

QC:___ Seq:_____

Vial	Data File	Sample			pH<2
1	V22210311ABF1	BFB TUNE 07:02			
1	V22210311A01	8260 CCAL LCS			
2	V22210311A02	8260 CCAL LCSD			
3	V22210311A03	8260 CCAL			
4	V22210311A04	BLK			
5	V22210311A05	METHOD BLK			
6	V22210311A06	L2111925-08,31,10,10,,A,R1A	NYTCL/15	TB	pH<2
7	V22210311A07	L2111894-01,31,10,10,,A,R1A	8260		pH<2
8	V22210311A08	L2110911-03D,31,0.025,10,,C,PRI	NYTCL		pH<2
9	V22210311A09	L2111103-02,31,10,10,,A	NYTCL		pH<2
10	V22210311A10	L2111103-03,31,10,10,,A	NYTCL		pH<2
11	V22210311A11	L2111103-04,31,10,10,,A	NYTCL	FB	pH<2
12	V22210311A12	L2111103-05,31,10,10,,A	NYTCL	TB	pH<2
13	V22210311A13	L2111103-01,31,10,10,,A	NYTCL		pH<2
14	V22210311A14	L2111197-02,31,10,10,,A	NYCURVE		pH<2
15	V22210311A15	L2111197-03,31,10,10,,A	NYCURVE		pH<2
16	V22210311A16	L2111197-04,31,10,10,,A	NYCURVE		pH<2
17	V22210311A17	L2111197-05,31,10,10,,A	NYCURVE		pH<2
18	V22210311A18	L2111197-06,31,10,10,,A	NYCURVE		pH<2
19	V22210311A19	L2111197-07,31,10,10,,A	NYCURVE		pH<2
20	V22210311A20	L2111197-08,31,10,10,,A	NYCURVE		pH<2
21	V22210311A21	L2111197-09,31,10,10,,A	NYCURVE	TB	pH<2
22	V22210311A22	L2111151-01,31,10,10,,A	8260		pH<2
23	V22210311A23	L2111151-02,31,10,10,,A	8260		pH<2
24	V22210311A24	L2111151-03,31,10,10,,A	8260		pH<2
25	V22210311A25	L2111151-04,31,10,10,,A	8260		pH<2
26	V22210311A26	L2111103-01MS,31,10,10,,A1	NYTCL		pH<2
27	V22210311A27	L2111103-01MSD,31,10,10,,A2	NYTCL		pH<2

GC Extractable Analysis Polychlorinated Biphenyls (PCB)

Aroclor QC Summary

Surrogate Recovery Summary
Form 2
PCBs

Client: PS&S Engineering, Inc.
Project Name: FORMER BICC CABLES SITE

Lab Number: L2111103
Project Number: 05697.0006
Matrix: Water

GC Column 1: CLP-Pesticide
GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
RMW-3 (L2111103-01)	93	86	83	81			0
RMW-4 (L2111103-02)	91	62	79	58			0
DUP 1 (L2111103-03)	104	85	103	92			0
FB030521 (L2111103-04)	151*	140	36	50			1
WG1472552-1BLANK	151*	133	68	83			1
WG1472552-2LCS	131	124	56	78			0
WG1472552-3LCSD	139	129	56	79			0
RMW-3MS	90	84	90	85			0
RMW-3MSD	104	89	104	89			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
PCBs

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Matrix	: WATER		
LCS Sample ID	: WG1472552-2 **Analysis Date** : 03/12/21 10:39	**File ID**	: P2210312b-11
LCSD Sample ID	: WG1472552-3 **Analysis Date** : 03/12/21 10:47	**File ID**	: P2210312b-12

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Aroclor 1016	1.78	2.21	124	1.78	2.31	129	4	40-140	50
Aroclor 1260	1.78	1.53	86	1.78	1.52	85	1	40-140	50

Matrix Spike Sample Summary
Form 3
PCBs

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Client Sample ID	: RMW-3	**Matrix**	: WATER
Lab Sample ID	: L2111103-01	**Analysis Date**	: 03/12/21 20:12
Matrix Spike	: WG1472552-4	**MS Analysis Date**	: 03/12/21 20:20
Matrix Spike Dup	: WG1472552-5	**MSD Analysis Date**	: 03/12/21 20:28

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Aroclor 1016	ND	1.78	1.95	109	1.78	2.35	132	19	40-140	50
Aroclor 1260	0.389	1.78	2.10	96	1.78	2.36	110	12	40-140	50

Method Blank Summary
Form 4
PCBs

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab Sample ID	: WG1472552-1	**Lab File ID**	: P2210312b-10
Matrix	: WATER	**Extraction Date**	: 03/10/21
Sulfur Cleanup	: Y		
Analysis Date (1)	: 03/12/21 10:31	**Analysis Date (2)**	: 03/12/21 10:31
Instrument ID (1)	: PEST2	**Instrument ID (2)**	: PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1472552-2LCS	WG1472552-2	03/12/21 10:39	03/12/21 10:39
WG1472552-3LCSD	WG1472552-3	03/12/21 10:47	03/12/21 10:47
FB030521	L2111103-04	03/12/21 12:01	03/12/21 12:01
RMW-4	L2111103-02	03/12/21 19:55	03/12/21 19:55
DUP 1	L2111103-03	03/12/21 20:03	03/12/21 20:03
RMW-3	L2111103-01	03/12/21 20:12	03/12/21 20:12
RMW-3MS	WG1472552-4	03/12/21 20:20	03/12/21 20:20
RMW-3MSD	WG1472552-5	03/12/21 20:28	03/12/21 20:28

Analytical Sequence
Form 8b
PCBs

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Instrument ID	: PEST2	**Initial Calib. Date(s)**	: 01/12/21 01/12/21

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L1	R1391773-8	01/12/21 14:12
1016/1260 L2	R1391773-1	01/12/21 14:20
1016/1260 L3	R1391773-2	01/12/21 14:28
1016/1260 L4	R1391773-3	01/12/21 14:36
1016/1260 L5	R1391773-4	01/12/21 14:44
1016/1260 L6	R1391773-5	01/12/21 14:53
1242/1268 L4	R1391773-6	01/12/21 15:01
1232/1262 L4	R1391773-7	01/12/21 15:09
1248 L4	R1391773-9	01/12/21 15:17
1221/1254 L4	R1391773-11	01/12/21 15:25
R1391773-10 ICV	R1391773-10	01/12/21 16:15
R1391773-12 ICV	R1391773-12	01/12/21 16:23
R1391773-13 ICV	R1391773-13	01/12/21 16:31
R1391773-14 ICV	R1391773-14	01/12/21 16:39
R1391773-15 ICV	R1391773-15	01/12/21 16:47
WG1473696-1 CCAL	WG1473696-1	03/12/21 09:48
WG1472552-1 BLANK	WG1472552-1	03/12/21 10:31
WG1472552-2 LCS	WG1472552-2	03/12/21 10:39
WG1472552-3 LCSD	WG1472552-3	03/12/21 10:47
FB030521	L2111103-04	03/12/21 12:01
WG1473959-1 CCAL	WG1473959-1	03/12/21 16:57
WG1473959-2 CCAL	WG1473959-2	03/12/21 17:05

Analytical Sequence
Form 8b
PCBs

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Instrument ID	: PEST2	**Initial Calib. Date(s)**	: 03/12/21 03/12/21

Client ID	Lab ID	Date/Time Analyzed
1016/1260 L1	R1410362-1	03/12/21 15:35
1016/1260 L2	R1410362-2	03/12/21 15:44
1016/1260 L3	R1410362-3	03/12/21 15:52
1016/1260 L4	R1410362-4	03/12/21 16:00
1016/1260 L5	R1410362-5	03/12/21 16:08
1016/1260 L6	R1410362-11	03/12/21 16:16
1242/1268 L4	R1410362-6	03/12/21 16:24
1232/1262 L4	R1410362-7	03/12/21 16:33
1248 L4	R1410362-8	03/12/21 16:41
1221/1254 L4	R1410362-9	03/12/21 16:49
R1410362-10 ICV	R1410362-10	03/12/21 16:57
R1410362-12 ICV	R1410362-12	03/12/21 17:05
R1410362-14 ICV	R1410362-14	03/12/21 17:13
R1410362-13 ICV	R1410362-13	03/12/21 17:22
R1410362-15 ICV	R1410362-15	03/12/21 17:30
WG1473696-1 CCAL	WG1473696-1	03/12/21 09:48
WG1473959-1 CCAL	WG1473959-1	03/12/21 16:57
WG1473959-2 CCAL	WG1473959-2	03/12/21 17:05
RMW-4	L2111103-02	03/12/21 19:55
DUP 1	L2111103-03	03/12/21 20:03
RMW-3	L2111103-01	03/12/21 20:12
RMW-3 MS	WG1472552-4	03/12/21 20:20
RMW-3 MSD	WG1472552-5	03/12/21 20:28

Date Created: 08/27/18
Created By: Jason Hebert
File: PM5369-1
Page: 1

SW-846 8082A - Polychlorinated Biphenyls (SOIL)

Holding Time: 14 days
Container / Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	33.5	2.97	ug/kg	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	33.5	3.36	ug/kg	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	33.5	7.10	ug/kg	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	33.5	4.52	ug/kg	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	33.5	5.03	ug/kg	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	33.5	3.66	ug/kg	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	33.5	6.19	ug/kg	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	33.5	4.25	ug/kg	40-140	30	40-140	50	50			
Aroclor 1268	11100-14-4	33.5	3.47	ug/kg	40-140	30	40-140	50	50			
PCBs, Total	1336-36-3	33.5	2.97	ug/kg				50	50			
PCBs, Total	1336-36-3	33.5	2.97	ug/kg				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 08/27/18
Created By: Jason Hebert
File: PM5369-1
Page: 1

PCB - EPA 8082A (WATER)

Holding Time: 7 days
Container / Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	0.25	0.0156	ug/l	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	0.25	0.0221	ug/l	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	0.25	0.046	ug/l	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	0.25	0.0362	ug/l	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	0.25	0.0455	ug/l	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	0.25	0.0168	ug/l	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	0.25	0.0344	ug/l	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	0.25	0.033	ug/l	40-140	30	40-140	50	50			
Aroclor 1268	11100-14-4	0.25	0.0317	ug/l	40-140	30	40-140	50	50			
PCBs, Total	1336-36-3	0.25	0.0156	ug/l				50	50			
PCBs, Total	1336-36-3	0.25	0.0156	ug/l				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Aroclor Sample Data

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-01	**Date Collected**	: 03/05/21 09:10
Client ID	: RMW-3	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/12/21 20:12
Sample Matrix	: WATER	**Date Extracted**	: 03/10/21
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2210312c-09	**Analyst**	: JM
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	0.514	0.071	0.061	
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	0.389	0.071	0.061	
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	0.903	0.071	0.061	

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-02	**Date Collected**	: 03/05/21 11:55
Client ID	: RMW-4	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/12/21 19:55
Sample Matrix	: WATER	**Date Extracted**	: 03/10/21
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2210312c-07	**Analyst**	: JM
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	0.069	0.071	0.061	J
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	0.073	0.071	0.061	
1336-36-3	PCBs, Total	0.142	0.071	0.061	J

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-03	**Date Collected**	: 03/05/21 00:00
Client ID	: DUP 1	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/12/21 20:03
Sample Matrix	: WATER	**Date Extracted**	: 03/10/21
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2210312c-08	**Analyst**	: JM
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	0.413	0.071	0.061	
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	0.413	0.071	0.061	

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: L2111103-04	**Date Collected**	: 03/05/21 10:20
Client ID	: FB030521	**Date Received**	: 03/05/21
Sample Location	: YONKERS, NY	**Date Analyzed**	: 03/12/21 12:01
Sample Matrix	: WATER	**Date Extracted**	: 03/10/21
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2210312b-21	**Analyst**	: CW
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab ID	: WG1472552-1	**Date Collected**	: NA
Client ID	: WG1472552-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/12/21 10:31
Sample Matrix	: WATER	**Date Extracted**	: 03/10/21
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2210312b-10	**Analyst**	: CW
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 12:01 pm
Operator : pest2:cw
Sample : L2111103-04,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 12:09:10 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312B\P2210312b-06.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.158	1.228	141.5E6	40339806	25.000M4	25.000
	Standard Area 1 : #1 = 145484768				Recovery =	97.28%	
	Standard Area 1 : #2 = 45687335				Recovery =	88.30%	
14) i	2154_1br2nb	1.158	1.228	141.5E6	40339806	25.000M4	25.000
23) i	4268_1br2nb	1.158	1.228	141.5E6	40339806	25.000M4	25.000
34) i	1248_1br2nb	1.158	1.228	141.5E6	40339806	25.000M4	25.000
40) i	3262_1br2nb	1.158	1.228	141.5E6	40339806	25.000M4	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.448	1.610	190.9E6	52157468	30.263	27.973
	Spiked Amount 20.000	Range 30 - 150			Recovery =	151.32%#	139.87%
3) s	Decachlorobi	4.025	4.555	40103863	15601931	7.168M4	10.086M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	35.84%	50.43%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 12:01 pm
Operator : pest2:cw
Sample : L2111103-04,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 12:09:10 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312B\P2210312b-06.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 12:01 pm
Operator : pest2:cw
Sample : L2111103-04,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 12:09:10 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312B\P2210312b-06.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

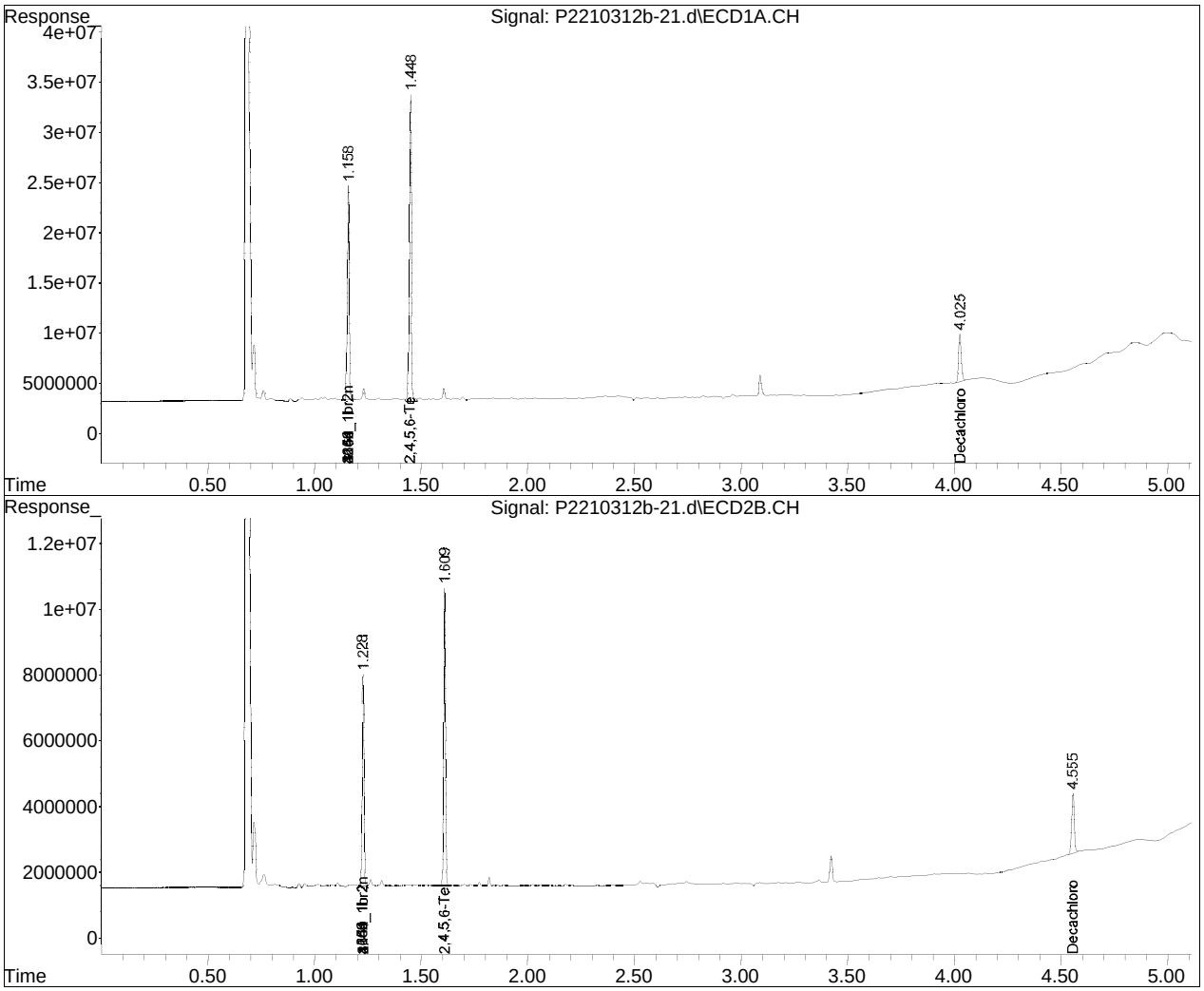
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Sub List : Default - All compounds listedP2210312b-06.d••

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 12:01 pm
Operator : pest2:cw
Sample : L2111103-04,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 12:09:10 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

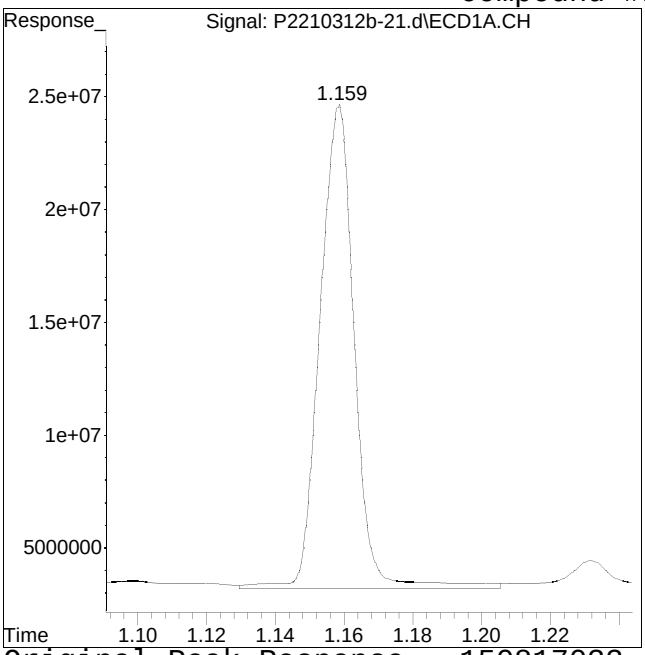
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

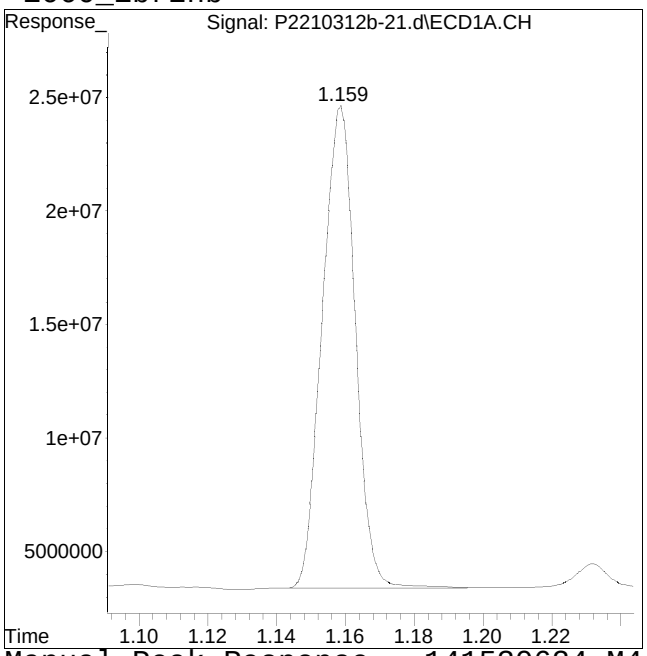


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-21.d Operator : pest2:cw
Date Inj'd : 3/12/2021 12:01 pm Instrument : PEST 2
Sample : L2111103-04,42,, rr Quant Date : 3/12/2021 12:08 pm

Compound #1: 1660_1br2nb



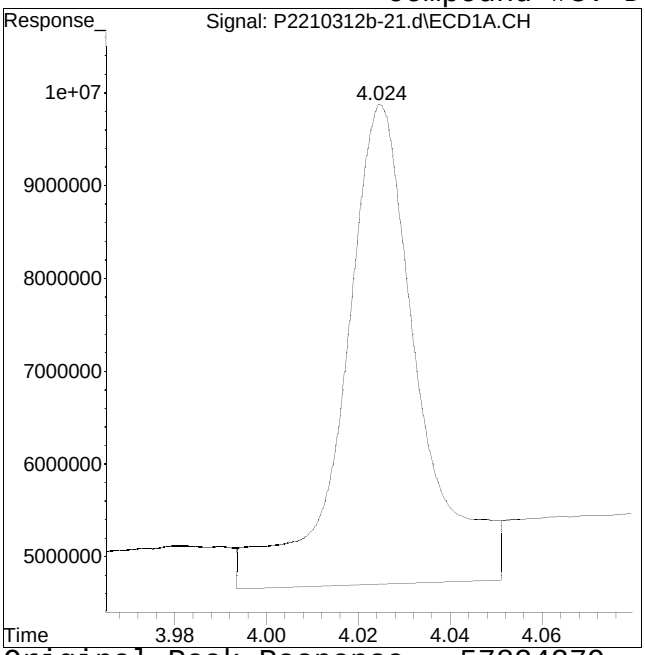


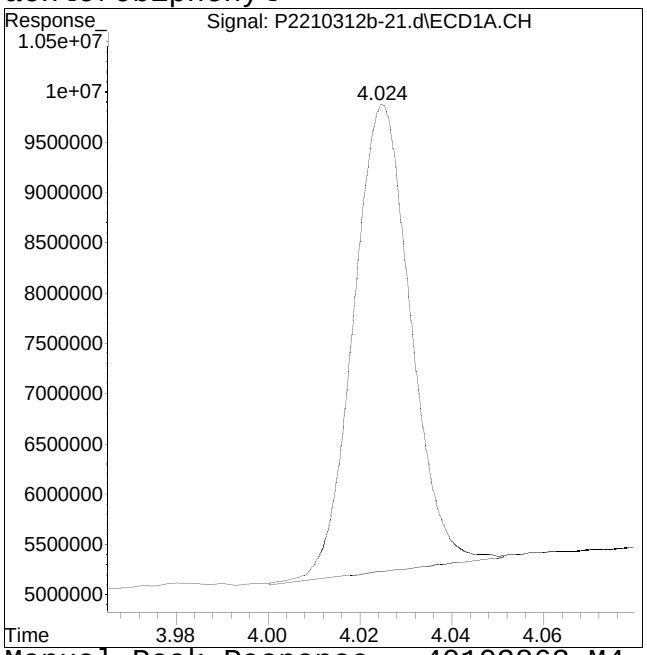
Original Peak Response = 150817033 Manual Peak Response = 141530624 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-21.d Operator : pest2:cw
Date Inj'd : 3/12/2021 12:01 pm Instrument : PEST 2
Sample : L2111103-04,42,, rr Quant Date : 3/12/2021 12:08 pm

Compound #3: Decachlorobiphenyl



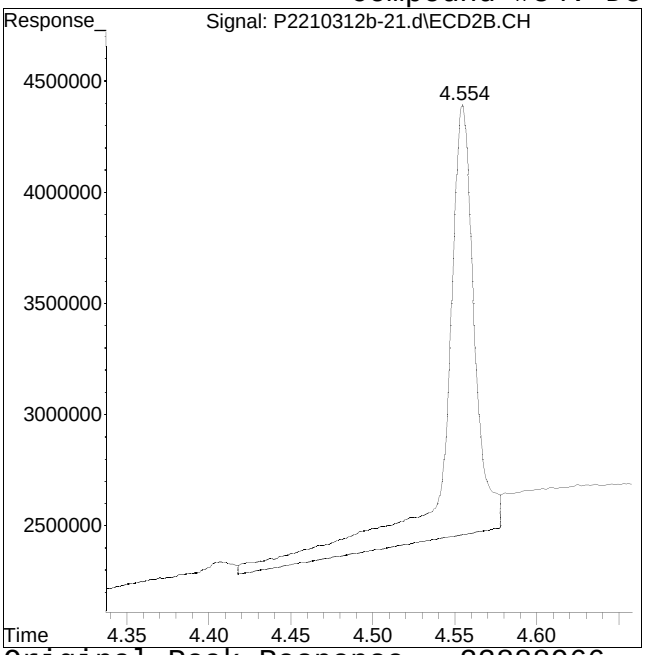


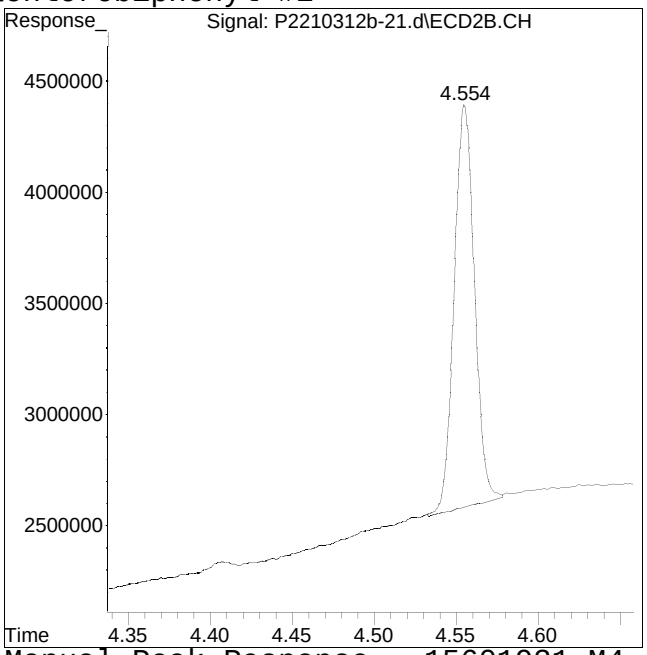
Original Peak Response = 57824279 Manual Peak Response = 40103863 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-21.d Operator : pest2:cw
Date Inj'd : 3/12/2021 12:01 pm Instrument : PEST 2
Sample : L2111103-04,42,, rr Quant Date : 3/12/2021 12:08 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 23888966 Manual Peak Response = 15601931 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 7:55 pm
Operator : pest2:jm
Sample : L2111103-02,42,,rr
Misc : wg1473959,wg1472552,ical17720
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:42:03 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.152	1.220	173.3E6	76106927	25.000	25.000
	Standard Area 1 : #1 = 186774174				Recovery =	92.78%	
	Standard Area 1 : #2 = 55987551				Recovery =	135.94%	
14) i	2154_1br2nb	1.152	1.220	173.3E6	76106927	25.000	25.000
23) i	4268_1br2nb	1.152	1.220	173.3E6	76106927	25.000	25.000
34) i	1248_1br2nb	1.152	1.220	173.3E6	76106927	25.000	25.000
40) i	3262_1br2nb	1.152	1.220	173.3E6	76106927	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.442	1.601	152.7E6	42468833	18.199	12.358
	Spiked Amount 20.000	Range 30 - 150			Recovery =	91.00%	61.79%
3) s	Decachlorobi	4.028	4.555	117.9E6	33486798	15.775M4	11.641M3
	Spiked Amount 20.000	Range 30 - 150			Recovery =	78.88%	58.20%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1						0.000	0.000
9) l2	1260-1	2.692	3.072	4402866	1880965	10.116M4	9.899M4
10) l2	1260-2	2.822	3.174	5476158	1659992	8.422M4	7.413M4
11) l2	1260-3	0.000	3.569	0	2208074	N.D. d	11.280M4
12) l2	1260-4	3.295	3.699	9574869	3183347	10.497M4	8.430M4
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			19453893	8932378	29.035	37.021
Average 1260-1						9.678	9.255
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 7:55 pm
Operator : pest2:jm
Sample : L2111103-02,42,,rr
Misc : wg1473959,wg1472552,ical17720
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:42:03 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	3.461	3.896	8569040	4342087	6.629M2	8.604M2
30) l9 1268-2	3.478	3.936	15029316	5423571	12.354M4	11.280M2
31) l9 1268-3	3.582	4.065	4119590	1433455	4.539M4	4.041M4
32) l9 1268-4	3.770	4.218	10040308	2825413	23.145M2	17.804M4
33) l9 1268-5	3.925	4.405	12117282	3968938	4.372M4	3.891M4
Sum 1268-1			49875537	17993464	51.039	45.621
Average 1268-1					10.208	9.124
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 7:55 pm
Operator : pest2:jm
Sample : L2111103-02,42,,rr
Misc : wg1473959,wg1472552,ical17720
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:42:03 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

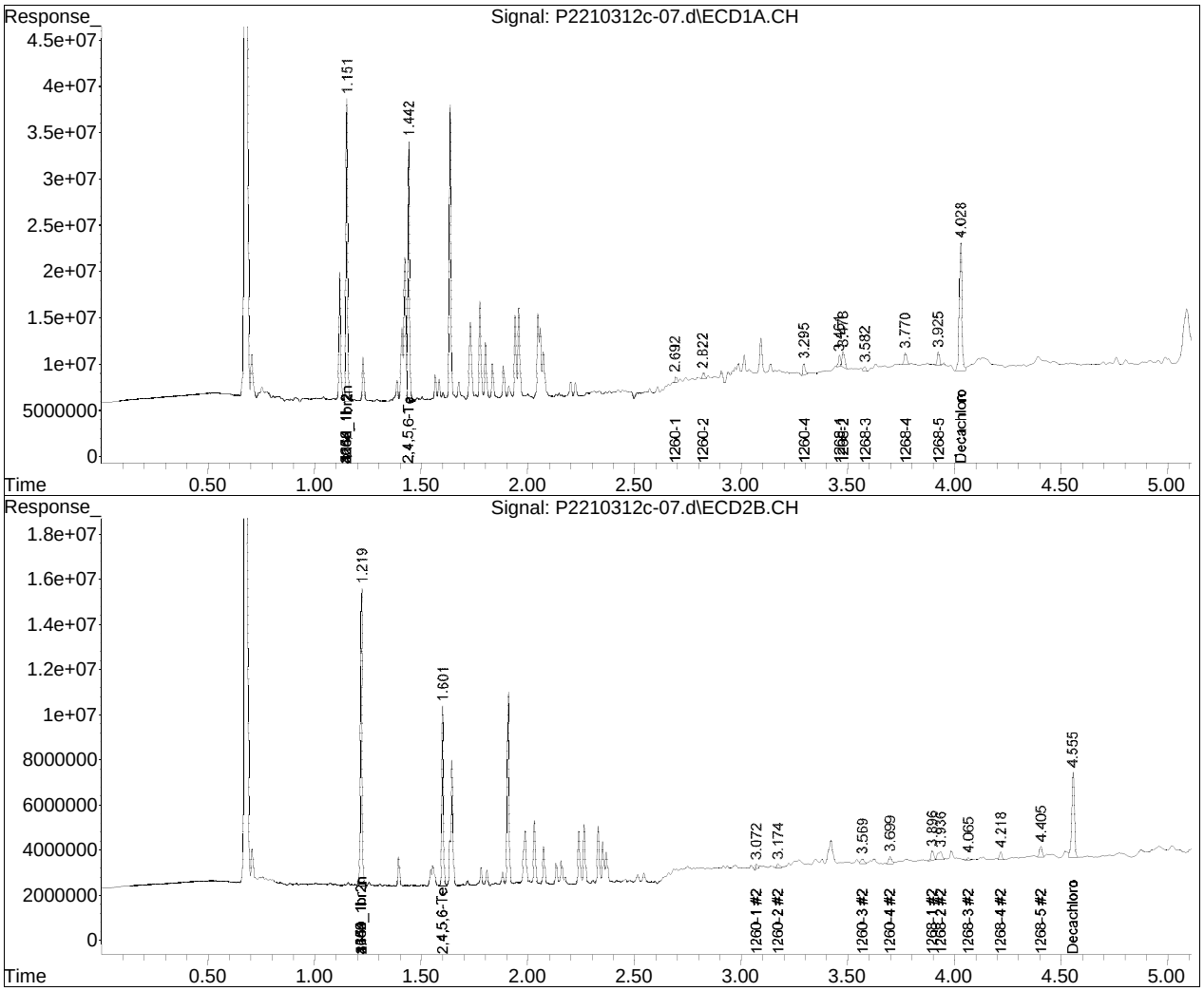
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2210312c-01.d••

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 7:55 pm
Operator : pest2:jm
Sample : L2111103-02,42,,rr
Misc : wg1473959,wg1472552,ical17720
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:42:03 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

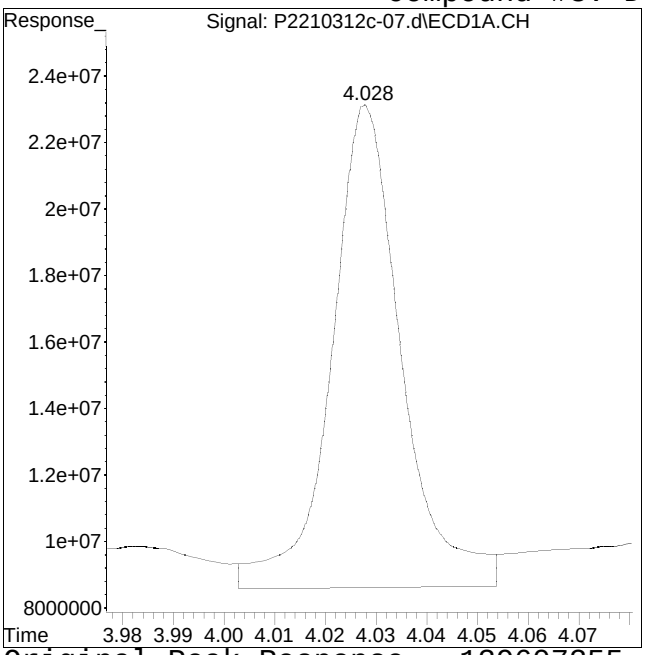
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

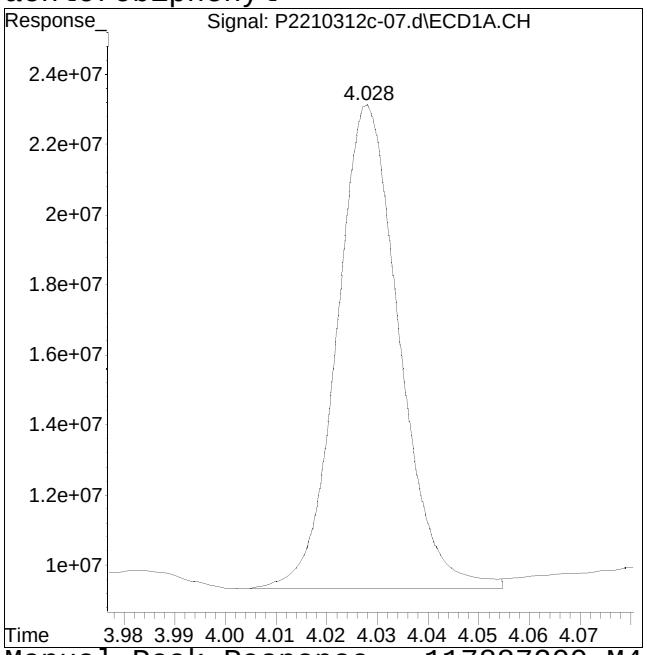


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #3: Decachlorobiphenyl



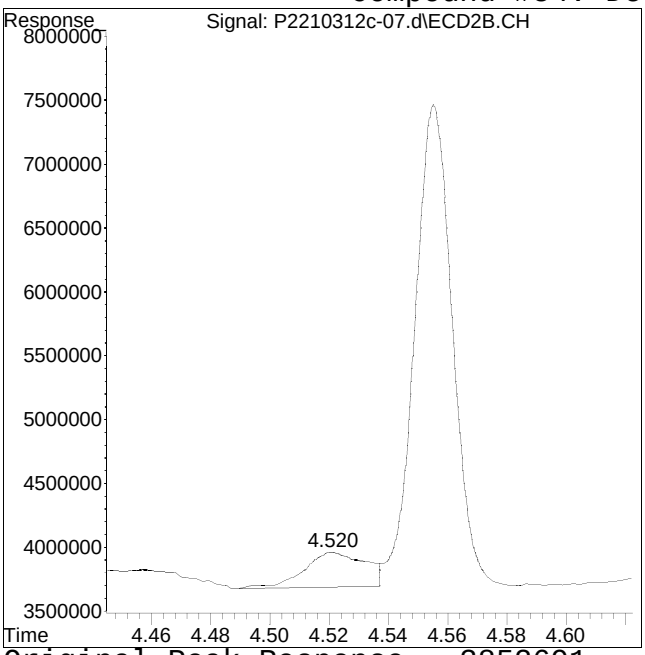


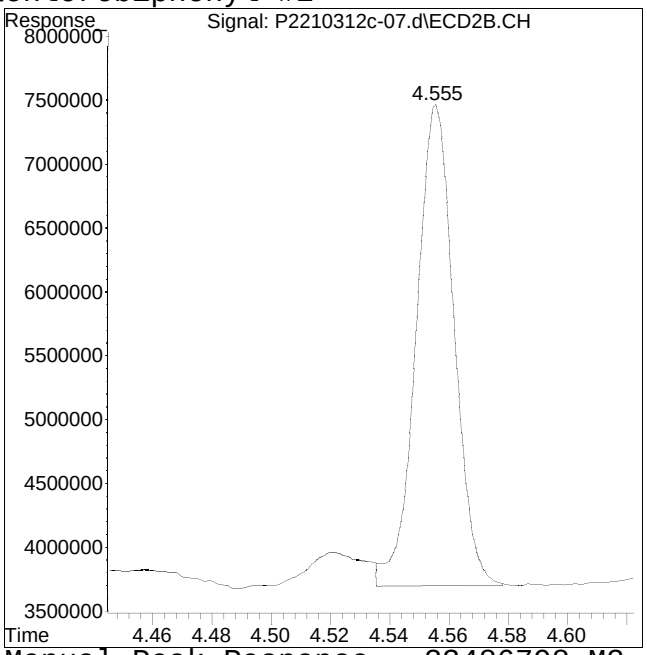
Original Peak Response = 139607355 Manual Peak Response = 117887200 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #54: Decachlorobiphenyl #2



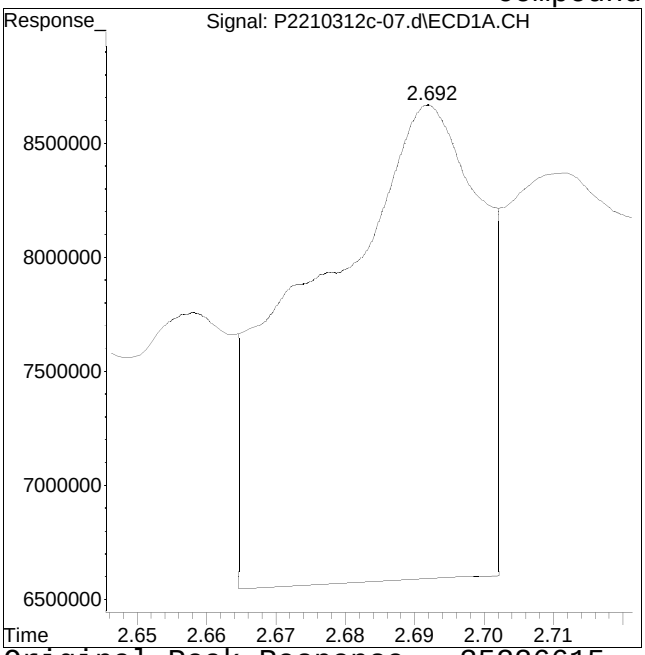


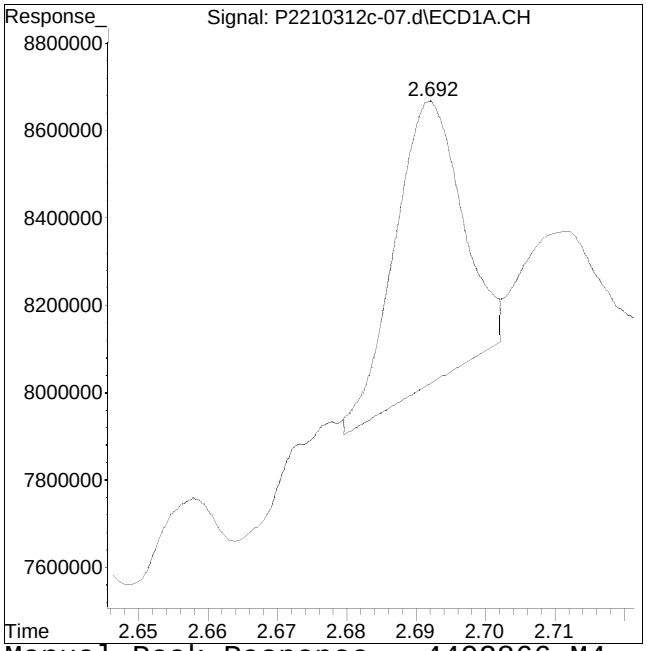
Original Peak Response = 3852691 Manual Peak Response = 33486798 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #9: 1260-1



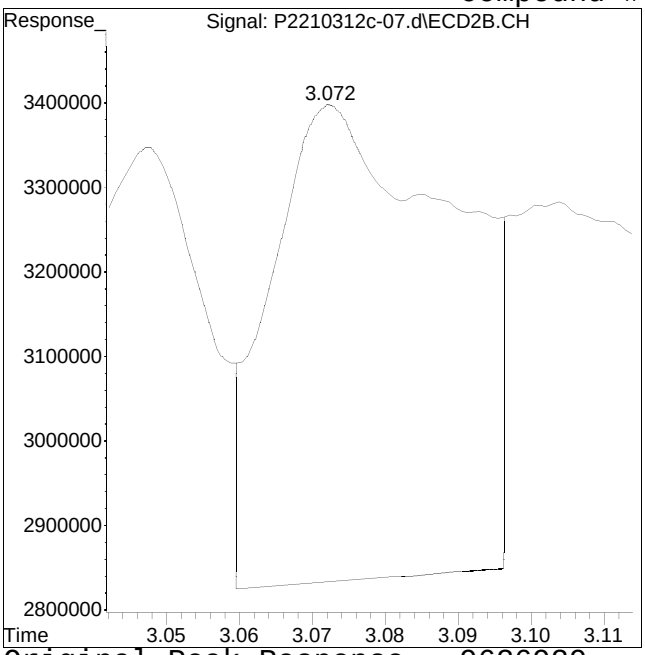


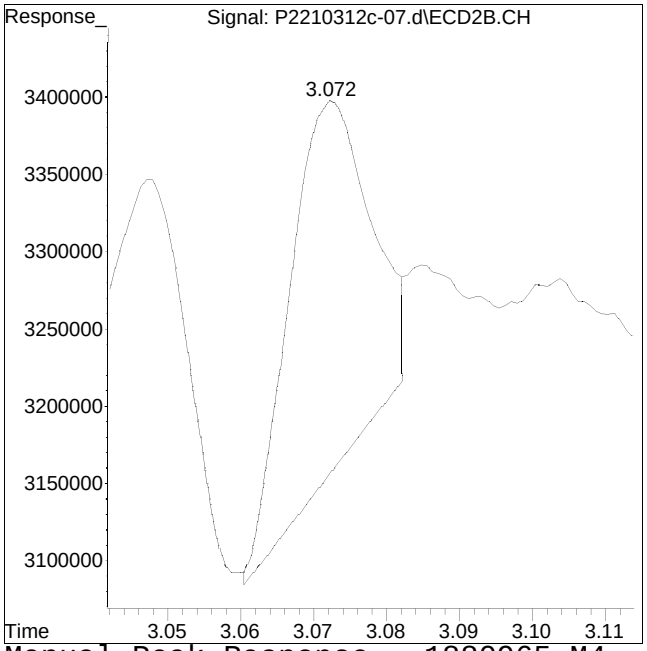
Original Peak Response = 35226615 Manual Peak Response = 4402866 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #60: 1260-1 #2



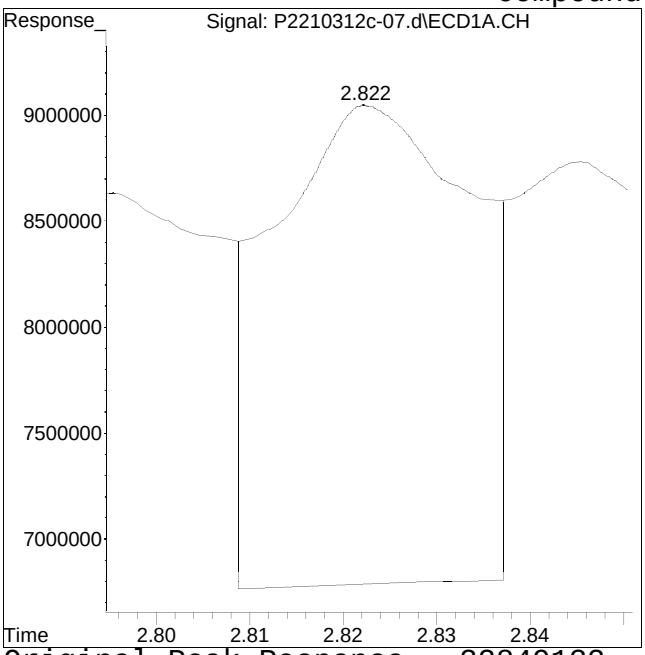


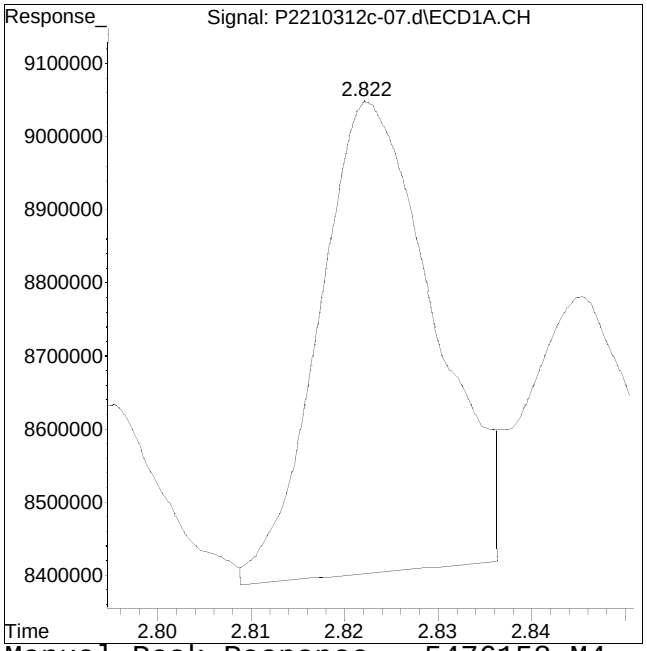
Original Peak Response = 9626929 Manual Peak Response = 1880965 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #10: 1260-2



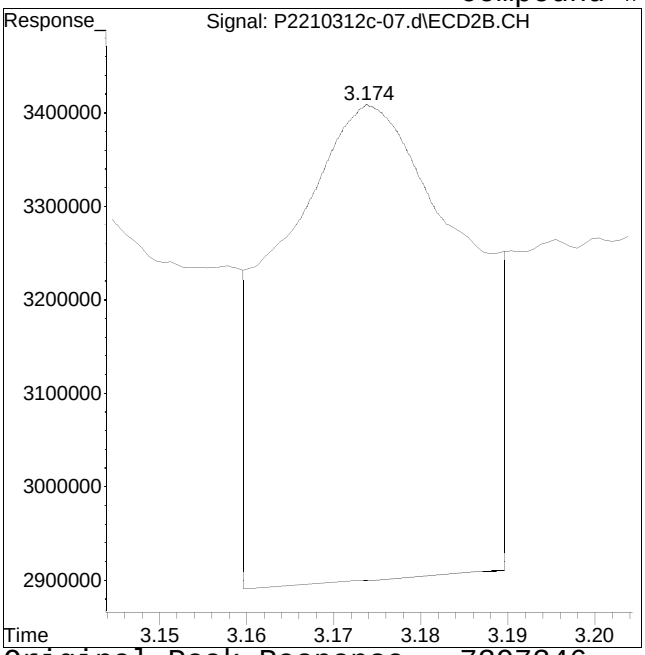


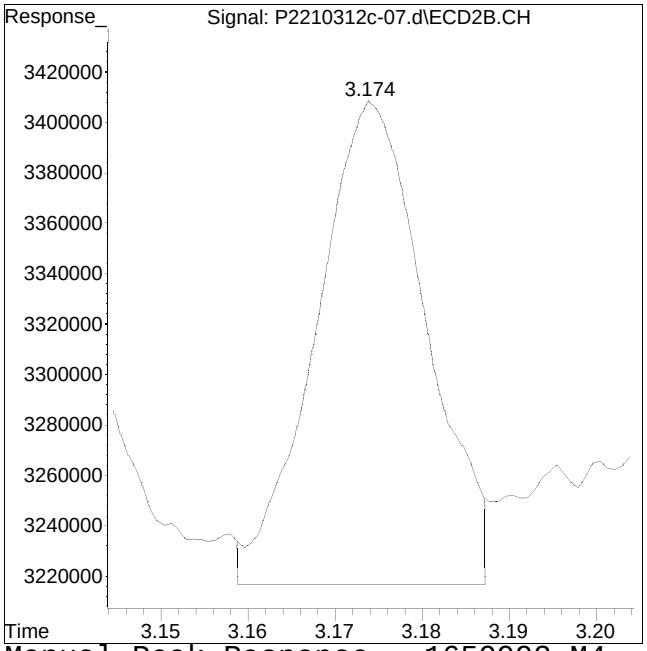
Original Peak Response = 32849132 Manual Peak Response = 5476158 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #61: 1260-2 #2



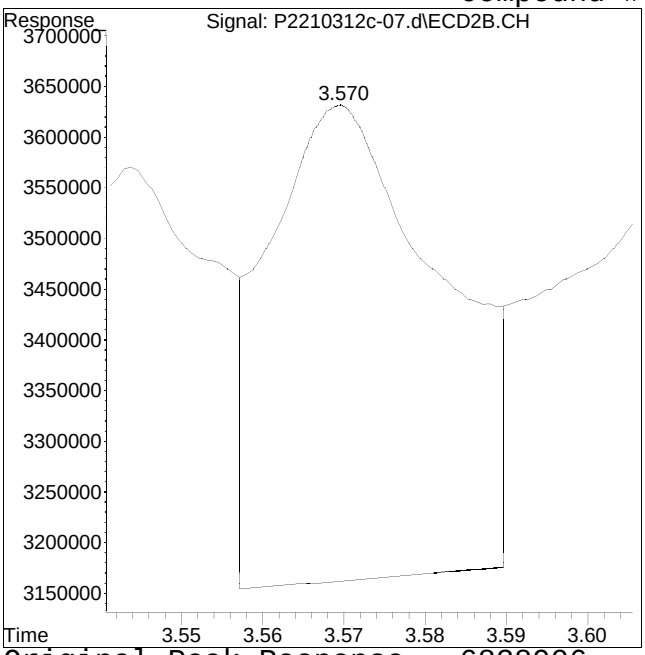


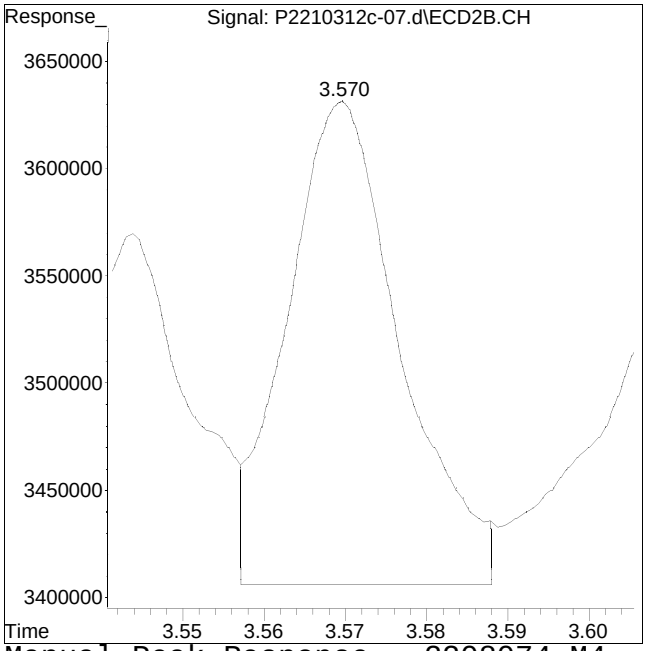
Original Peak Response = 7397346 Manual Peak Response = 1659992 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #62: 1260-3 #2



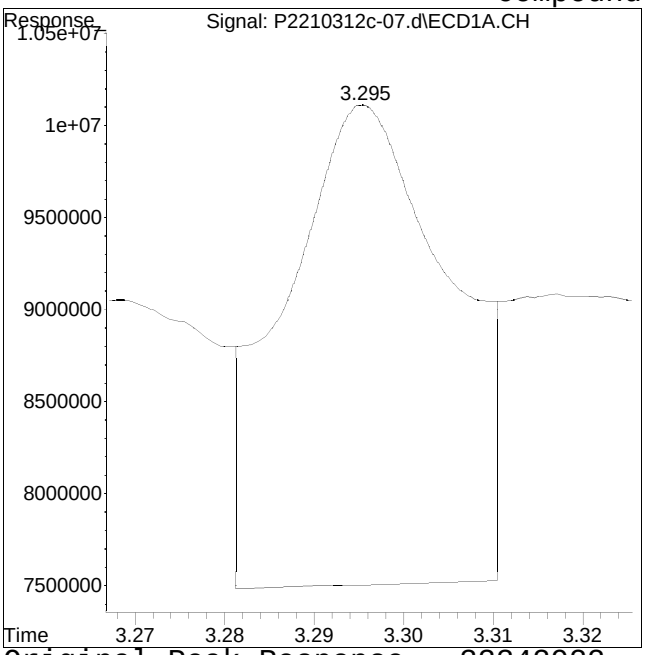


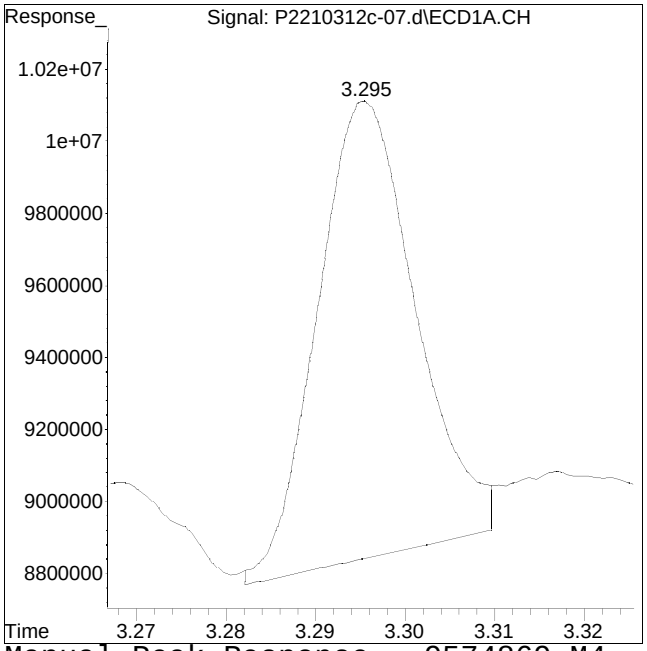
Original Peak Response = 6838906 Manual Peak Response = 2208074 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #12: 1260-4



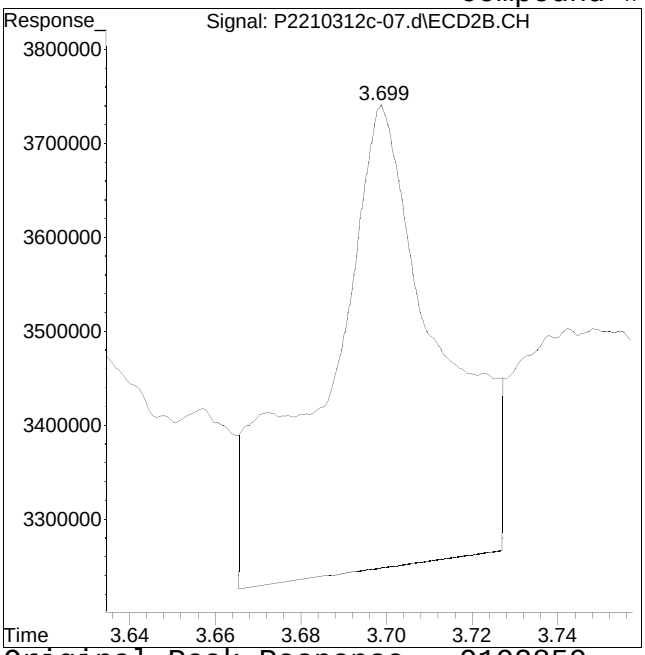


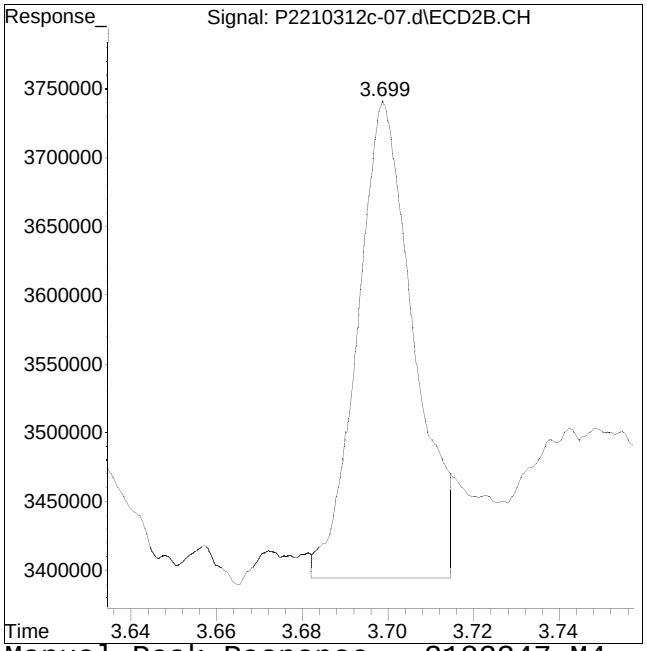
Original Peak Response = 33342922 Manual Peak Response = 9574869 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #63: 1260-4 #2



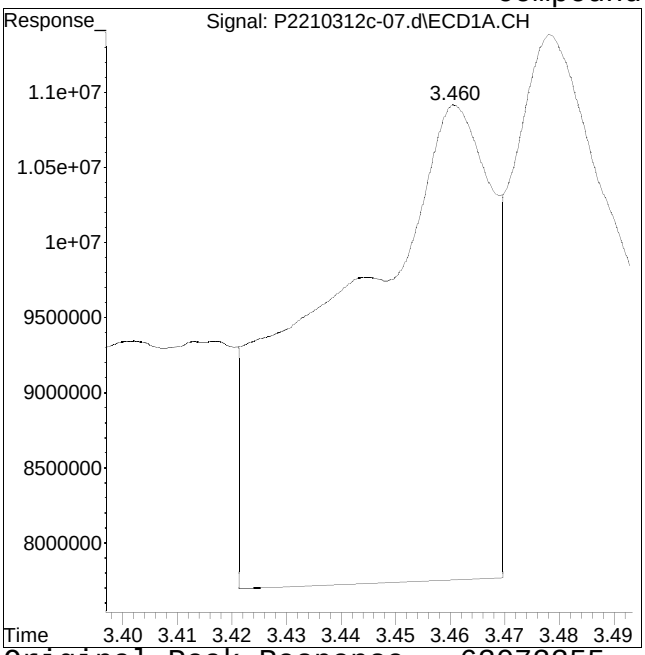


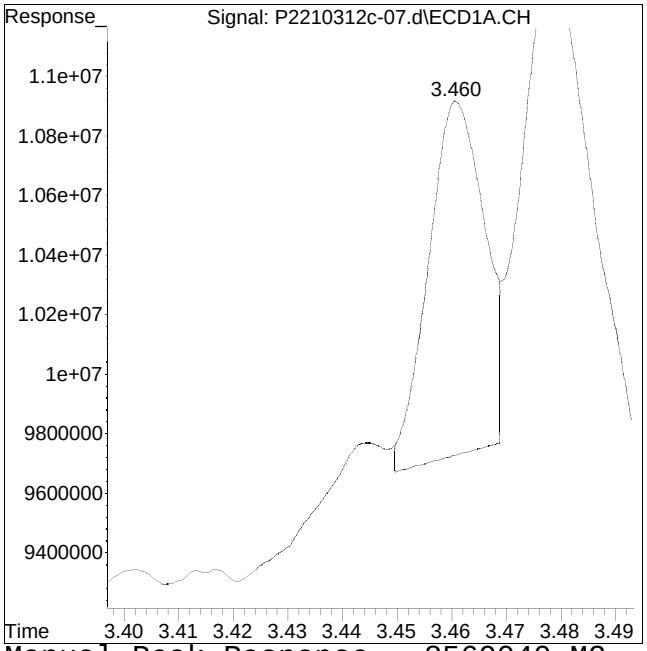
Original Peak Response = 9192859 Manual Peak Response = 3183347 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #29: 1268-1



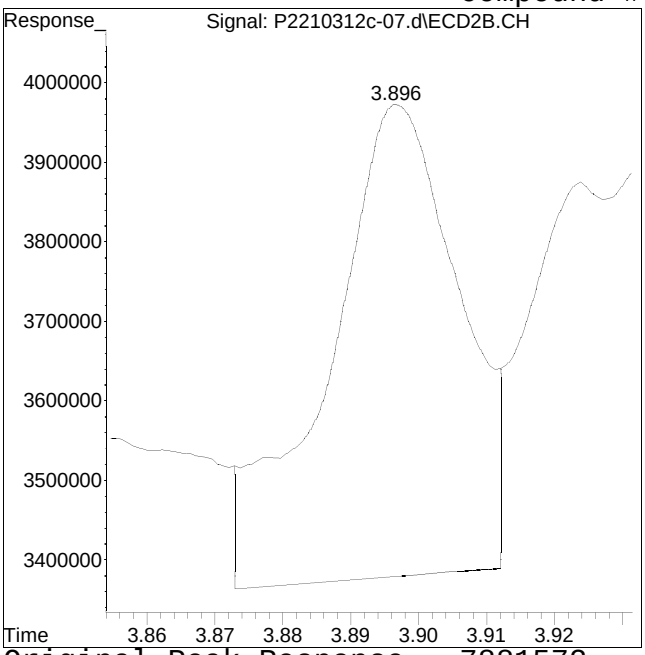


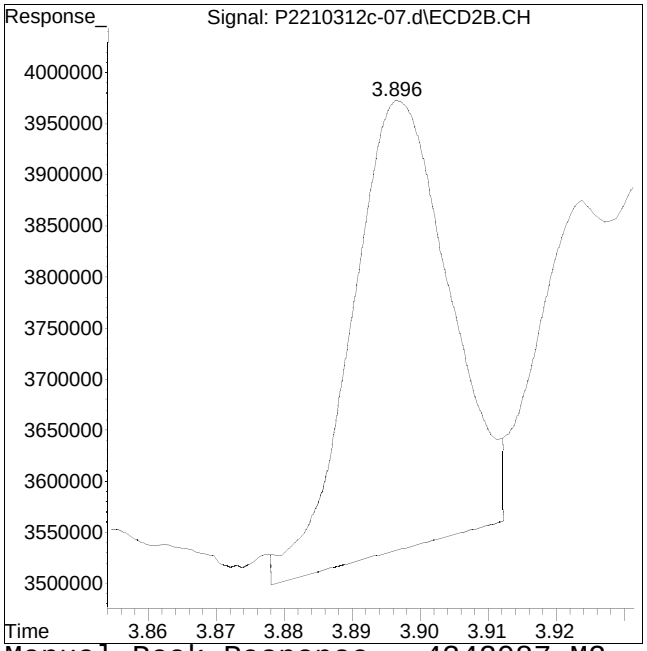
Original Peak Response = 63073355 Manual Peak Response = 8569040 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #80: 1268-1 #2



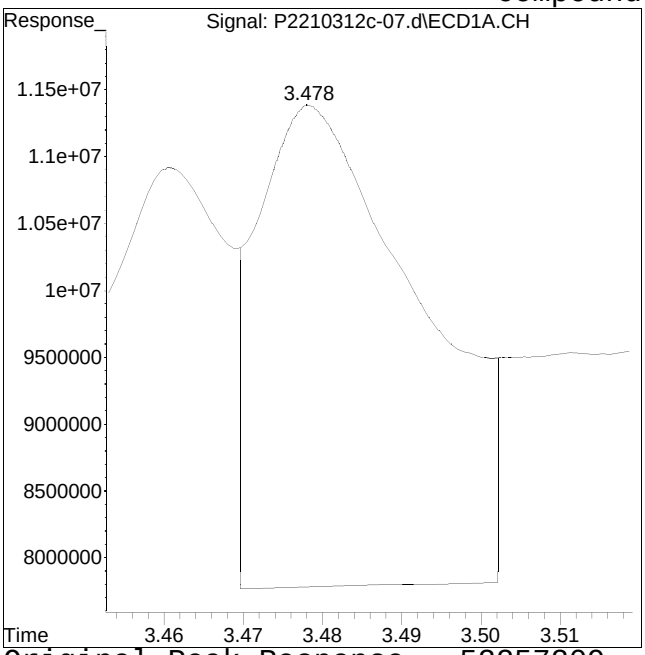


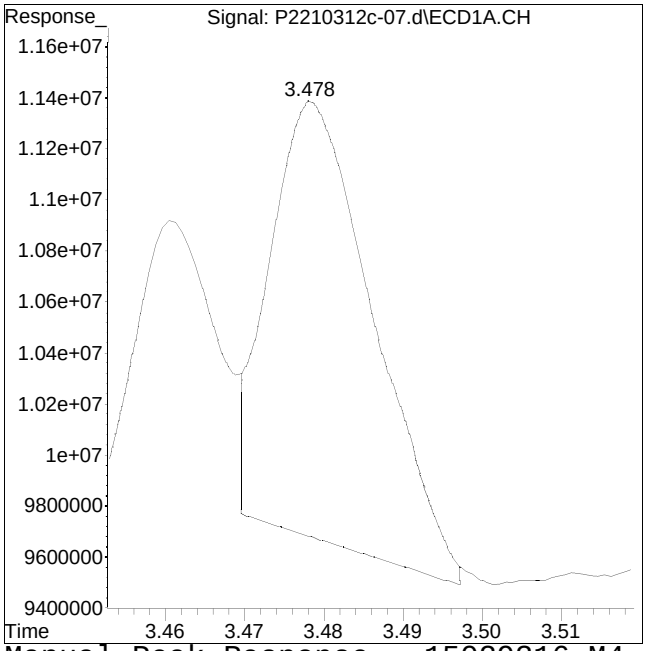
Original Peak Response = 7881572 Manual Peak Response = 4342087 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #30: 1268-2



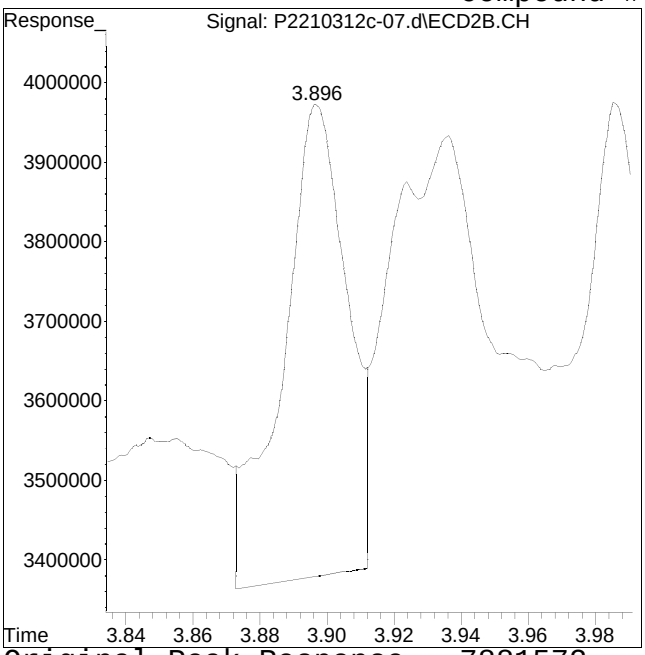


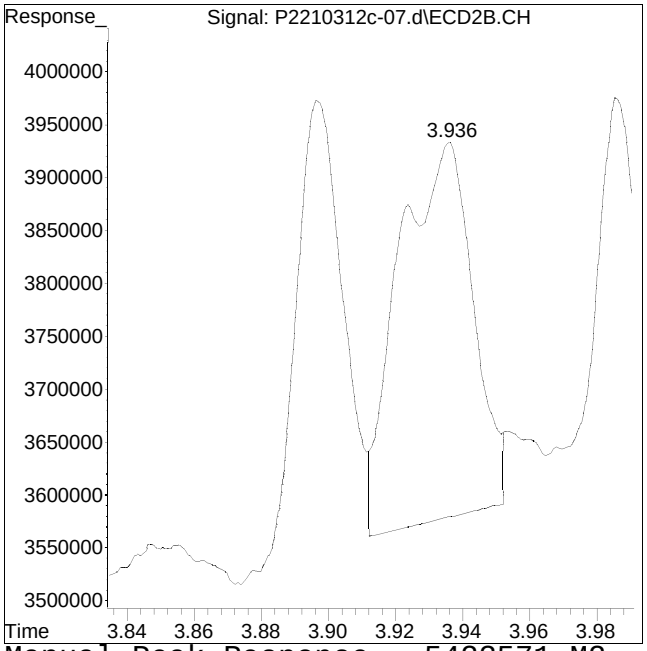
Original Peak Response = 52257209 Manual Peak Response = 15029316 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #81: 1268-2 #2



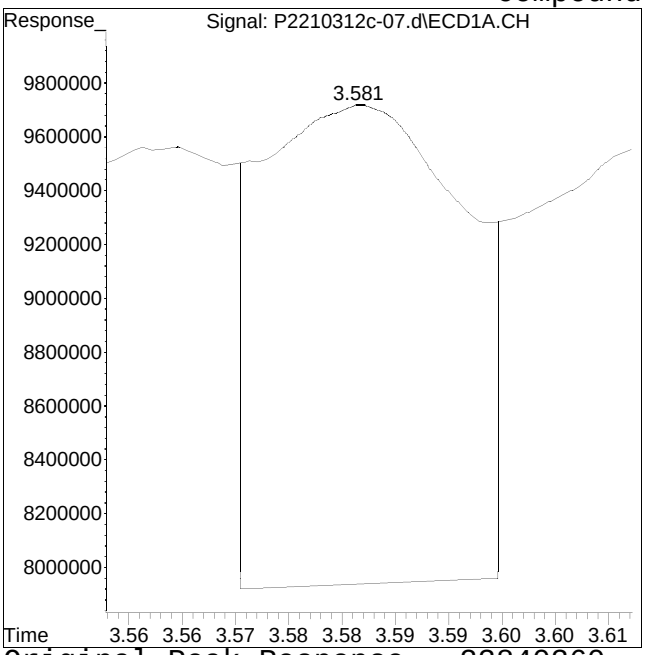


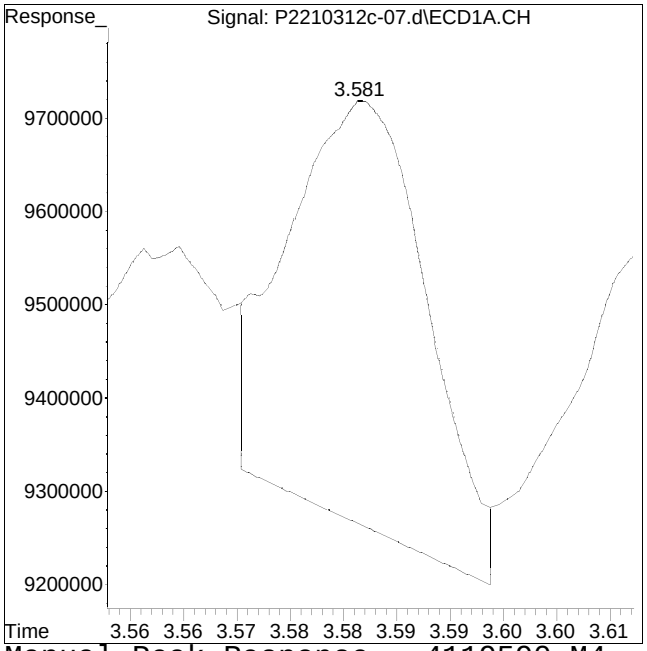
Original Peak Response = 7881572 Manual Peak Response = 5423571 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #31: 1268-3



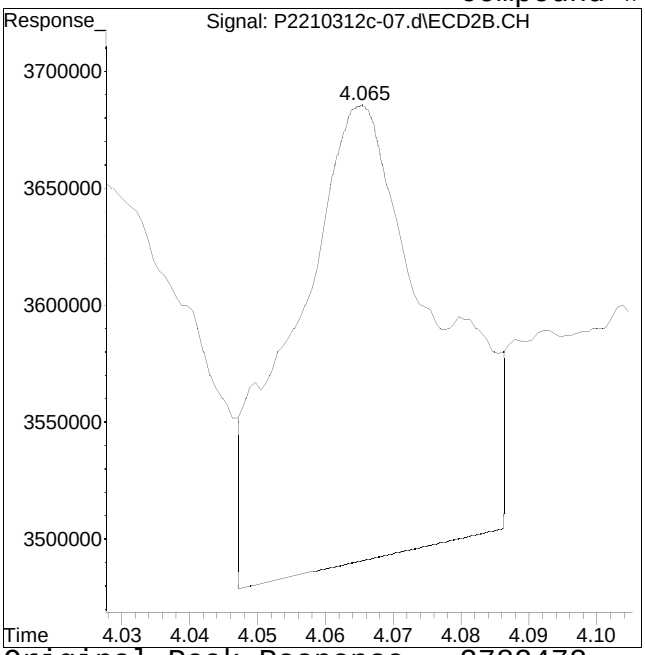


Original Peak Response = 23840360 Manual Peak Response = 4119590 M4
M4 = Poor automated baseline construction.

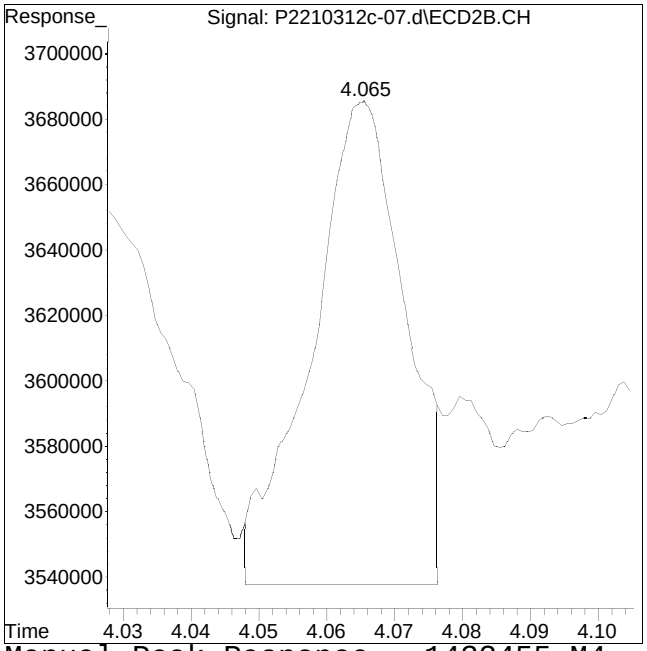
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #82: 1268-3 #2



Original Peak Response = 2782472



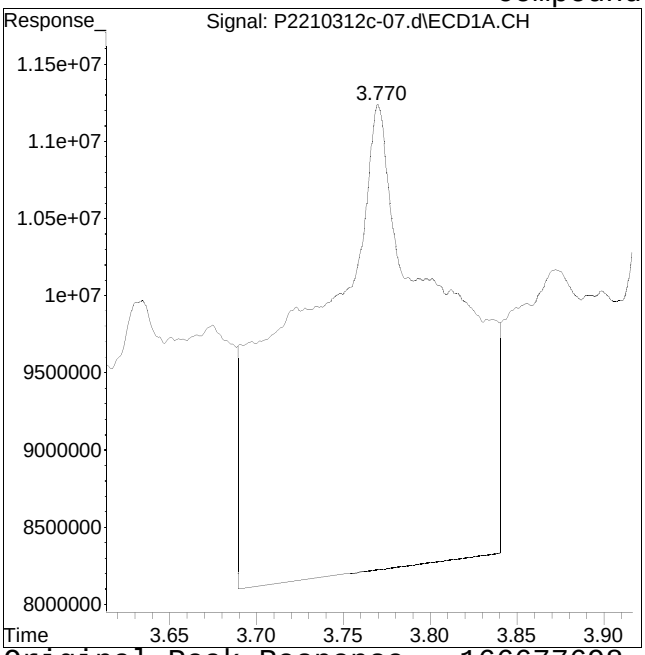
Manual Peak Response = 1433455 M4

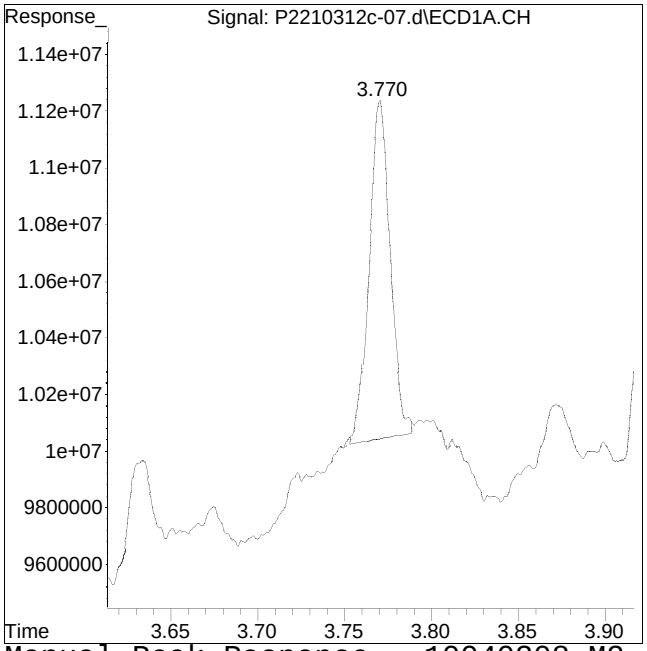
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #32: 1268-4



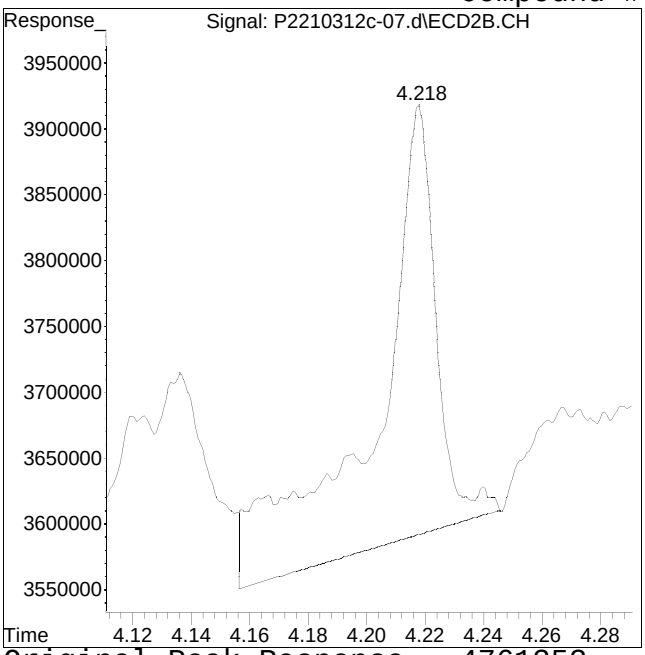


Original Peak Response = 166677698 Manual Peak Response = 10040308 M2
M2 = Peak not found by automatic integration algorithm.

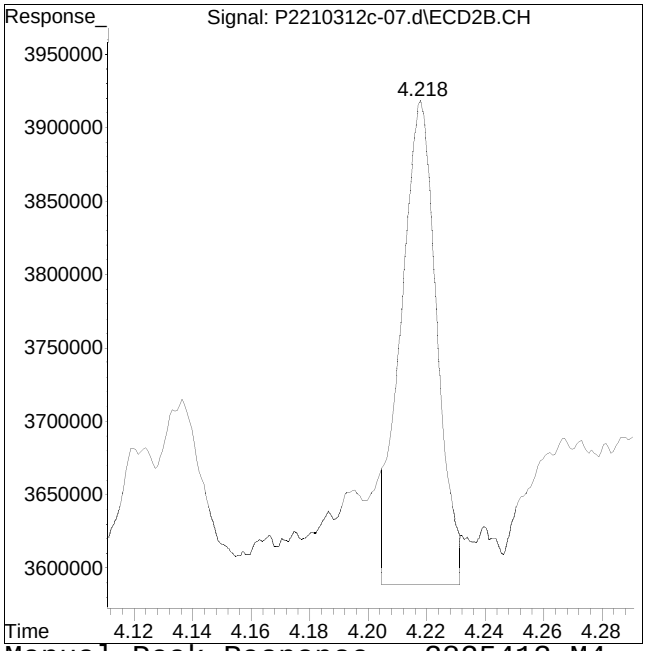
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #83: 1268-4 #2



Original Peak Response = 4761353



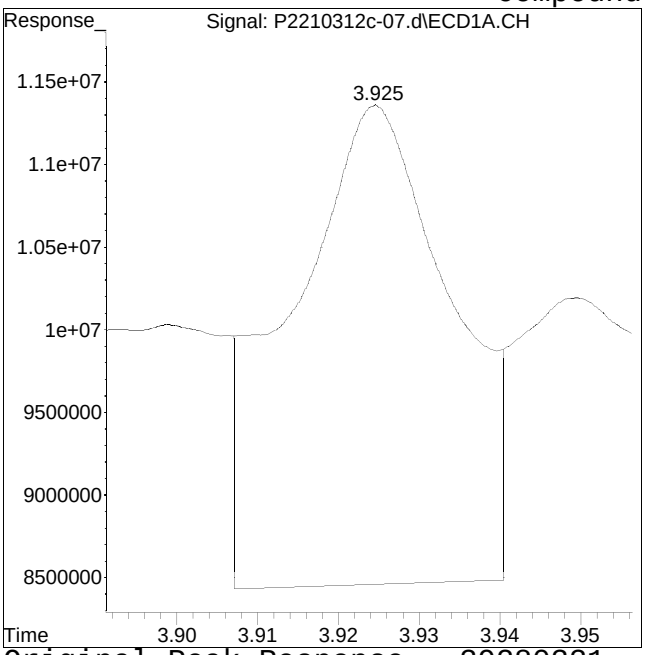
Manual Peak Response = 2825413 M4

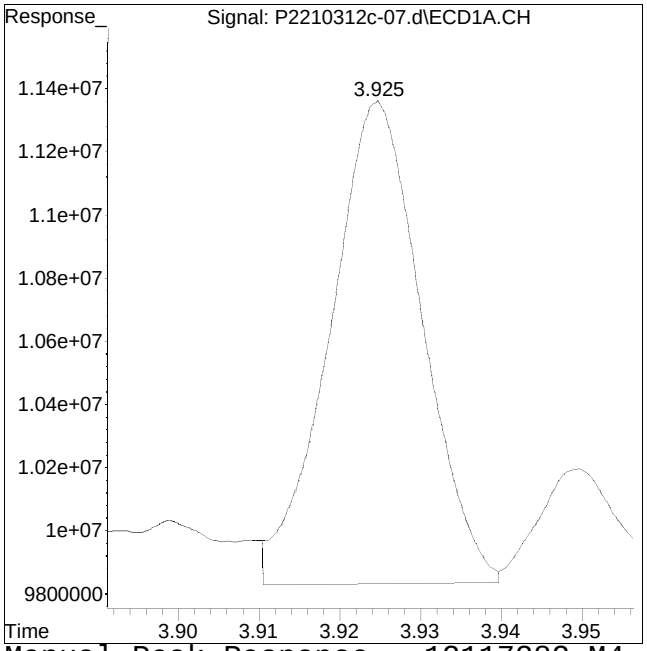
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #33: 1268-5



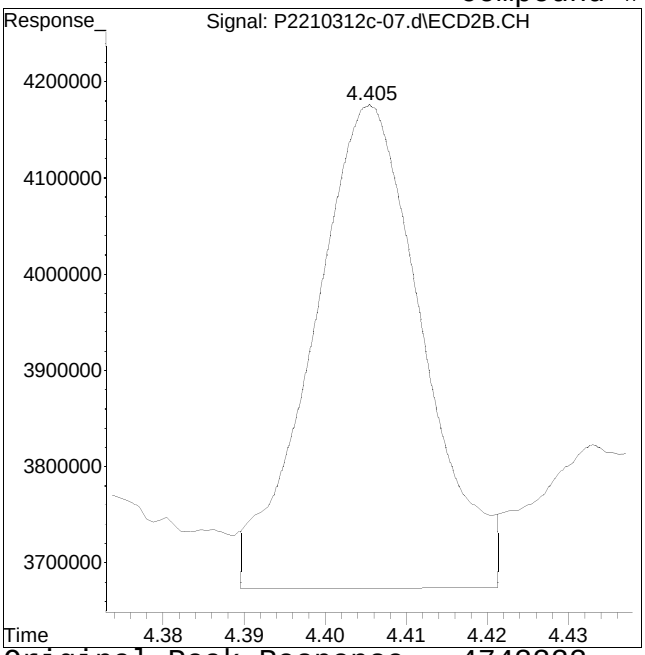


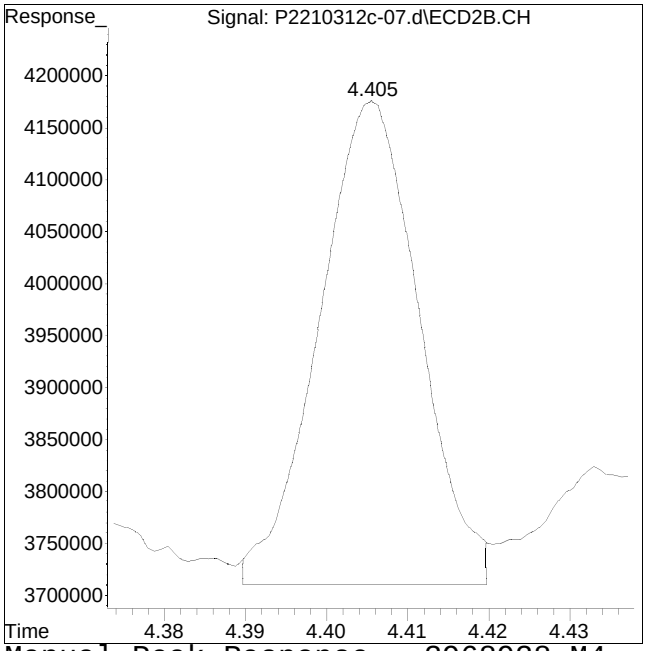
Original Peak Response = 39280331 Manual Peak Response = 12117282 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-07.d Operator : pest2:jm
Date Inj'd : 3/12/2021 7:55 pm Instrument : PEST 2
Sample : L2111103-02,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #84: 1268-5 #2





Original Peak Response = 4743323 Manual Peak Response = 3968938 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:03 pm
Operator : pest2:jm
Sample : L2111103-03,42,,rr
Misc : wg1473959,wg1472552,ical17720
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:43:52 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.150	1.220	154.5E6	57256863	25.000	25.000
	Standard Area 1 : #1 = 186774174				Recovery =		82.71%
	Standard Area 1 : #2 = 55987551				Recovery =		102.27%
14) i	2154_1br2nb	1.150	1.220	154.5E6	57256863	25.000	25.000
23) i	4268_1br2nb	1.150	1.220	154.5E6	57256863	25.000	25.000
34) i	1248_1br2nb	1.150	1.220	154.5E6	57256863	25.000	25.000
40) i	3262_1br2nb	1.150	1.220	154.5E6	57256863	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.439	1.601	155.7E6	43759566	20.813	16.926
	Spiked Amount 20.000	Range 30 - 150		Recovery =		104.06%	84.63%
3) s	Decachlorobi	4.021	4.551	137.7E6	40031748	20.671M4	18.498
	Spiked Amount 20.000	Range 30 - 150		Recovery =		103.35%	92.49%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:03 pm
Operator : pest2:jm
Sample : L2111103-03,42,,rr
Misc : wg1473959,wg1472552,ical17720
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:43:52 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	1.580	1.806	11323497	4066977	110.872	107.842
25) l6 1242-2	1.725	1.979	17790229	5621631	83.886	66.327
26) l6 1242-3	1.903	2.173	14773971	3666927	30.360M4	21.557
27) l6 1242-4	1.967	2.239	1247080	1087099	6.259M4	16.007
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			45134777	14442634	231.376	211.734
Average 1242-1					57.844	52.933
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:03 pm
Operator : pest2:jm
Sample : L2111103-03,42,,rr
Misc : wg1473959,wg1472552,ical17720
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:43:52 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

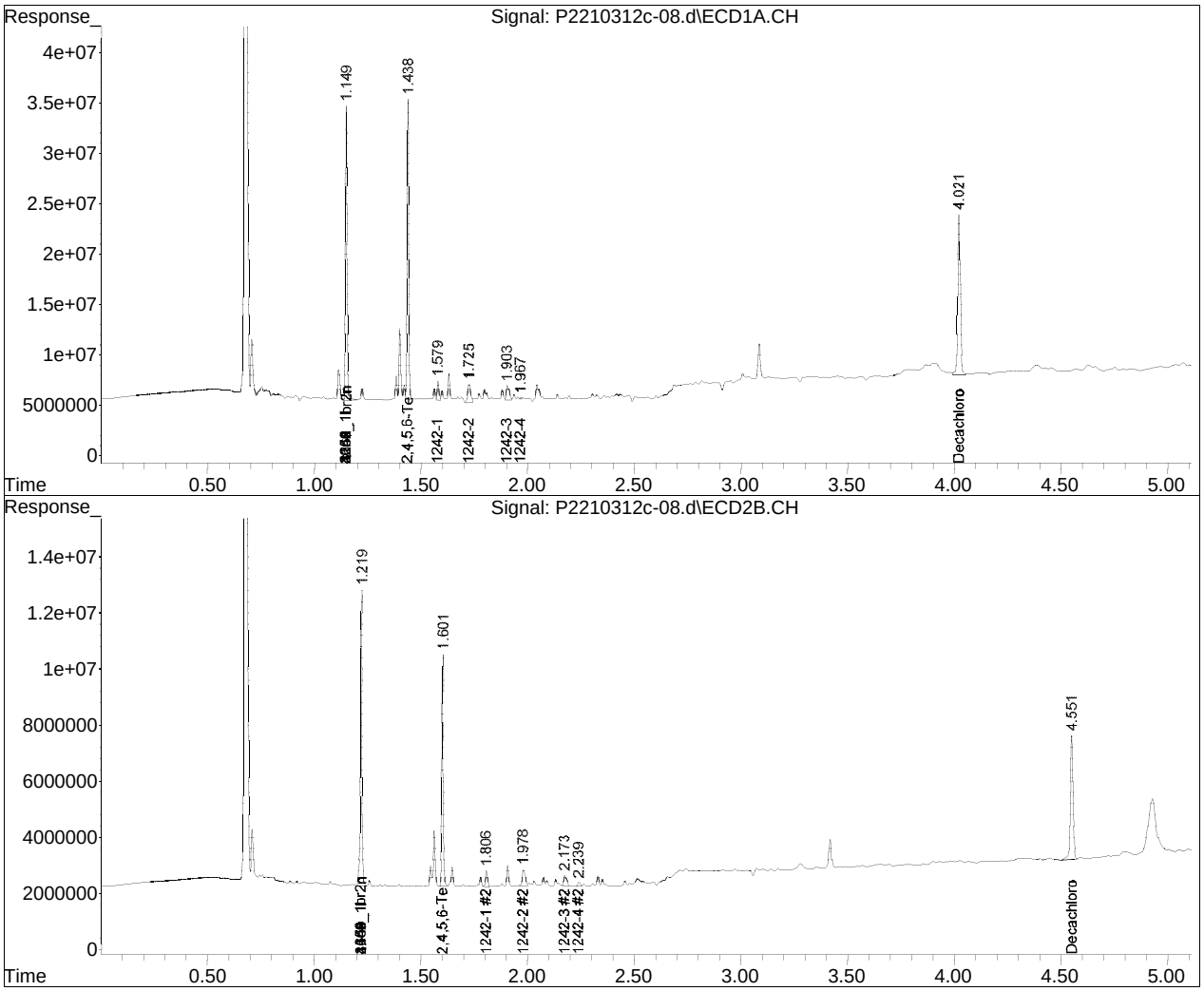
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2210312c-01.d••

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:03 pm
Operator : pest2:jm
Sample : L2111103-03,42,,rr
Misc : wg1473959,wg1472552,ical17720
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:43:52 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

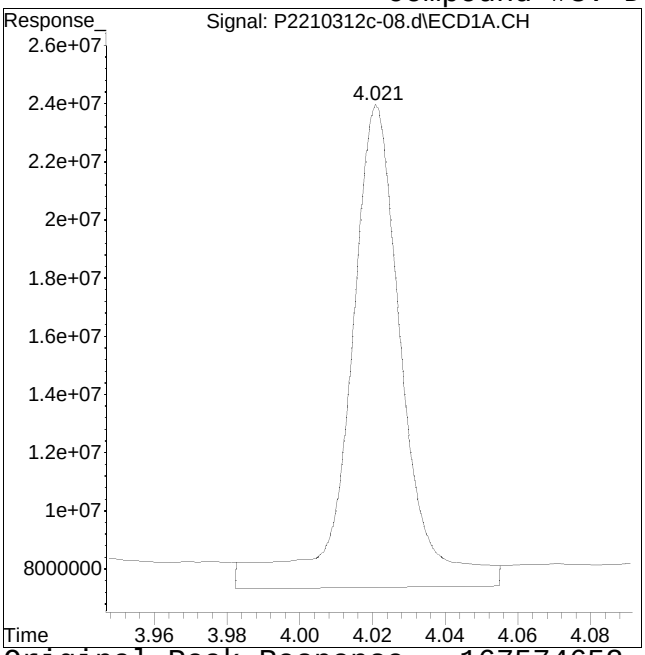
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



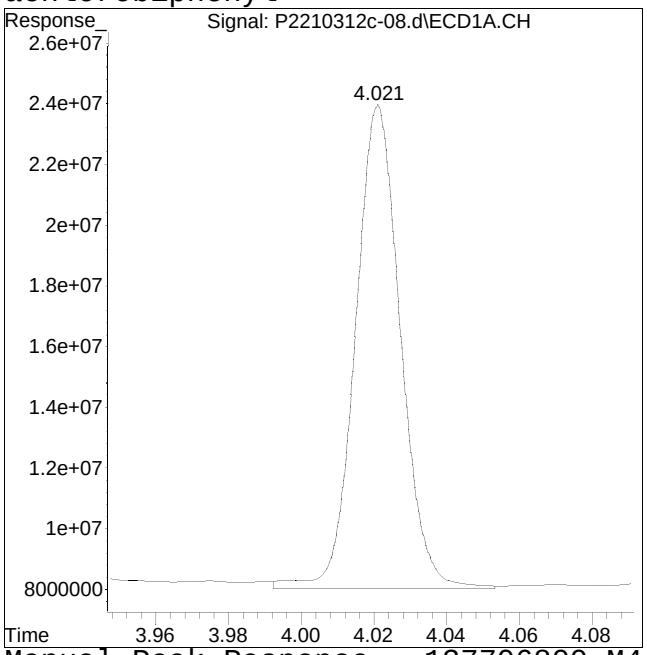
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-08.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:03 pm Instrument : PEST 2
Sample : L2111103-03,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 167574652



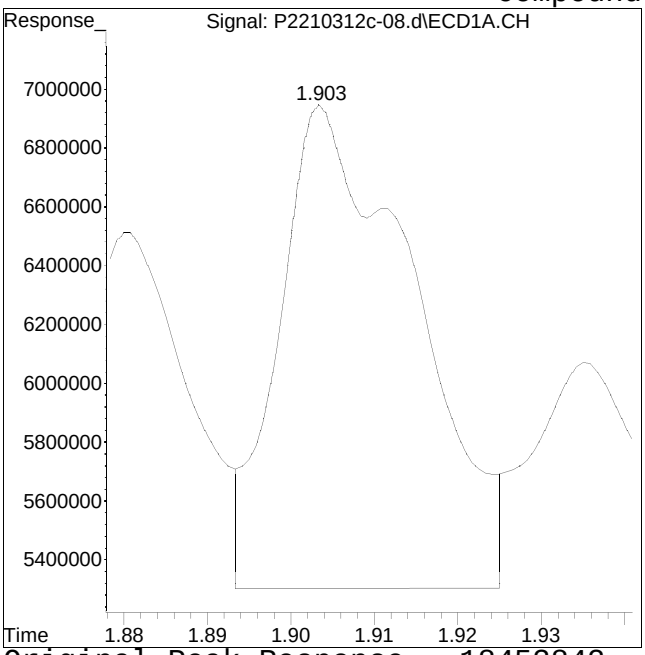
Manual Peak Response = 137706800 M4

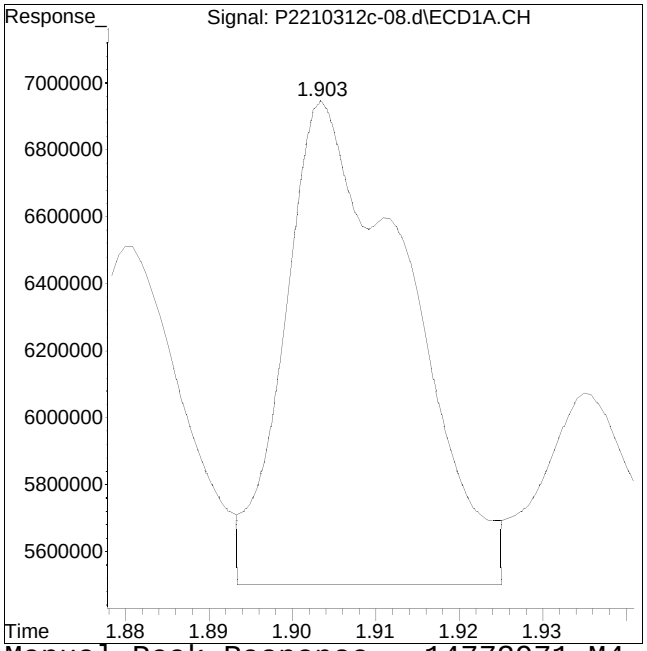
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-08.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:03 pm Instrument : PEST 2
Sample : L2111103-03,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #26: 1242-3



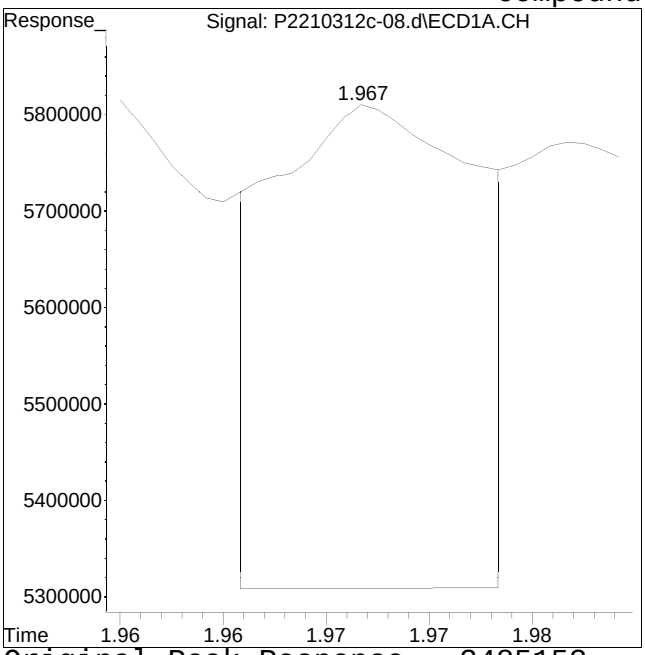


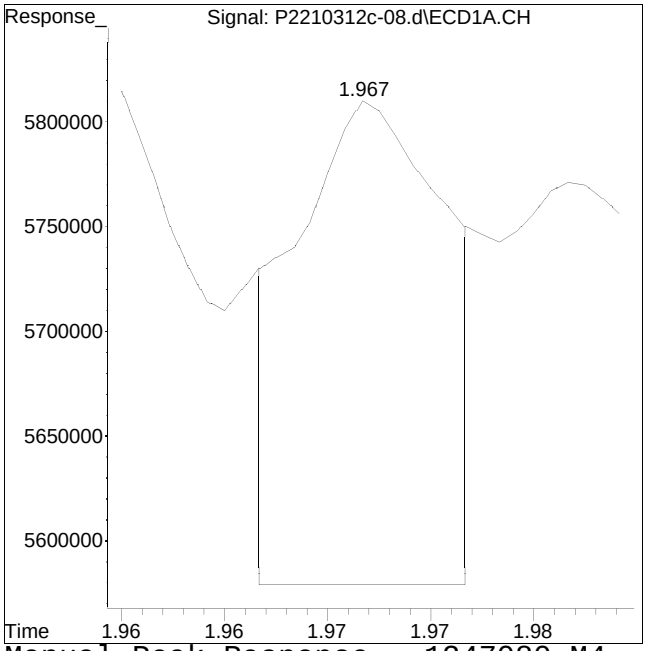
Original Peak Response = 18453842 Manual Peak Response = 14773971 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-08.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:03 pm Instrument : PEST 2
Sample : L2111103-03,42,,rr Quant Date : 3/13/2021 7:24 am

Compound #27: 1242-4





Original Peak Response = 3485153 Manual Peak Response = 1247080 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:12 pm
Operator : pest2:jm
Sample : L2111103-01,42,,rr p
Misc : wg1473959,wg1472552,ical17720 (Sig #1); wg1473959,wg1472552,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:48:49 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.150	1.220	186.5E6	58703794	25.000	25.000
Standard Area 1 : #1 = 186774174				Recovery =	99.88%	
Standard Area 1 : #2 = 55987551				Recovery =	104.85%	
14) i 2154_1br2nb	1.150	1.220	186.5E6	58703794	25.000	25.000
23) i 4268_1br2nb	1.150	1.220	186.5E6	58703794	25.000	25.000
34) i 1248_1br2nb	1.150	1.220	186.5E6	58703794	25.000	25.000
40) i 3262_1br2nb	1.150	1.220	186.5E6	58703794	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.439	1.602	167.7E6	45410813	18.558	17.132
Spiked Amount 20.000	Range 30 - 150			Recovery =	92.79%	85.66%
3) s Decachlorobi	4.021	4.550	133.9E6	36107201	16.638M4	16.274M4
Spiked Amount 20.000	Range 30 - 150			Recovery =	83.19%	81.37%
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	2.685	3.069	30574365	10677414	65.253M4	72.850M4
10) l2 1260-2	2.815	3.171	45966740	10714554	65.670M4	62.029M4
11) l2 1260-3	3.132	3.566	20256932	5740770	46.777M4	38.021M4
12) l2 1260-4	3.288	3.697	46401853	12800457	47.257M4	43.947
13) l2 1260-5	3.436	3.899	35027600	10496780	47.550M1	49.555
Sum 1260-1			178.2E6	50429975	272.507	266.402
Average 1260-1					54.501	53.280

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:12 pm
Operator : pest2:jm
Sample : L2111103-01,42,,rr p
Misc : wg1473959,wg1472552,ical17720 (Sig #1); wg1473959,wg1472552,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:48:49 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	1.580	1.807	10122779	4713915	82.075M4	121.915
25) l6 1242-2	1.724	1.979	26521808	6265154	103.558	72.098M4
26) l6 1242-3	1.904	2.174	17750872	4877671	30.206M4	27.968
27) l6 1242-4	0.000	2.240	0	1611683	N.D. d	23.147
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			54395459	17468422	215.838	245.128
Average 1242-1					71.946	61.282
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:12 pm
Operator : pest2:jm
Sample : L2111103-01,42,,rr p
Misc : wg1473959,wg1472552,ical17720 (Sig #1); wg1473959,wg1472552,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:48:49 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

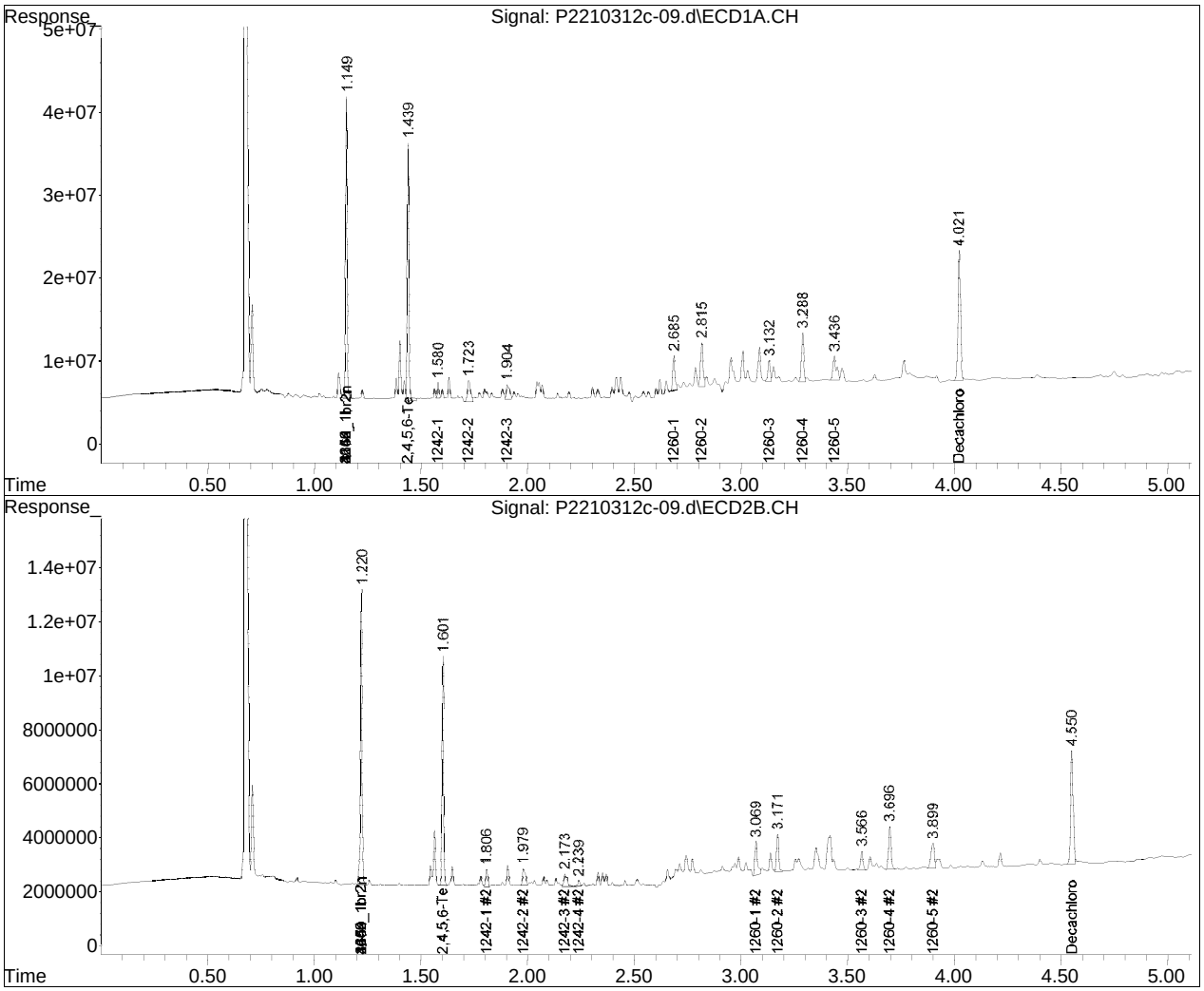
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2210312c-01.d••

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:12 pm
Operator : pest2:jm
Sample : L2111103-01,42,,rr p
Misc : wg1473959,wg1472552,ical17720 (Sig #1); wg1473959,wg1472552,ical (
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:48:49 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

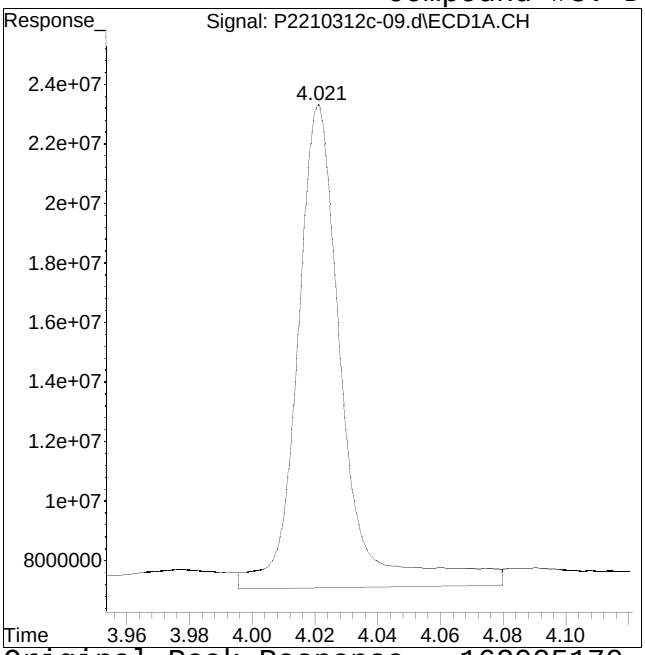
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



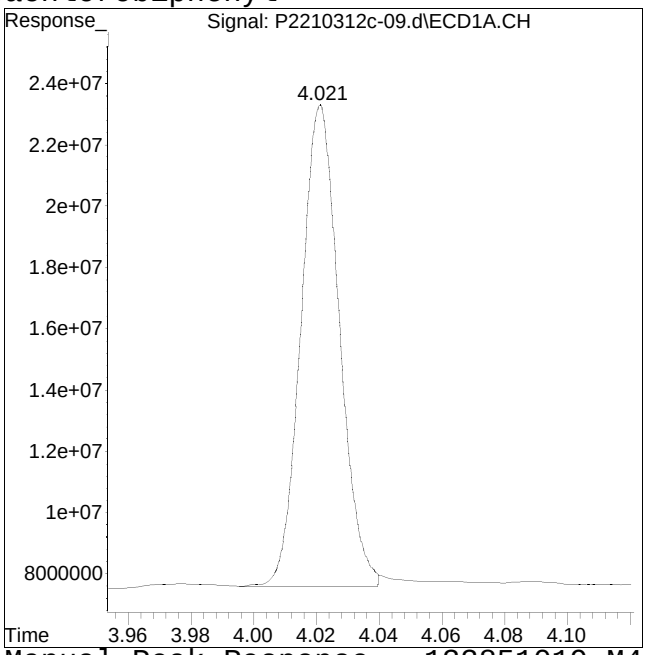
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 162005170



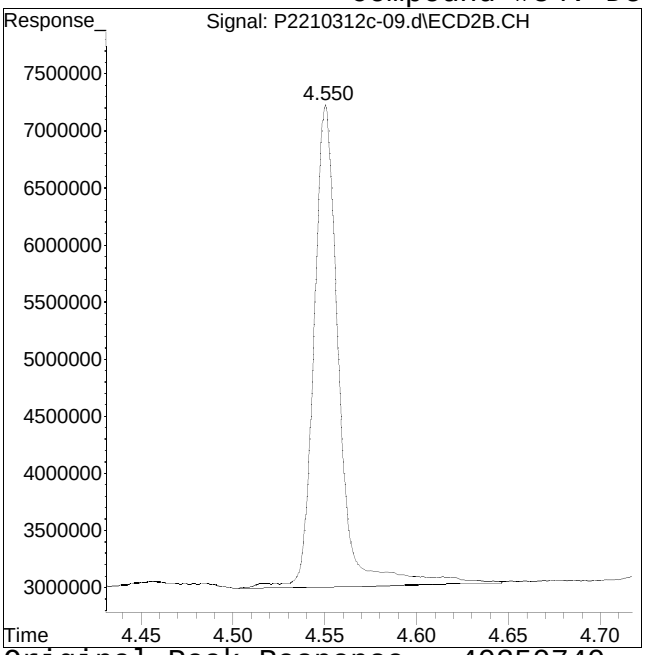
Manual Peak Response = 133851019 M4

M4 = Poor automated baseline construction.

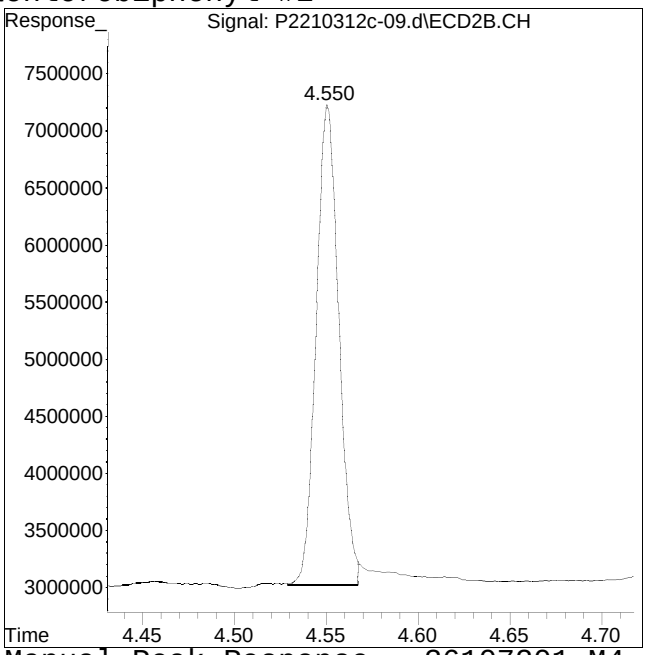
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 40350740



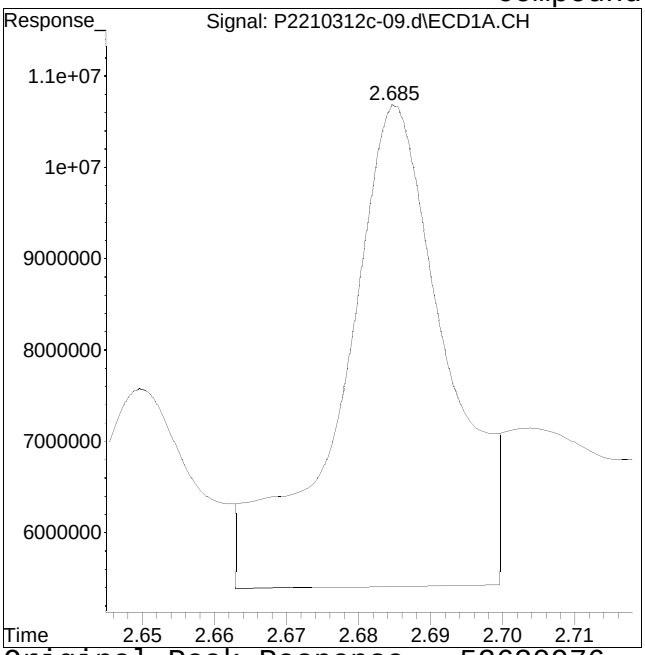
Manual Peak Response = 36107201 M4

M4 = Poor automated baseline construction.

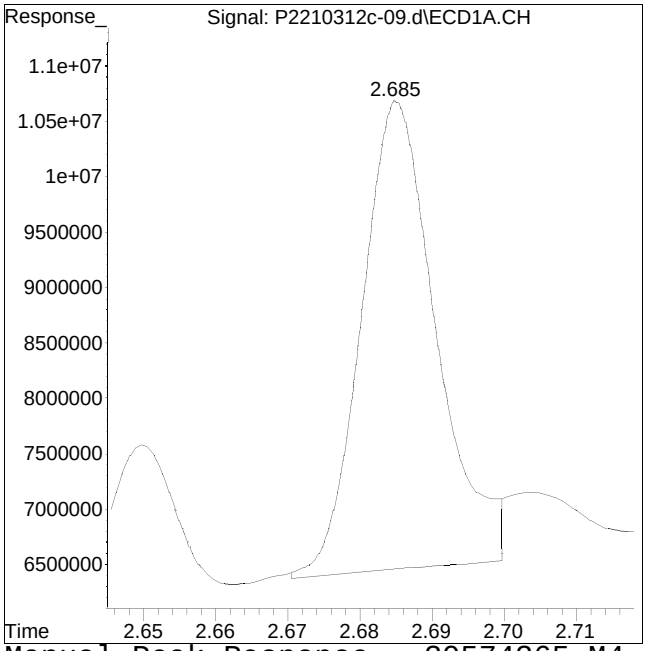
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #9: 1260-1



Original Peak Response = 52630976



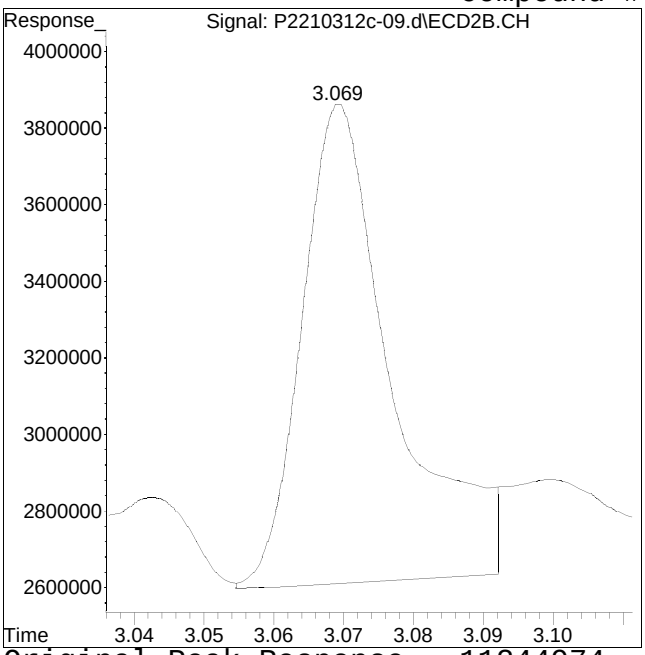
Manual Peak Response = 30574365 M4

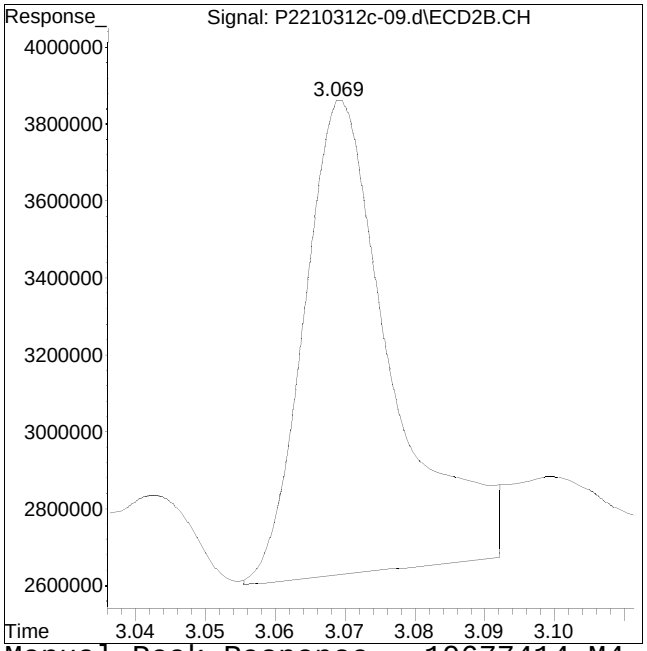
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #60: 1260-1 #2



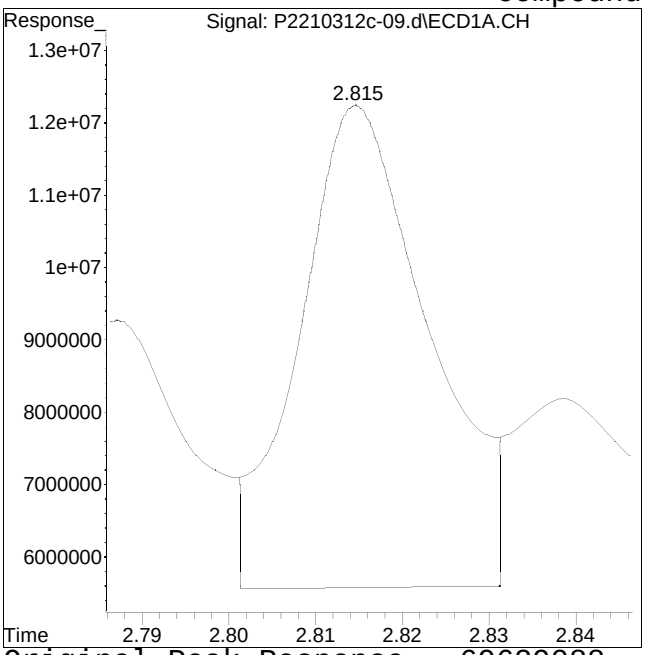


Original Peak Response = 11244974 Manual Peak Response = 10677414 M4
M4 = Poor automated baseline construction.

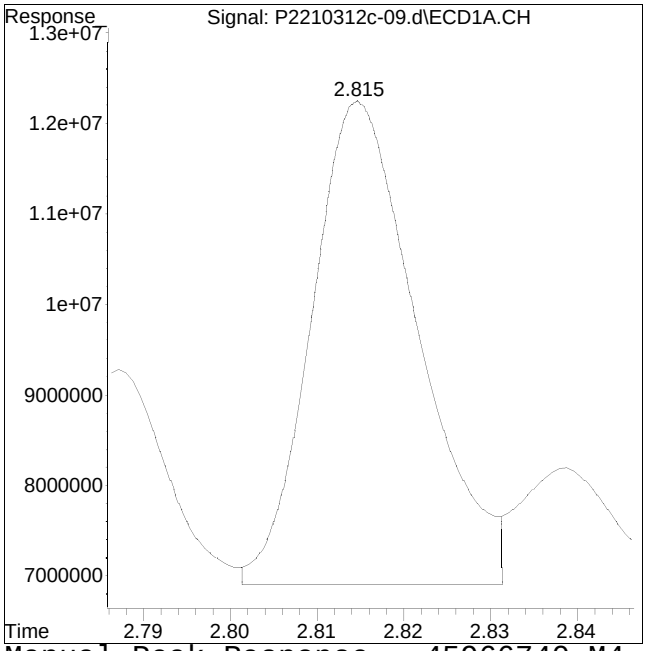
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #10: 1260-2



Original Peak Response = 69629088



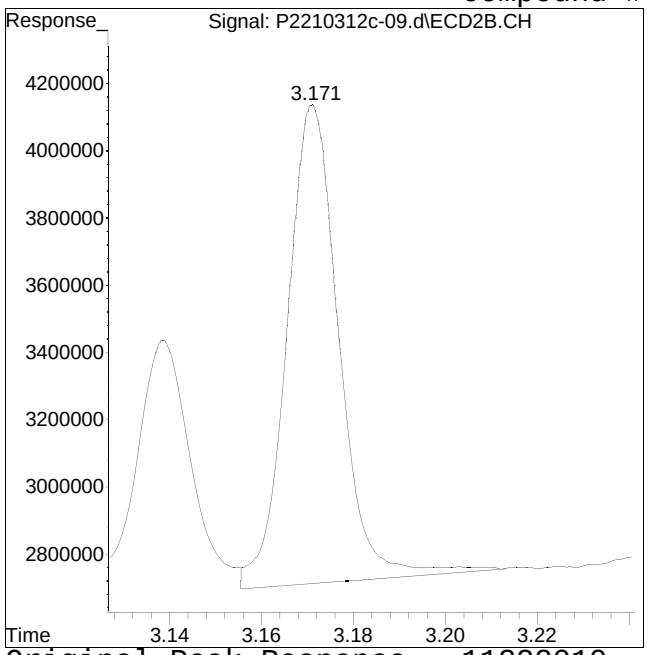
Manual Peak Response = 45966740 M4

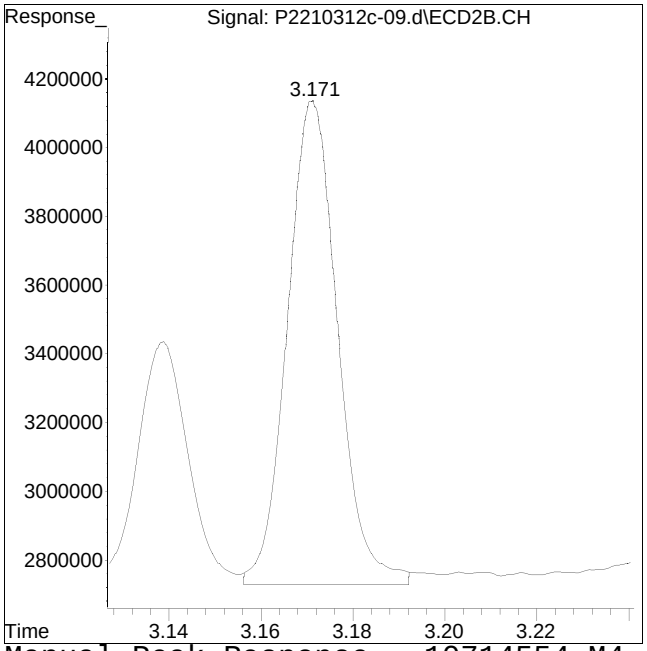
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #61: 1260-2 #2



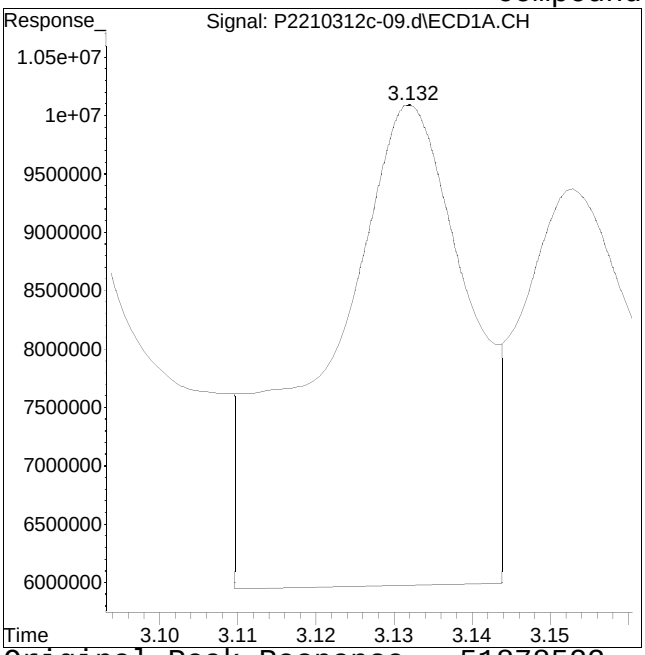


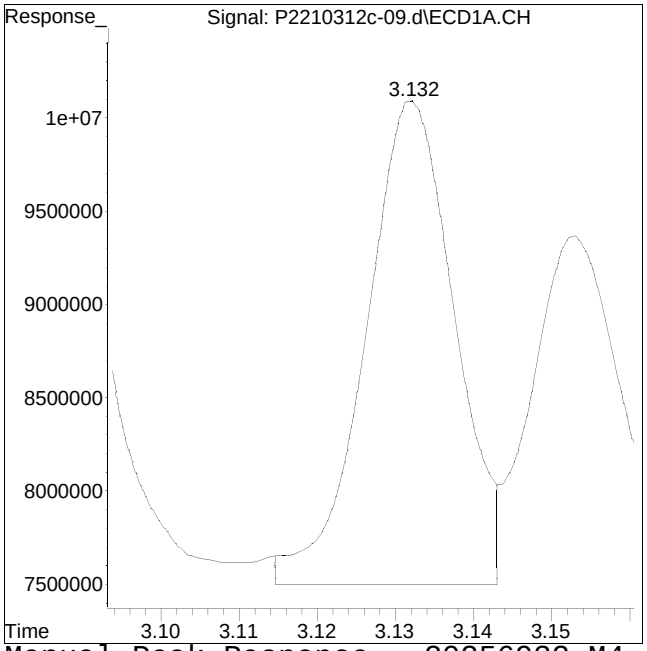
Original Peak Response = 11222010 Manual Peak Response = 10714554 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #11: 1260-3



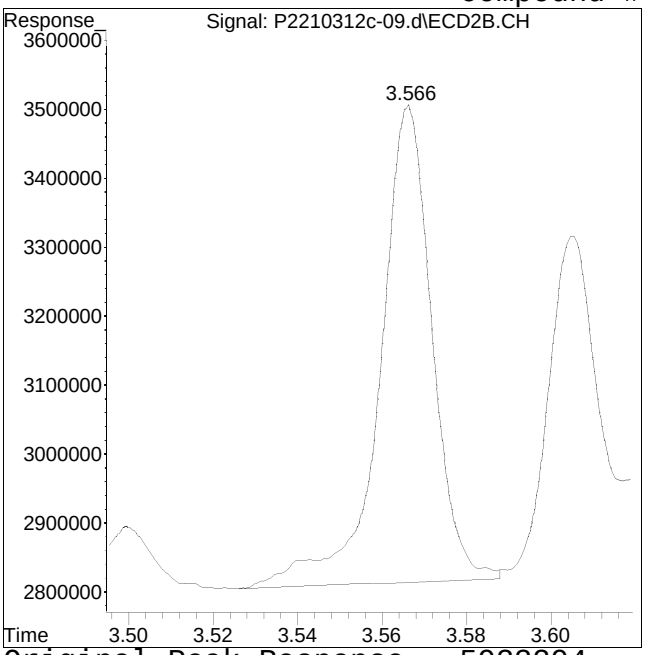


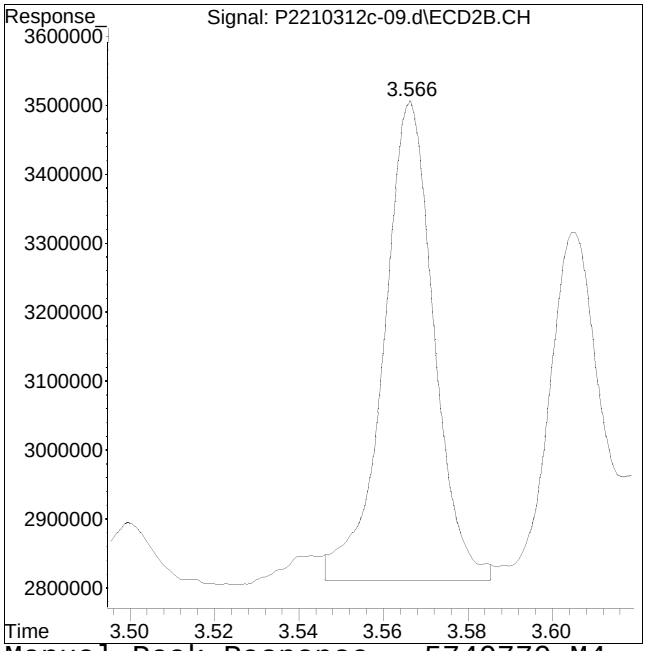
Original Peak Response = 51878522 Manual Peak Response = 20256932 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #62: 1260-3 #2



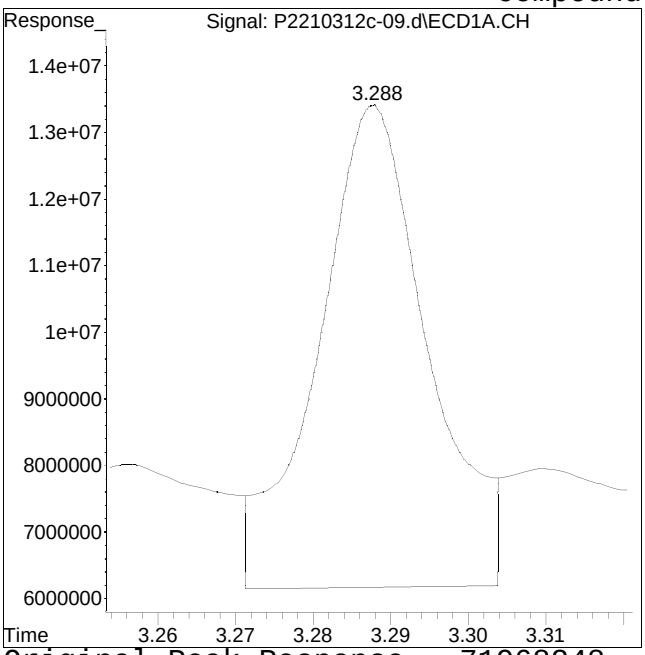


Original Peak Response = 5933294 Manual Peak Response = 5740770 M4
M4 = Poor automated baseline construction.

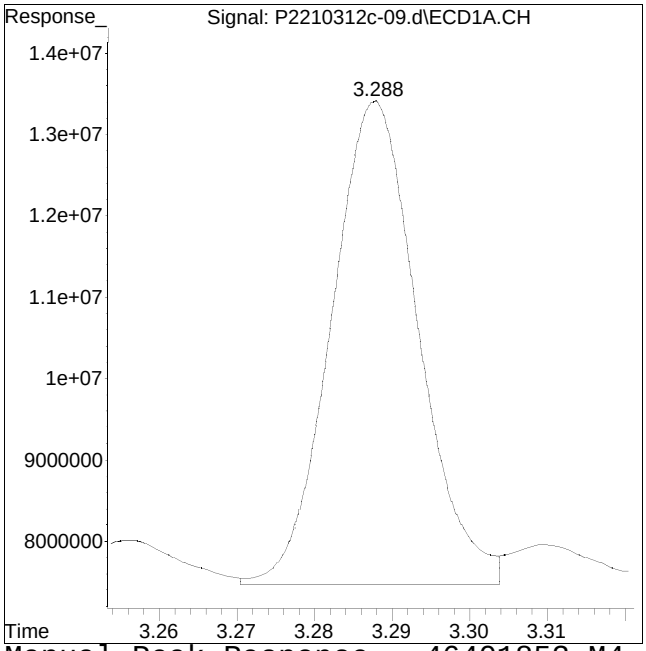
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #12: 1260-4



Original Peak Response = 71968248



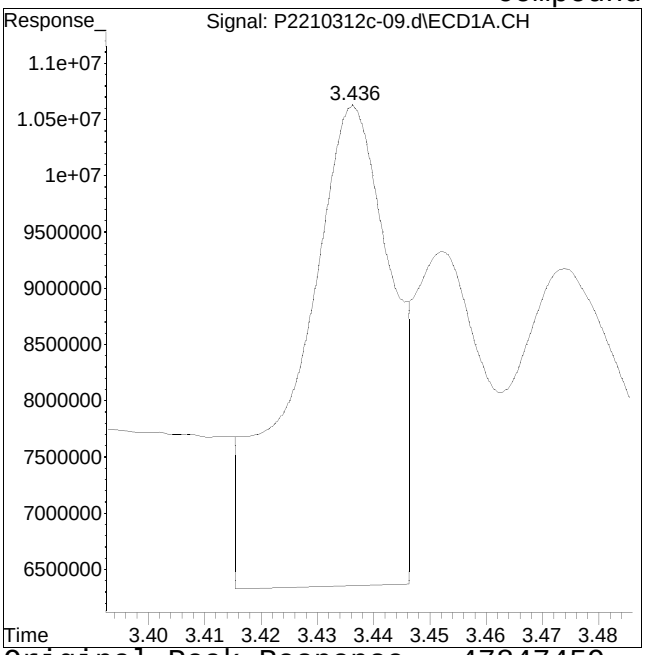
Manual Peak Response = 46401853 M4

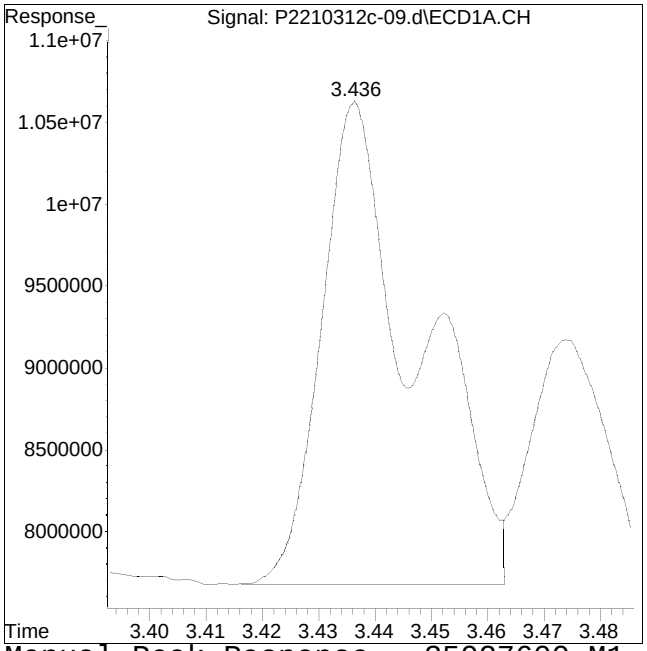
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #13: 1260-5



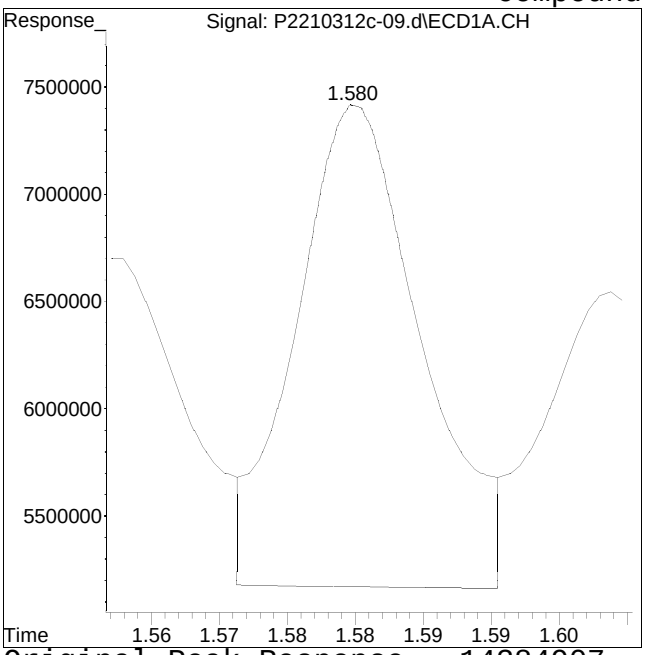


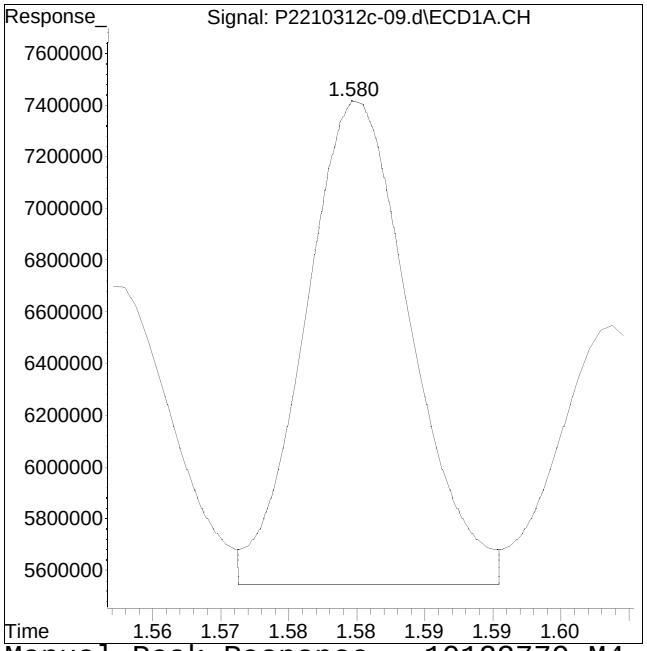
Original Peak Response = 47847459 Manual Peak Response = 35027600 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #24: 1242-1



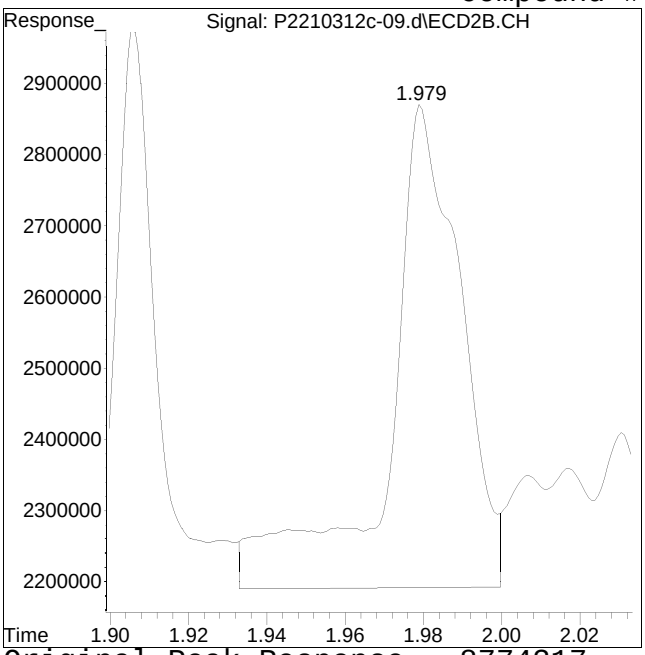


Original Peak Response = 14384907 Manual Peak Response = 10122779 M4
M4 = Poor automated baseline construction.

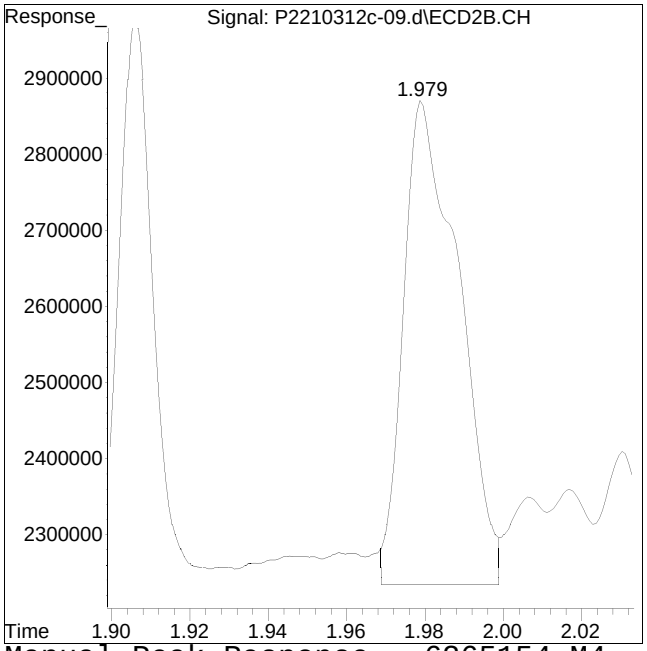
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #76: 1242-2 #2



Original Peak Response = 8774317



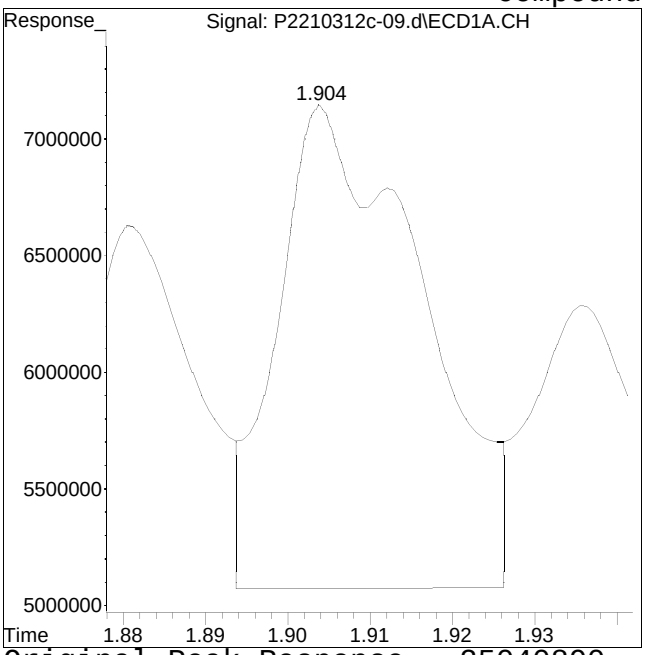
Manual Peak Response = 6265154 M4

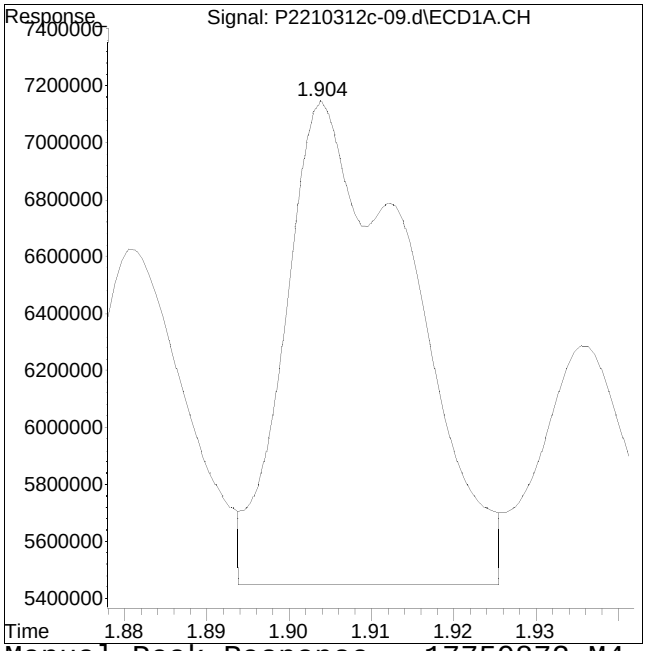
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-09.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:12 pm Instrument : PEST 2
Sample : L2111103-01,42,,rr p Quant Date : 3/13/2021 7:24 am

Compound #26: 1242-3





Original Peak Response = 25040890 Manual Peak Response = 17750872 M4
M4 = Poor automated baseline construction.

Aroclor Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
PCBs

Client	**: PS&S Engineering, Inc.**	**Lab Number**	**: L2111103**
Project Name	**: FORMER BICC CABLES SITE**	**Project Number**	**: 05697.0006**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL17506**
Calibration dates	**: 01/12/21 14:12 01/12/21 15:25**		

Calibration Files

1 =P2210112ical-04.d 2 =P2210112ical-05.d 3 =P2210112ical-06.d 4 =P2210112ical-12.d

5 =P2210112ical-08.d 6 =P2210112ical-10.d

	Compound	1	2	3	4	5	6	Avg	%RSD
1) i	1660_1br2nb	ISTD							
2) s	2,4,5,6-Tetra	1.010	1.115	1.098	1.127	1.161	1.175	1.114	5.27
3) s	Decachlorobip	1.087	1.013	0.987	0.968	0.948	0.927	0.988	5.75
4) l1	1016-1	0.021	0.020	0.020	0.020	0.020	0.020	0.020	1.81
5) l1	1016-2	0.051	0.049	0.047	0.045	0.043	0.044	0.046	6.94
6) l1	1016-3	0.087	0.091	0.091	0.092	0.095	0.096	0.092	3.42
7) l1	1016-4	0.037	0.039	0.038	0.037	0.037	0.039	0.038	2.83
8) l1	1016-5	0.040	0.039	0.039	0.038	0.039	0.040	0.039	1.96
9) l2	1260-1	0.064	0.063	0.061	0.059	0.059	0.059	0.061	3.77
10) l2	1260-2	0.096	0.100	0.095	0.091	0.092	0.091	0.094	3.84
11) l2	1260-3	0.056	0.070	0.065	0.060	0.059	0.059	0.062	7.79
12) l2	1260-4	0.129	0.126	0.129	0.129	0.129	0.128	0.128	1.02
13) l2	1260-5	0.092	0.092	0.088	0.089	0.092	0.093	0.091	1.98
14) i	2154_1br2nb	ISTD							
15) l3	1221-2				0.011			0.011	0.00
16) l3	1221-3				0.007			0.007	0.00
17) l3	1221-4				0.028			0.028	0.00
18) l4	1254-1				0.037			0.037	0.00
19) l4	1254-2				0.071			0.071	0.00
20) l4	1254-3				0.068			0.068	0.00
21) l4	1254-4				0.054			0.054	0.00
22) l4	1254-5				0.079			0.079	0.00
23) i	4268_1br2nb	ISTD							
24) l6	1242-1				0.016			0.016	0.00
25) l6	1242-2				0.037			0.037	0.00
26) l6	1242-3				0.074			0.074	0.00
27) l6	1242-4				0.030			0.030	0.00
28) l6	1242-5				0.024			0.024	0.00
29) l9	1268-1				0.172			0.172	0.00
30) l9	1268-2				0.169			0.169	0.00
31) l9	1268-3				0.123			0.123	0.00
32) l9	1268-4				0.058			0.058	0.00
33) l9	1268-5				0.361			0.361	0.00
34) i	1248_1br2nb	ISTD							
35) l7	1248-1				0.046			0.046	0.00
36) l7	1248-2				0.056			0.056	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**:**	**PS&S Engineering, Inc.**	**Lab Number**	**:**	**L2111103**
Project Name	**:**	**FORMER BICC CABLES SITE**	**Project Number**	**:**	**05697.0006**
Instrument ID	**:**	**PEST2**	**Ical Ref**	**:**	**ICAL17506**
Calibration dates	**:**	**01/12/21 14:12 01/12/21 15:25**			

Calibration Files
1 =P2210112ical-04.d 2 =P2210112ical-05.d 3 =P2210112ical-06.d 4 =P2210112ical-12.d
5 =P2210112ical-08.d 6 =P2210112ical-10.d

	Compound	1	2	3	4	5	6	Avg	%RSD
37) l7	1248-3				0.049			0.049	0.00
38) l7	1248-4				0.044			0.044	0.00
39) l7	1248-5				0.038			0.038	0.00
40) i	3262_1br2nb				----------ISTD----------				
41) l5	1232-1				0.021			0.021	0.00
42) l5	1232-2				0.020			0.020	0.00
43) l5	1232-3				0.040			0.040	0.00
44) l5	1232-4				0.015			0.015	0.00
45) l5	1232-5				0.012			0.012	0.00
46) l8	1262-1				0.062			0.062	0.00
47) l8	1262-2				0.101			0.101	0.00
48) l8	1262-3				0.068			0.068	0.00
49) l8	1262-4				0.142			0.142	0.00
50) l8	1262-5				0.047			0.047	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: PS&S Engineering, Inc.**	**Lab Number**	**: L2111103**
Project Name	**: FORMER BICC CABLES SITE**	**Project Number**	**: 05697.0006**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL17506**
Calibration dates	**: 01/12/21 14:12 01/12/21 15:25**		

Signal #2 Calibration Files
1 =P2210112ical-04.d 2 =P2210112ical-05.d 3 =P2210112ical-06.d 4 =P2210112ical-12.d
5 =P2210112ical-08.d 6 =P2210112ical-09.d

	Compound	1	2	3	4	5	6	Avg	%RSD
1) i	1660_1br2nb	----------ISTD----------							
2) s	2,4,5,6-Tetra	1.211	1.175	1.133	1.128	1.142	1.144	1.156	2.73
3) s	Decachlorobip	1.193	1.035	0.950	0.882	0.860	0.832	0.959	14.21
4) l1	1016-1	0.020	0.024	0.023	0.021	0.021	0.020	0.022	7.99
5) l1	1016-2	0.050	0.049	0.051	0.047	0.045	0.044	0.048	5.58
6) l1	1016-3	0.097	0.101	0.096	0.092	0.092	0.091	0.095	4.15
7) l1	1016-4	0.043	0.042	0.039	0.037	0.037	0.036	0.039	7.15
8) l1	1016-5	0.029	0.034	0.032	0.030	0.030	0.029	0.031	7.00
9) l2	1260-1	0.074	0.067	0.061	0.059	0.058	0.056	0.063	10.50
10) l2	1260-2	0.084	0.081	0.075	0.071	0.069	0.067	0.074	8.94
11) l2	1260-3	0.066	0.063	0.060	0.057	0.057	0.056	0.060	6.85
12) l2	1260-4	0.132	0.129	0.123	0.120	0.119	0.116	0.123	5.04
13) l2	1260-5	0.096	0.091	0.087	0.083	0.083	0.082	0.087	6.05
14) i	2154_1br2nb	----------ISTD----------							
15) l3	1221-2				0.012			0.012	0.00
16) l3	1221-3				0.008			0.008	0.00
17) l3	1221-4				0.030			0.030	0.00
18) l4	1254-1				0.045			0.045	0.00
19) l4	1254-2				0.062			0.062	0.00
20) l4	1254-3				0.079			0.079	0.00
21) l4	1254-4				0.055			0.055	0.00
22) l4	1254-5				0.076			0.076	0.00
23) i	4268_1br2nb	----------ISTD----------							
24) l6	1242-1				0.017			0.017	0.00
25) l6	1242-2				0.038			0.038	0.00
26) l6	1242-3				0.073			0.073	0.00
27) l6	1242-4				0.029			0.029	0.00
28) l6	1242-5				0.025			0.025	0.00
29) l9	1268-1				0.156			0.156	0.00
30) l9	1268-2				0.148			0.148	0.00
31) l9	1268-3				0.112			0.112	0.00
32) l9	1268-4				0.052			0.052	0.00
33) l9	1268-5				0.319			0.319	0.00
34) i	1248_1br2nb	----------ISTD----------							
35) l7	1248-1				0.048			0.048	0.00
36) l7	1248-2				0.030			0.030	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**:**	**PS&S Engineering, Inc.**	**Lab Number**	**:**	**L2111103**
Project Name	**:**	**FORMER BICC CABLES SITE**	**Project Number**	**:**	**05697.0006**
Instrument ID	**:**	**PEST2**	**Ical Ref**	**:**	**ICAL17506**
Calibration dates	**:**	**01/12/21 14:12 01/12/21 15:25**			

Signal #2 Calibration Files

1 =P2210112ical-04.d 2 =P2210112ical-05.d 3 =P2210112ical-06.d 4 =P2210112ical-12.d

5 =P2210112ical-08.d 6 =P2210112ical-09.d

	Compound	1	2	3	4	5	6	Avg	%RSD
37) l7	1248-3				0.039			0.039	0.00
38) l7	1248-4				0.043			0.043	0.00
39) l7	1248-5				0.050			0.050	0.00
40) i	3262_1br2nb				----------ISTD----------				
41) l5	1232-1				0.023			0.023	0.00
42) l5	1232-2				0.022			0.022	0.00
43) l5	1232-3				0.041			0.041	0.00
44) l5	1232-4				0.017			0.017	0.00
45) l5	1232-5				0.013			0.013	0.00
46) l8	1262-1				0.052			0.052	0.00
47) l8	1262-2				0.070			0.070	0.00
48) l8	1262-3				0.066			0.066	0.00
49) l8	1262-4				0.127			0.127	0.00
50) l8	1262-5				0.046			0.046	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: PS&S Engineering, Inc.**	**Lab Number**	**: L2111103**
Project Name	**: FORMER BICC CABLES SITE**	**Project Number**	**: 05697.0006**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL17720**
Calibration dates	**: 03/12/21 15:35 03/12/21 16:49**		

Calibration Files

1 =P2210312ical-04.d 2 =P2210312ical-05.d 3 =P2210312ical-06.d 4 =P2210312ical-12.d

5 =P2210312ical-08.d 6 =P2210312ical-09.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra	1.345	1.166	1.104	1.410	1.119	1.122	1.211	10.92
3)	s	Decachlorobip	1.140	1.095	1.059	1.242	0.974	0.959	1.078	9.83
4)	l1	1016-1	0.021	0.020	0.019	0.024	0.020	0.020	0.021	8.73
5)	l1	1016-2	0.046	0.045	0.044	0.044	0.041	0.041	0.043	4.49
6)	l1	1016-3	0.087	0.091	0.089	0.114	0.092	0.092	0.094	10.28
7)	l1	1016-4	0.034	0.034	0.035	0.045	0.037	0.039	0.037	10.71
8)	l1	1016-5	0.039	0.040	0.039	0.050	0.039	0.040	0.041	9.95
9)	l2	1260-1	0.053	0.062	0.059	0.080	0.061	0.062	0.063	14.39
10)	l2	1260-2	0.087	0.093	0.088	0.113	0.090	0.092	0.094	10.51
11)	l2	1260-3	0.053	0.055	0.053	0.072	0.057	0.058	0.058	12.67
12)	l2	1260-4	0.130	0.131	0.123	0.152	0.126	0.128	0.132	7.80
13)	l2	1260-5	0.107	0.096	0.090	0.117	0.090	0.092	0.099	10.99
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2				0.012			0.012	0.00
16)	l3	1221-3				0.007			0.007	0.00
17)	l3	1221-4				0.029			0.029	0.00
18)	l4	1254-1				0.038			0.038	0.00
19)	l4	1254-2				0.068			0.068	0.00
20)	l4	1254-3				0.071			0.071	0.00
21)	l4	1254-4				0.055			0.055	0.00
22)	l4	1254-5				0.076			0.076	0.00
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1				0.017			0.017	0.00
25)	l6	1242-2				0.034			0.034	0.00
26)	l6	1242-3				0.079			0.079	0.00
27)	l6	1242-4				0.032			0.032	0.00
28)	l6	1242-5				0.027			0.027	0.00
29)	l9	1268-1				0.186			0.186	0.00
30)	l9	1268-2				0.176			0.176	0.00
31)	l9	1268-3				0.131			0.131	0.00
32)	l9	1268-4				0.063			0.063	0.00
33)	l9	1268-5				0.400			0.400	0.00
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1				0.052			0.052	0.00
36)	l7	1248-2				0.060			0.060	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: PS&S Engineering, Inc.**	**Lab Number**	**: L2111103**
Project Name	**: FORMER BICC CABLES SITE**	**Project Number**	**: 05697.0006**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL17720**
Calibration dates	**: 03/12/21 15:35 03/12/21 16:49**		

Calibration Files

1 =P2210312ical-04.d 2 =P2210312ical-05.d 3 =P2210312ical-06.d 4 =P2210312ical-12.d

5 =P2210312ical-08.d 6 =P2210312ical-09.d

	Compound	1	2	3	4	5	6	Avg	%RSD
37) l7	1248-3				0.054			0.054	0.00
38) l7	1248-4				0.046			0.046	0.00
39) l7	1248-5				0.040			0.040	0.00
40) i	3262_1br2nb				----------ISTD----------				
41) l5	1232-1				0.022			0.022	0.00
42) l5	1232-2				0.020			0.020	0.00
43) l5	1232-3				0.044			0.044	0.00
44) l5	1232-4				0.020			0.020	0.00
45) l5	1232-5				0.012			0.012	0.00
46) l8	1262-1				0.063			0.063	0.00
47) l8	1262-2				0.082			0.082	0.00
48) l8	1262-3				0.068			0.068	0.00
49) l8	1262-4				0.141			0.141	0.00
50) l8	1262-5				0.048			0.048	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: PS&S Engineering, Inc.**	**Lab Number**	**: L2111103**
Project Name	**: FORMER BICC CABLES SITE**	**Project Number**	**: 05697.0006**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL17720**
Calibration dates	**: 03/12/21 15:35 03/12/21 16:49**		

Signal #2 Calibration Files

1 =P2210312ical-04.d 2 =P2210312ical-05.d 3 =P2210312ical-06.d 4 =P2210312ical-12.d

5 =P2210312ical-08.d 6 =P2210312ical-09.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra	1.074	1.155	1.138	1.132	1.135	1.139	1.129	2.48
3)	s	Decachlorobip	1.205	0.960	0.900	0.866	0.862	0.876	0.945	14.03
4)	l1	1016-1	0.022	0.022	0.022	0.021	0.021	0.020	0.021	3.65
5)	l1	1016-2	0.041	0.049	0.046	0.045	0.046	0.046	0.045	5.74
6)	l1	1016-3	0.097	0.101	0.094	0.091	0.093	0.093	0.095	3.91
7)	l1	1016-4	0.040	0.040	0.038	0.036	0.037	0.037	0.038	4.09
8)	l1	1016-5	0.035	0.034	0.032	0.030	0.030	0.030	0.032	7.38
9)	l2	1260-1	0.069	0.066	0.060	0.058	0.060	0.061	0.062	6.49
10)	l2	1260-2	0.077	0.080	0.072	0.070	0.070	0.072	0.074	5.27
11)	l2	1260-3	0.079	0.068	0.061	0.058	0.059	0.060	0.064	12.41
12)	l2	1260-4	0.135	0.127	0.120	0.119	0.121	0.124	0.124	4.84
13)	l2	1260-5	0.096	0.094	0.091	0.085	0.086	0.089	0.090	4.82
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2				0.012			0.012	0.00
16)	l3	1221-3				0.008			0.008	0.00
17)	l3	1221-4				0.029			0.029	0.00
18)	l4	1254-1				0.043			0.043	0.00
19)	l4	1254-2				0.055			0.055	0.00
20)	l4	1254-3				0.078			0.078	0.00
21)	l4	1254-4				0.055			0.055	0.00
22)	l4	1254-5				0.073			0.073	0.00
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1				0.016			0.016	0.00
25)	l6	1242-2				0.037			0.037	0.00
26)	l6	1242-3				0.074			0.074	0.00
27)	l6	1242-4				0.030			0.030	0.00
28)	l6	1242-5				0.027			0.027	0.00
29)	l9	1268-1				0.166			0.166	0.00
30)	l9	1268-2				0.158			0.158	0.00
31)	l9	1268-3				0.117			0.117	0.00
32)	l9	1268-4				0.052			0.052	0.00
33)	l9	1268-5				0.335			0.335	0.00
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1				0.047			0.047	0.00
36)	l7	1248-2				0.031			0.031	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: PS&S Engineering, Inc.**	**Lab Number**	**: L2111103**
Project Name	**: FORMER BICC CABLES SITE**	**Project Number**	**: 05697.0006**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL17720**
Calibration dates	**: 03/12/21 15:35 03/12/21 16:49**		

Signal #2 Calibration Files

1 =P2210312ical-04.d 2 =P2210312ical-05.d 3 =P2210312ical-06.d 4 =P2210312ical-12.d

5 =P2210312ical-08.d 6 =P2210312ical-09.d

	Compound	1	2	3	4	5	6	Avg	%RSD
37) l7	1248-3				0.038			0.038	0.00
38) l7	1248-4				0.044			0.044	0.00
39) l7	1248-5				0.050			0.050	0.00
40) i	3262_1br2nb				----------ISTD----------				
41) l5	1232-1				0.023			0.023	0.00
42) l5	1232-2				0.025			0.025	0.00
43) l5	1232-3				0.043			0.043	0.00
44) l5	1232-4				0.017			0.017	0.00
45) l5	1232-5				0.014			0.014	0.00
46) l8	1262-1				0.056			0.056	0.00
47) l8	1262-2				0.073			0.073	0.00
48) l8	1262-3				0.071			0.071	0.00
49) l8	1262-4				0.133			0.133	0.00
50) l8	1262-5				0.047			0.047	0.00

Response Factor Report PEST 2

Method Path : I:\PCB\Pest2\2021\210112ICAL\
Method File : P2_pcb_01_12_21_LVI_ugL_ICAL.m
Title : pcb
Last Update : Tue Jan 12 16:49:39 2021
Response Via : Initial Calibration

Calibration Files
1 =P2210112ical-04.d 2 =P2210112ical-05.d 3 =P2210112ical-06.d 4 =P2210112ical-12.d
5 =P2210112ical-08.d 6 =P2210112ical-10.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra...	1.010	1.115	1.098	1.127	1.161	1.175	1.114	5.27
3)	s	Decachlorobip...	1.087	1.013	0.987	0.968	0.948	0.927	0.988	5.75
4)	l1	1016-1	0.021	0.020	0.020	0.020	0.020	0.020	0.020	1.81
5)	l1	1016-2	0.051	0.049	0.047	0.045	0.043	0.044	0.046	6.94
6)	l1	1016-3	0.087	0.091	0.091	0.092	0.095	0.096	0.092	3.42
7)	l1	1016-4	0.037	0.039	0.038	0.037	0.037	0.039	0.038	2.83
8)	l1	1016-5	0.040	0.039	0.039	0.038	0.039	0.040	0.039	1.96
9)	l2	1260-1	0.064	0.063	0.061	0.059	0.059	0.059	0.061	3.77
10)	l2	1260-2	0.096	0.100	0.095	0.091	0.092	0.091	0.094	3.84
11)	l2	1260-3	0.056	0.070	0.065	0.060	0.059	0.059	0.062	7.79
12)	l2	1260-4	0.129	0.126	0.129	0.129	0.129	0.128	0.128	1.02
13)	l2	1260-5	0.092	0.092	0.088	0.089	0.092	0.093	0.091	1.98
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2				0.011			0.011	0.00
16)	l3	1221-3				0.007			0.007	0.00
17)	l3	1221-4				0.028			0.028	0.00
18)	l4	1254-1				0.037			0.037	0.00
19)	l4	1254-2				0.071			0.071	0.00
20)	l4	1254-3				0.068			0.068	0.00
21)	l4	1254-4				0.054			0.054	0.00
22)	l4	1254-5				0.079			0.079	0.00
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1				0.016			0.016	0.00
25)	l6	1242-2				0.037			0.037	0.00
26)	l6	1242-3				0.074			0.074	0.00
27)	l6	1242-4				0.030			0.030	0.00
28)	l6	1242-5				0.024			0.024	0.00
29)	l9	1268-1				0.172			0.172	0.00

Method Path : I:\PCB\Pest2\2021\210112ICAL\
Method File : P2_pcb_01_12_21_LVI_ugL_ICAL.m
Title : pcb
Last Update : Tue Jan 12 16:49:39 2021
Response Via : Initial Calibration

Calibration Files
1 =P2210112ical-04.d 2 =P2210112ical-05.d 3 =P2210112ical-06.d 4 =P2210112ical-12.d
5 =P2210112ical-08.d 6 =P2210112ical-10.d

	Compound	1	2	3	4	5	6	Avg	%RSD
30) l9	1268-2				0.169			0.169	0.00
31) l9	1268-3				0.123			0.123	0.00
32) l9	1268-4				0.058			0.058	0.00
33) l9	1268-5				0.361			0.361	0.00
34) i	1248_1br2nb	----------ISTD----------							
35) l7	1248-1				0.046			0.046	0.00
36) l7	1248-2				0.056			0.056	0.00
37) l7	1248-3				0.049			0.049	0.00
38) l7	1248-4				0.044			0.044	0.00
39) l7	1248-5				0.038			0.038	0.00
40) i	3262_1br2nb	----------ISTD----------							
41) l5	1232-1				0.021			0.021	0.00
42) l5	1232-2				0.020			0.020	0.00
43) l5	1232-3				0.040			0.040	0.00
44) l5	1232-4				0.015			0.015	0.00
45) l5	1232-5				0.012			0.012	0.00
46) l8	1262-1				0.062			0.062	0.00
47) l8	1262-2				0.101			0.101	0.00
48) l8	1262-3				0.068			0.068	0.00
49) l8	1262-4				0.142			0.142	0.00
50) l8	1262-5				0.047			0.047	0.00

Signal #2 Calibration Files
1 =P2210112ical-04.d 2 =P2210112ical-05.d 3 =P2210112ical-06.d 4 =P2210112ical-12.d
5 =P2210112ical-08.d 6 =P2210112ical-09.d

	Compound	1	2	3	4	5	6	Avg	%RSD
1) i	1660_1br2nb	----------ISTD----------							
2) s	2,4,5,6-Tetra...	1.211	1.175	1.133	1.128	1.142	1.144	1.156	2.73

Response Factor Report PEST 2

Method Path : I:\PCB\Pest2\2021\210112ICAL\
Method File : P2_pcb_01_12_21_LVI_ugL_ICAL.m
Title : pcb
Last Update : Tue Jan 12 16:49:39 2021
Response Via : Initial Calibration

Calibration Files
1 =P2210112ical-04.d 2 =P2210112ical-05.d 3 =P2210112ical-06.d 4 =P2210112ical-12.d
5 =P2210112ical-08.d 6 =P2210112ical-10.d

		Compound	1	2	3	4	5	6	Avg	%RSD
3)	s	Decachlorobip...	1.193	1.035	0.950	0.882	0.860	0.832	0.959	14.21
4)	l1	1016-1	0.020	0.024	0.023	0.021	0.021	0.020	0.022	7.99
5)	l1	1016-2	0.050	0.049	0.051	0.047	0.045	0.044	0.048	5.58
6)	l1	1016-3	0.097	0.101	0.096	0.092	0.092	0.091	0.095	4.15
7)	l1	1016-4	0.043	0.042	0.039	0.037	0.037	0.036	0.039	7.15
8)	l1	1016-5	0.029	0.034	0.032	0.030	0.030	0.029	0.031	7.00
9)	l2	1260-1	0.074	0.067	0.061	0.059	0.058	0.056	0.063	10.50
10)	l2	1260-2	0.084	0.081	0.075	0.071	0.069	0.067	0.074	8.94
11)	l2	1260-3	0.066	0.063	0.060	0.057	0.057	0.056	0.060	6.85
12)	l2	1260-4	0.132	0.129	0.123	0.120	0.119	0.116	0.123	5.04
13)	l2	1260-5	0.096	0.091	0.087	0.083	0.083	0.082	0.087	6.05
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2				0.012			0.012	0.00
16)	l3	1221-3				0.008			0.008	0.00
17)	l3	1221-4				0.030			0.030	0.00
18)	l4	1254-1				0.045			0.045	0.00
19)	l4	1254-2				0.062			0.062	0.00
20)	l4	1254-3				0.079			0.079	0.00
21)	l4	1254-4				0.055			0.055	0.00
22)	l4	1254-5				0.076			0.076	0.00
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1				0.017			0.017	0.00
25)	l6	1242-2				0.038			0.038	0.00
26)	l6	1242-3				0.073			0.073	0.00
27)	l6	1242-4				0.029			0.029	0.00
28)	l6	1242-5				0.025			0.025	0.00
29)	l9	1268-1				0.156			0.156	0.00
30)	l9	1268-2				0.148			0.148	0.00
31)	l9	1268-3				0.112			0.112	0.00
32)	l9	1268-4				0.052			0.052	0.00
33)	l9	1268-5				0.319			0.319	0.00

Method Path : I:\PCB\Pest2\2021\210112ICAL\
Method File : P2_pcb_01_12_21_LVI_ugL_ICAL.m
Title : pcb
Last Update : Tue Jan 12 16:49:39 2021
Response Via : Initial Calibration

Calibration Files
1 =P2210112ical-04.d 2 =P2210112ical-05.d 3 =P2210112ical-06.d 4 =P2210112ical-12.d
5 =P2210112ical-08.d 6 =P2210112ical-10.d

		Compound	1	2	3	4	5	6	Avg	%RSD
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1				0.048			0.048	0.00
36)	l7	1248-2				0.030			0.030	0.00
37)	l7	1248-3				0.039			0.039	0.00
38)	l7	1248-4				0.043			0.043	0.00
39)	l7	1248-5				0.050			0.050	0.00
40)	i	3262_1br2nb	----------ISTD----------							
41)	l5	1232-1				0.023			0.023	0.00
42)	l5	1232-2				0.022			0.022	0.00
43)	l5	1232-3				0.041			0.041	0.00
44)	l5	1232-4				0.017			0.017	0.00
45)	l5	1232-5				0.013			0.013	0.00
46)	l8	1262-1				0.052			0.052	0.00
47)	l8	1262-2				0.070			0.070	0.00
48)	l8	1262-3				0.066			0.066	0.00
49)	l8	1262-4				0.127			0.127	0.00
50)	l8	1262-5				0.046			0.046	0.00

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:12 pm
Operator : pest2:kb
Sample : il11660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:50:40 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:48:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.176	1.246	217.0E6	55031577	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.464	1.625	5607312	1705900	0.580	0.677
Spiked Amount		20.000	Range 30 - 150	Recovery =		2.90%#	3.39%#
3) s	Decachlorobi	4.050	4.580	11885788	3310078	1.384	1.573
Spiked Amount		20.000	Range 30 - 150	Recovery =		6.92%#	7.87%#
	Target Compounds						
4) l1	1016-1	1.604	1.829	1790854	443203	10.305	8.818M2
5) l1	1016-2	1.746	2.004	4463557	1102508	10.976M4	10.202
6) l1	1016-3	1.936	2.207	7536557	2139954	9.502M4	10.091
7) l1	1016-4	1.992	2.268	3168060	938960	9.618M4	10.848
8) l1	1016-5	2.164	2.482	3437562	640055	10.252	9.111
Sum	1016-1			20396591	5264679	50.653	49.069
Average	1016-1					10.131	9.814
9) l2	1260-1	2.710	3.096	5587026	1621116	10.546M4	11.805M4
10) l2	1260-2	2.841	3.198	8372325	1849605	10.088M4	11.122M4
11) l2	1260-3	3.158	3.595	4894883	1452616	8.706M4	10.992
12) l2	1260-4	3.314	3.725	11165082	2901516	10.048M4	10.629
13) l2	1260-5	3.463	3.928	7945870	2102428	11.320M1	10.984M4
Sum	1260-1			37965185	9927280	NoCal	NoCal D
Average	1260-1					10.142	11.106

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:12 pm
Operator : pest2:kb
Sample : il11660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:50:40 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:48:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:12 pm
Operator : pest2:kb
Sample : il11660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:50:40 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:48:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

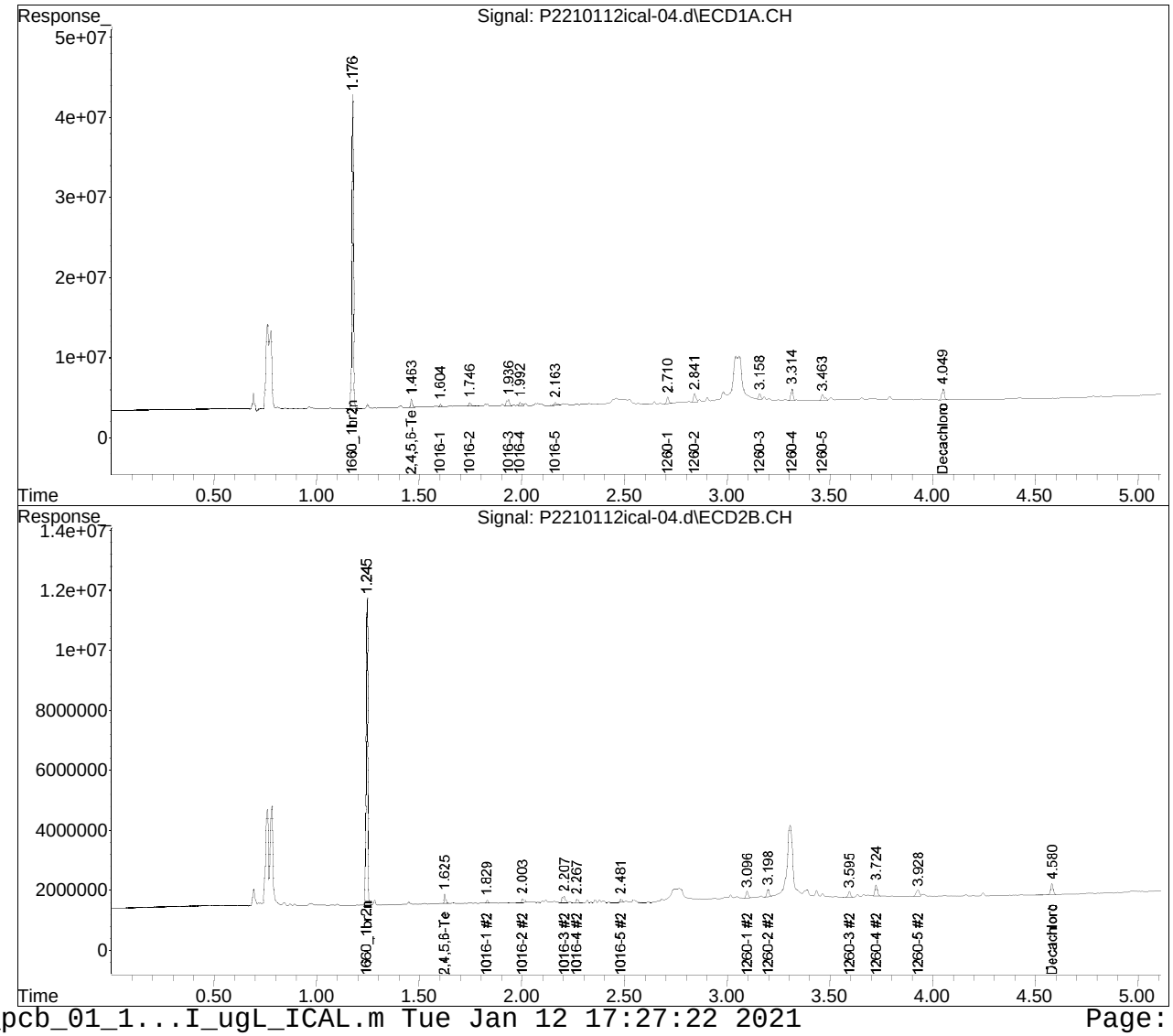
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:12 pm
Operator : pest2:kb
Sample : il11660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:50:40 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:48:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

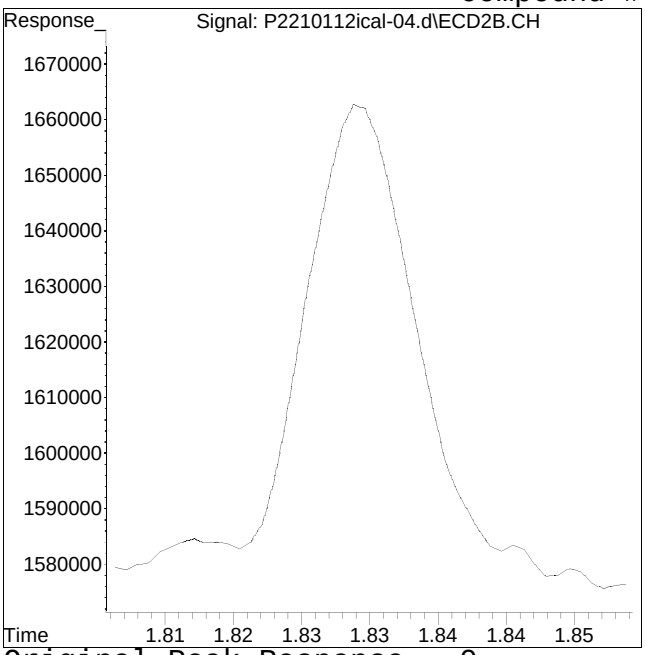
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



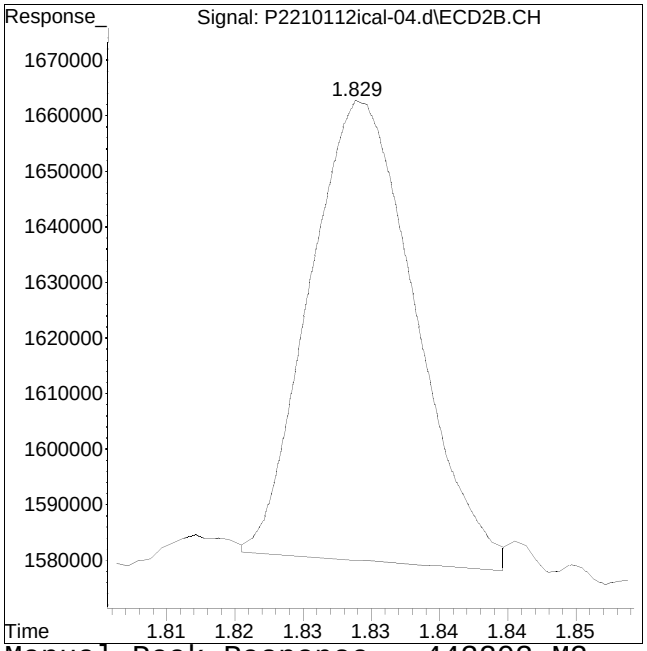
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-04.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:12 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 1/12/2021 2:48 pm

Compound #55: 1016-1 #2



Original Peak Response = 0



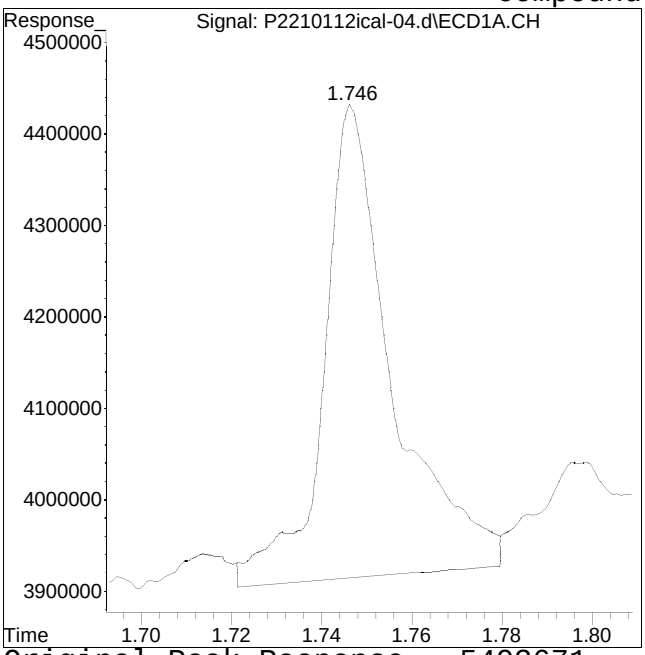
Manual Peak Response = 443203 M2

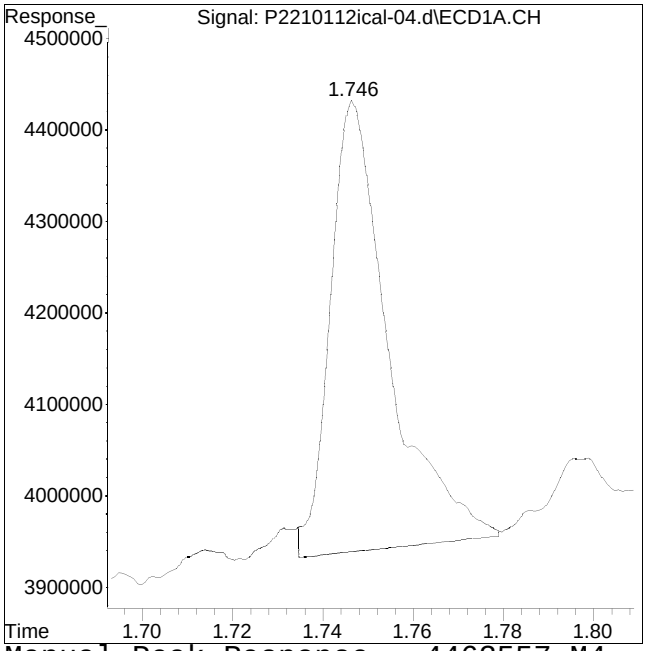
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-04.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:12 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 1/12/2021 2:48 pm

Compound #5: 1016-2



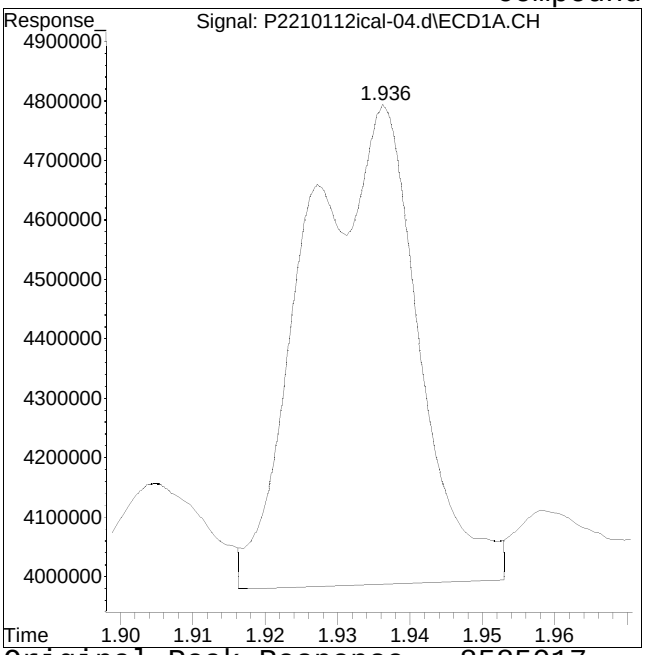


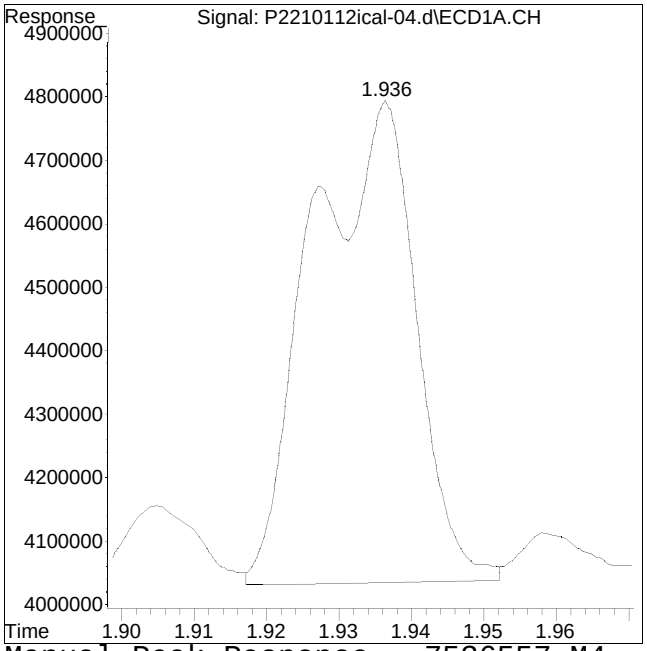
Original Peak Response = 5493671 Manual Peak Response = 4463557 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-04.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:12 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 1/12/2021 2:48 pm

Compound #6: 1016-3



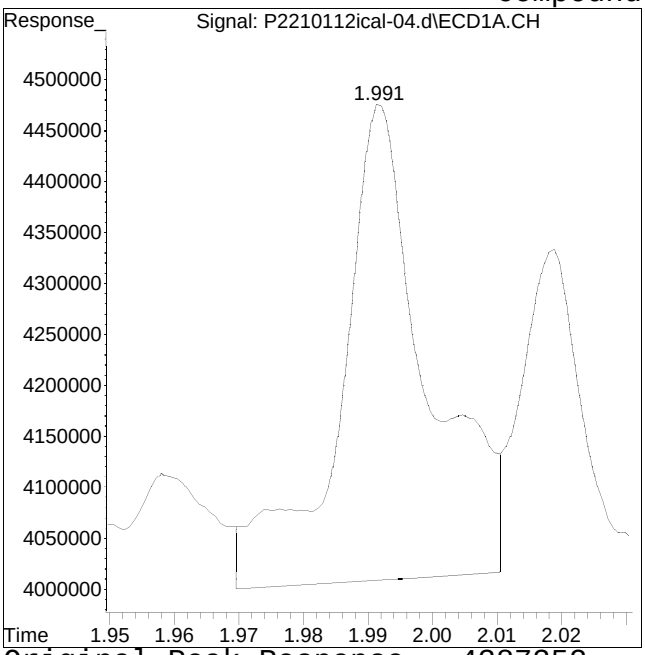


Original Peak Response = 8585017 Manual Peak Response = 7536557 M4
M4 = Poor automated baseline construction.

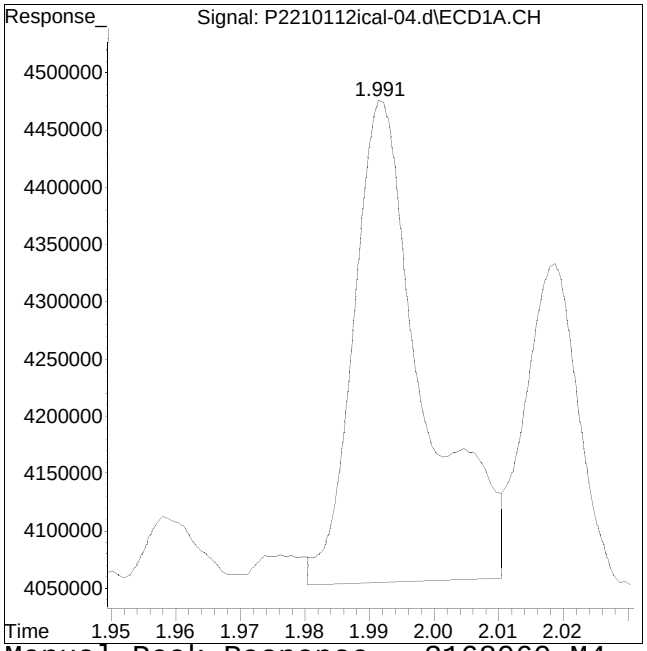
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-04.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:12 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 1/12/2021 2:48 pm

Compound #7: 1016-4



Original Peak Response = 4387352



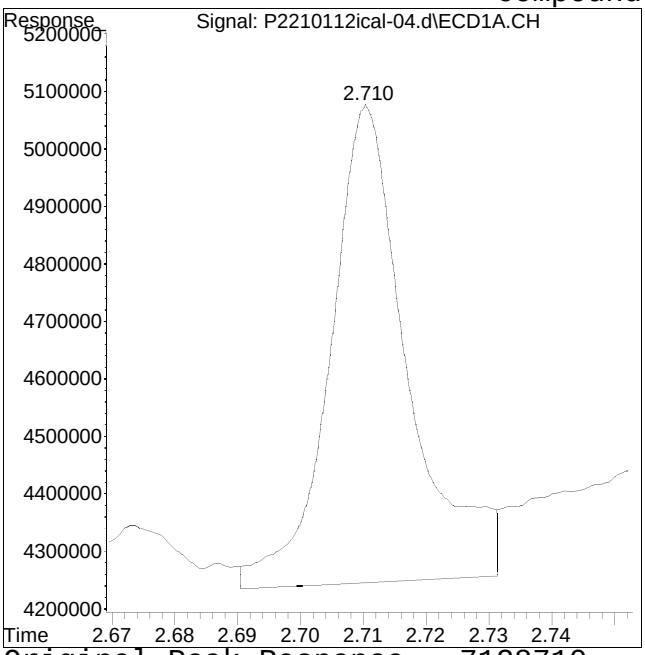
Manual Peak Response = 3168060 M4

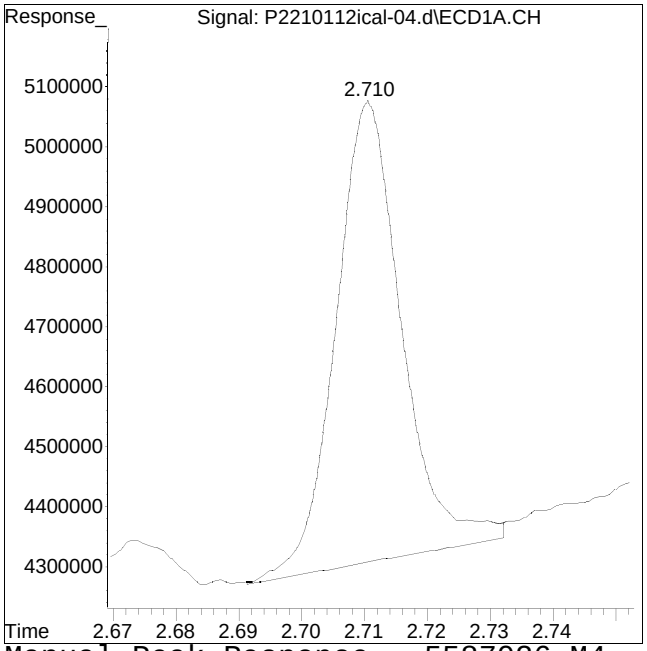
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-04.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:12 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 1/12/2021 2:48 pm

Compound #9: 1260-1



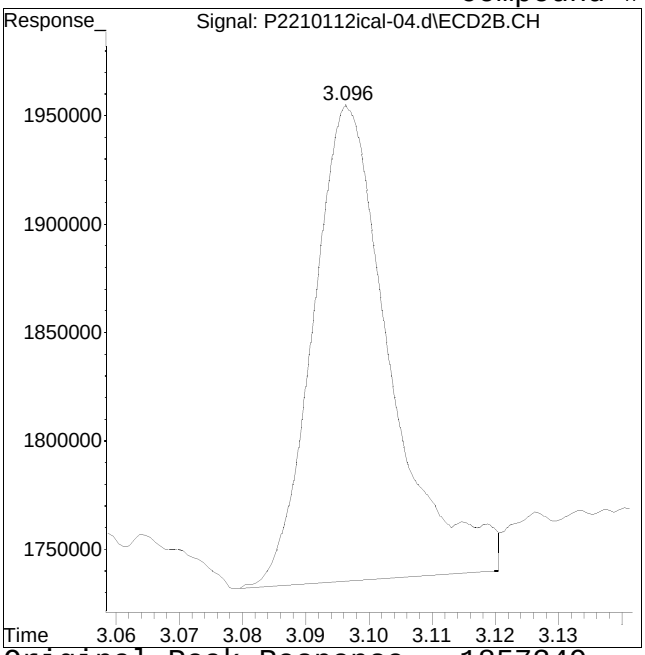


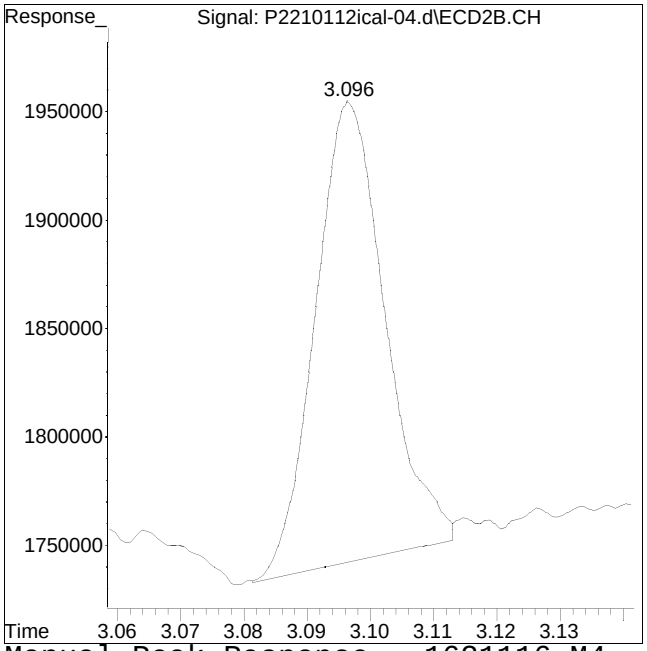
Original Peak Response = 7128710 Manual Peak Response = 5587026 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-04.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:12 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 1/12/2021 2:48 pm

Compound #60: 1260-1 #2



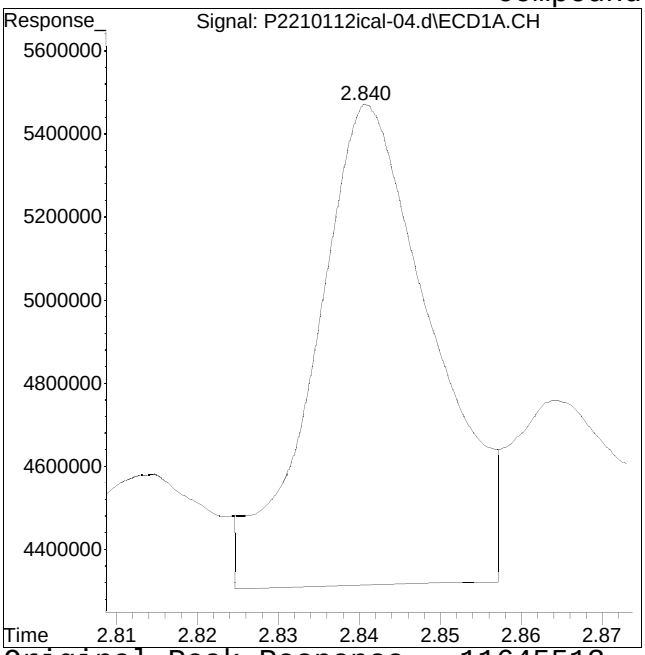


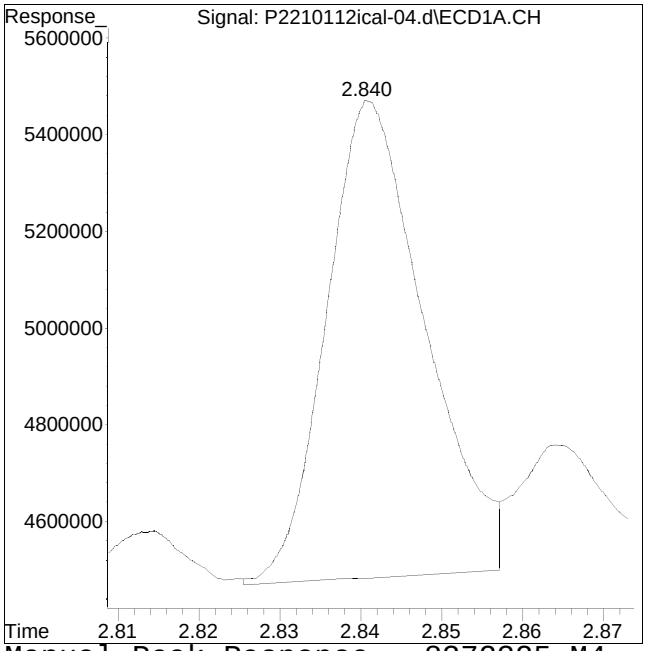
Original Peak Response = 1857349 Manual Peak Response = 1621116 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-04.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:12 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 1/12/2021 2:48 pm

Compound #10: 1260-2



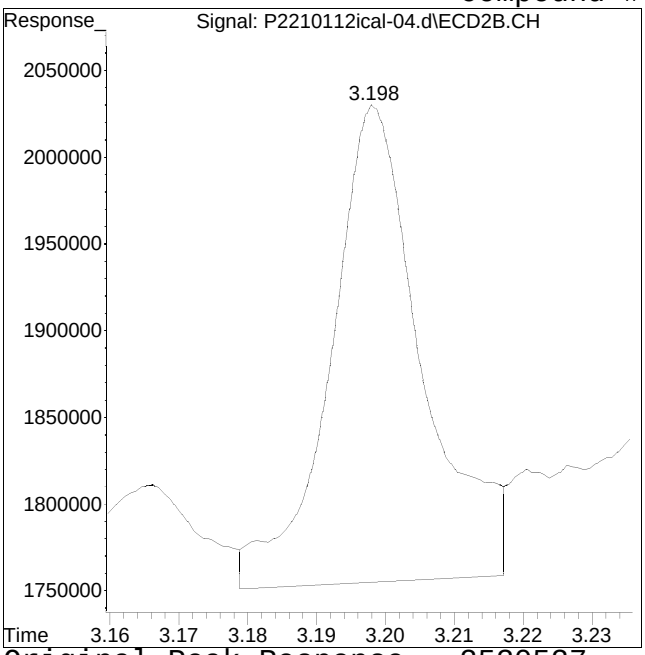


Original Peak Response = 11645513 Manual Peak Response = 8372325 M4
M4 = Poor automated baseline construction.

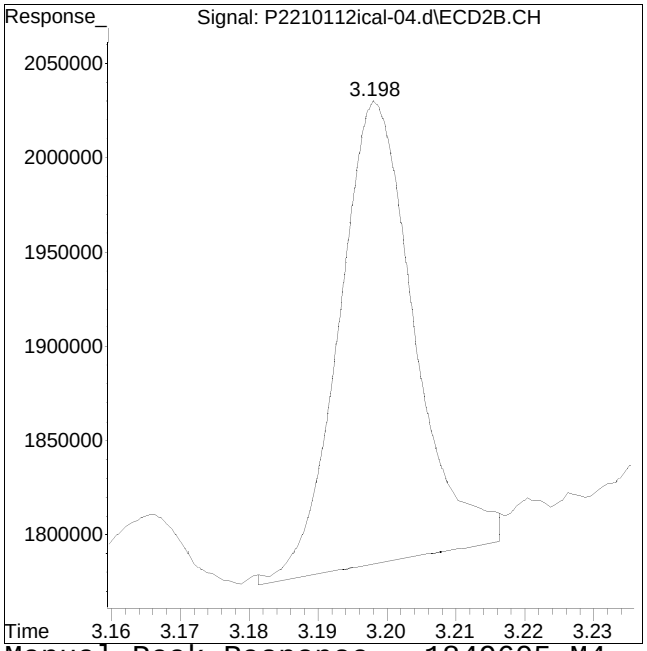
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-04.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:12 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 1/12/2021 2:48 pm

Compound #61: 1260-2 #2



Original Peak Response = 2530527



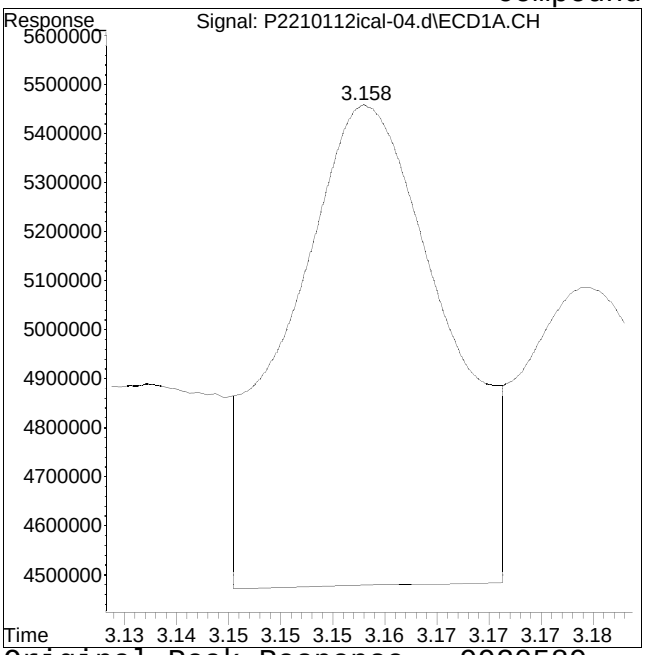
Manual Peak Response = 1849605 M4

M4 = Poor automated baseline construction.

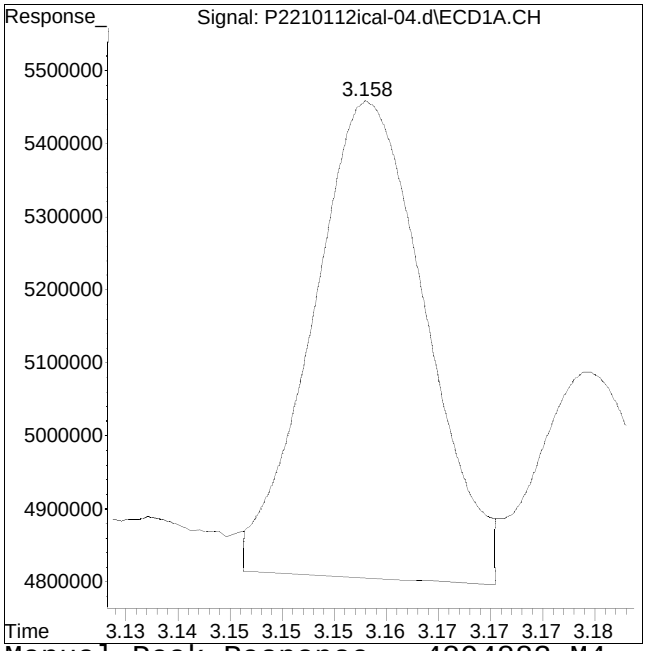
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-04.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:12 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 1/12/2021 2:48 pm

Compound #11: 1260-3



Original Peak Response = 9920589



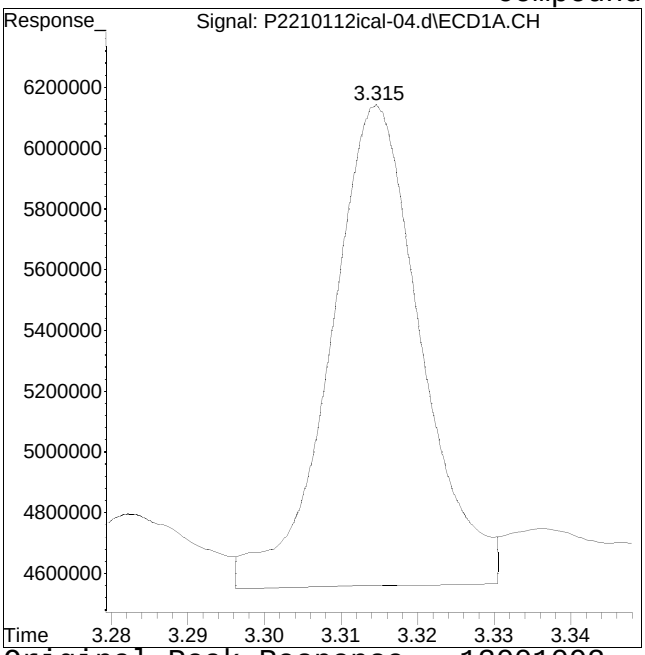
Manual Peak Response = 4894883 M4

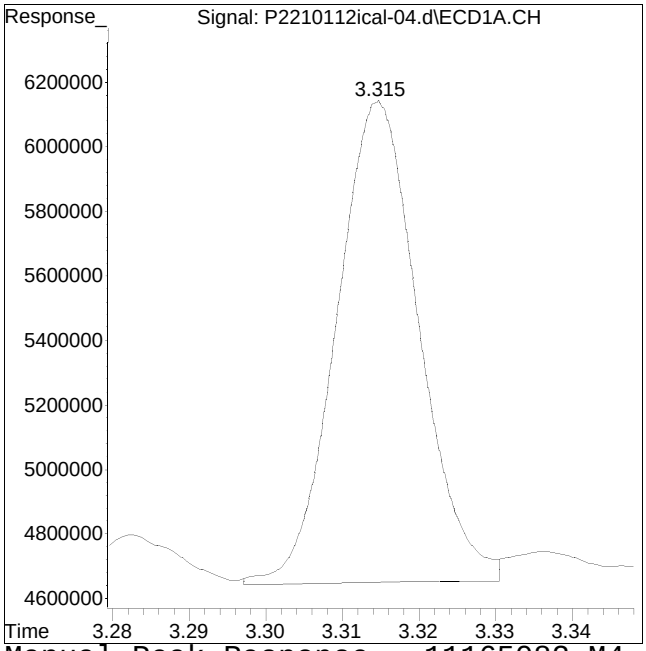
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-04.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:12 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 1/12/2021 2:48 pm

Compound #12: 1260-4



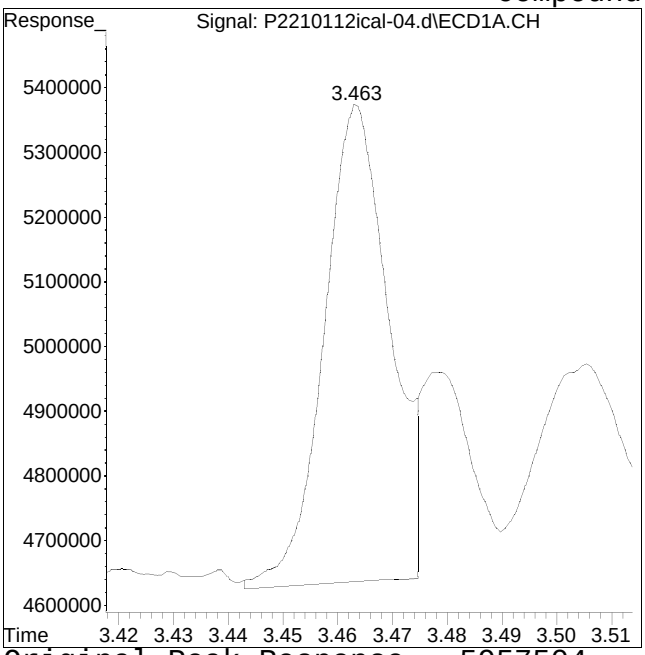


Original Peak Response = 13001092 Manual Peak Response = 11165082 M4
M4 = Poor automated baseline construction.

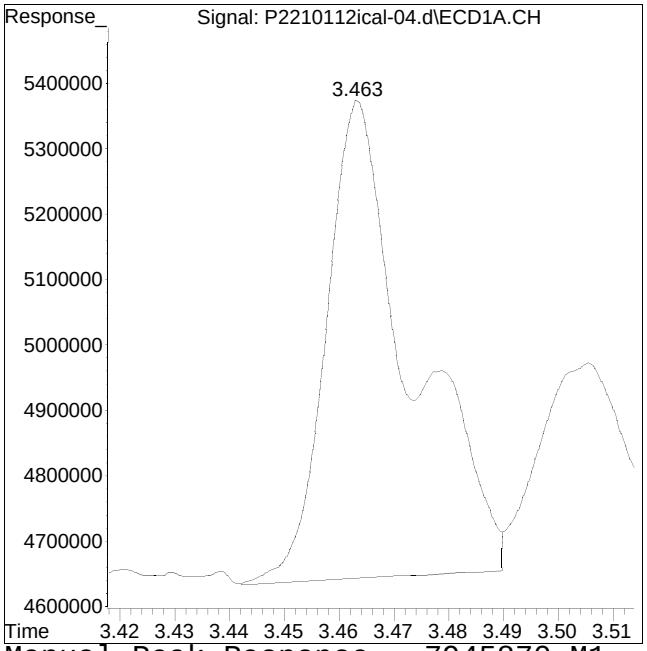
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-04.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:12 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 1/12/2021 2:48 pm

Compound #13: 1260-5



Original Peak Response = 5957504



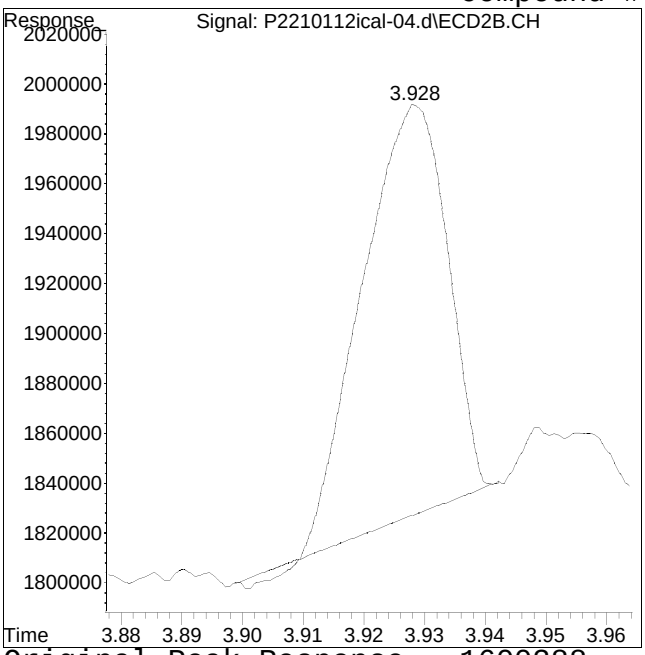
Manual Peak Response = 7945870 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

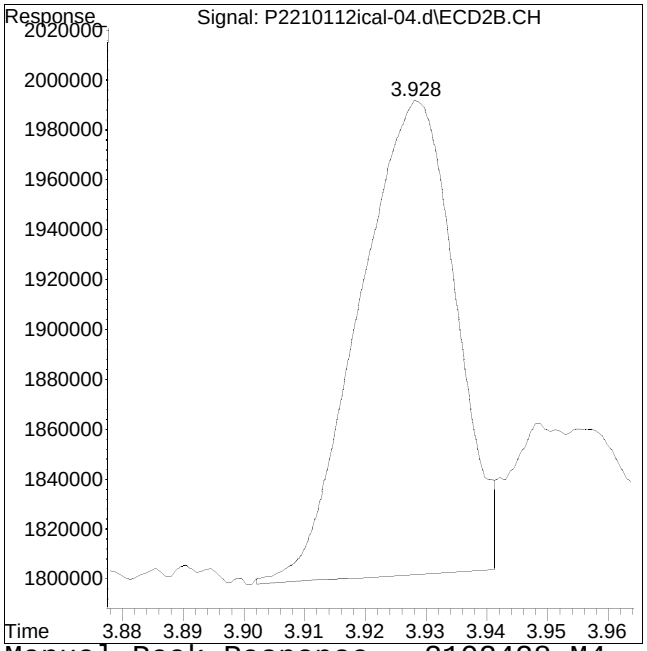
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-04.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:12 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 1/12/2021 2:48 pm

Compound #64: 1260-5 #2



Original Peak Response = 1600388



Manual Peak Response = 2102428 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:20 pm
Operator : pest2:kb
Sample : il21660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:51:34 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:47:19 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.176	1.246	207.3E6	53248032	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.464	1.626	29576724	8006865	3.207	3.325
Spiked Amount	20.000	Range 30 - 150		Recovery =		16.04%#	16.63%#
3) s	Decachlorobi	4.050	4.582	53759576	14108545	6.634	7.231
Spiked Amount	20.000	Range 30 - 150		Recovery =		33.17%	36.16%
	Target Compounds						
4) l1	1016-1	1.604	1.830	8484917	2596987	51.685	55.277
5) l1	1016-2	1.747	2.004	20206396	5226964	53.084	49.981
6) l1	1016-3	1.937	2.208	37781137	10764031	49.801	53.777
7) l1	1016-4	1.992	2.269	16089475	4463289	51.723	55.107
8) l1	1016-5	2.164	2.482	16216925	3673922	50.952	56.329
Sum	1016-1			98778851	26725193	257.245	270.471
Average	1016-1					51.449	54.094
9) l2	1260-1	2.711	3.098	26161716	7128604	52.592	55.679
10) l2	1260-2	2.841	3.200	41486515	8577793	53.577	55.130
11) l2	1260-3	3.159	3.596	28810444	6737082	55.673	54.143
12) l2	1260-4	3.315	3.726	52158972	13788167	48.723	53.376
13) l2	1260-5	3.464	3.929	38202665	9659701	51.960M1	53.308
Sum	1260-1			186.8E6	45891347	NoCal	NoCal D
Average	1260-1					52.505	54.327
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:20 pm
Operator : pest2:kb
Sample : il21660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:51:34 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:47:19 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:20 pm
Operator : pest2:kb
Sample : il21660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:51:34 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:47:19 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

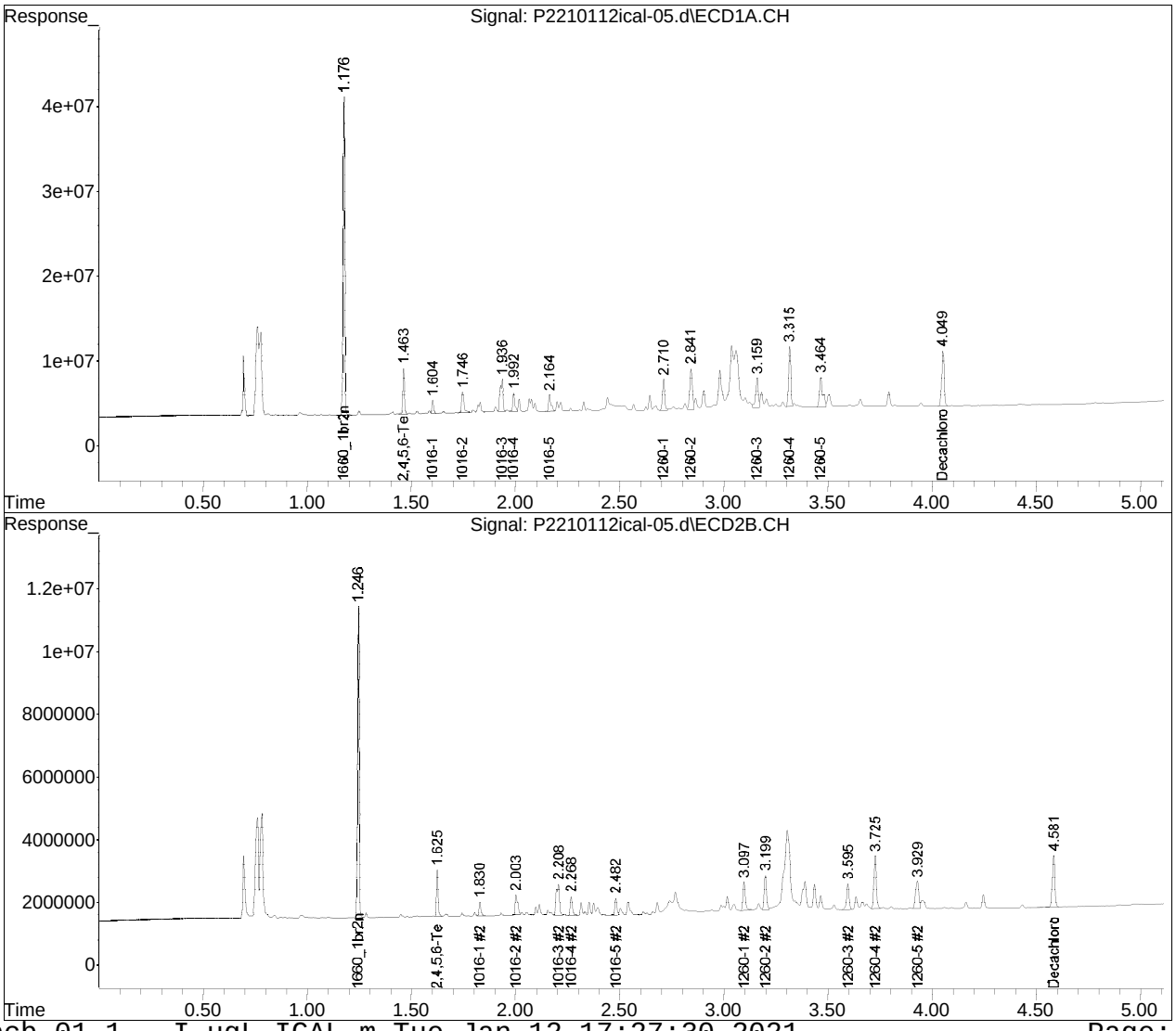
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:20 pm
Operator : pest2:kb
Sample : il21660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:51:34 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:47:19 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

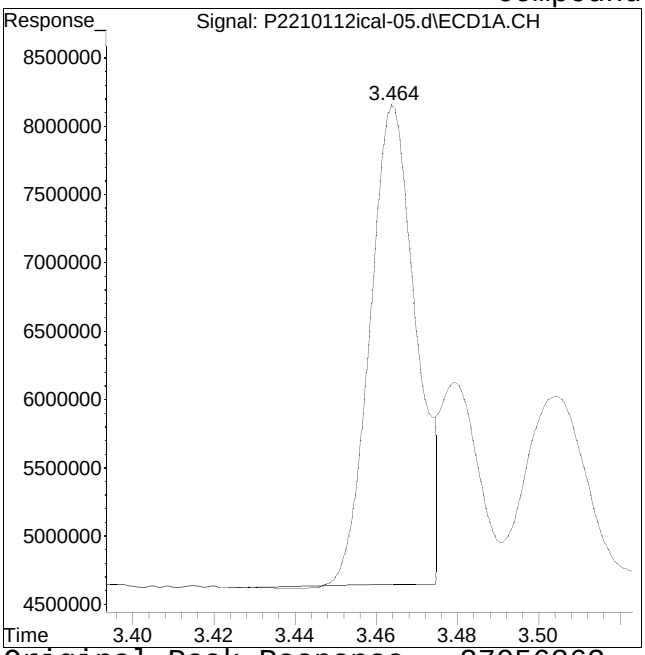
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

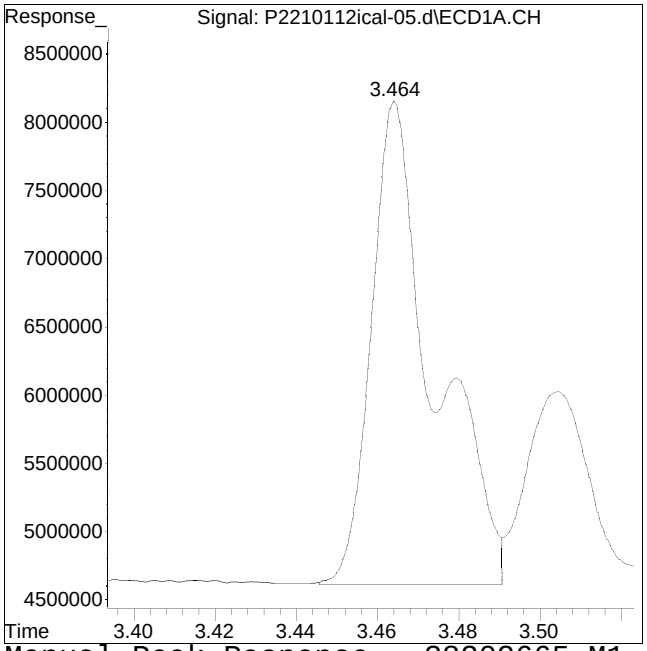


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-05.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:20 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 1/12/2021 2:47 pm

Compound #13: 1260-5





Original Peak Response = 27056363 Manual Peak Response = 38202665 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:28 pm
Operator : pest2:kb
Sample : il31660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:01:06 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:00:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.177	1.247	204.9E6	53109006	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.464	1.626	57557904	15410008	6.305	6.278
Spiked Amount	20.000	Range 30 - 150		Recovery =		31.52%	31.39%
3) s	Decachlorobi	4.050	4.581	103.5E6	25834056	12.778	12.685
Spiked Amount	20.000	Range 30 - 150		Recovery =		63.89%	63.42%
	Target Compounds						
4) l1	1016-1	1.605	1.830	16345396	4874614	98.894	106.357
5) l1	1016-2	1.747	2.004	38256505	10818687	100.551	106.496
6) l1	1016-3	1.937	2.208	74434643	20372276	98.860	101.123
7) l1	1016-4	1.993	2.269	30905261	8305378	100.116	100.424
8) l1	1016-5	2.164	2.483	31782612	6712940	99.275	103.367
Sum	1016-1			191.7E6	51083894	497.697	517.765
Average	1016-1					99.539	103.553
9) l2	1260-1	2.711	3.098	50059665	12957909	100.162	97.569
10) l2	1260-2	2.842	3.200	78187396	15883044	101.149	100.379
11) l2	1260-3	3.160	3.596	53310325	12675203	105.665	99.876
12) l2	1260-4	3.316	3.726	106.1E6	26098309	100.813	99.767
13) l2	1260-5	3.464	3.930	72231805	18411707	96.961	99.692
Sum	1260-1			359.9E6	86026172	N.D.	N.D. D
Average	1260-1					100.950	99.456
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:28 pm
Operator : pest2:kb
Sample : il31660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:01:06 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:00:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D.	N.D.
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:28 pm
Operator : pest2:kb
Sample : il31660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:01:06 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:00:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

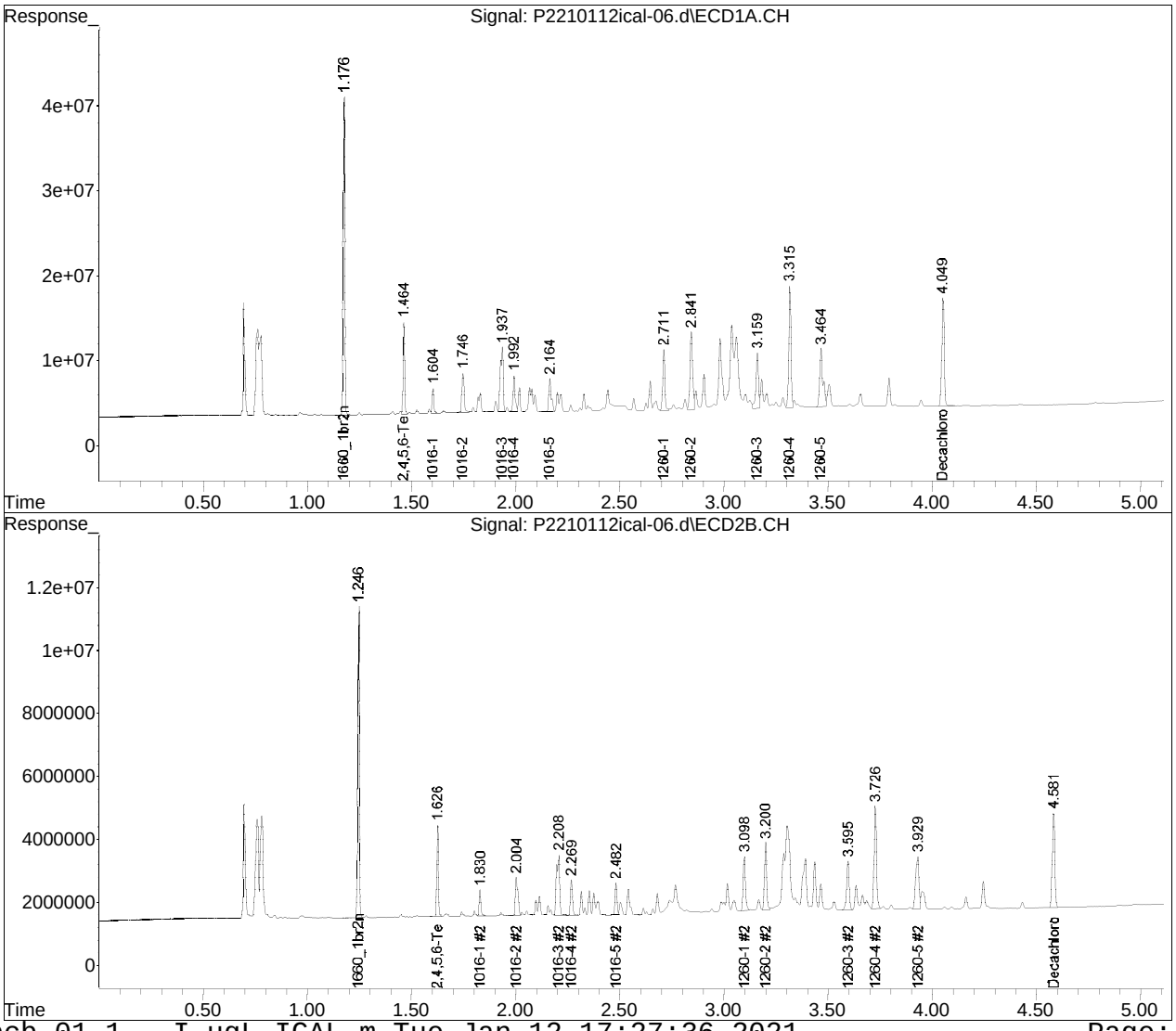
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:28 pm
Operator : pest2:kb
Sample : il31660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:01:06 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:00:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\PCB\Pest2\2021\210112ICQ	Method	: P2_pcb_01_12_21_LVI_ugL_
Data File	: P2210112ical-06.d	Operator	: pest2:kb
Date Inj'd	: 1/12/2021 2:28 pm	Instrument	: PEST 2
Sample	: il31660,42e,,10250 lvi	Quant Date	: 1/12/2021 5:00 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:36 pm
Operator : pest2:kb
Sample : il41660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:46:56 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:43:36 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.176	1.246	208.2E6	54051933	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.464	1.626	150.2E6	39023486	16.433	15.924
Spiked Amount	20.000	Range 30 - 150		Recovery =		82.16%	79.62%
3) s	Decachlorobi	4.050	4.582	258.0E6	61018044	31.404	29.705
Spiked Amount	20.000	Range 30 - 150		Recovery =		157.02%#	148.53%
	Target Compounds						
4) l1	1016-1	1.605	1.831	40920986	11442440	246.348	230.640
5) l1	1016-2	1.748	2.005	93974850	25552257	241.716	232.066
6) l1	1016-3	1.937	2.208	191.9E6	49756126	253.682	239.974
7) l1	1016-4	1.993	2.269	77709557	19975746	247.424	236.320
8) l1	1016-5	2.164	2.483	79100667	16023019	244.901	234.525
Sum	1016-1			483.6E6	122.7E6	1234.071	1173.525
Average	1016-1					246.814	234.705
9) l2	1260-1	2.711	3.098	122.6E6	32011178	241.087	242.730
10) l2	1260-2	2.842	3.200	190.2E6	38557771	239.429	238.526
11) l2	1260-3	3.159	3.596	124.5E6	30904657	229.720	239.566
12) l2	1260-4	3.316	3.726	268.2E6	64705509	248.775	243.605
13) l2	1260-5	3.464	3.929	185.7E6	45123841	253.029	240.807
Sum	1260-1			891.2E6	211.3E6	NoCal	NoCal D
Average	1260-1					242.408	241.047
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:36 pm
Operator : pest2:kb
Sample : il41660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:46:56 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:43:36 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:36 pm
Operator : pest2:kb
Sample : il41660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:46:56 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:43:36 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

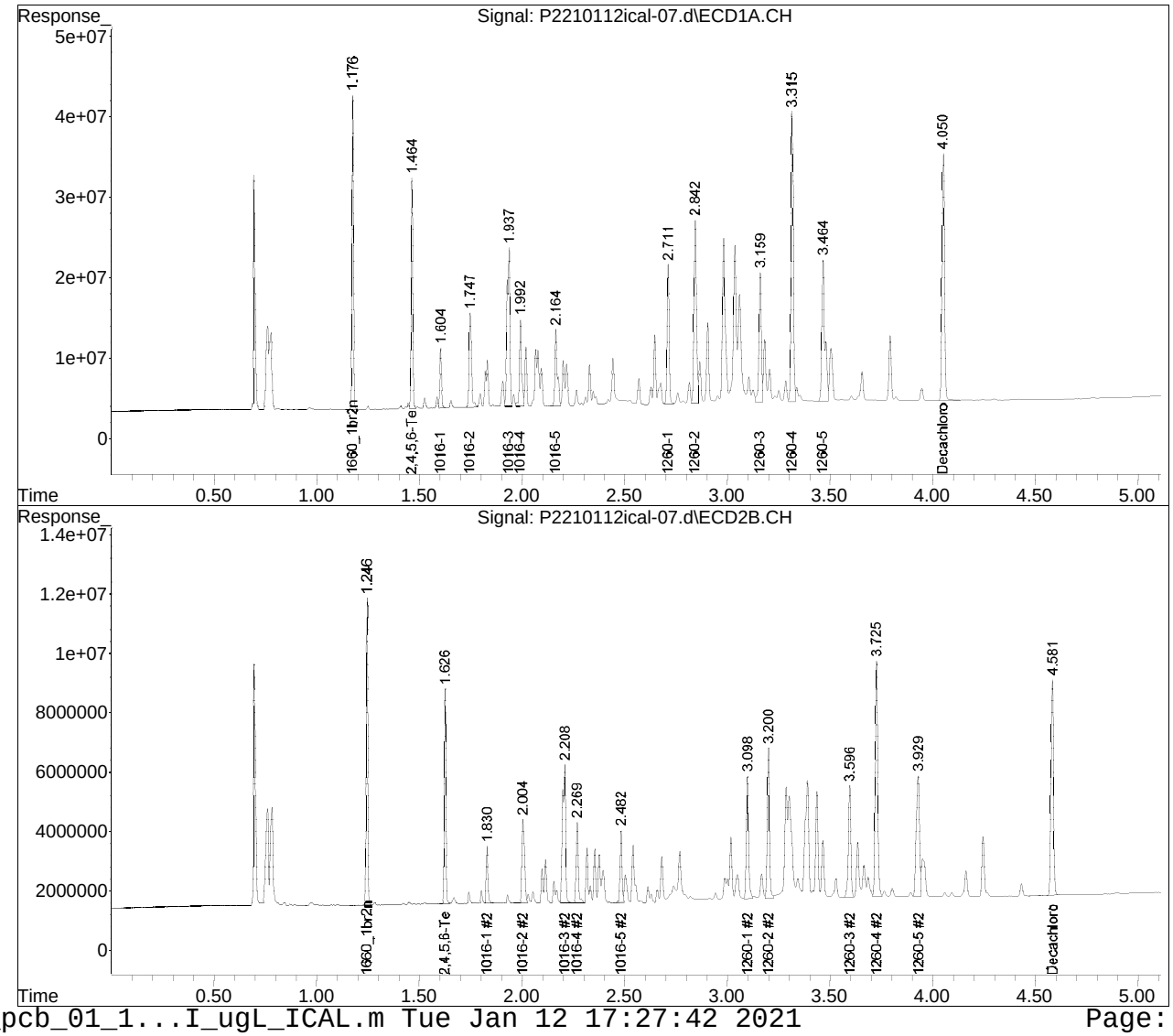
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:36 pm
Operator : pest2:kb
Sample : il41660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:46:56 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:43:36 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\PCB\Pest2\2021\210112ICQ	Method	: P2_pcb_01_12_21_LVI_ugL_
Data File	: P2210112ical-07.d	Operator	: pest2:kb
Date Inj'd	: 1/12/2021 2:36 pm	Instrument	: PEST 2
Sample	: il41660,42e,,10250 lvi	Quant Date	: 1/12/2021 2:46 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:44 pm
Operator : pest2:kb
Sample : il51660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:53:22 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:51:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.177	1.247	207.9E6	53744717	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.465	1.627	309.0E6	78586106	34.169	31.465
Spiked Amount	20.000	Range 30 - 150		Recovery =		170.84%#	157.33%#
3) s	Decachlorobi	4.051	4.583	504.6E6	118.3E6	59.849	54.198
Spiked Amount	20.000	Range 30 - 150		Recovery =		299.25%#	270.99%#
	Target Compounds						
4) l1	1016-1	1.606	1.831	83212171	22193395	495.847	465.887
5) l1	1016-2	1.748	2.005	179.0E6	48605889	448.360	458.225
6) l1	1016-3	1.938	2.209	393.3E6	98541485	523.927	474.707
7) l1	1016-4	1.994	2.270	152.4E6	39398421	487.479	456.402
8) l1	1016-5	2.165	2.483	161.0E6	31723651	497.772	472.899
Sum	1016-1			968.9E6	240.5E6	2453.385	2328.121
Average	1016-1					490.677	465.624
9) l2	1260-1	2.712	3.099	246.2E6	62333085	478.475	444.704
10) l2	1260-2	2.843	3.201	380.9E6	74441616	477.815	445.840
11) l2	1260-3	3.160	3.597	247.3E6	60786819	474.249	459.594
12) l2	1260-4	3.316	3.727	537.5E6	127.4E6	504.126	470.514
13) l2	1260-5	3.465	3.931	381.7E6	89716229	508.364M1	468.423
Sum	1260-1			1793.5E6	414.7E6	NoCal	NoCal D
Average	1260-1					488.606	457.815
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:44 pm
Operator : pest2:kb
Sample : il51660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:53:22 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:51:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:44 pm
Operator : pest2:kb
Sample : il51660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:53:22 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:51:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

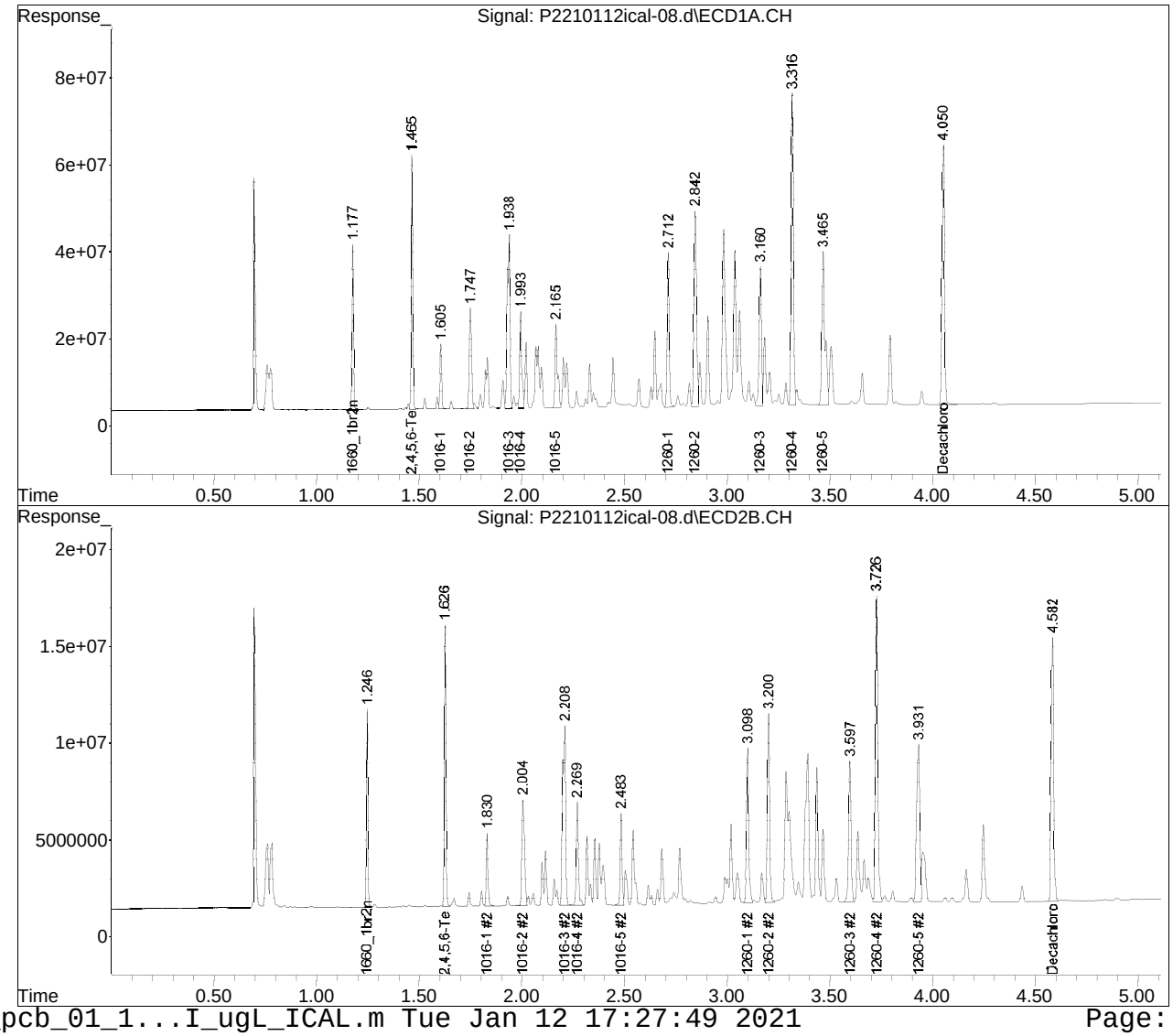
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:44 pm
Operator : pest2:kb
Sample : il51660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 14:53:22 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:51:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

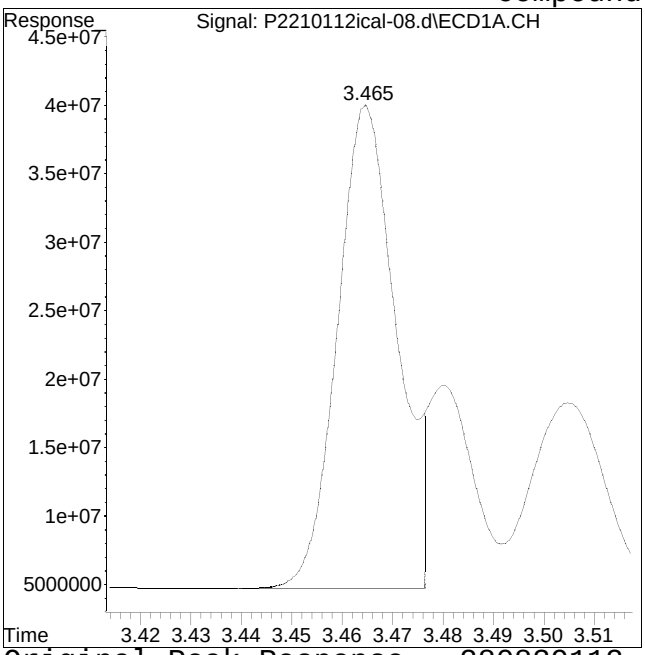
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

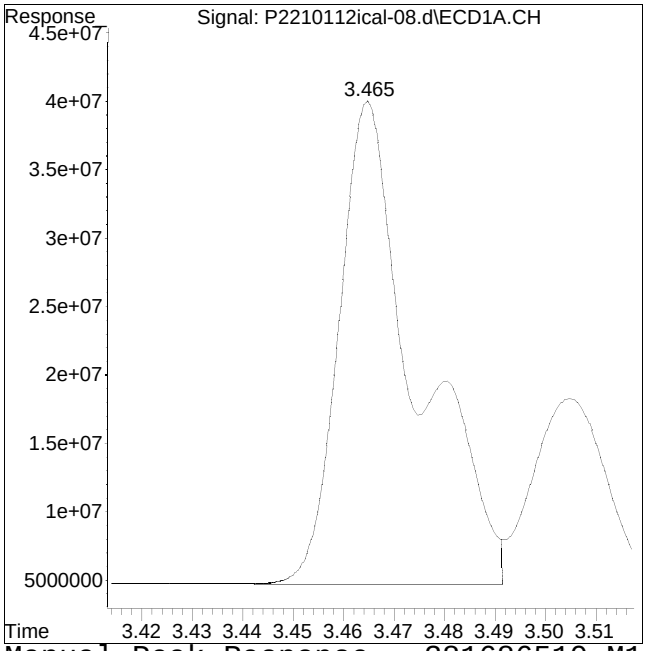


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-08.d Operator : pest2:kb
Date Inj'd : 1/12/2021 2:44 pm Instrument : PEST 2
Sample : il51660,42e,,10250 lvi Quant Date : 1/12/2021 2:52 pm

Compound #13: 1260-5





Original Peak Response = 280839112 Manual Peak Response = 381686510 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:53 pm
Operator : pest2:kb
Sample : il61660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 15:07:18 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:54:09 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.178	1.247	205.3E6	53331974	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.466	1.627	617.4E6	156.1E6	68.220	63.211
Spiked Amount	20.000	Range 30 - 150		Recovery =		341.10%#	316.05%#
3) s	Decachlorobi	4.051	4.583	974.2E6	227.1E6	118.561	108.200
Spiked Amount	20.000	Range 30 - 150		Recovery =		592.81%#	541.00%#
	Target Compounds						
4) l1	1016-1	1.606	1.831	166.8E6	43020886	1008.118	922.680
5) l1	1016-2	1.749	2.005	357.6E6	94584236	926.226	913.851
6) l1	1016-3	1.939	2.209	786.3E6	194.3E6	1050.922	952.960
7) l1	1016-4	1.994	2.270	320.5E6	77467544	1043.364	920.402
8) l1	1016-5	2.166	2.484	330.1E6	62061263	1034.990	942.514
Sum	1016-1			1961.2E6	471.4E6	5063.620	4652.407
Average	1016-1					1012.724	930.481
9) l2	1260-1	2.712	3.099	486.6E6	120.1E6	965.981	883.140
10) l2	1260-2	2.843	3.201	747.8E6	142.9E6	958.723	881.455
11) l2	1260-3	3.161	3.597	486.3E6	119.0E6	954.624	921.816
12) l2	1260-4	3.316	3.727	1054.7E6	248.4E6	1000.293	935.621
13) l2	1260-5	3.465	3.931	760.6E6	174.5E6	1022.573	929.819
Sum	1260-1			3535.9E6	805.0E6	NoCal	NoCal D
Average	1260-1					980.439	910.370
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:53 pm
Operator : pest2:kb
Sample : il61660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 15:07:18 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:54:09 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:53 pm
Operator : pest2:kb
Sample : il61660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 15:07:18 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:54:09 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

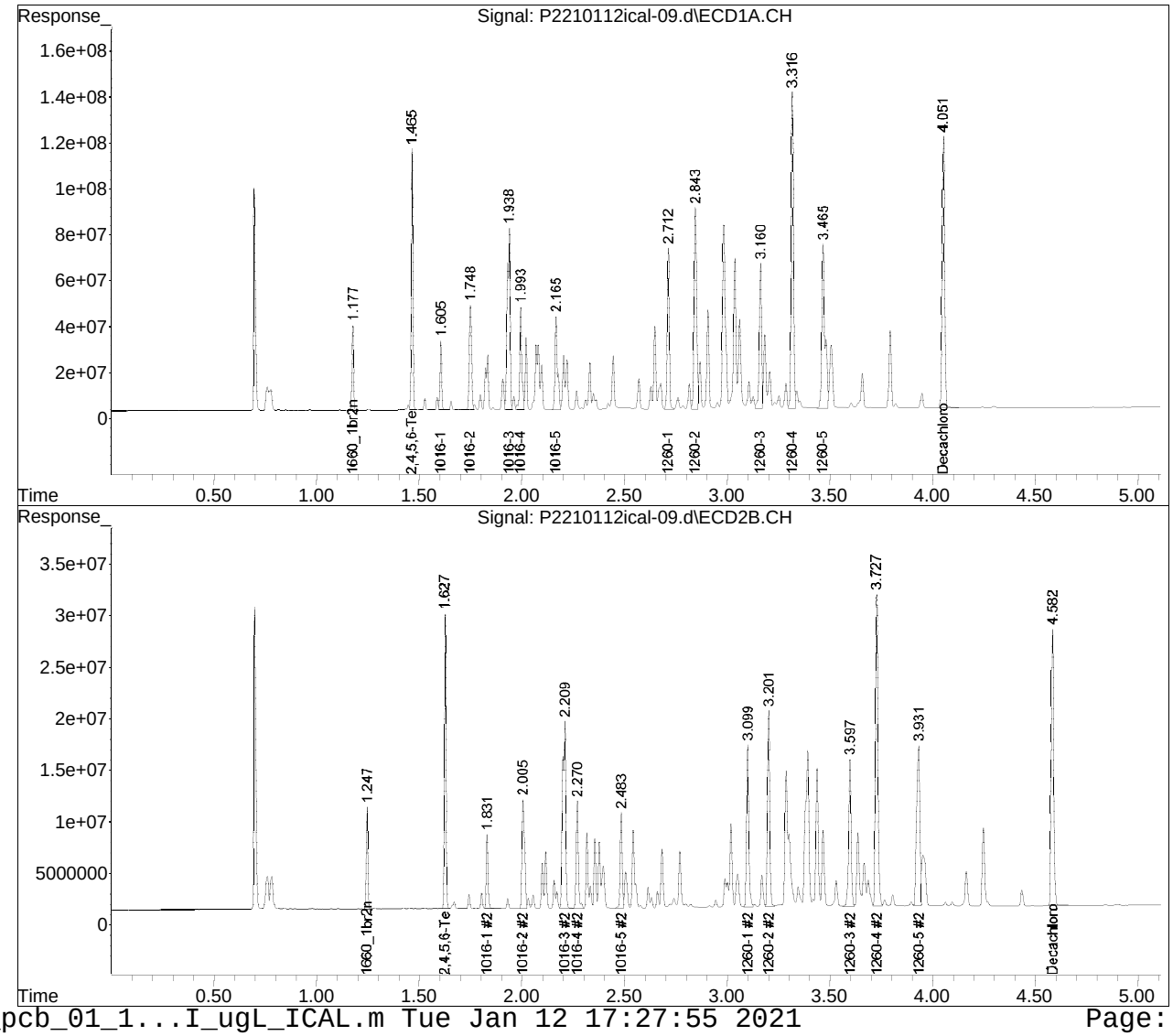
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 2:53 pm
Operator : pest2:kb
Sample : il61660,42e,,10250 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 15:07:18 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 14:54:09 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\PCB\Pest2\2021\210112ICQ	Method	: P2_pcb_01_12_21_LVI_ugL_
Data File	: P2210112ical-09.d	Operator	: pest2:kb
Date Inj'd	: 1/12/2021 2:53 pm	Instrument	: PEST 2
Sample	: il61660,42e,,10250 lvi	Quant Date	: 1/12/2021 3:06 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:01 pm
Operator : pest2:kb
Sample : il44268,42e,,10252 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:03:33 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:03:18 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.177	1.247	200.9E6	53378596	25.000	25.000M2
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:01 pm
Operator : pest2:kb
Sample : il44268,42e,,10252 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:03:33 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:03:18 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.606	1.831	31226671	8892525	250.000	250.000M2
25) l6	1242-2	1.748	2.004	73660960	20087260	250.000	250.000M2
26) l6	1242-3	1.938	2.208	148.0E6	38811428	250.000	250.000M2
27) l6	1242-4	1.994	2.269	61092184	15404384	250.000	250.000M2
28) l6	1242-5	2.348	2.660	48540736	13275130	250.000	250.000M2
Sum	1242-1			362.5E6	96470727	1250.000	1250.000
Average	1242-1					250.000	250.000
29) l9	1268-1	3.481	3.924	346.1E6	83023172	250.000	250.000M2
30) l9	1268-2	3.502	3.950	339.5E6	78858037	250.000	250.000M2
31) l9	1268-3	3.604	4.093	247.1E6	59651348	250.000	250.000M2
32) l9	1268-4	3.792	4.246	117.0E6	27890505	250.000	250.000M2
33) l9	1268-5	3.947	4.433	724.5E6	170.5E6	250.000	250.000M2
Sum	1268-1			1774.3E6	420.0E6	N.D.	N.D. D
Average	1268-1					250.000	250.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:01 pm
Operator : pest2:kb
Sample : il44268,42e,,10252 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:03:33 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:03:18 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

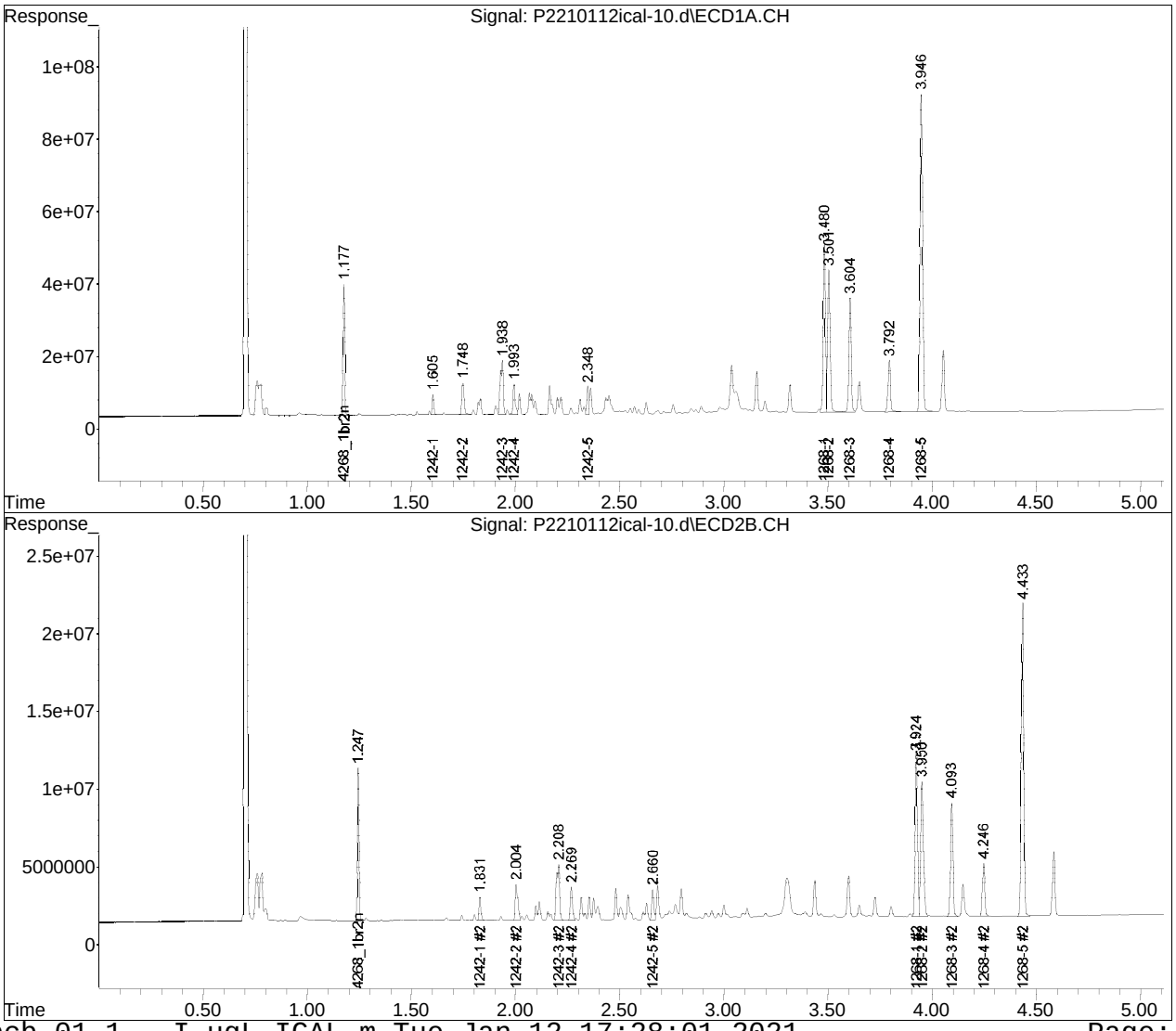
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:01 pm
Operator : pest2:kb
Sample : il44268,42e,,10252 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:03:33 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:03:18 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

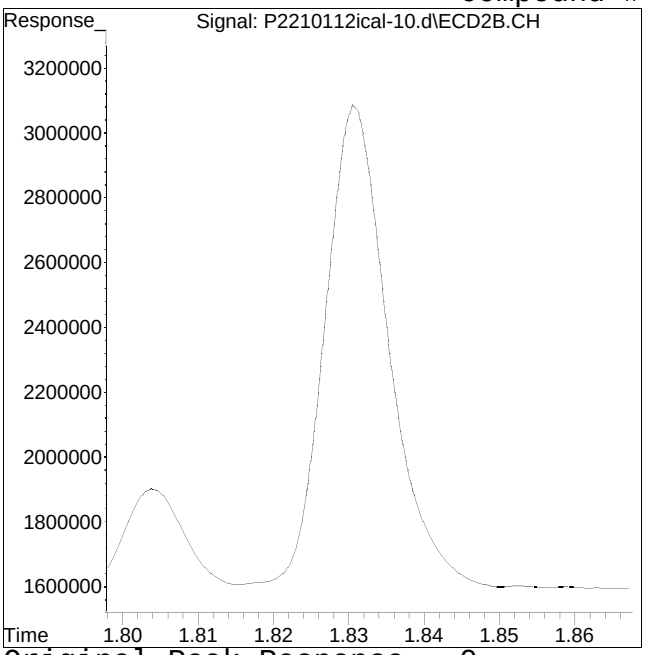
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



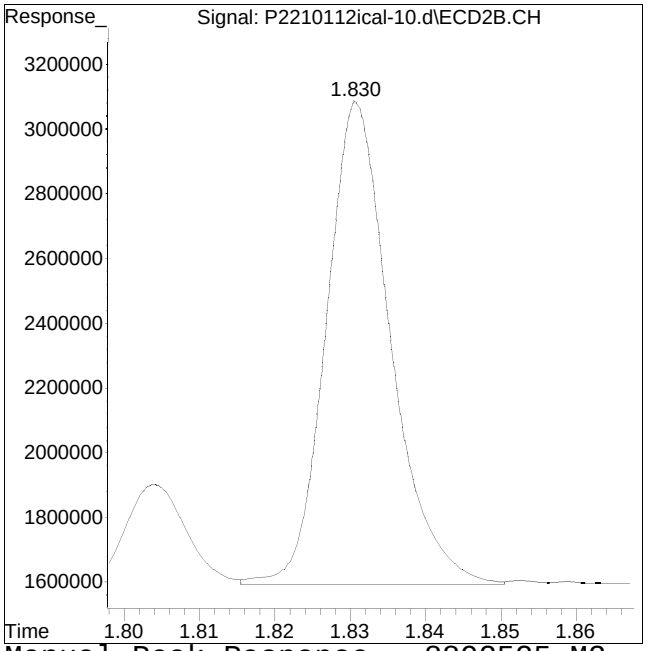
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-10.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:01 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 1/12/2021 5:03 pm

Compound #75: 1242-1 #2



Original Peak Response = 0



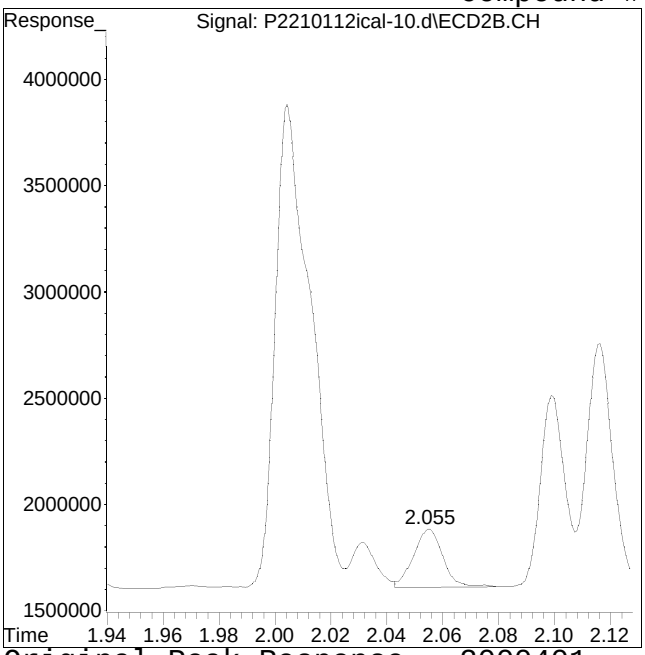
Manual Peak Response = 8892525 M2

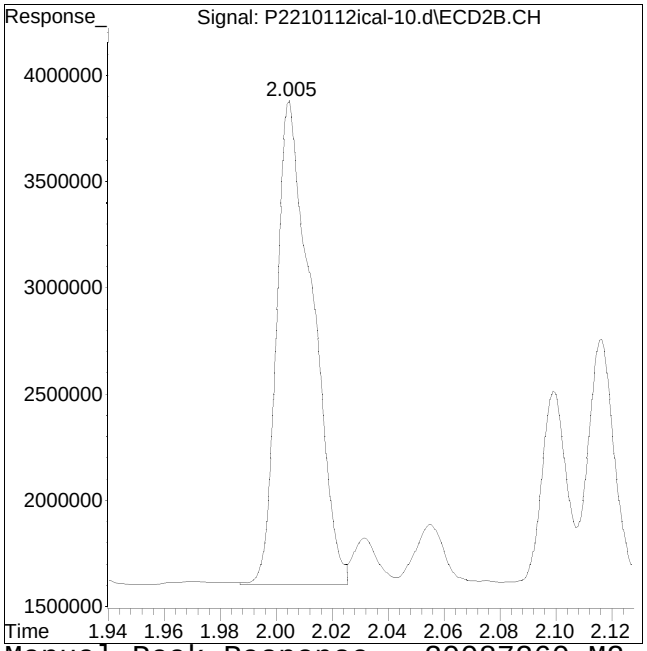
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-10.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:01 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 1/12/2021 5:03 pm

Compound #76: 1242-2 #2



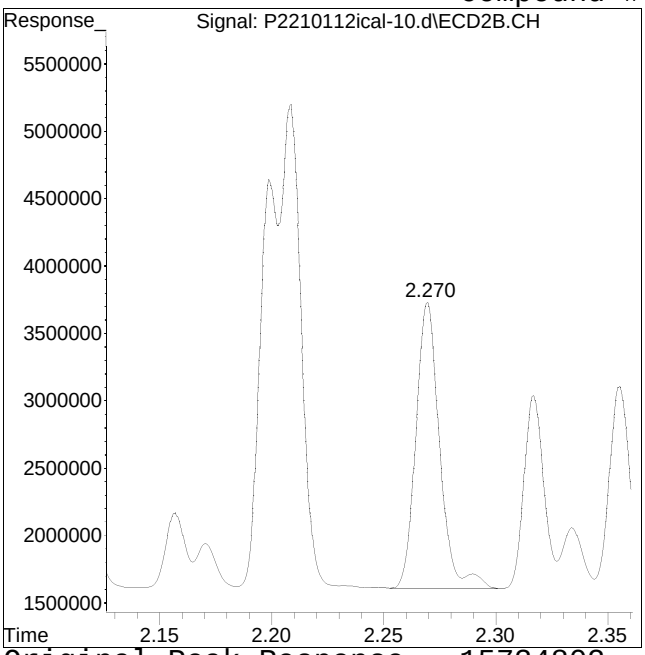


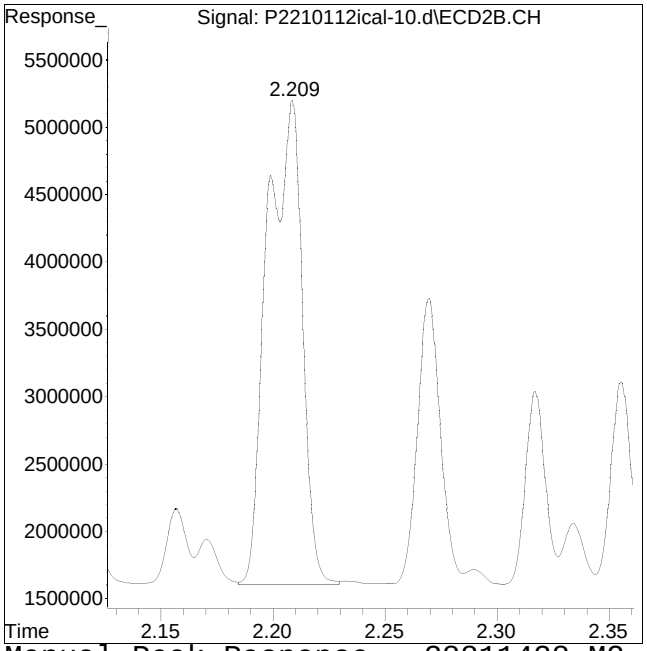
Original Peak Response = 2000401 Manual Peak Response = 20087260 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-10.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:01 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 1/12/2021 5:03 pm

Compound #77: 1242-3 #2



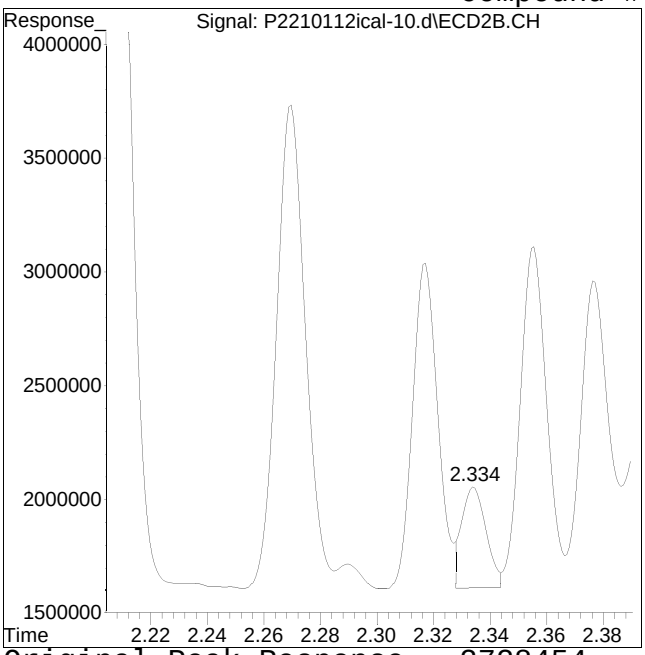


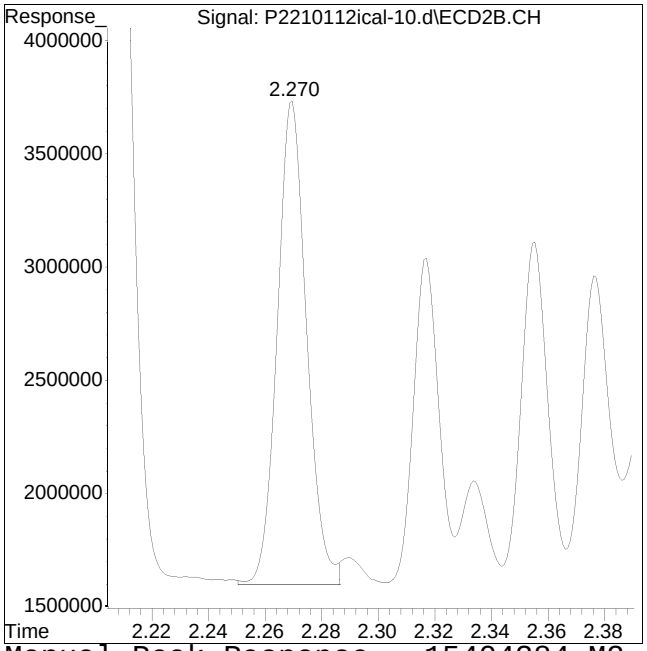
Original Peak Response = 15734802 Manual Peak Response = 38811428 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-10.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:01 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 1/12/2021 5:03 pm

Compound #78: 1242-4 #2



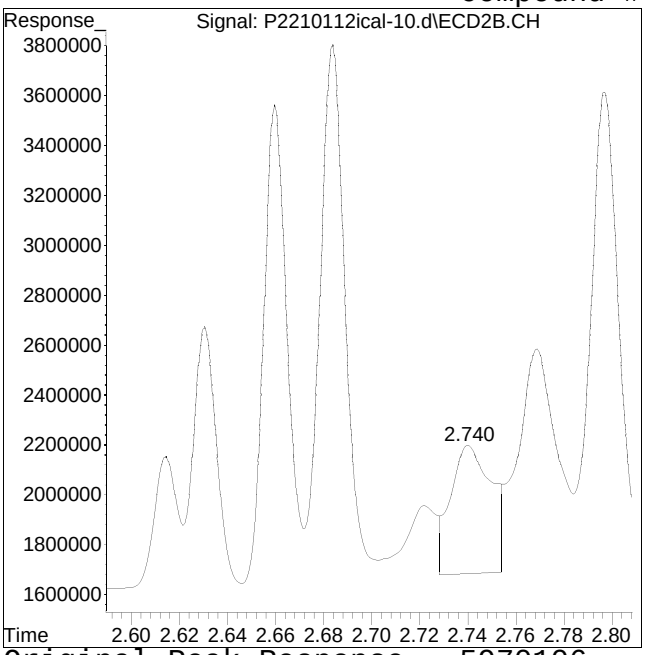


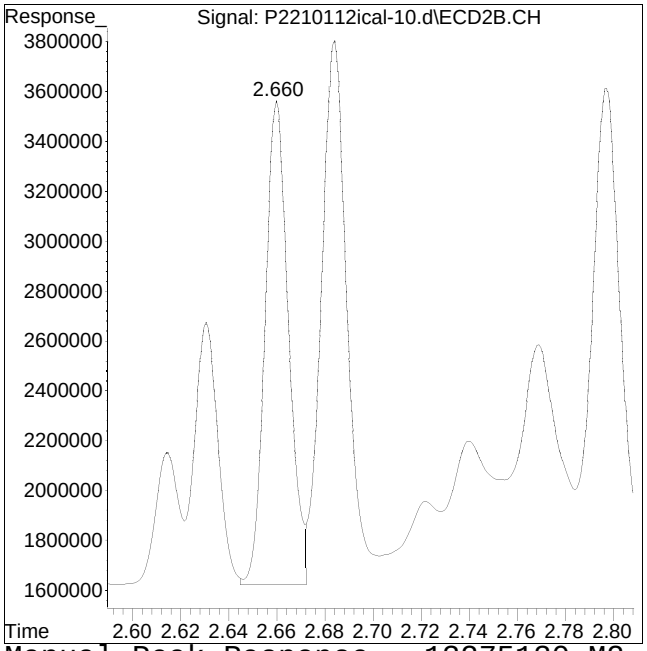
Original Peak Response = 2728454 Manual Peak Response = 15404384 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-10.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:01 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 1/12/2021 5:03 pm

Compound #79: 1242-5 #2



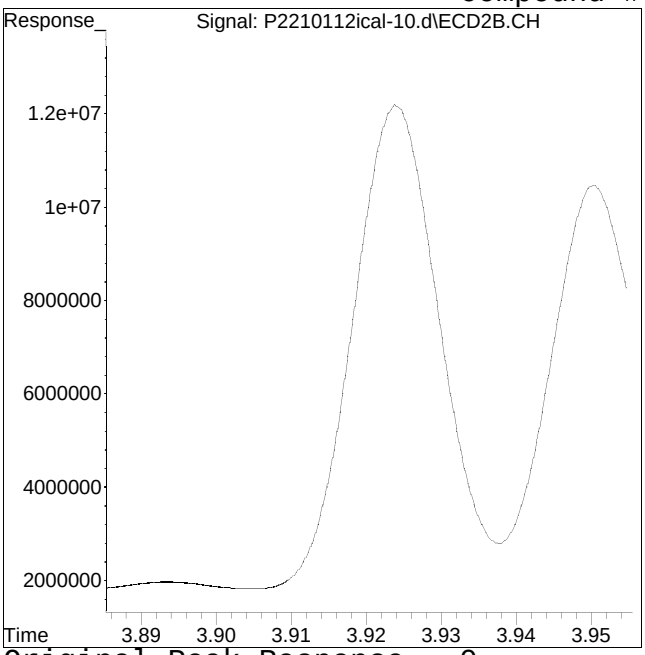


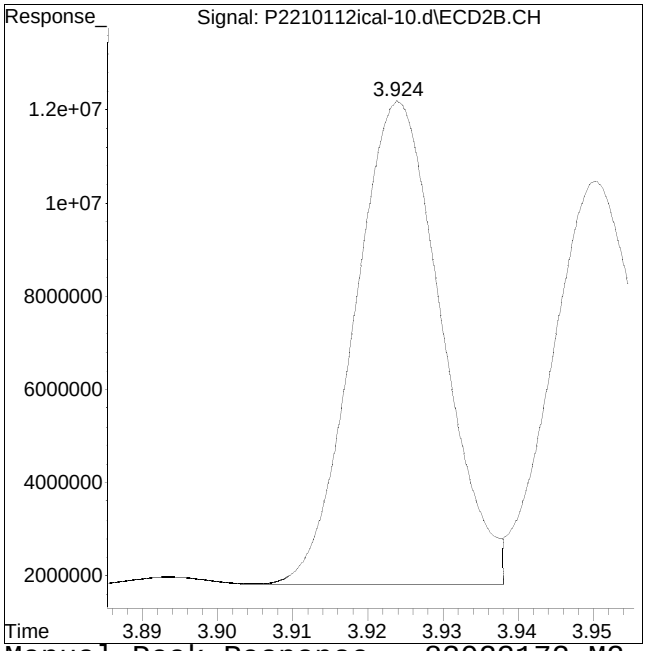
Original Peak Response = 5970106 Manual Peak Response = 13275130 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-10.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:01 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 1/12/2021 5:03 pm

Compound #80: 1268-1 #2



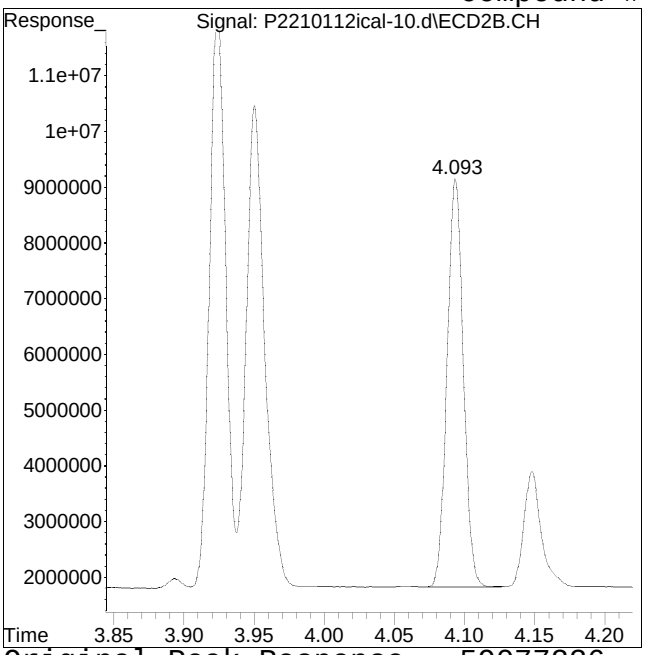


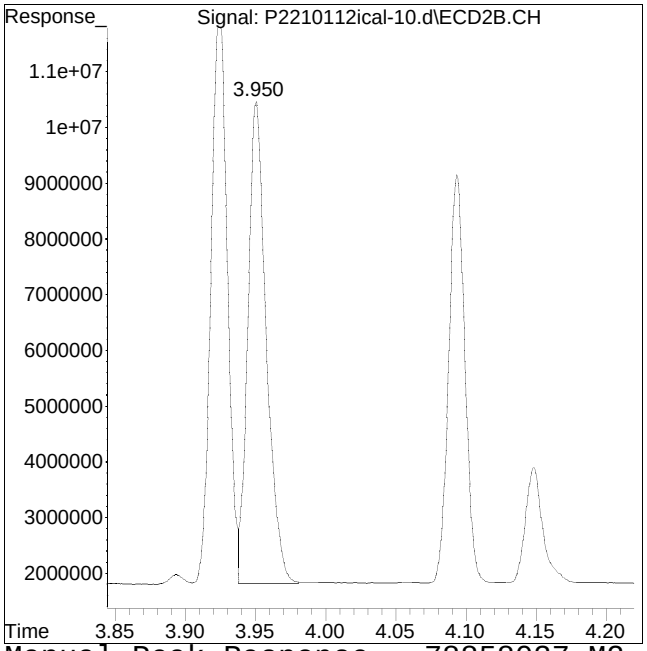
Original Peak Response = 0 Manual Peak Response = 83023172 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-10.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:01 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 1/12/2021 5:03 pm

Compound #81: 1268-2 #2



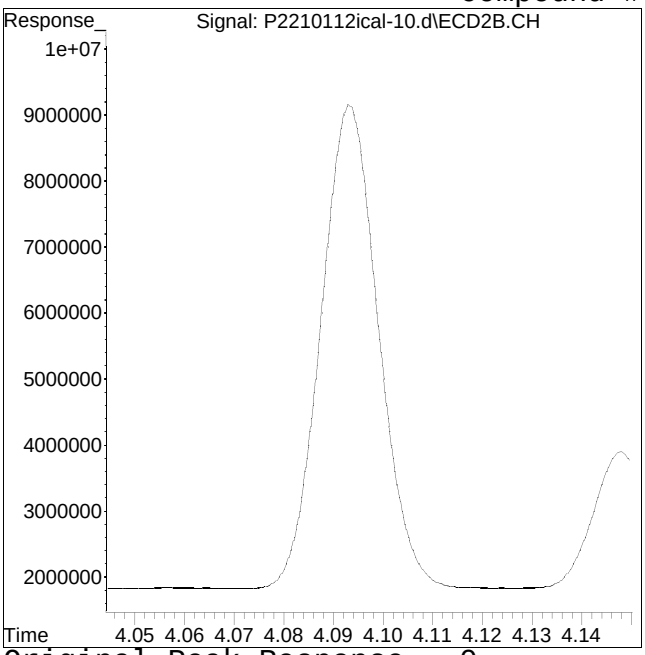


Original Peak Response = 59077236 Manual Peak Response = 78858037 M2
M2 = Peak not found by automatic integration algorithm.

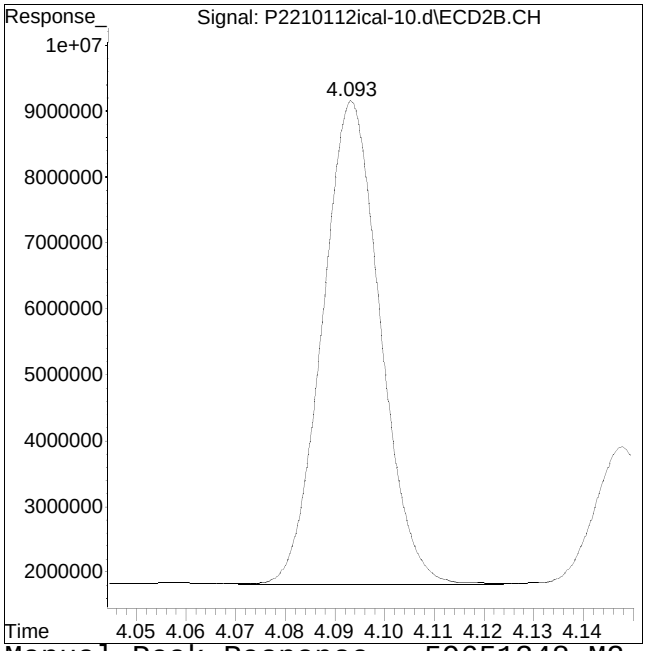
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-10.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:01 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 1/12/2021 5:03 pm

Compound #82: 1268-3 #2



Original Peak Response = 0



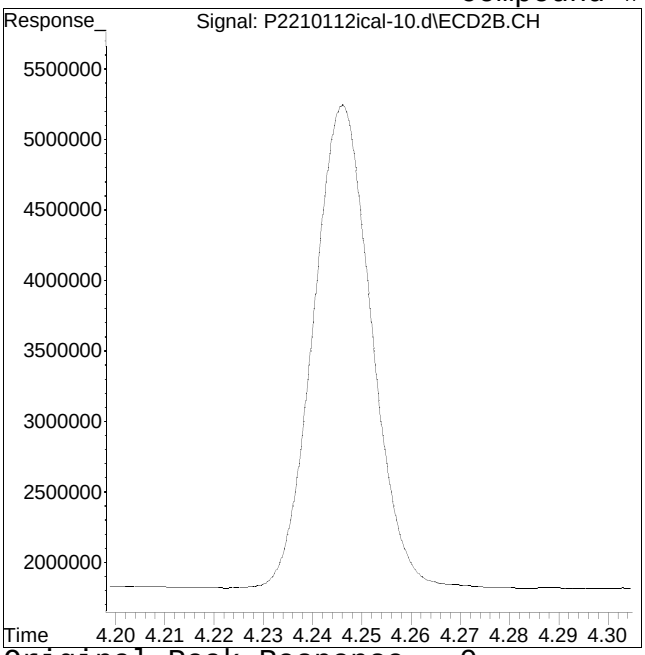
Manual Peak Response = 59651348 M2

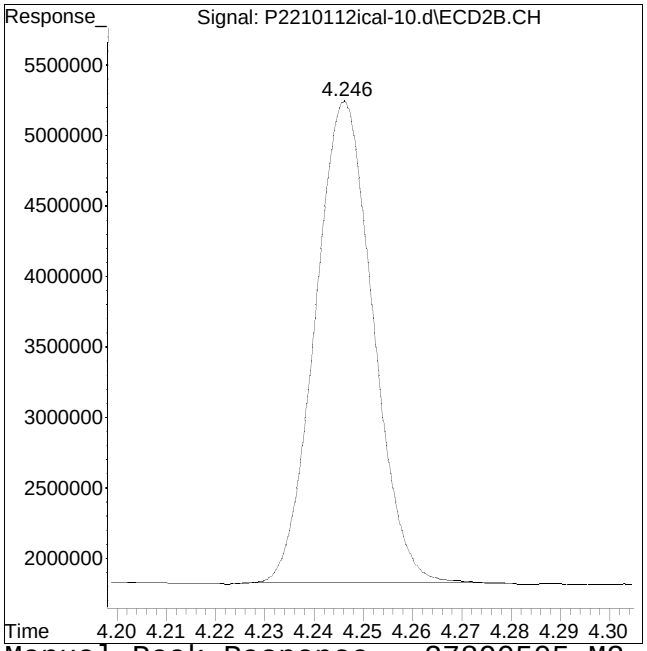
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-10.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:01 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 1/12/2021 5:03 pm

Compound #83: 1268-4 #2



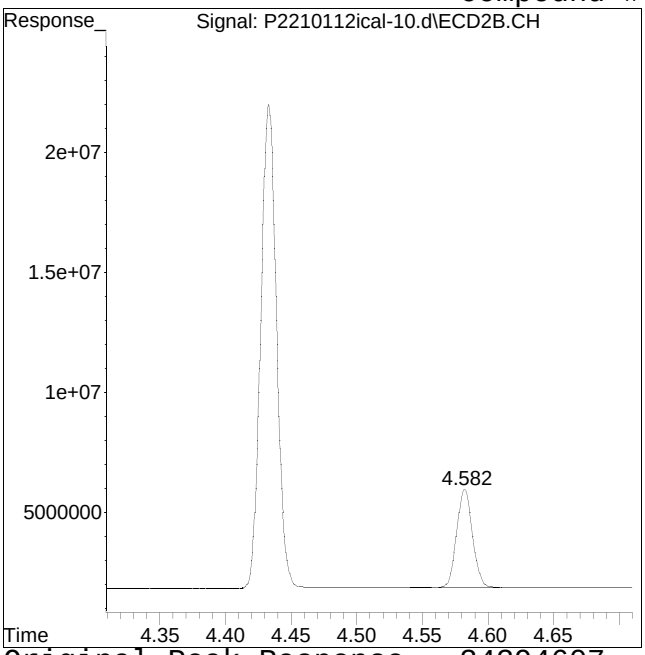


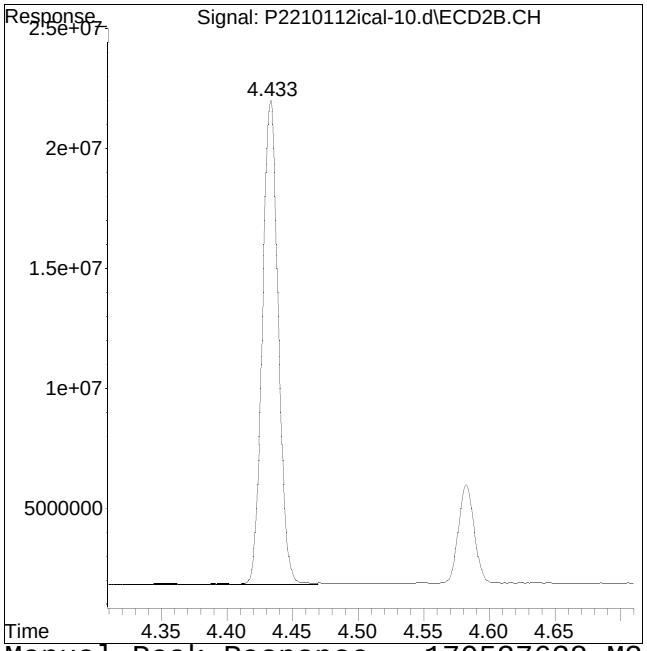
Original Peak Response = 0 Manual Peak Response = 27890505 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-10.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:01 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 1/12/2021 5:03 pm

Compound #84: 1268-5 #2





Original Peak Response = 34394607 Manual Peak Response = 170537638 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:09 pm
Operator : pest2:kb
Sample : il43262,42e,,10253 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:05:00 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:04:44 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.177	1.247	204.9E6	53940026	25.000M2	25.000M2
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:09 pm
Operator : pest2:kb
Sample : il43262,42e,,10253 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:05:00 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:04:44 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:09 pm
Operator : pest2:kb
Sample : il43262,42e,,10253 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:05:00 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:04:44 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	1.606	1.831	43284346	12227439	250.000M2	250.000M2
42) l5	1232-2	1.748	2.005	40732038	12085363	250.000M2	250.000M2
43) l5	1232-3	1.938	2.209	81447166	22215755	250.000M2	250.000M2
44) l5	1232-4	1.994	2.270	31126971	8936778	250.000M2	250.000M2
45) l5	1232-5	2.348	2.660	25062880	7196712	250.000M2	250.000M2
Sum	1232-1			221.7E6	62662048	1250.000	1250.000
Average	1232-1					250.000	250.000
46) l8	1262-1	2.842	3.201	127.6E6	28029705	250.000M2	250.000M2
47) l8	1262-2	3.036	3.437	206.3E6	37843314	250.000M2	250.000M2
48) l8	1262-3	3.160	3.597	139.6E6	35740938	250.000M2	250.000M2
49) l8	1262-4	3.316	3.727	291.2E6	68364655	250.000M2	250.000M2
50) l8	1262-5	3.792	4.246	95536540	25033218	250.000M2	250.000M2
Sum	1262-1			860.3E6	195.0E6	1250.000	1250.000
Average	1262-1					250.000	250.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			860.3E6	195.0E6	1250.000	1250.000
Average	1262-1					250.000	250.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:09 pm
Operator : pest2:kb
Sample : il43262,42e,,10253 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:05:00 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:04:44 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

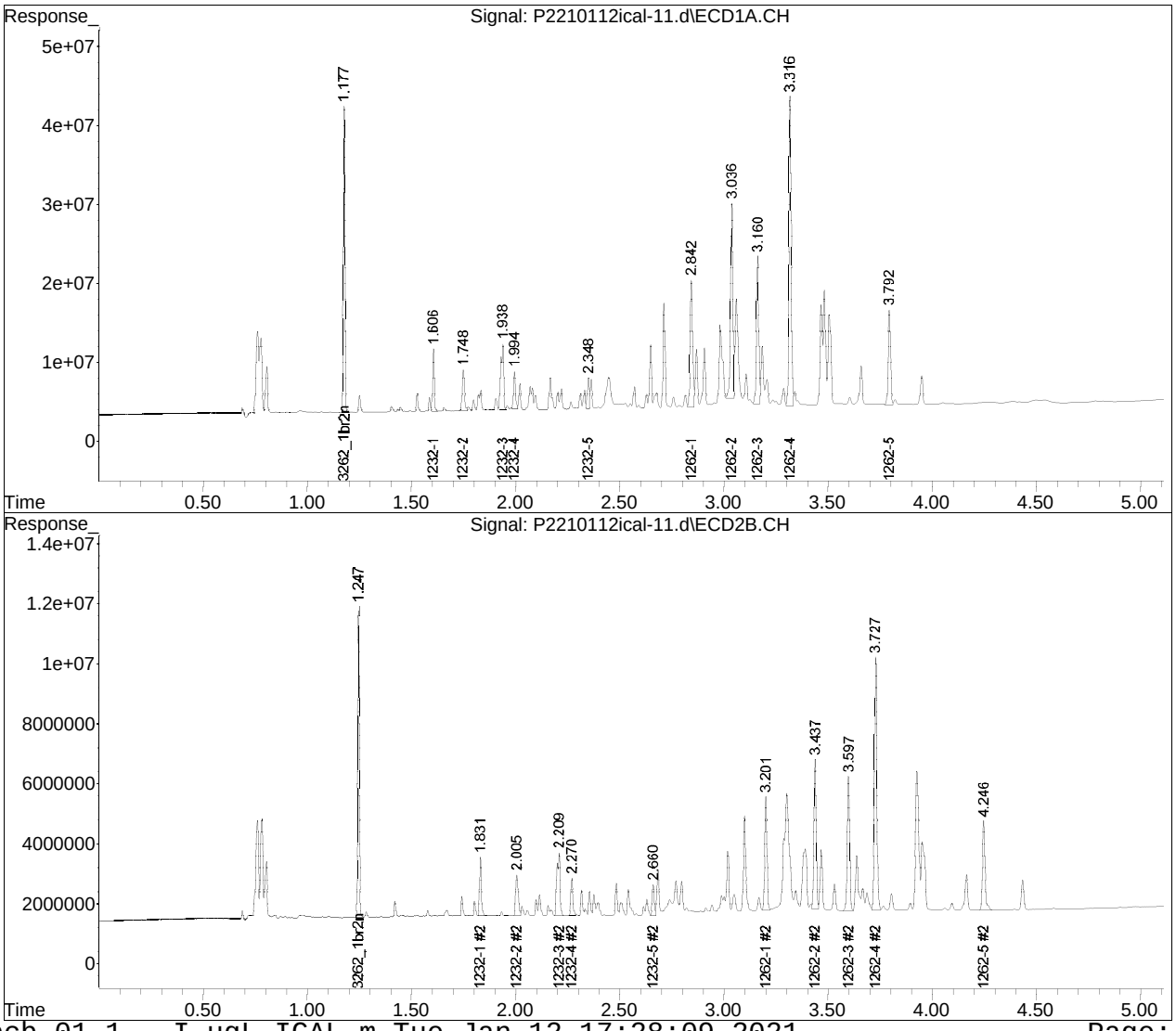
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:09 pm
Operator : pest2:kb
Sample : il43262,42e,,10253 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:05:00 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:04:44 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

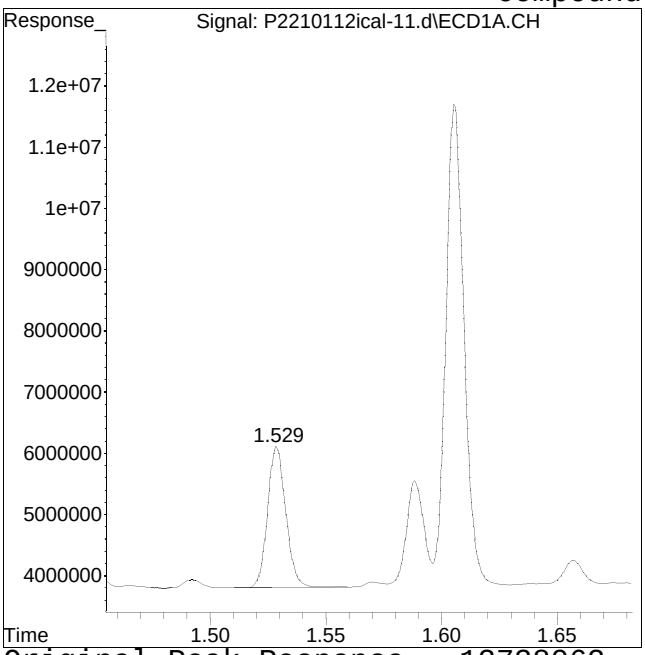
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

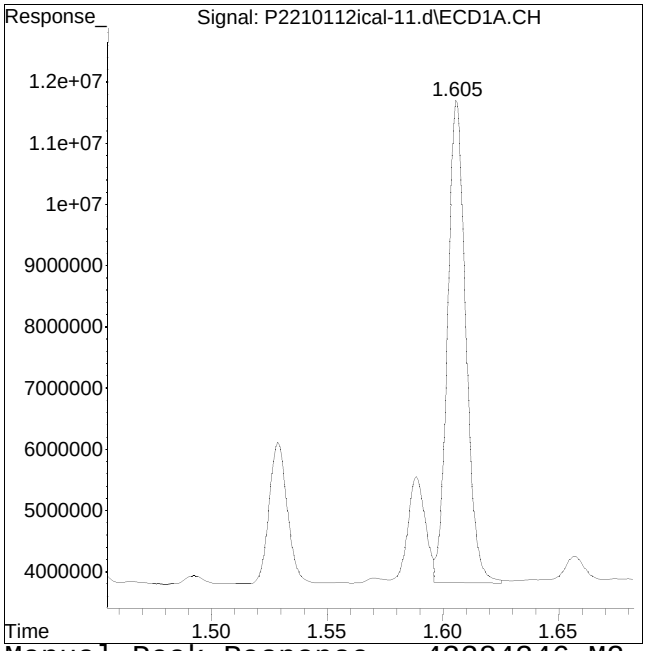


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #41: 1232-1



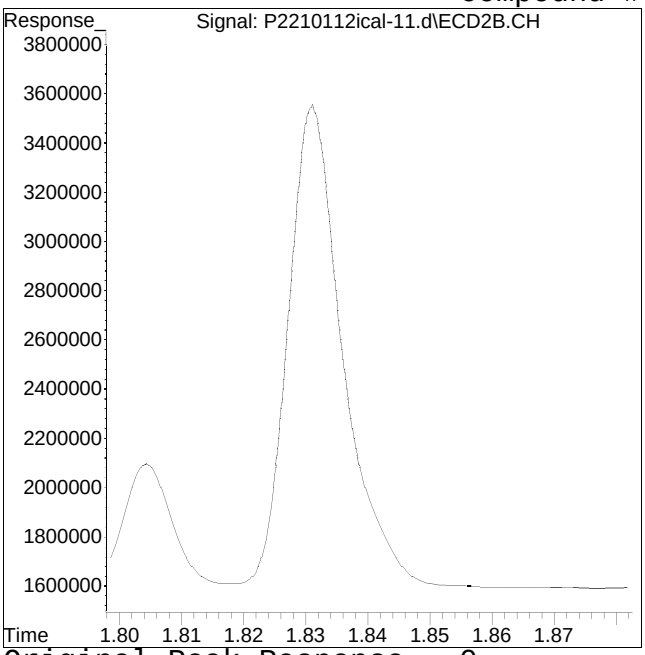


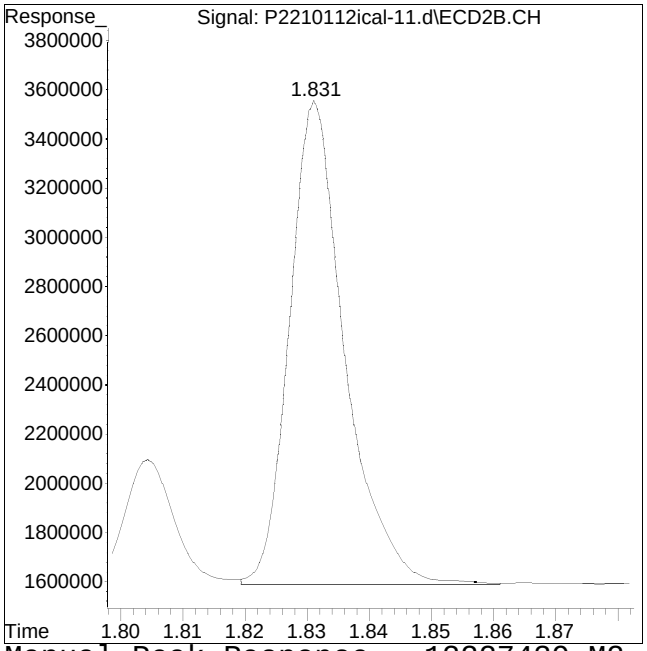
Original Peak Response = 12738062 Manual Peak Response = 43284346 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #92: 1232-1 #2



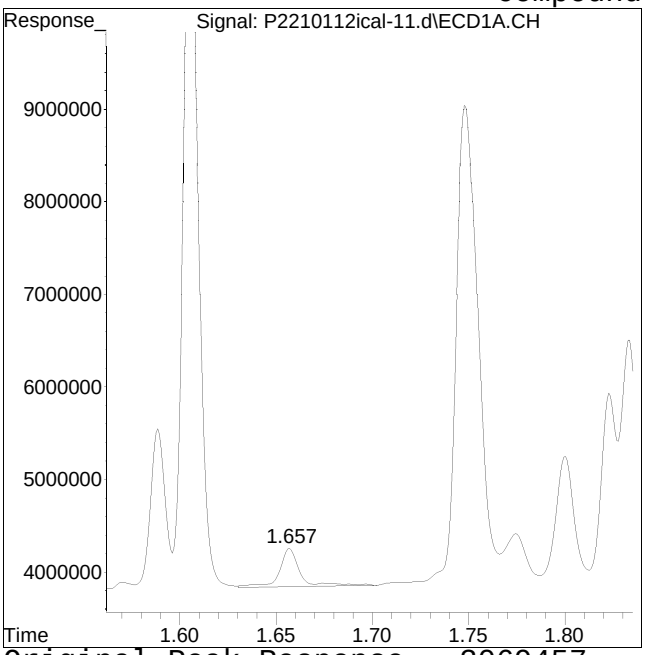


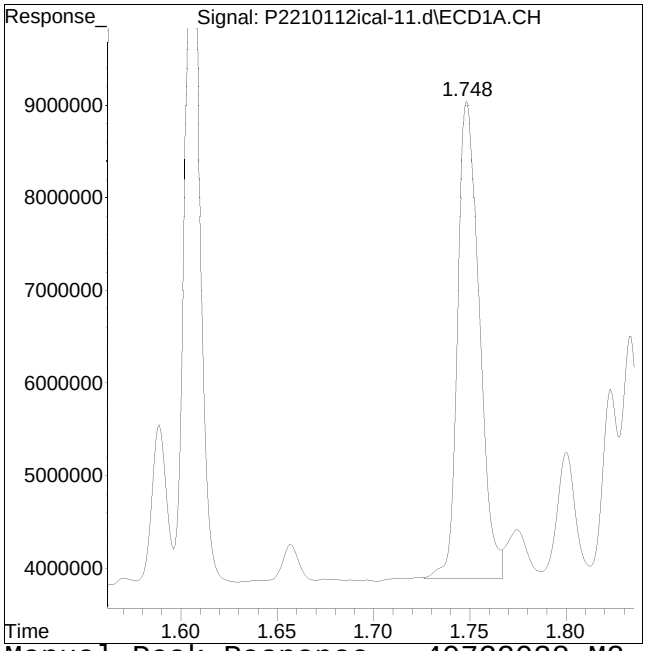
Original Peak Response = 0 Manual Peak Response = 12227439 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #42: 1232-2



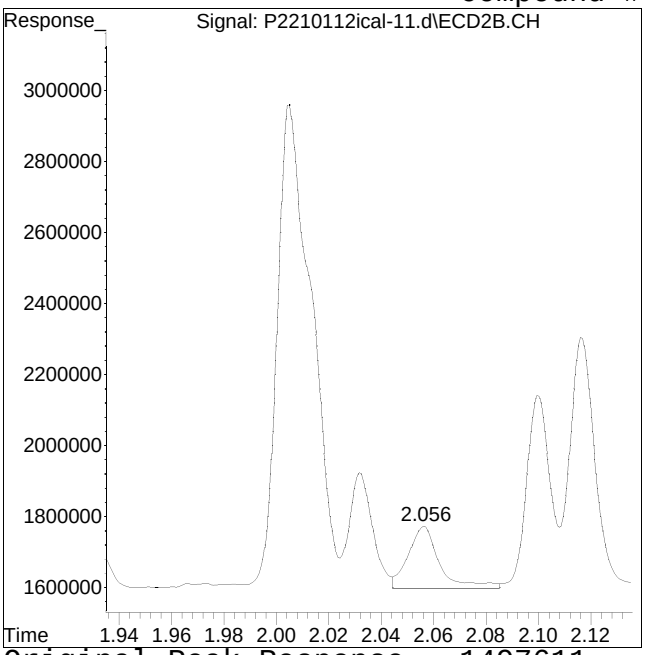


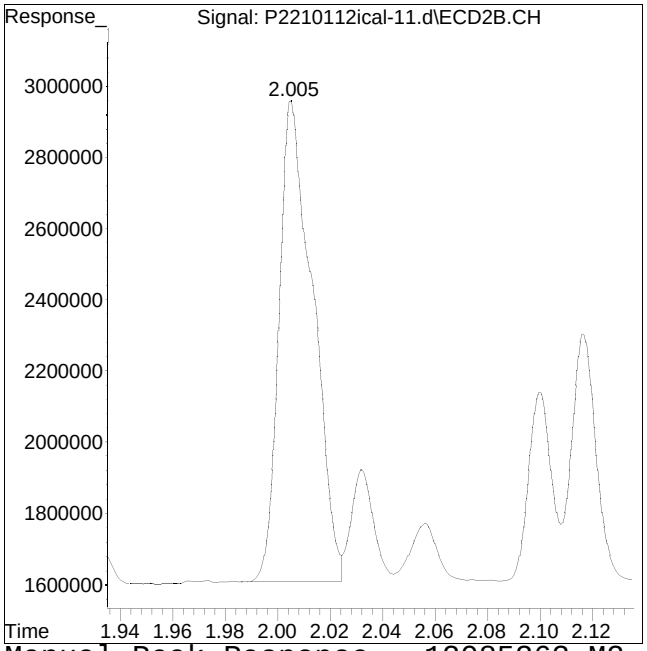
Original Peak Response = 3069457 Manual Peak Response = 40732038 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #93: 1232-2 #2



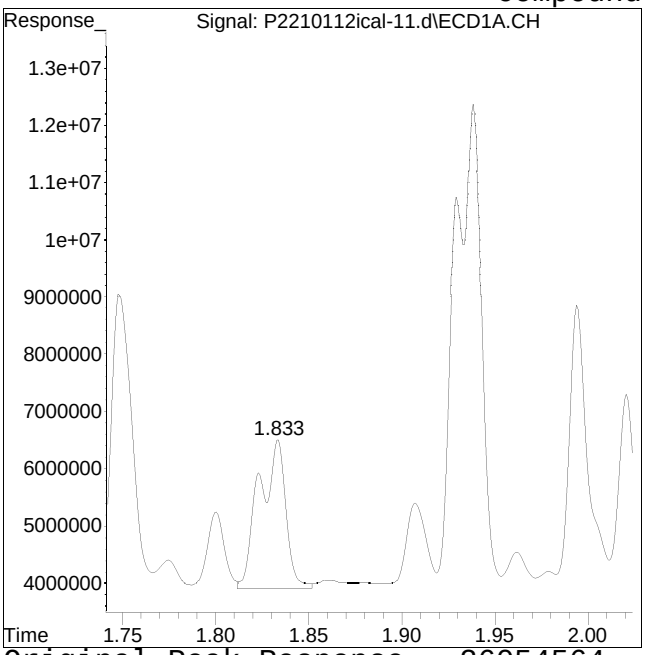


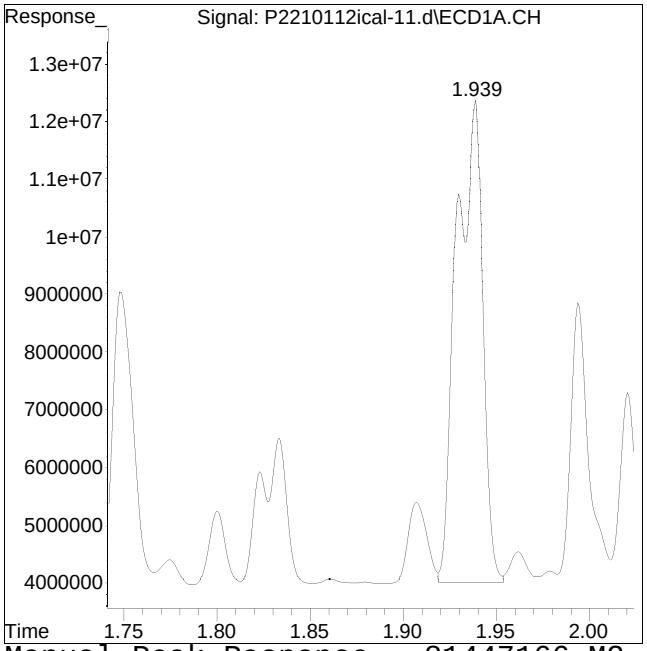
Original Peak Response = 1497611 Manual Peak Response = 12085363 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #43: 1232-3



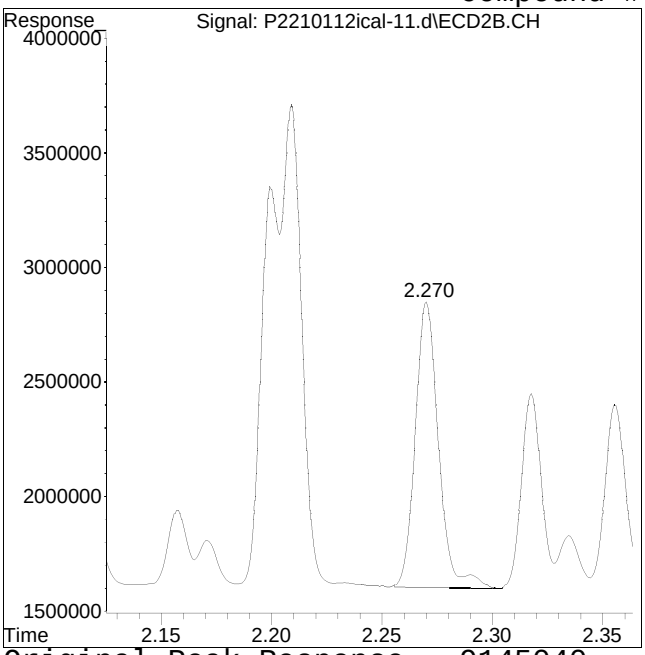


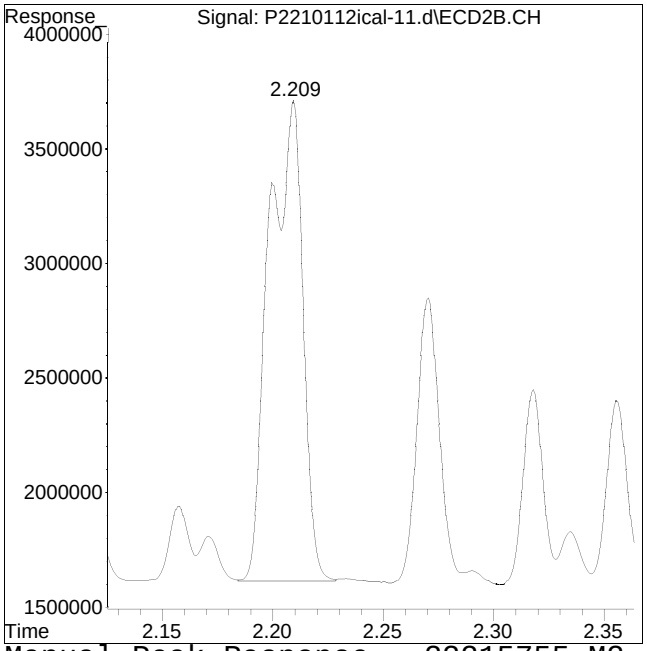
Original Peak Response = 26054564 Manual Peak Response = 81447166 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #94: 1232-3 #2



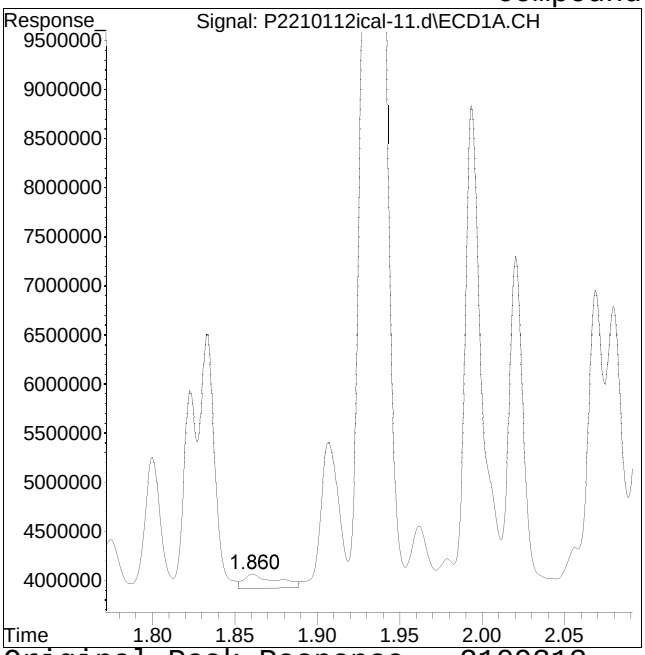


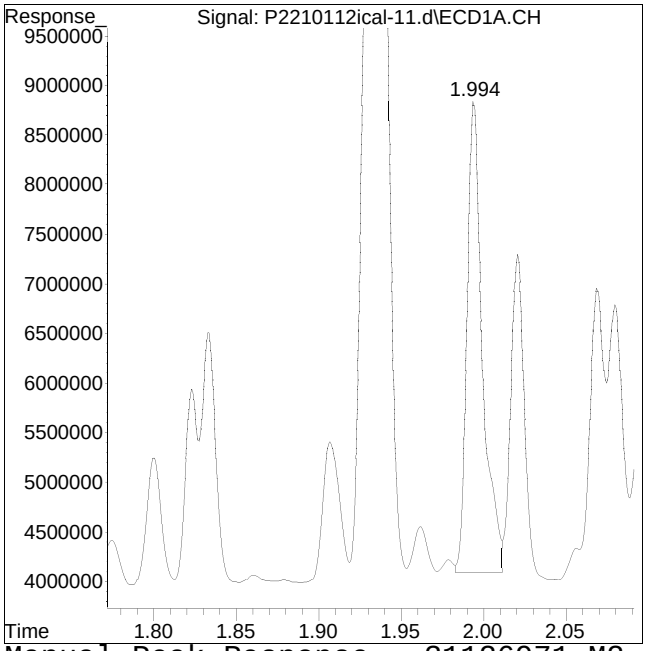
Original Peak Response = 9145040 Manual Peak Response = 22215755 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #44: 1232-4



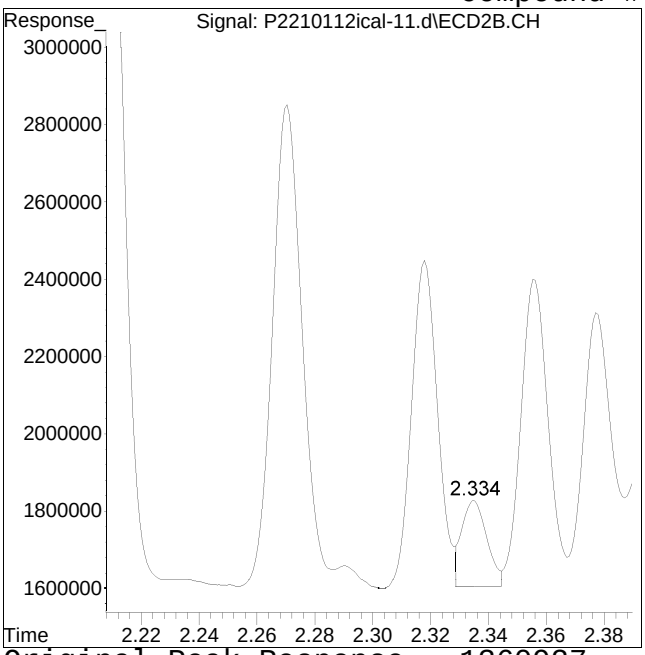


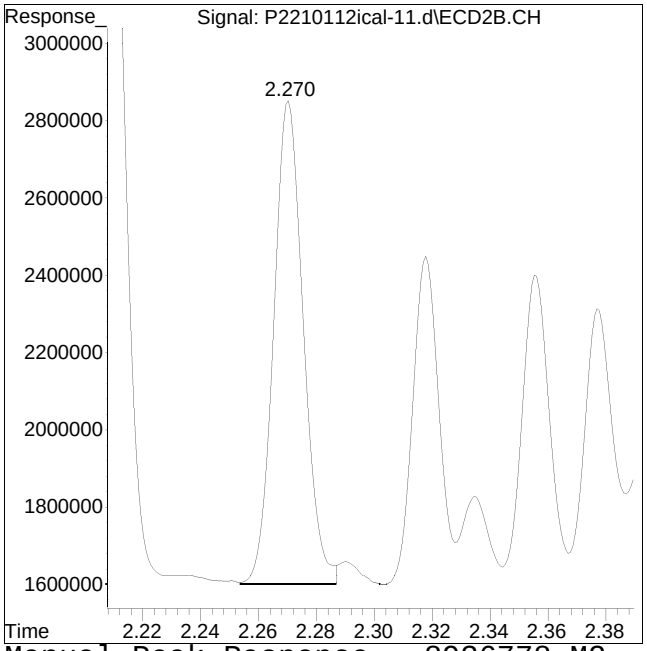
Original Peak Response = 2109313 Manual Peak Response = 31126971 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #95: 1232-4 #2



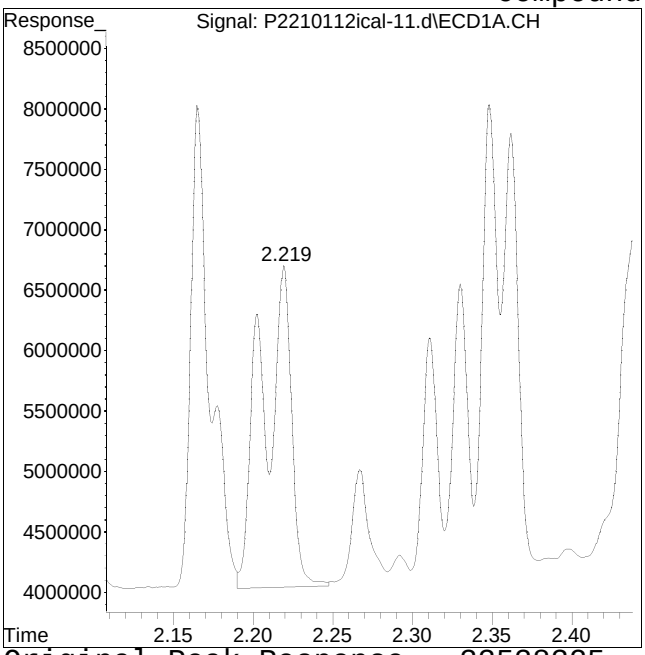


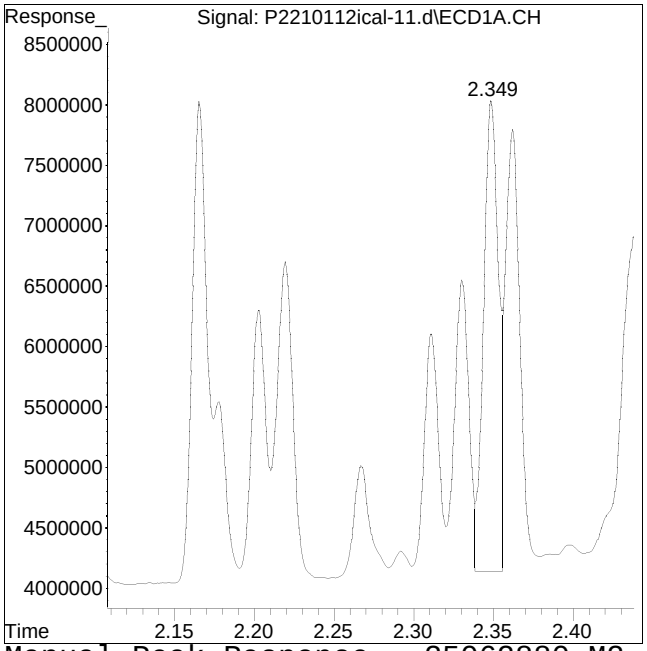
Original Peak Response = 1360927 Manual Peak Response = 8936778 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #45: 1232-5





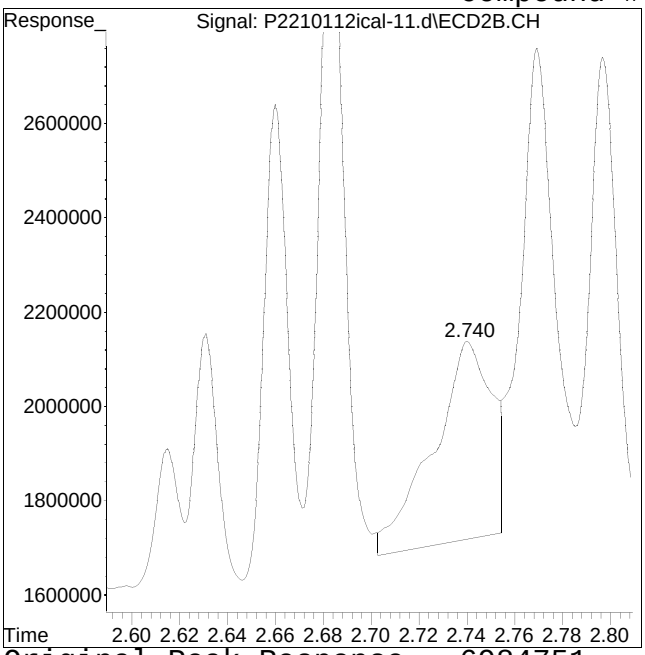
Original Peak Response = 33538325 Manual Peak Response = 25062880 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

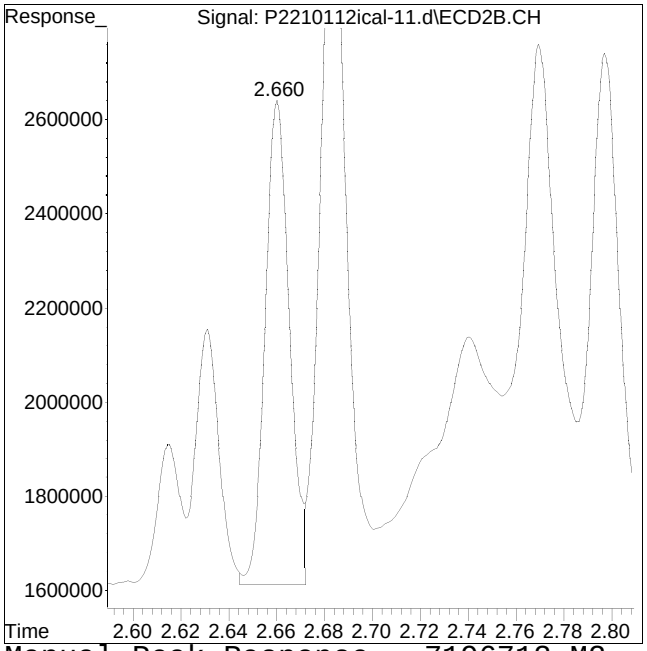
Data Path : I:\PCB\Pest2\2021\210112ICQ
Data File : P2210112ical-11.d
Date Inj'd : 1/12/2021 3:09 pm
Sample : il43262,42e,,10253 lvi

Method : P2_pcb_01_12_21_LVI_ugL_
Operator : pest2:kb
Instrument : PEST 2
Quant Date : 1/12/2021 5:04 pm

Compound #96: 1232-5 #2



Original Peak Response = 6984751



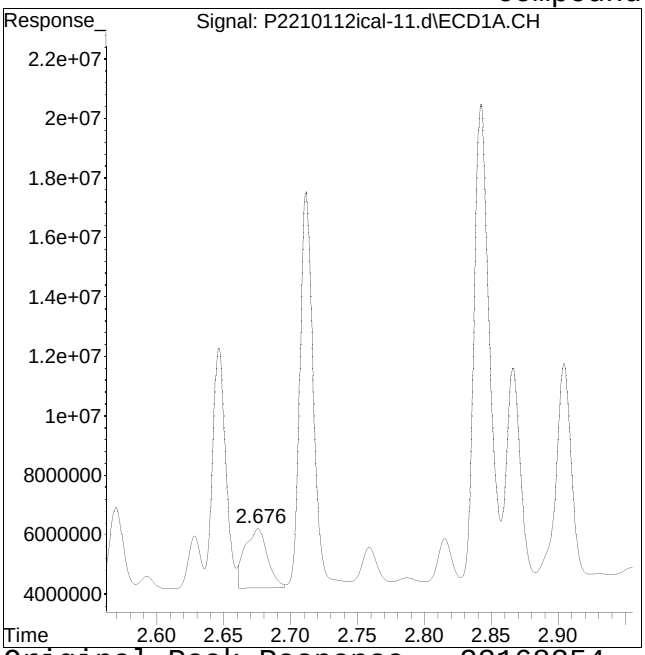
Manual Peak Response = 7196712 M2

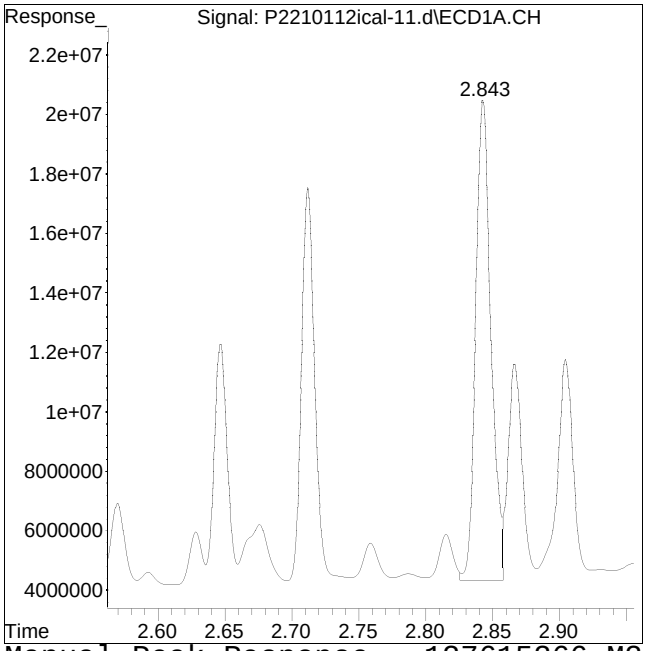
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #46: 1262-1





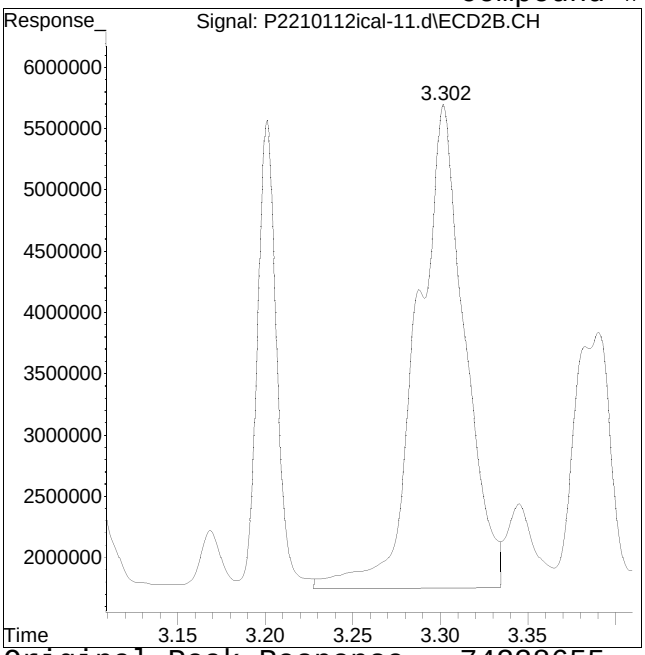
Original Peak Response = 23168254 Manual Peak Response = 127615266 M2
M2 = Peak not found by automatic integration algorithm.

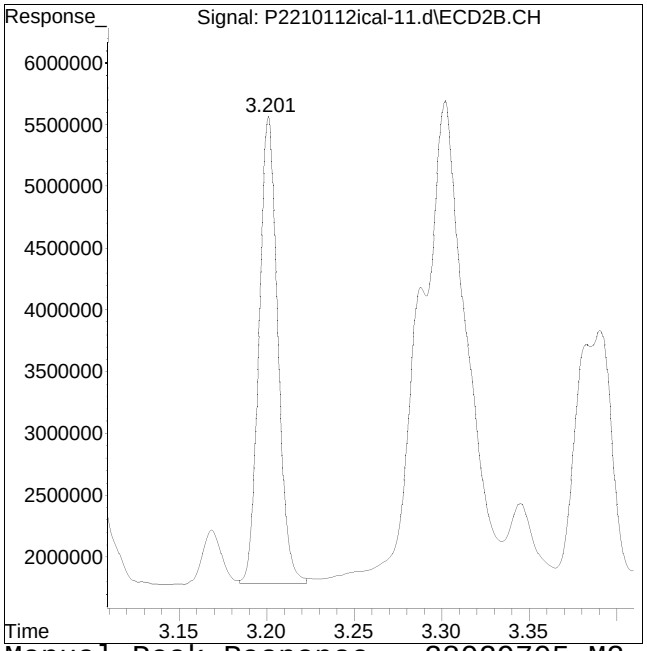
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQ
Data File : P2210112ical-11.d
Date Inj'd : 1/12/2021 3:09 pm
Sample : il43262,42e,,10253 lvi

Method : P2_pcb_01_12_21_LVI_ugL_
Operator : pest2:kb
Instrument : PEST 2
Quant Date : 1/12/2021 5:04 pm

Compound #97: 1262-1 #2



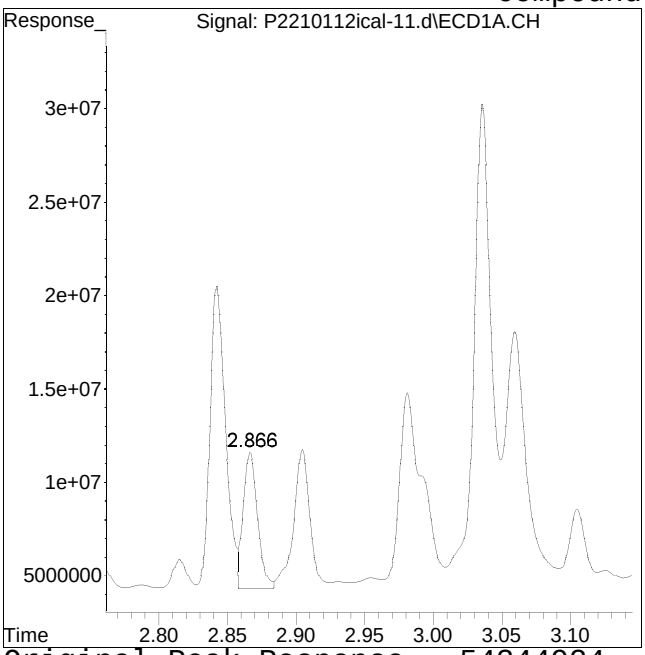


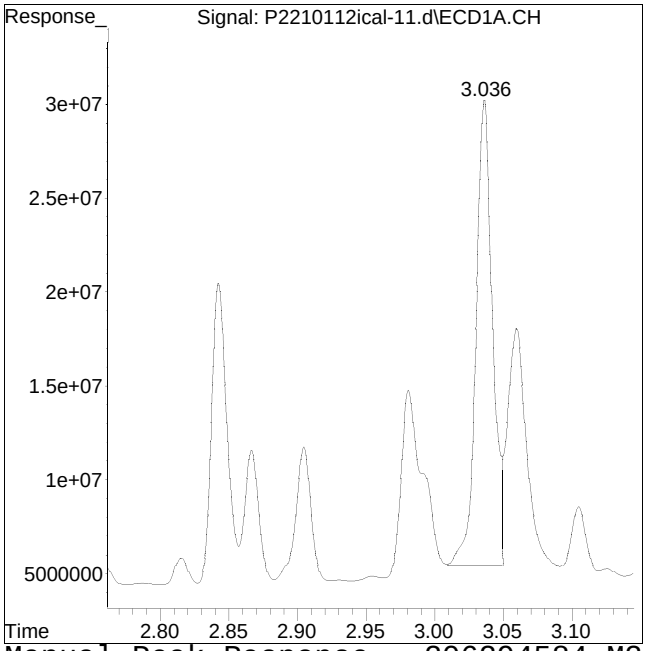
Original Peak Response = 74238655 Manual Peak Response = 28029705 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #47: 1262-2



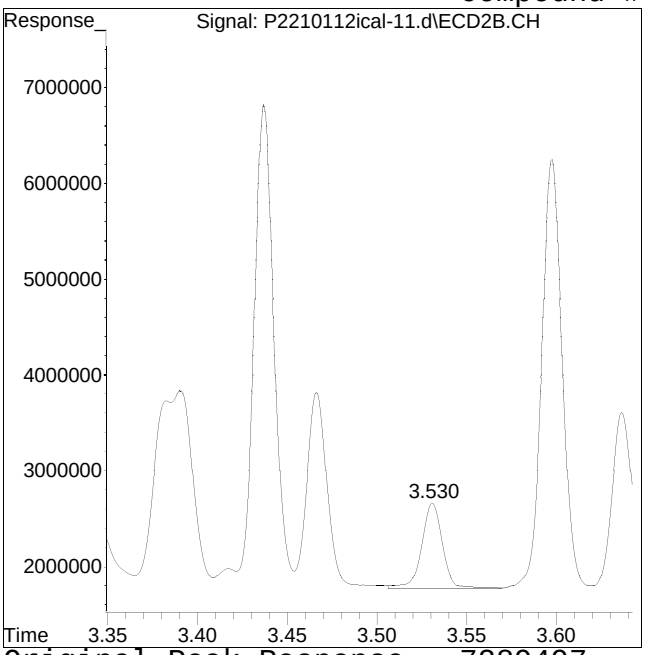


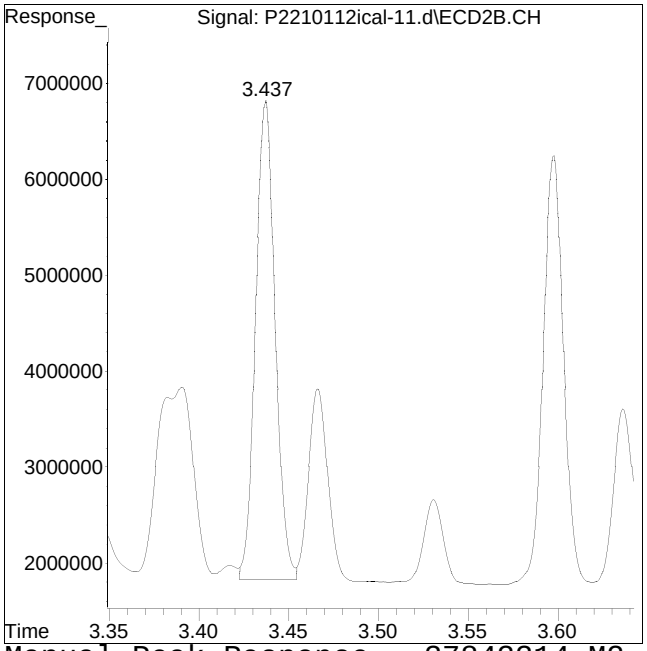
Original Peak Response = 54344924 Manual Peak Response = 206294584 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #98: 1262-2 #2



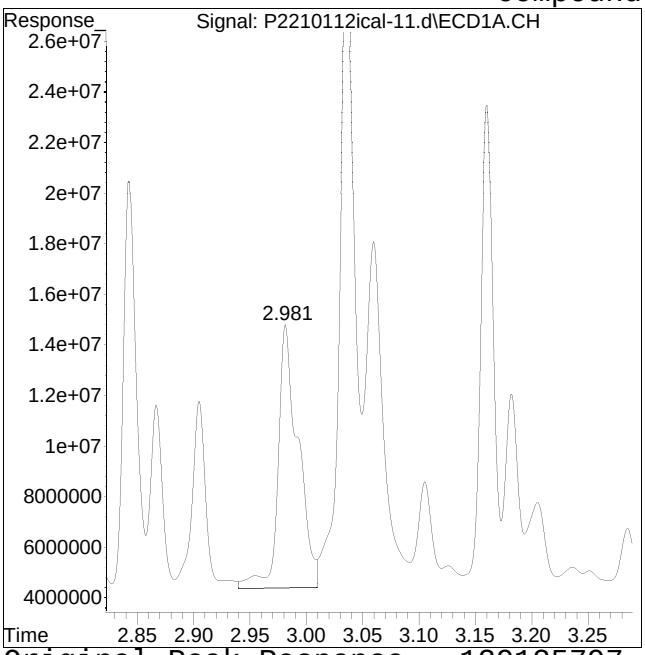


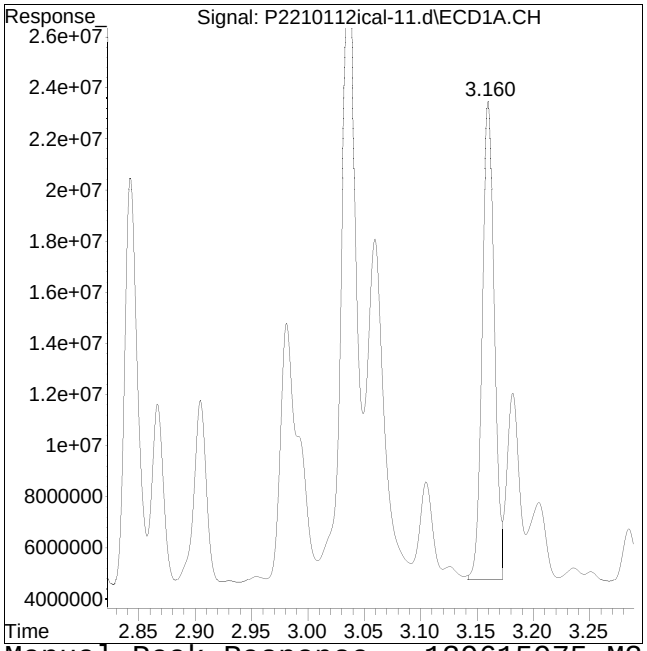
Original Peak Response = 7289497 Manual Peak Response = 37843314 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #48: 1262-3



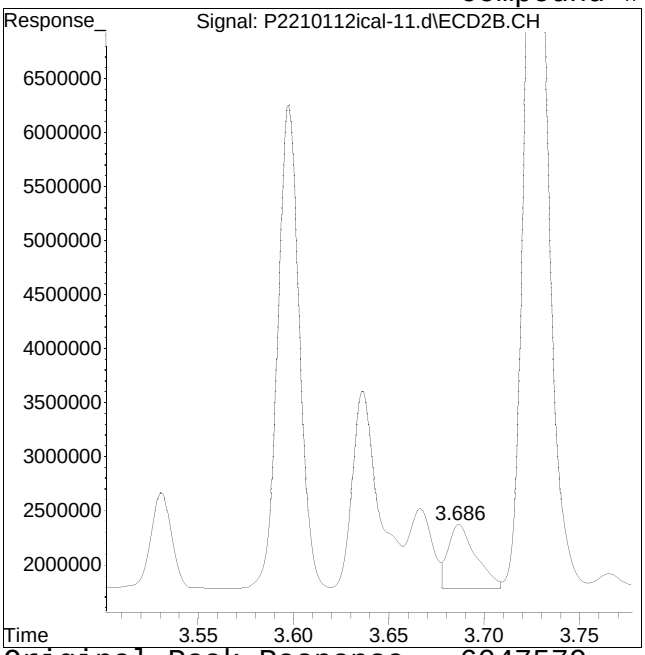


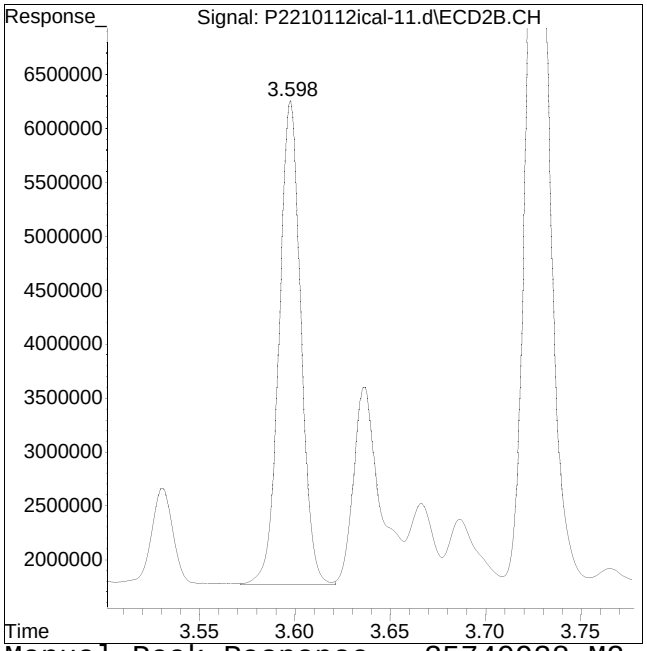
Original Peak Response = 129125797 Manual Peak Response = 139615975 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #99: 1262-3 #2



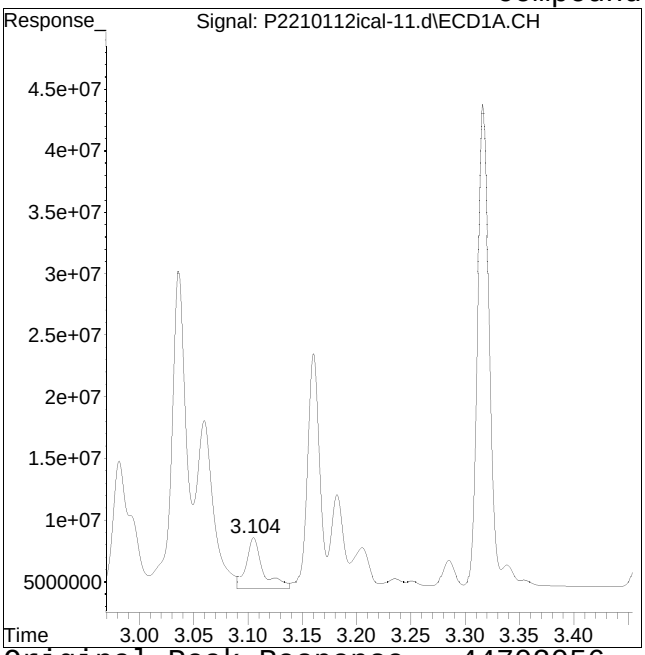


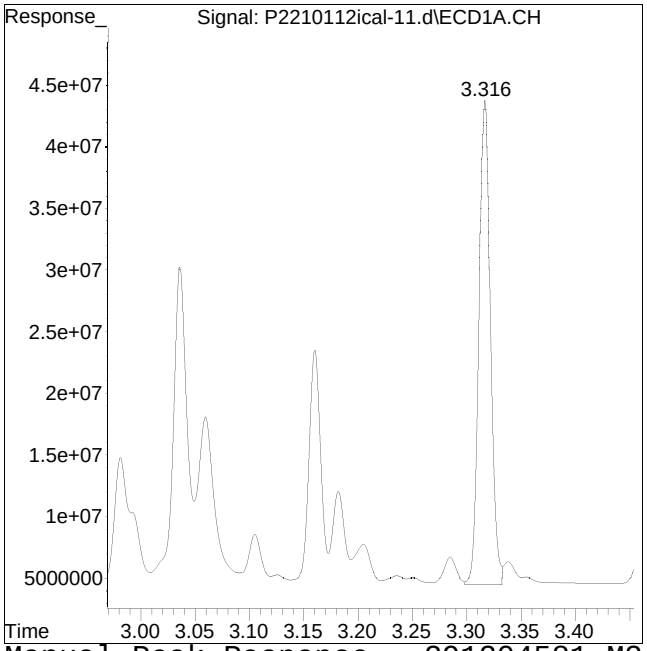
Original Peak Response = 6047579 Manual Peak Response = 35740938 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #49: 1262-4



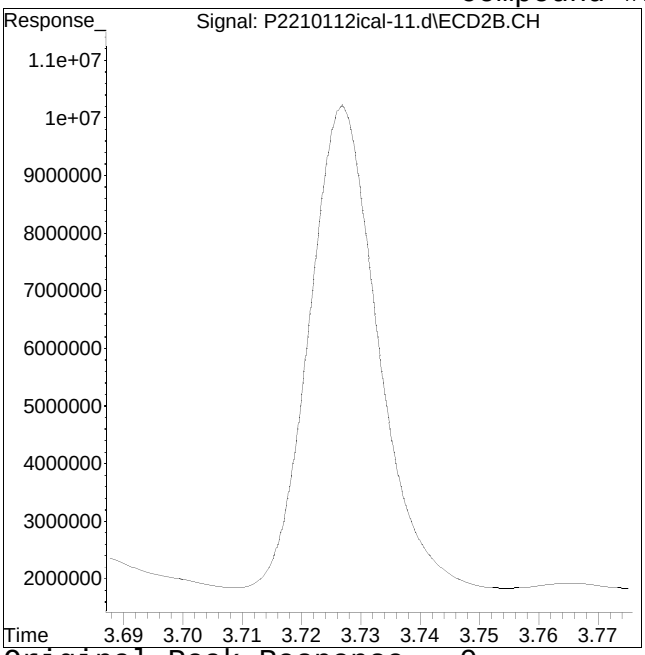


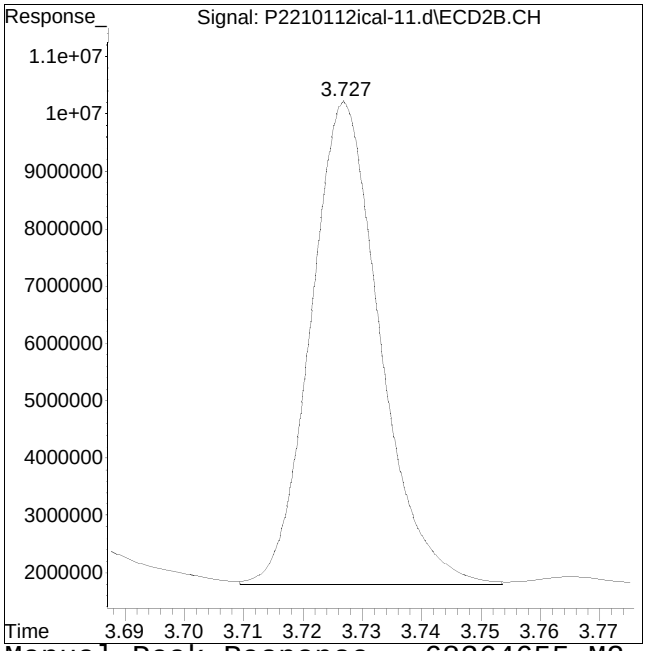
Original Peak Response = 44702056 Manual Peak Response = 291204581 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #100: 1262-4 #2



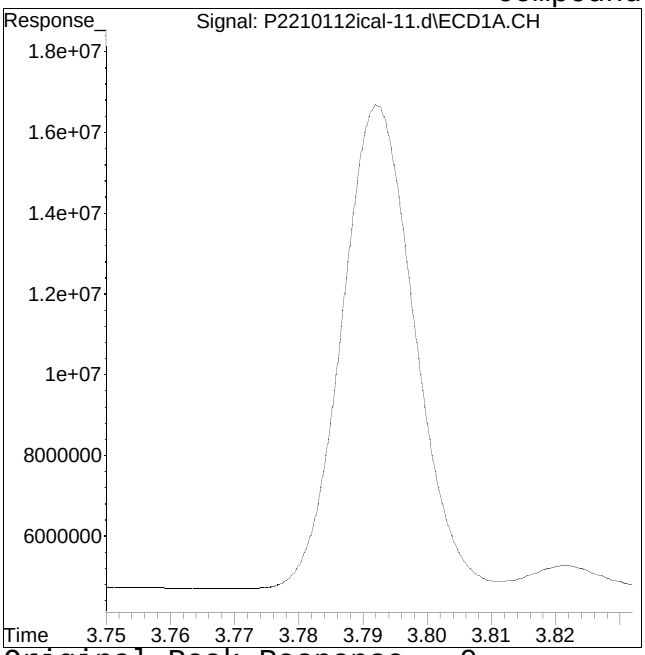


Original Peak Response = 0 Manual Peak Response = 68364655 M2
M2 = Peak not found by automatic integration algorithm.

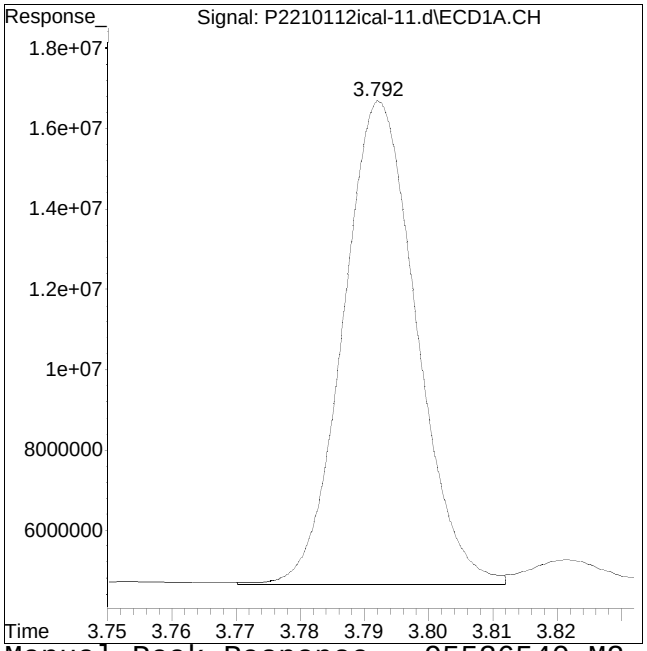
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #50: 1262-5



Original Peak Response = 0



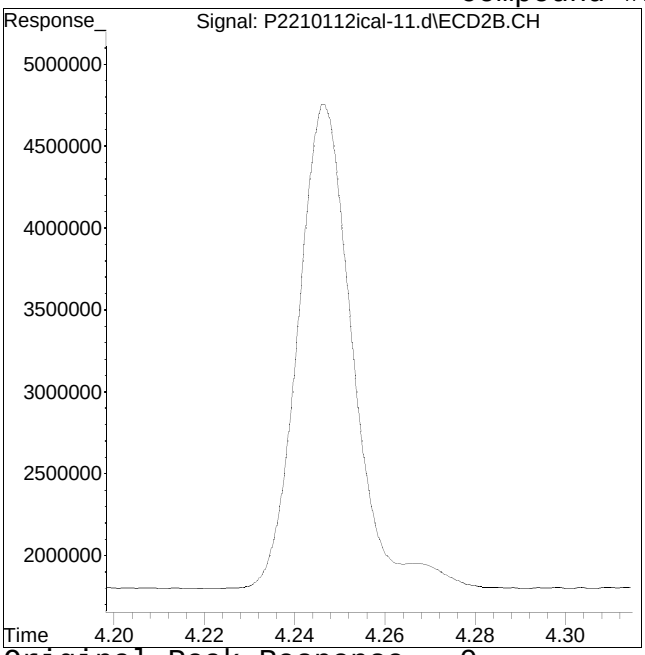
Manual Peak Response = 95536540 M2

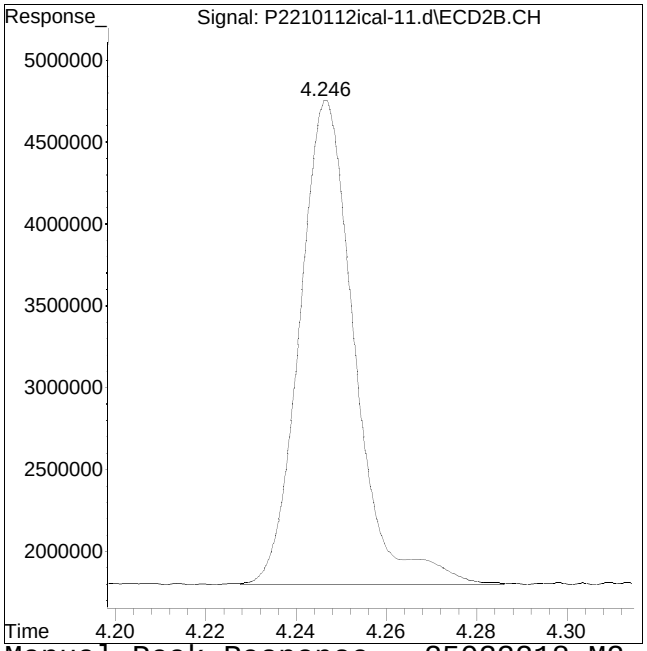
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-11.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:09 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 1/12/2021 5:04 pm

Compound #101: 1262-5 #2





Original Peak Response = 0 Manual Peak Response = 25033218 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:17 pm
Operator : pest2:kb
Sample : il41248,42e,,10254 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:06:26 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:06:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.178	1.248	209.9E6	55500842	25.000M4	25.000M2
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:17 pm
Operator : pest2:kb
Sample : il41248,42e,,10254 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:06:26 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:06:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.929	2.200	97305448	26410410	250.000M1	250.000M1
36) l7	1248-2	2.068	2.356	116.6E6	16544731	250.000M1	250.000M1
37) l7	1248-3	2.165	2.484	102.2E6	21501192	250.000M4	250.000M1

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:17 pm
Operator : pest2:kb
Sample : il41248,42e,,10254 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:06:26 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:06:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7	1248-4	2.349	2.661	93127626	24078821	250.000	250.000M2
39) l7	1248-5	2.362	2.684	80697696	27874237	250.000	250.000M2
Sum	1248-1			490.0E6	116.4E6	N.D.	N.D. D
Average	1248-1					250.000	250.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

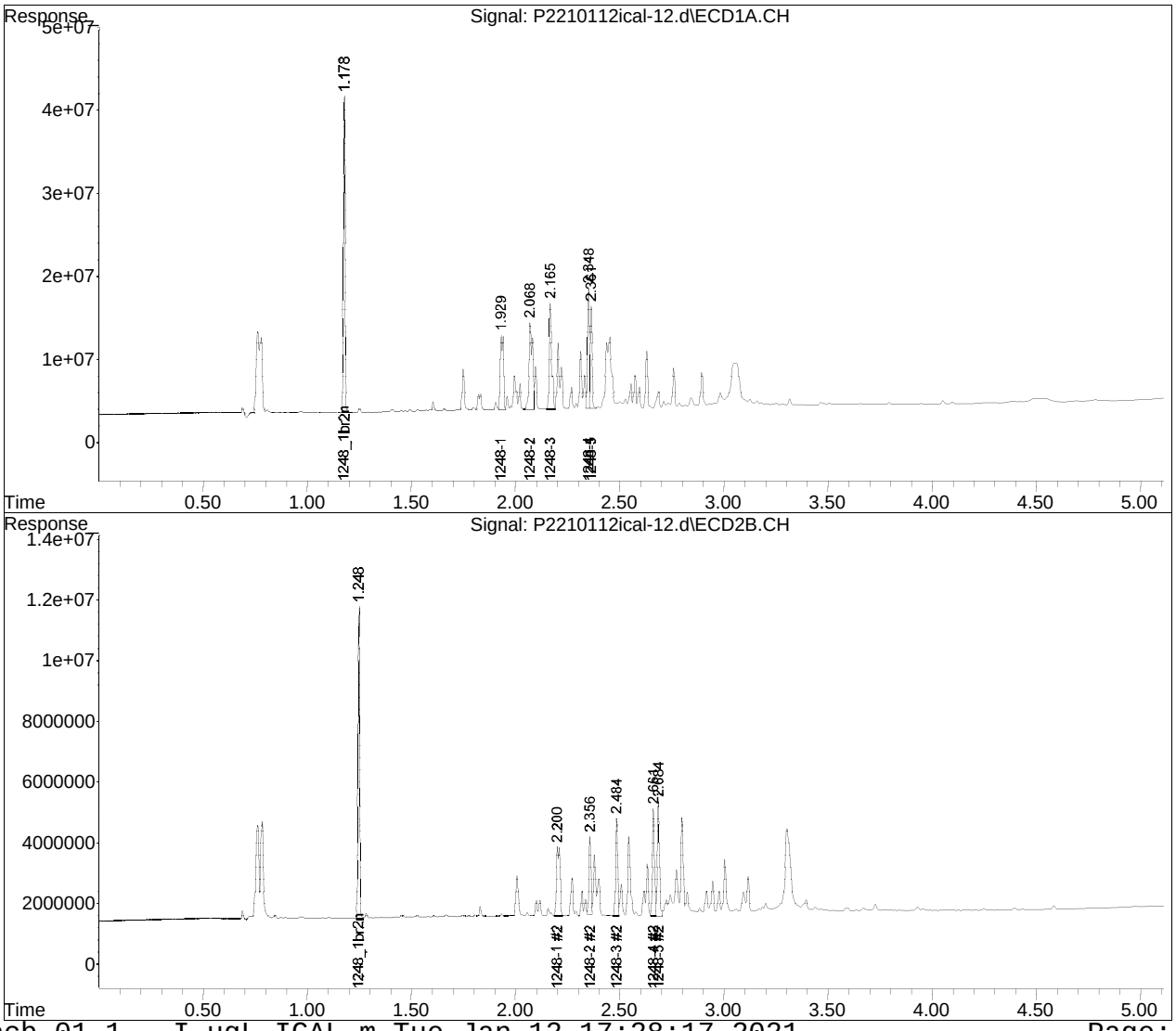
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:17 pm
Operator : pest2:kb
Sample : il41248,42e,,10254 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:06:26 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:06:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

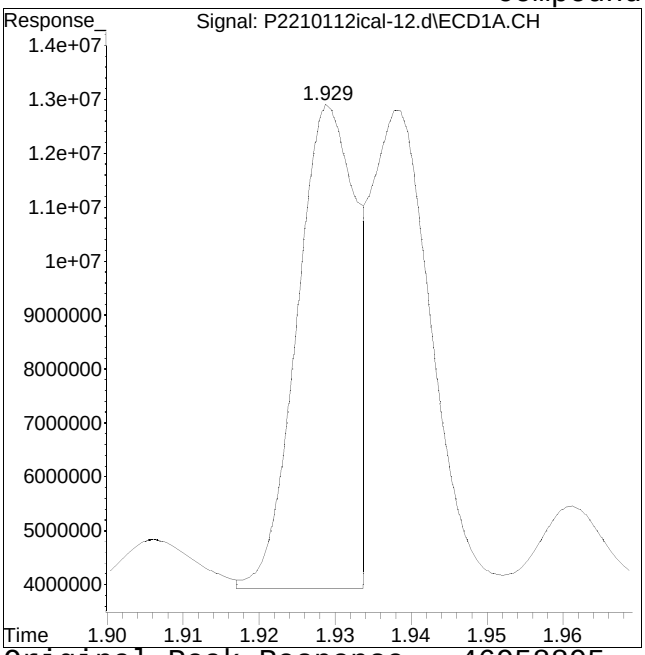
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

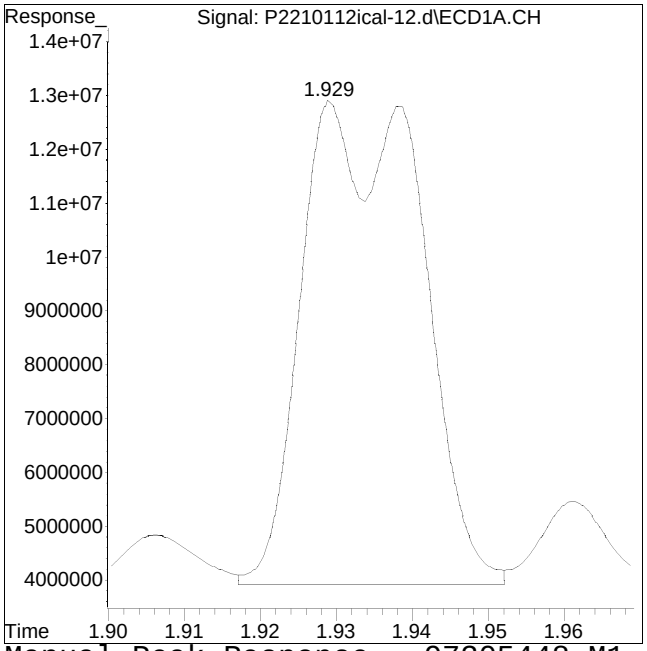


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-12.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:17 pm Instrument : PEST 2
Sample : il41248,42e,,10254 lvi Quant Date : 1/12/2021 5:06 pm

Compound #35: 1248-1



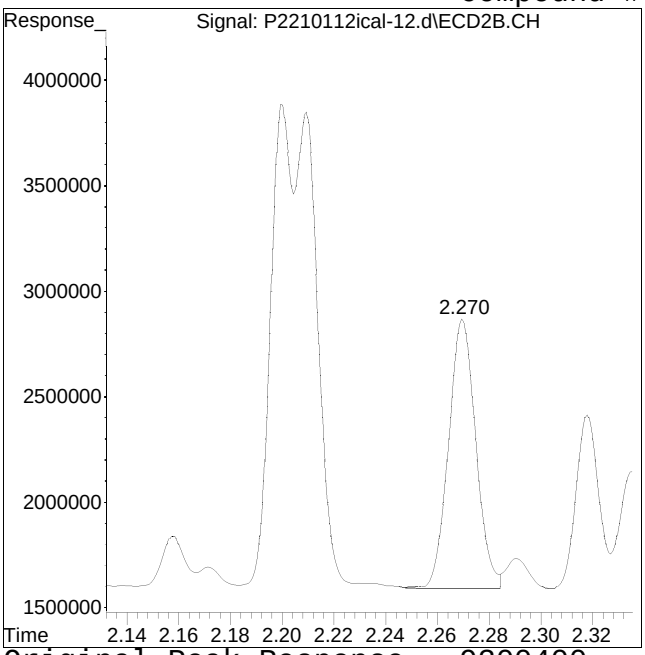


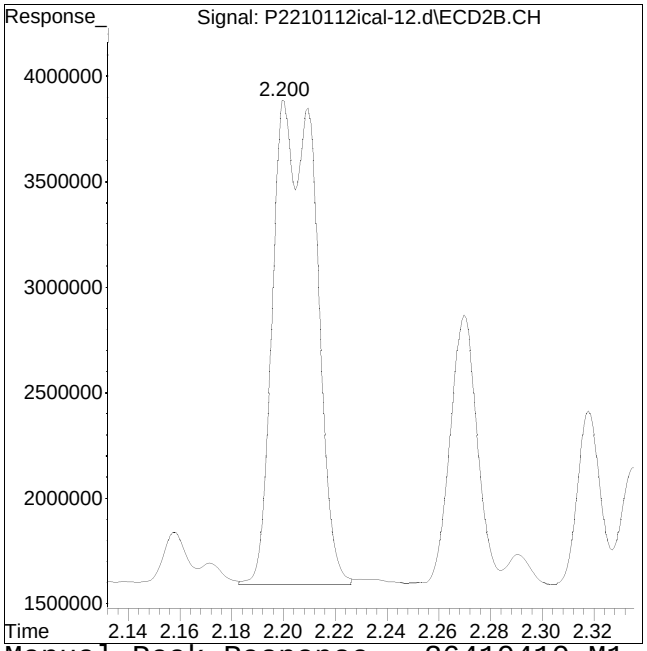
Original Peak Response = 46958895 Manual Peak Response = 97305448 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-12.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:17 pm Instrument : PEST 2
Sample : il41248,42e,,10254 lvi Quant Date : 1/12/2021 5:06 pm

Compound #86: 1248-1 #2



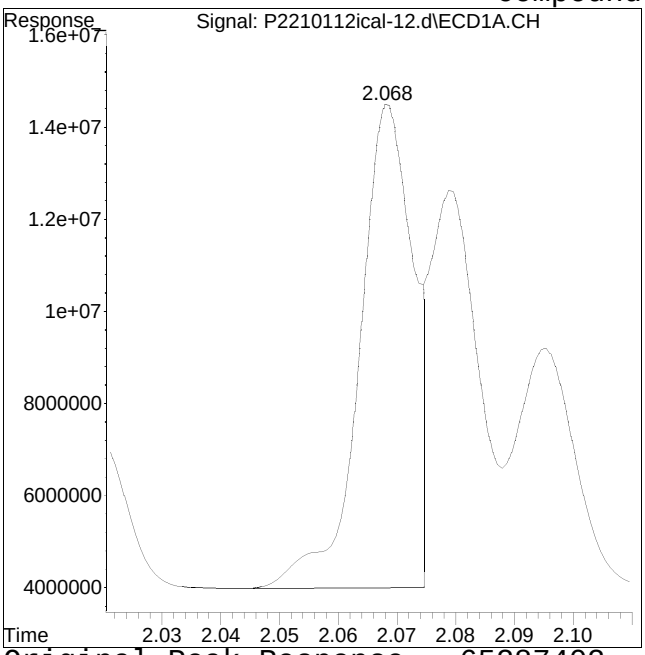


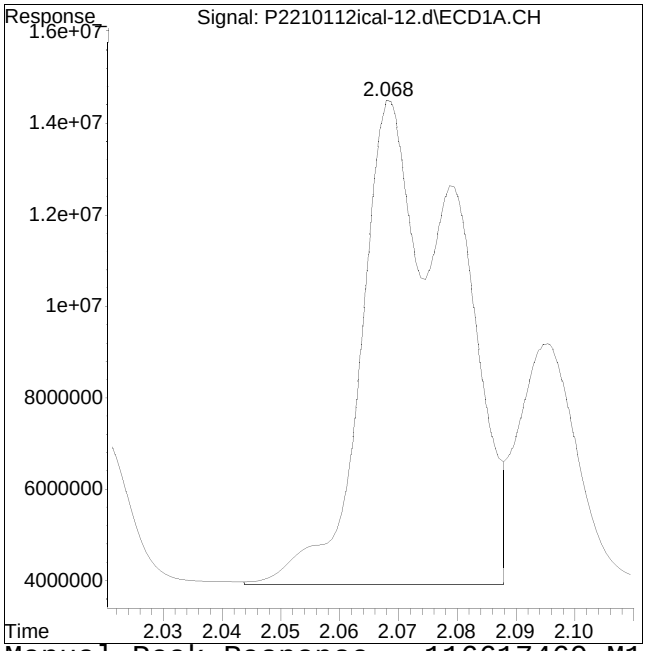
Original Peak Response = 9300400 Manual Peak Response = 26410410 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-12.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:17 pm Instrument : PEST 2
Sample : il41248,42e,,10254 lvi Quant Date : 1/12/2021 5:06 pm

Compound #36: 1248-2





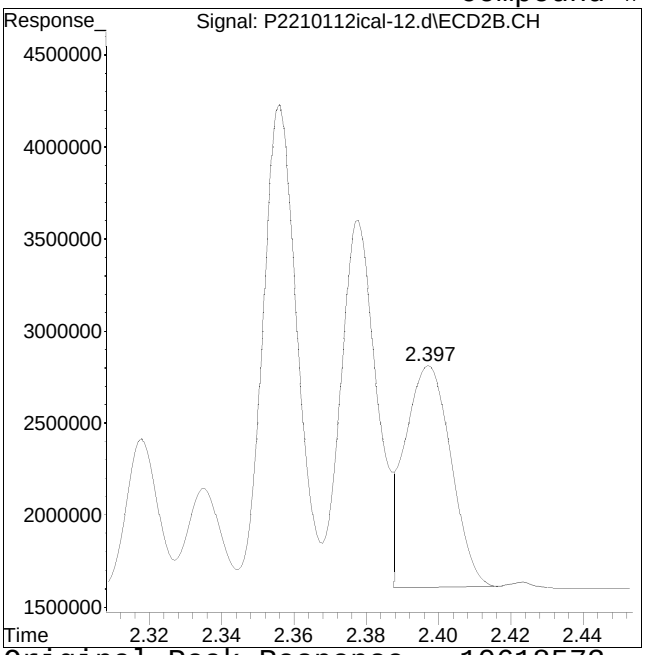
Original Peak Response = 65287402 Manual Peak Response = 116617460 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

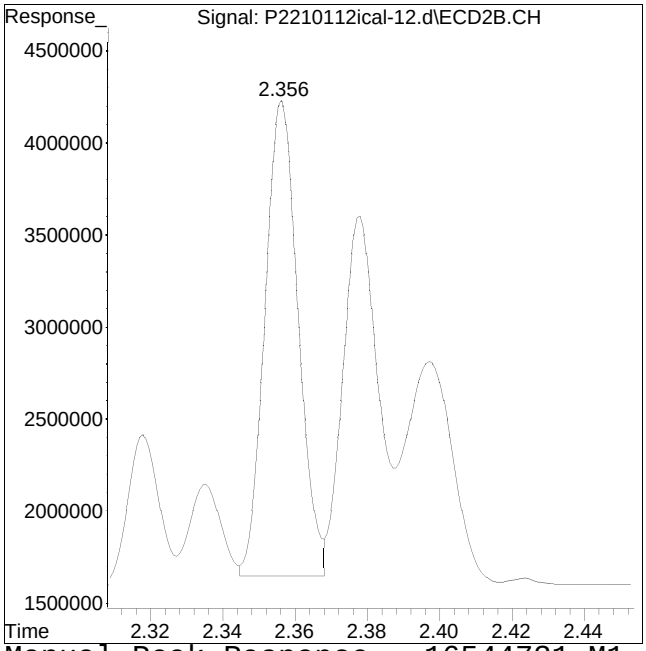
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQ
Data File : P2210112ical-12.d
Date Inj'd : 1/12/2021 3:17 pm
Sample : il41248,42e,,10254 lvi

Method : P2_pcb_01_12_21_LVI_ugL_
Operator : pest2:kb
Instrument : PEST 2
Quant Date : 1/12/2021 5:06 pm

Compound #87: 1248-2 #2





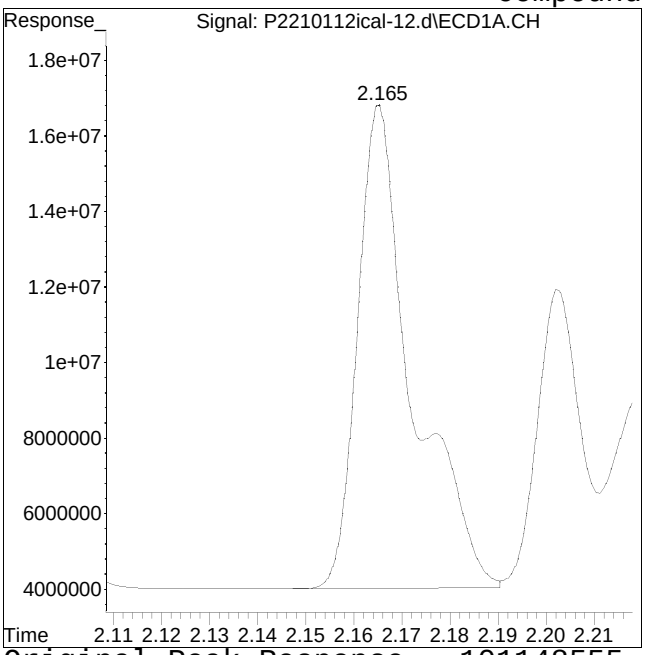
Original Peak Response = 10618573 Manual Peak Response = 16544731 M1

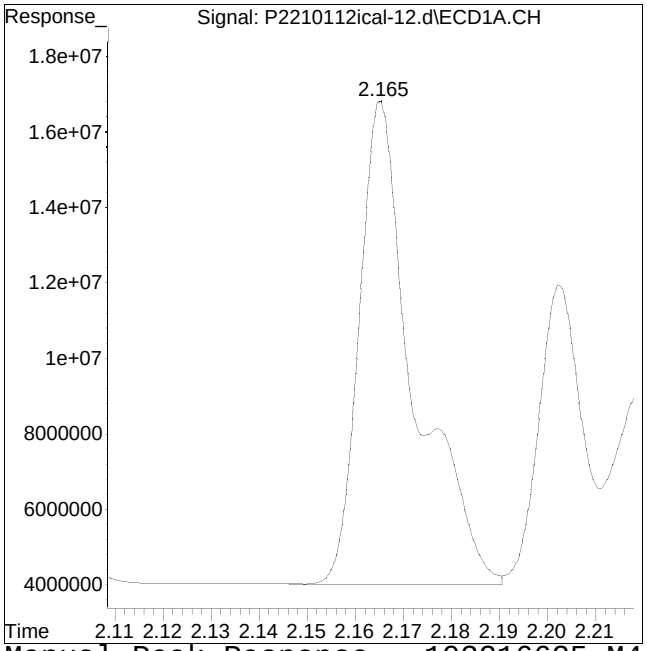
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-12.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:17 pm Instrument : PEST 2
Sample : il41248,42e,,10254 lvi Quant Date : 1/12/2021 5:06 pm

Compound #37: 1248-3



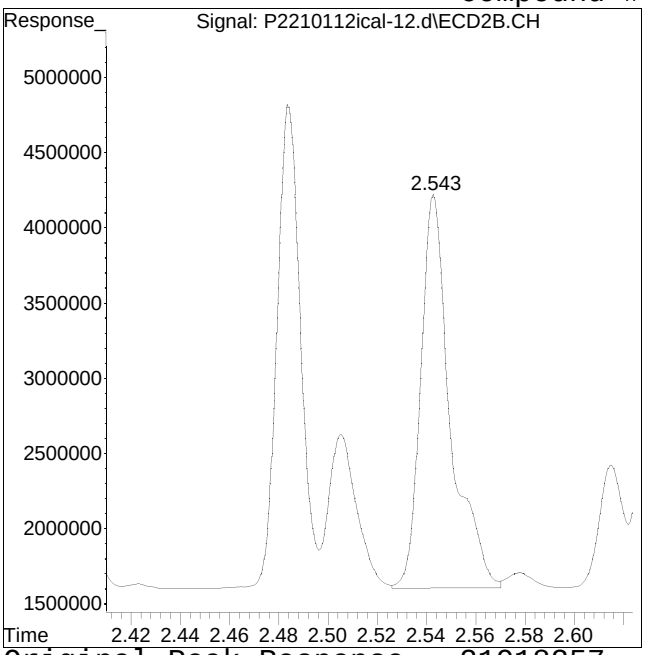


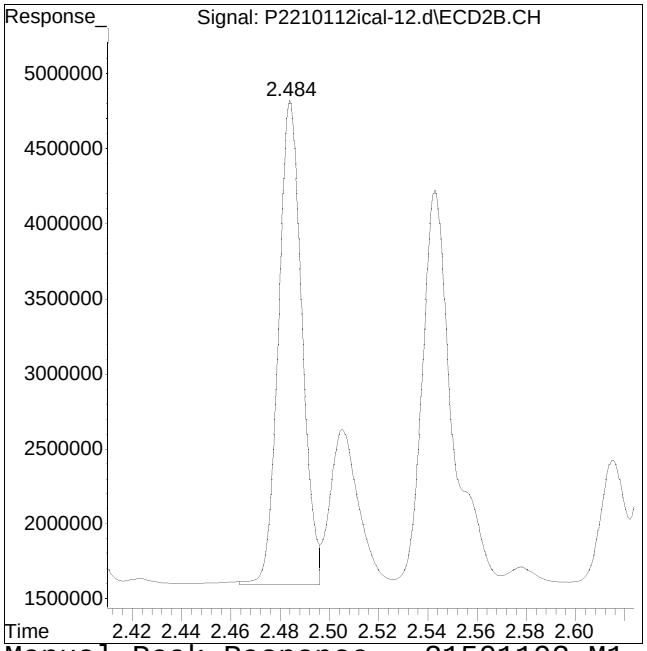
Original Peak Response = 101148555 Manual Peak Response = 102216625 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-12.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:17 pm Instrument : PEST 2
Sample : il41248,42e,,10254 lvi Quant Date : 1/12/2021 5:06 pm

Compound #88: 1248-3 #2



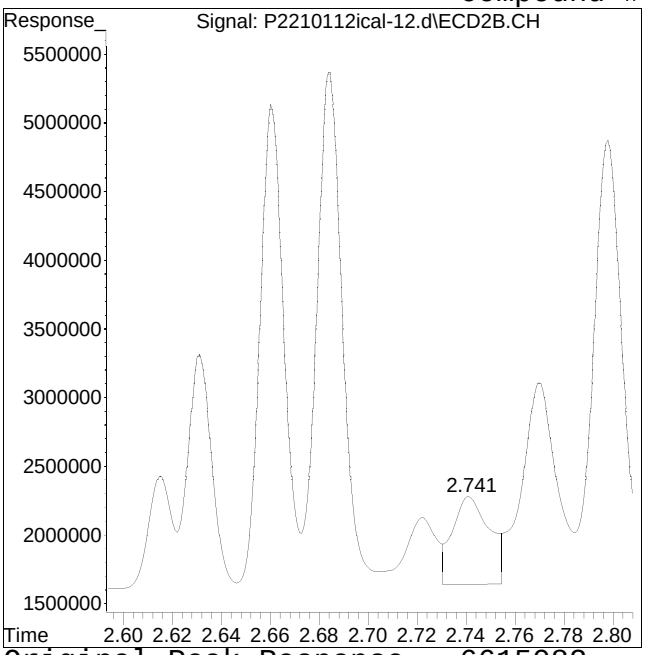


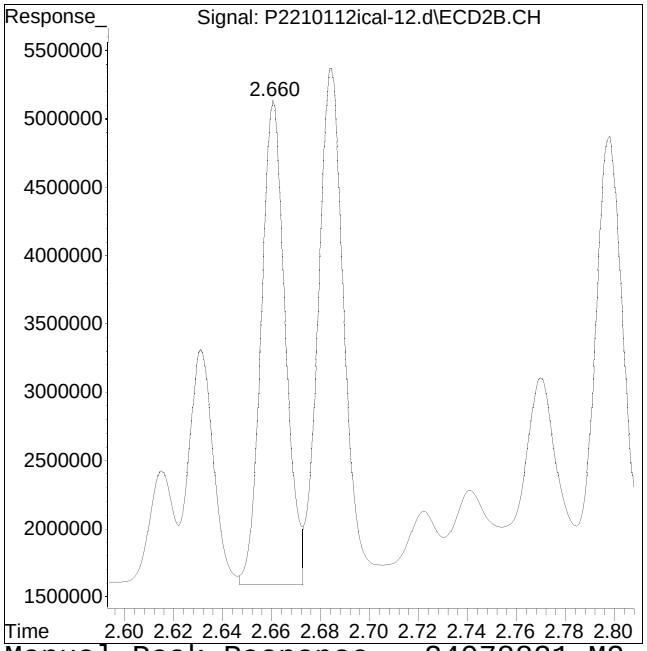
Original Peak Response = 21918257 Manual Peak Response = 21501192 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-12.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:17 pm Instrument : PEST 2
Sample : il41248,42e,,10254 lvi Quant Date : 1/12/2021 5:06 pm

Compound #89: 1248-4 #2



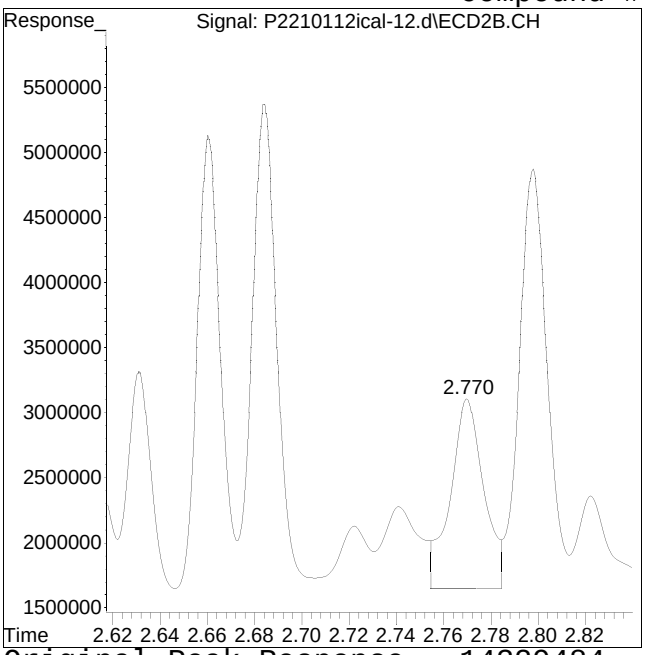


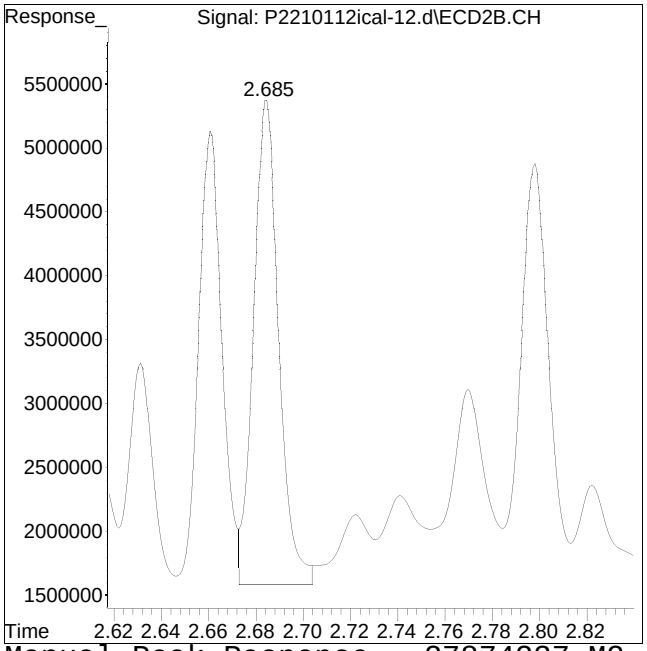
Original Peak Response = 6615082 Manual Peak Response = 24078821 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-12.d Operator : pest2:kb
Date Inj'd : 1/12/2021 3:17 pm Instrument : PEST 2
Sample : il41248,42e,,10254 lvi Quant Date : 1/12/2021 5:06 pm

Compound #90: 1248-5 #2





Original Peak Response = 14329484 Manual Peak Response = 27874237 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:25 pm
Operator : pest2:kb
Sample : il42154,42e,,10251 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:07:38 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:07:24 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.178	1.248	205.1E6	53587726	25.000	25.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 20.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 20.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	1.529	1.745	22418627	6645133	250.000	250.000
16) l3	1221-3	1.589	1.806	13950725	4334097	250.000	250.000
17) l3	1221-4	1.606	1.832	56681847	15986767	250.000	250.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:25 pm
Operator : pest2:kb
Sample : il42154,42e,,10251 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:07:38 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:07:24 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
Sum	1221-2			93051199	26965996	750.000	750.000	
Average	1221-2					250.000	250.000	
18) l4	1254-1	2.331	2.684	76237665	24020363	250.000	250.000	
19) l4	1254-2	2.444	2.771	146.6E6	33114264	250.000	250.000	
20) l4	1254-3	2.629	3.003	139.8E6	42464482	250.000	250.000	
21) l4	1254-4	2.759	3.114	109.9E6	29441636	250.000	250.000	
22) l4	1254-5	2.982	3.393	161.8E6	40747188	250.000	250.000	
Sum	1254-1			634.2E6	169.8E6	N.D.	N.D.	D
Average	1254-1					250.000	250.000	
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d	
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d	
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d	
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d	
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1242-1			0	0	N.D.	N.D.	
Average	1242-1					0.000	0.000	
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d	
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d	
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d	
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d	
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1268-1			0	0	N.D.	N.D.	
Average	1268-1					0.000	0.000	
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1248-1			0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:25 pm
Operator : pest2:kb
Sample : il42154,42e,,10251 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:07:38 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:07:24 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

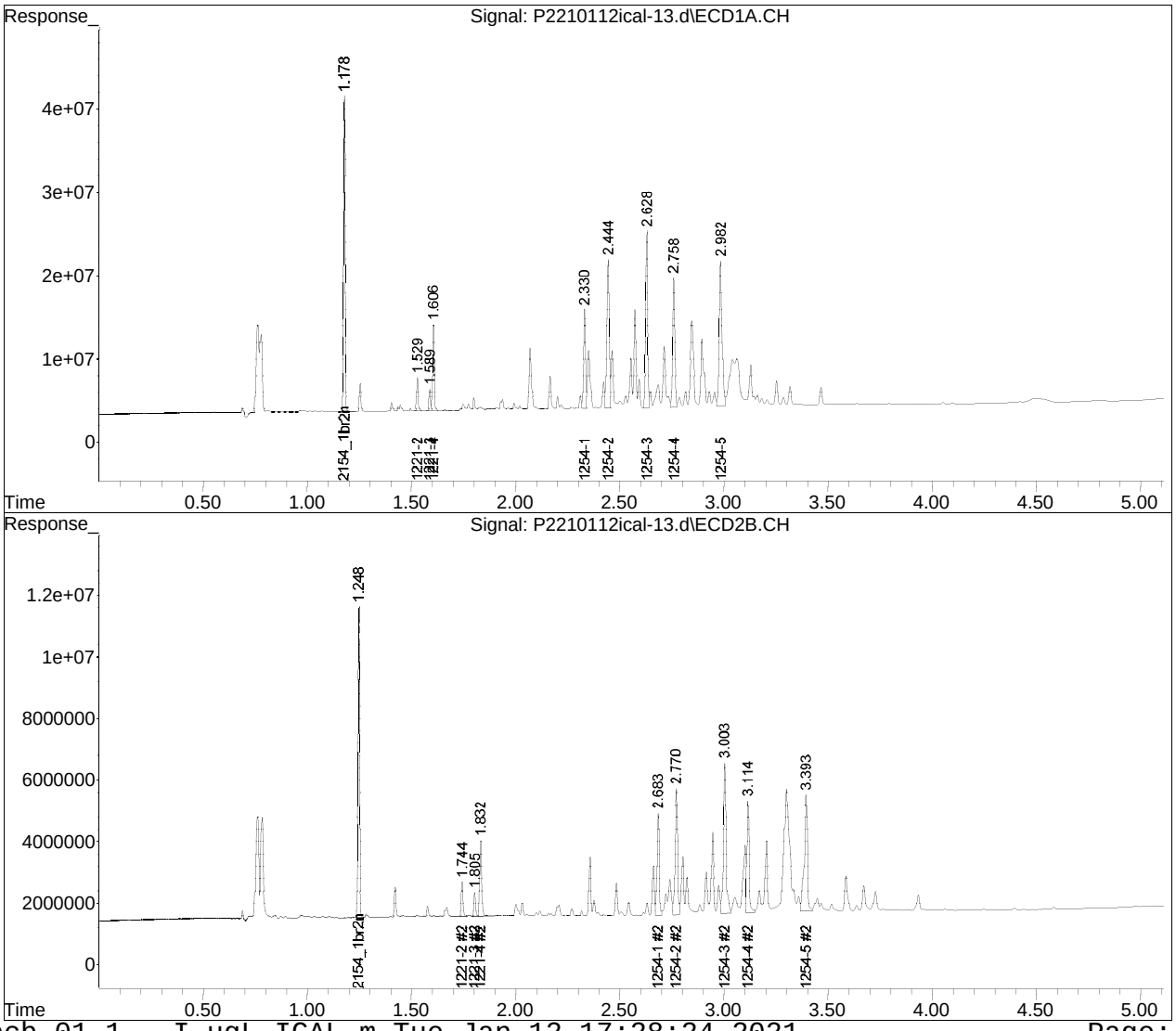
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 3:25 pm
Operator : pest2:kb
Sample : il42154,42e,,10251 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:07:38 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:07:24 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\PCB\Pest2\2021\210112ICQ	Method	: P2_pcb_01_12_21_LVI_ugL_
Data File	: P2210112ical-13.d	Operator	: pest2:kb
Date Inj'd	: 1/12/2021 3:25 pm	Instrument	: PEST 2
Sample	: il42154,42e,,10251 lvi	Quant Date	: 1/12/2021 5:07 pm

There are no manual integrations or false positives in this file.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:15 pm
Operator : pest2:kb
Sample   : cicv1660,42e,,10255 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:09:26 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:09:18 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	25.000	25.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	16.000	15.346	4.1	94	0.00
3	s	Decachlorobiphenyl	32.000	28.519	10.9	90	0.00
4	l1	1016-1	250.000	246.615	1.4	100	0.00
5	l1	1016-2	250.000	253.783	-1.5	103	0.00
6	l1	1016-3	250.000	261.531	-4.6	103	0.00
7	l1	1016-4	250.000	259.850	-3.9	103	0.00
8	l1	1016-5	250.000	250.890	-0.4	102	0.00
9	l2	1260-1	250.000	241.441	3.4	99	0.00
10	l2	1260-2	250.000	248.792	0.5	101	0.00
11	l2	1260-3	250.000	207.791	16.9	84	0.00
12	l2	1260-4	250.000	210.198	15.9	83	0.00
13	l2	1260-5	250.000	215.121	14.0	87	0.00
14	i	2154_1br2nb	25.000	25.000	0.0	100	0.00
23	i	4268_1br2nb	25.000	25.000	0.0	102	0.00
34	i	1248_1br2nb	25.000	25.000	0.0	98	0.00
40	i	3262_1br2nb	25.000	25.000	0.0	100	0.00

Signal #2

1	i	1660_1br2nb	25.000	25.000	0.0	101	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	16.000	14.404	10.0	93	0.00
3	s	Decachlorobiphenyl	32.000	26.572	17.0	91	0.00
4	l1	1016-1	250.000	226.874	9.3	93	0.00
5	l1	1016-2	250.000	247.779	0.9	101	0.00
6	l1	1016-3	250.000	247.633	0.9	103	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:15 pm
Operator : pest2:kb
Sample   : cicv1660,42e,,10255 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:09:26 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:09:18 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
7	l1	1016-4	250.000	233.152	6.7	99	0.00
8	l1	1016-5	250.000	242.673	2.9	101	0.00
9	l2	1260-1	250.000	250.693	-0.3	106	0.00
10	l2	1260-2	250.000	233.733	6.5	98	0.00
11	l2	1260-3	250.000	213.645	14.5	90	0.00
12	l2	1260-4	250.000	206.003	17.6	85	0.00
13	l2	1260-5	250.000	211.972	15.2	89	0.00
14	i	2154_1br2nb	25.000	25.000	0.0	101	0.00
23	i	4268_1br2nb	25.000	25.000	0.0	102	0.00
34	i	1248_1br2nb	25.000	25.000	0.0	98	0.00
40	i	3262_1br2nb	25.000	25.000	0.0	101	0.00

Evaluate Continuing Calibration Report - Not Founds

15	l3	1221-2	250.000	0.000	100.0#	0	-1.53#
16	l3	1221-3	250.000	0.000	100.0#	0	-1.59#
17	l3	1221-4	250.000	0.000	100.0#	0	-1.61#
18	l4	1254-1	250.000	0.000	100.0#	0	-2.33#
19	l4	1254-2	250.000	0.000	100.0#	0	-2.44#
20	l4	1254-3	250.000	0.000	100.0#	0	-2.63#
21	l4	1254-4	250.000	0.000	100.0#	0	-2.76#
22	l4	1254-5	250.000	0.000	100.0#	0	-2.98#
24	l6	1242-1	250.000	0.000	100.0#	0	-1.61#
25	l6	1242-2	250.000	0.000	100.0#	0	-1.75#
26	l6	1242-3	250.000	0.000	100.0#	0	-1.94#
27	l6	1242-4	250.000	0.000	100.0#	0	-1.99#
28	l6	1242-5	250.000	0.000	100.0#	0	-2.35#

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:15 pm
Operator : pest2:kb
Sample   : cicv1660,42e,,10255 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:09:26 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:09:18 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
29	l9	1268-1	250.000	0.000	100.0#	0	-3.48#
30	l9	1268-2	250.000	0.000	100.0#	0	-3.50#
31	l9	1268-3	250.000	0.000	100.0#	0	-3.60#
32	l9	1268-4	250.000	0.000	100.0#	0	-3.79#
33	l9	1268-5	250.000	0.000	100.0#	0	-3.95#
35	l7	1248-1	250.000	0.000	100.0#	0	-1.93#
36	l7	1248-2	250.000	0.000	100.0#	0	-2.07#
37	l7	1248-3	250.000	0.000	100.0#	0	-2.17#
38	l7	1248-4	250.000	0.000	100.0#	0	-2.35#
39	l7	1248-5	250.000	0.000	100.0#	0	-2.36#
41	l5	1232-1	250.000	0.000	100.0#	0	-1.61#
42	l5	1232-2	250.000	0.000	100.0#	0	-1.75#
43	l5	1232-3	250.000	0.000	100.0#	0	-1.94#
44	l5	1232-4	250.000	0.000	100.0#	0	-1.99#
45	l5	1232-5	250.000	0.000	100.0#	0	-2.35#
46	l8	1262-1	250.000	0.000	100.0#	0	-2.84#
47	l8	1262-2	250.000	0.000	100.0#	0	-3.04#
48	l8	1262-3	250.000	0.000	100.0#	0	-3.16#
49	l8	1262-4	250.000	0.000	100.0#	0	-3.32#
50	l8	1262-5	250.000	0.000	100.0#	0	-3.79#

Signal #2

15	l3	1221-2	250.000	0.000	100.0#	0	-1.75#
16	l3	1221-3	250.000	0.000	100.0#	0	-1.81#
17	l3	1221-4	250.000	0.000	100.0#	0	-1.83#
18	l4	1254-1	250.000	0.000	100.0#	0	-2.68#
19	l4	1254-2	250.000	0.000	100.0#	0	-2.77#
20	l4	1254-3	250.000	0.000	100.0#	0	-3.00#
21	l4	1254-4	250.000	0.000	100.0#	0	-3.11#
22	l4	1254-5	250.000	0.000	100.0#	0	-3.39#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:15 pm
Operator : pest2:kb
Sample   : cicv1660,42e,,10255 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:09:26 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:09:18 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
24 l6	1242-1	250.000	0.000	100.0#	0	-1.83#
25 l6	1242-2	250.000	0.000	100.0#	0	-2.00#
26 l6	1242-3	250.000	0.000	100.0#	0	-2.21#
27 l6	1242-4	250.000	0.000	100.0#	0	-2.27#
28 l6	1242-5	250.000	0.000	100.0#	0	-2.66#
29 l9	1268-1	250.000	0.000	100.0#	0	-3.92#
30 l9	1268-2	250.000	0.000	100.0#	0	-3.95#
31 l9	1268-3	250.000	0.000	100.0#	0	-4.09#
32 l9	1268-4	250.000	0.000	100.0#	0	-4.25#
33 l9	1268-5	250.000	0.000	100.0#	0	-4.43#
35 l7	1248-1	250.000	0.000	100.0#	0	-2.20#
36 l7	1248-2	250.000	0.000	100.0#	0	-2.36#
37 l7	1248-3	250.000	0.000	100.0#	0	-2.48#
38 l7	1248-4	250.000	0.000	100.0#	0	-2.66#
39 l7	1248-5	250.000	0.000	100.0#	0	-2.68#
41 l5	1232-1	250.000	0.000	100.0#	0	-1.83#
42 l5	1232-2	250.000	0.000	100.0#	0	-2.00#
43 l5	1232-3	250.000	0.000	100.0#	0	-2.21#
44 l5	1232-4	250.000	0.000	100.0#	0	-2.27#
45 l5	1232-5	250.000	0.000	100.0#	0	-2.66#
46 l8	1262-1	250.000	0.000	100.0#	0	-3.20#
47 l8	1262-2	250.000	0.000	100.0#	0	-3.44#
48 l8	1262-3	250.000	0.000	100.0#	0	-3.60#
49 l8	1262-4	250.000	0.000	100.0#	0	-3.73#
50 l8	1262-5	250.000	0.000	100.0#	0	-4.25#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:15 pm
Operator : pest2:kb
Sample : cicv1660,42e,,10255 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:09:26 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:09:18 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.178	1.247	205.4E6	54356835	25.000	25.000
14) i	2154_1br2nb	1.178	1.247	205.4E6	54356835	25.000	25.000
23) i	4268_1br2nb	1.178	1.247	205.4E6	54356835	25.000	25.000
34) i	1248_1br2nb	1.178	1.247	205.4E6	54356835	25.000	25.000
40) i	3262_1br2nb	1.178	1.247	205.4E6	54356835	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.466	1.627	140.5E6	36189417	15.346	14.404
Spiked Amount	20.000	Range 30 - 150		Recovery =		76.73%	72.02%
3) s	Decachlorobi	4.053	4.585	231.6E6	55384565	28.519	26.572
Spiked Amount	20.000	Range 30 - 150		Recovery =		142.59%	132.86%
	Target Compounds						
4) l1	1016-1	1.606	1.832	40867656	10642543	246.615	226.874
5) l1	1016-2	1.749	2.006	96809382	25762795	253.783	247.779
6) l1	1016-3	1.939	2.209	197.4E6	51060619	261.531	247.633
7) l1	1016-4	1.995	2.271	80424241	19735462	259.850	233.152
8) l1	1016-5	2.166	2.485	80532072	16130202	250.890	242.673
Sum	1016-1			496.1E6	123.3E6	1272.669	1198.110
Average	1016-1					254.534	239.622
9) l2	1260-1	2.714	3.100	121.0E6	34076291	241.441	250.693
10) l2	1260-2	2.844	3.202	192.8E6	37852644	248.792	233.733
11) l2	1260-3	3.162	3.598	105.1E6	27750731	207.791	213.645
12) l2	1260-4	3.318	3.728	221.7E6	55155139	210.198	206.003
13) l2	1260-5	3.467	3.932	160.7E6	40068247	215.121	211.972
Sum	1260-1			801.3E6	194.9E6	1123.343	1116.046
Average	1260-1					224.669	223.209
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:15 pm
Operator : pest2:kb
Sample : cicv1660,42e,,10255 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:09:26 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:09:18 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:15 pm
Operator : pest2:kb
Sample : cicv1660,42e,,10255 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:09:26 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:09:18 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

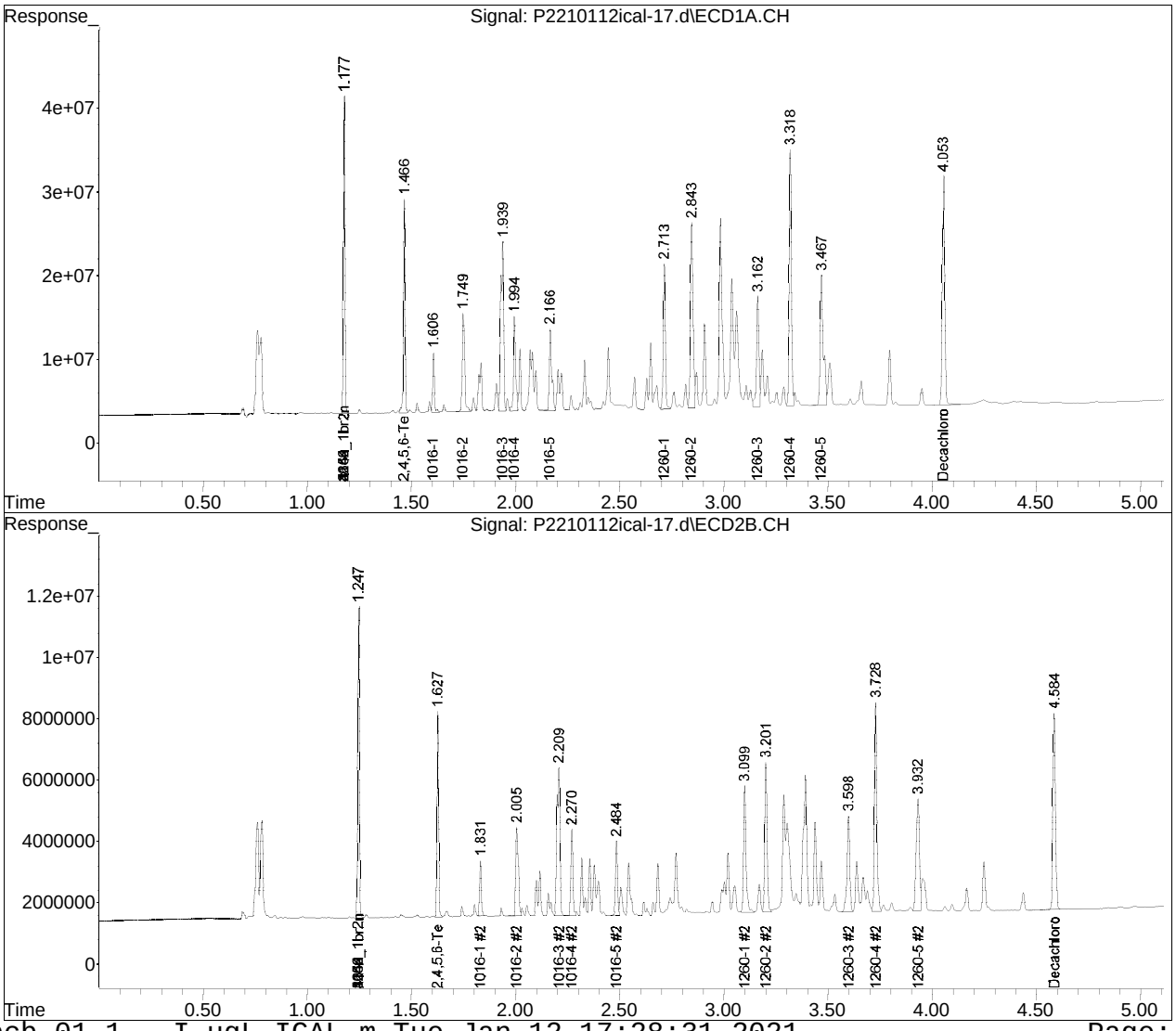
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:15 pm
Operator : pest2:kb
Sample : cicv1660,42e,,10255 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:09:26 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:09:18 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\PCB\Pest2\2021\210112ICQ	Method	: P2_pcb_01_12_21_LVI_ugL_
Data File	: P2210112ical-17.d	Operator	: pest2:kb
Date Inj'd	: 1/12/2021 4:15 pm	Instrument	: PEST 2
Sample	: cicv1660,42e,,10255 lvi	Quant Date	: 1/12/2021 5:09 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:23 pm
Operator : pest2:kb
Sample   : cicv4268,42e,,10257 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:12:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:12:05 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	25.000	25.000	0.0	89	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	16.000	16.782	-4.9	92	0.00
3	s	Decachlorobiphenyl	32.000	50.051	-56.4#	142	0.00
14	i	2154_1br2nb	25.000	25.000	0.0	90	0.00
23	i	4268_1br2nb	25.000	25.000	0.0	92	0.00
24	l6	1242-1	250.000	277.533	-11.0	102	0.00
25	l6	1242-2	250.000	262.381	-5.0	97	0.00
26	l6	1242-3	250.000	263.105	-5.2	97	0.00
27	l6	1242-4	250.000	261.643	-4.7	96	0.00
28	l6	1242-5	250.000	261.237	-4.5	96	0.00
29	l9	1268-1	250.000	249.382	0.2	92	0.00
30	l9	1268-2	250.000	230.944	7.6	85	0.00
31	l9	1268-3	250.000	261.904	-4.8	97	0.00
32	l9	1268-4	250.000	236.356	5.5	87	0.00
33	l9	1268-5	250.000	267.456	-7.0	99	0.00
34	i	1248_1br2nb	25.000	25.000	0.0	88	0.00
40	i	3262_1br2nb	25.000	25.000	0.0	90	0.00

Signal #2

1	i	1660_1br2nb	25.000	25.000	0.0	91	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	16.000	15.775	1.4	92	0.00
3	s	Decachlorobiphenyl	32.000	46.031	-43.8#	142	0.00
14	i	2154_1br2nb	25.000	25.000	0.0	92	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:23 pm
Operator : pest2:kb
Sample   : cicv4268,42e,,10257 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:12:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:12:05 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	25.000	25.000	0.0	92	0.00
24	l6	1242-1	250.000	257.854	-3.1	95	0.00
25	l6	1242-2	250.000	260.367	-4.1	96	0.00
26	l6	1242-3	250.000	264.586	-5.8	98	0.00
27	l6	1242-4	250.000	259.202	-3.7	96	0.00
28	l6	1242-5	250.000	254.105	-1.6	94	0.00
29	l9	1268-1	250.000	249.251	0.3	92	0.00
30	l9	1268-2	250.000	235.337	5.9	87	0.00
31	l9	1268-3	250.000	264.411	-5.8	97	0.00
32	l9	1268-4	250.000	244.196	2.3	90	0.00
33	l9	1268-5	250.000	264.299	-5.7	97	0.00
34	i	1248_1br2nb	25.000	25.000	0.0	89	0.00
40	i	3262_1br2nb	25.000	25.000	0.0	91	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	250.000	0.000	100.0#	0	-1.61#
5	l1	1016-2	250.000	0.000	100.0#	0	-1.75#
6	l1	1016-3	250.000	0.000	100.0#	0	-1.94#
7	l1	1016-4	250.000	0.000	100.0#	0	-1.99#
8	l1	1016-5	250.000	0.000	100.0#	0	-2.16#
9	l2	1260-1	250.000	0.000	100.0#	0	-2.71#
10	l2	1260-2	250.000	0.000	100.0#	0	-2.84#
11	l2	1260-3	250.000	0.000	100.0#	0	-3.16#
12	l2	1260-4	250.000	0.000	100.0#	0	-3.32#
13	l2	1260-5	250.000	0.000	100.0#	0	-3.46#
15	l3	1221-2	250.000	0.000	100.0#	0	-1.53#
16	l3	1221-3	250.000	0.000	100.0#	0	-1.59#
17	l3	1221-4	250.000	0.000	100.0#	0	-1.61#

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:23 pm
Operator : pest2:kb
Sample   : cicv4268,42e,,10257 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:12:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:12:05 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18	l4	1254-1	250.000	0.000	100.0#	0	-2.33#
19	l4	1254-2	250.000	0.000	100.0#	0	-2.44#
20	l4	1254-3	250.000	0.000	100.0#	0	-2.63#
21	l4	1254-4	250.000	0.000	100.0#	0	-2.76#
22	l4	1254-5	250.000	0.000	100.0#	0	-2.98#
35	l7	1248-1	250.000	0.000	100.0#	0	-1.93#
36	l7	1248-2	250.000	0.000	100.0#	0	-2.07#
37	l7	1248-3	250.000	0.000	100.0#	0	-2.17#
38	l7	1248-4	250.000	0.000	100.0#	0	-2.35#
39	l7	1248-5	250.000	0.000	100.0#	0	-2.36#
41	l5	1232-1	250.000	0.000	100.0#	0	-1.61#
42	l5	1232-2	250.000	0.000	100.0#	0	-1.75#
43	l5	1232-3	250.000	0.000	100.0#	0	-1.94#
44	l5	1232-4	250.000	0.000	100.0#	0	-1.99#
45	l5	1232-5	250.000	0.000	100.0#	0	-2.35#
46	l8	1262-1	250.000	0.000	100.0#	0	-2.84#
47	l8	1262-2	250.000	0.000	100.0#	0	-3.04#
48	l8	1262-3	250.000	0.000	100.0#	0	-3.16#
49	l8	1262-4	250.000	0.000	100.0#	0	-3.32#
50	l8	1262-5	250.000	0.000	100.0#	0	-3.79#

Signal #2

4	l1	1016-1	250.000	0.000	100.0#	0	-1.83#
5	l1	1016-2	250.000	0.000	100.0#	0	-2.00#
6	l1	1016-3	250.000	0.000	100.0#	0	-2.21#
7	l1	1016-4	250.000	0.000	100.0#	0	-2.27#
8	l1	1016-5	250.000	0.000	100.0#	0	-2.48#
9	l2	1260-1	250.000	0.000	100.0#	0	-3.10#
10	l2	1260-2	250.000	0.000	100.0#	0	-3.20#
11	l2	1260-3	250.000	0.000	100.0#	0	-3.60#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:23 pm
Operator : pest2:kb
Sample   : cicv4268,42e,,10257 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:12:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:12:05 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
12 l2	1260-4	250.000	0.000	100.0#	0	-3.73#
13 l2	1260-5	250.000	0.000	100.0#	0	-3.93#
15 l3	1221-2	250.000	0.000	100.0#	0	-1.75#
16 l3	1221-3	250.000	0.000	100.0#	0	-1.81#
17 l3	1221-4	250.000	0.000	100.0#	0	-1.83#
18 l4	1254-1	250.000	0.000	100.0#	0	-2.68#
19 l4	1254-2	250.000	0.000	100.0#	0	-2.77#
20 l4	1254-3	250.000	0.000	100.0#	0	-3.00#
21 l4	1254-4	250.000	0.000	100.0#	0	-3.11#
22 l4	1254-5	250.000	0.000	100.0#	0	-3.39#
35 l7	1248-1	250.000	0.000	100.0#	0	-2.20#
36 l7	1248-2	250.000	0.000	100.0#	0	-2.36#
37 l7	1248-3	250.000	0.000	100.0#	0	-2.48#
38 l7	1248-4	250.000	0.000	100.0#	0	-2.66#
39 l7	1248-5	250.000	0.000	100.0#	0	-2.68#
41 l5	1232-1	250.000	0.000	100.0#	0	-1.83#
42 l5	1232-2	250.000	0.000	100.0#	0	-2.00#
43 l5	1232-3	250.000	0.000	100.0#	0	-2.21#
44 l5	1232-4	250.000	0.000	100.0#	0	-2.27#
45 l5	1232-5	250.000	0.000	100.0#	0	-2.66#
46 l8	1262-1	250.000	0.000	100.0#	0	-3.20#
47 l8	1262-2	250.000	0.000	100.0#	0	-3.44#
48 l8	1262-3	250.000	0.000	100.0#	0	-3.60#
49 l8	1262-4	250.000	0.000	100.0#	0	-3.73#
50 l8	1262-5	250.000	0.000	100.0#	0	-4.25#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:23 pm
Operator : pest2:kb
Sample : cicv4268,42e,,10257 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:12:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:12:05 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.178	1.247	185.1E6	49203197	25.000	25.000
14) i	2154_1br2nb	1.178	1.247	185.1E6	49203197	25.000	25.000
23) i	4268_1br2nb	1.178	1.247	185.1E6	49203197	25.000	25.000
34) i	1248_1br2nb	1.178	1.247	185.1E6	49203197	25.000	25.000
40) i	3262_1br2nb	1.178	1.247	185.1E6	49203197	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.466	1.627	138.4E6	35875681	16.782	15.775
	Spiked Amount 20.000	Range 30 - 150		Recovery =		83.91%	78.88%
3) s	Decachlorobi	4.052	4.583	366.3E6	86849090	50.051	46.031
	Spiked Amount 20.000	Range 30 - 150		Recovery =		250.26%#	230.15%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:23 pm
Operator : pest2:kb
Sample : cicv4268,42e,,10257 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:12:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:12:05 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.606	1.832	31935639	8454444	277.533	257.854
25) l6	1242-2	1.749	2.005	71220504	19283816	262.381	260.367
26) l6	1242-3	1.939	2.209	143.5E6	37862860	263.105	264.586
27) l6	1242-4	1.994	2.270	58902007	14722047	261.643	259.202
28) l6	1242-5	2.349	2.661	46727896	12437666	261.237	254.105
Sum	1242-1			352.2E6	92760833	1325.899	1296.115
Average	1242-1					265.180	259.223
29) l9	1268-1	3.482	3.925	318.1E6	76299567	249.382	249.251
30) l9	1268-2	3.503	3.952	289.0E6	68426116	230.944	235.337
31) l9	1268-3	3.606	4.095	238.5E6	58154833	261.904	264.411
32) l9	1268-4	3.794	4.247	101.9E6	25111960	236.356	244.196
33) l9	1268-5	3.948	4.434	714.1E6	166.2E6	267.456	264.299
Sum	1268-1			1661.5E6	394.2E6	1246.043	1257.493
Average	1268-1					249.209	251.499
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:23 pm
Operator : pest2:kb
Sample : cicv4268,42e,,10257 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:12:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:12:05 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

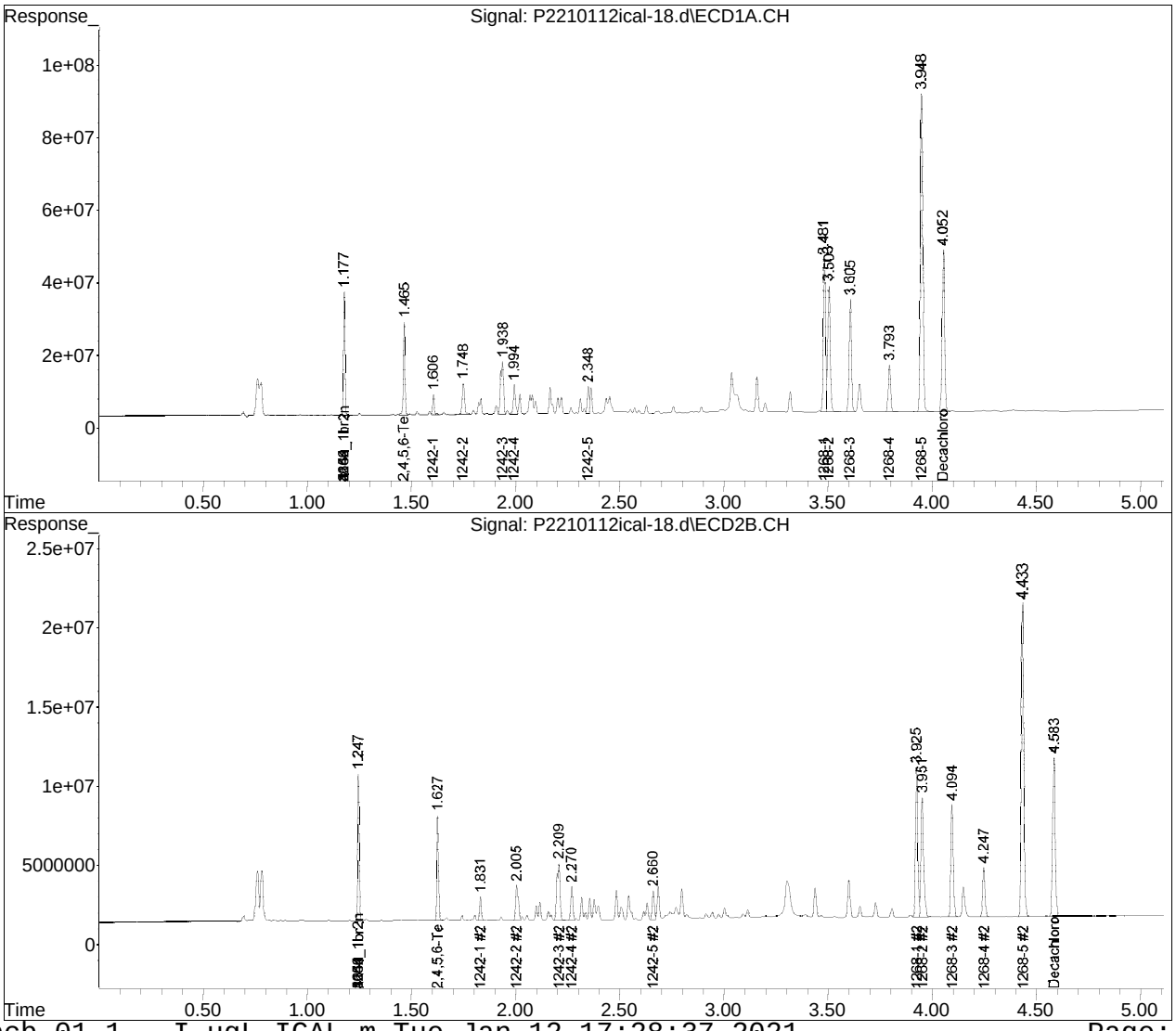
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:23 pm
Operator : pest2:kb
Sample : cicv4268,42e,,10257 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:12:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:12:05 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\PCB\Pest2\2021\210112ICQ	Method	: P2_pcb_01_12_21_LVI_ugL_
Data File	: P2210112ical-18.d	Operator	: pest2:kb
Date Inj'd	: 1/12/2021 4:23 pm	Instrument	: PEST 2
Sample	: cicv4268,42e,,10257 lvi	Quant Date	: 1/12/2021 5:12 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:31 pm
Operator : pest2:kb
Sample   : cicv3262,42e,,10258 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:17:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:15:32 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	25.000	25.000	0.0	101	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	16.000	16.798	-5.0	105	0.00
3	s	Decachlorobiphenyl	32.000	30.195	5.6	97	0.00
14	i	2154_1br2nb	25.000	25.000	0.0	102	0.00
23	i	4268_1br2nb	25.000	25.000	0.0	104	0.00
34	i	1248_1br2nb	25.000	25.000	0.0	100	0.00
40	i	3262_1br2nb	25.000	25.000	0.0	102	0.00
41	l5	1232-1	250.000	278.018	-11.2	114	0.00
42	l5	1232-2	250.000	258.944	-3.6	106	0.00
43	l5	1232-3	250.000	260.582	-4.2	107	0.00
44	l5	1232-4	250.000	279.155	-11.7	114	0.00
45	l5	1232-5	250.000	246.676	1.3	101	0.00
46	l8	1262-1	250.000	256.171	-2.5	105	0.00
47	l8	1262-2	250.000	249.310	0.3	102	0.00
48	l8	1262-3	250.000	253.080	-1.2	104	0.00
49	l8	1262-4	250.000	254.039	-1.6	104	0.00
50	l8	1262-5	250.000	250.998	-0.4	103	0.00

Signal #2

1	i	1660_1br2nb	25.000	25.000	0.0	102	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	16.000	15.528	2.9	101	0.00
3	s	Decachlorobiphenyl	32.000	28.698	10.3	99	0.00
14	i	2154_1br2nb	25.000	25.000	0.0	103	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:31 pm
Operator : pest2:kb
Sample   : cicv3262,42e,,10258 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:17:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:15:32 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	25.000	25.000	0.0	103	0.00
34	i	1248_1br2nb	25.000	25.000	0.0	99	0.00
40	i	3262_1br2nb	25.000	25.000	0.0	102	0.00
41	l5	1232-1	250.000	286.517	-14.6	117	0.00
42	l5	1232-2	250.000	259.391	-3.8	106	0.00
43	l5	1232-3	250.000	260.465	-4.2	106	0.00
44	l5	1232-4	250.000	264.723	-5.9	108	0.00
45	l5	1232-5	250.000	235.041	6.0	96	0.00
46	l8	1262-1	250.000	265.761	-6.3	108	0.00
47	l8	1262-2	250.000	272.803	-9.1	111	0.00
48	l8	1262-3	250.000	252.380	-1.0	103	0.00
49	l8	1262-4	250.000	255.705	-2.3	104	0.00
50	l8	1262-5	250.000	255.027	-2.0	104	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	250.000	0.000	100.0#	0	-1.61#
5	l1	1016-2	250.000	0.000	100.0#	0	-1.75#
6	l1	1016-3	250.000	0.000	100.0#	0	-1.94#
7	l1	1016-4	250.000	0.000	100.0#	0	-1.99#
8	l1	1016-5	250.000	0.000	100.0#	0	-2.16#
9	l2	1260-1	250.000	0.000	100.0#	0	-2.71#
10	l2	1260-2	250.000	0.000	100.0#	0	-2.84#
11	l2	1260-3	250.000	0.000	100.0#	0	-3.16#
12	l2	1260-4	250.000	0.000	100.0#	0	-3.32#
13	l2	1260-5	250.000	0.000	100.0#	0	-3.46#
15	l3	1221-2	250.000	0.000	100.0#	0	-1.53#
16	l3	1221-3	250.000	0.000	100.0#	0	-1.59#
17	l3	1221-4	250.000	0.000	100.0#	0	-1.61#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:31 pm
Operator : pest2:kb
Sample   : cicv3262,42e,,10258 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:17:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:15:32 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18	l4	1254-1	250.000	0.000	100.0#	0	-2.33#
19	l4	1254-2	250.000	0.000	100.0#	0	-2.44#
20	l4	1254-3	250.000	0.000	100.0#	0	-2.63#
21	l4	1254-4	250.000	0.000	100.0#	0	-2.76#
22	l4	1254-5	250.000	0.000	100.0#	0	-2.98#
24	l6	1242-1	250.000	0.000	100.0#	0	-1.61#
25	l6	1242-2	250.000	0.000	100.0#	0	-1.75#
26	l6	1242-3	250.000	0.000	100.0#	0	-1.94#
27	l6	1242-4	250.000	0.000	100.0#	0	-1.99#
28	l6	1242-5	250.000	0.000	100.0#	0	-2.35#
29	l9	1268-1	250.000	0.000	100.0#	0	-3.48#
30	l9	1268-2	250.000	0.000	100.0#	0	-3.50#
31	l9	1268-3	250.000	0.000	100.0#	0	-3.60#
32	l9	1268-4	250.000	0.000	100.0#	0	-3.79#
33	l9	1268-5	250.000	0.000	100.0#	0	-3.95#
35	l7	1248-1	250.000	0.000	100.0#	0	-1.93#
36	l7	1248-2	250.000	0.000	100.0#	0	-2.07#
37	l7	1248-3	250.000	0.000	100.0#	0	-2.17#
38	l7	1248-4	250.000	0.000	100.0#	0	-2.35#
39	l7	1248-5	250.000	0.000	100.0#	0	-2.36#

Signal #2

4	l1	1016-1	250.000	0.000	100.0#	0	-1.83#
5	l1	1016-2	250.000	0.000	100.0#	0	-2.00#
6	l1	1016-3	250.000	0.000	100.0#	0	-2.21#
7	l1	1016-4	250.000	0.000	100.0#	0	-2.27#
8	l1	1016-5	250.000	0.000	100.0#	0	-2.48#
9	l2	1260-1	250.000	0.000	100.0#	0	-3.10#
10	l2	1260-2	250.000	0.000	100.0#	0	-3.20#
11	l2	1260-3	250.000	0.000	100.0#	0	-3.60#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:31 pm
Operator : pest2:kb
Sample   : cicv3262,42e,,10258 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:17:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:15:32 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
12 l2	1260-4	250.000	0.000	100.0#	0	-3.73#
13 l2	1260-5	250.000	0.000	100.0#	0	-3.93#
15 l3	1221-2	250.000	0.000	100.0#	0	-1.75#
16 l3	1221-3	250.000	0.000	100.0#	0	-1.81#
17 l3	1221-4	250.000	0.000	100.0#	0	-1.83#
18 l4	1254-1	250.000	0.000	100.0#	0	-2.68#
19 l4	1254-2	250.000	0.000	100.0#	0	-2.77#
20 l4	1254-3	250.000	0.000	100.0#	0	-3.00#
21 l4	1254-4	250.000	0.000	100.0#	0	-3.11#
22 l4	1254-5	250.000	0.000	100.0#	0	-3.39#
24 l6	1242-1	250.000	0.000	100.0#	0	-1.83#
25 l6	1242-2	250.000	0.000	100.0#	0	-2.00#
26 l6	1242-3	250.000	0.000	100.0#	0	-2.21#
27 l6	1242-4	250.000	0.000	100.0#	0	-2.27#
28 l6	1242-5	250.000	0.000	100.0#	0	-2.66#
29 l9	1268-1	250.000	0.000	100.0#	0	-3.92#
30 l9	1268-2	250.000	0.000	100.0#	0	-3.95#
31 l9	1268-3	250.000	0.000	100.0#	0	-4.09#
32 l9	1268-4	250.000	0.000	100.0#	0	-4.25#
33 l9	1268-5	250.000	0.000	100.0#	0	-4.43#
35 l7	1248-1	250.000	0.000	100.0#	0	-2.20#
36 l7	1248-2	250.000	0.000	100.0#	0	-2.36#
37 l7	1248-3	250.000	0.000	100.0#	0	-2.48#
38 l7	1248-4	250.000	0.000	100.0#	0	-2.66#
39 l7	1248-5	250.000	0.000	100.0#	0	-2.68#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:31 pm
Operator : pest2:kb
Sample : cicv3262,42e,,10258 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:17:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:15:32 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.177	1.247	209.7E6	54998900	25.000	25.000
14) i	2154_1br2nb	1.177	1.247	209.7E6	54998900	25.000	25.000
23) i	4268_1br2nb	1.177	1.247	209.7E6	54998900	25.000	25.000
34) i	1248_1br2nb	1.177	1.247	209.7E6	54998900	25.000	25.000
40) i	3262_1br2nb	1.177	1.247	209.7E6	54998900	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.465	1.627	157.0E6	39474052	16.798	15.528
	Spiked Amount	20.000	Range 30 - 150		Recovery =	83.99%	77.64%
3) s	Decachlorobi	4.052	4.584	250.4E6	60524346	30.195	28.698
	Spiked Amount	20.000	Range 30 - 150		Recovery =	150.97%#	143.49%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:31 pm
Operator : pest2:kb
Sample : cicv3262,42e,,10258 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:17:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:15:32 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:31 pm
Operator : pest2:kb
Sample : cicv3262,42e,,10258 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:17:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:15:32 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	1.605	1.832	49263343	14288579	278.018M3	286.517
42) l5	1232-2	1.748	2.006	43177899	12785499	258.944M3	259.391
43) l5	1232-3	1.937	2.210	86884138	23600086	260.582	260.465
44) l5	1232-4	1.994	2.271	35571523	9648852	279.155	264.723
45) l5	1232-5	2.348	2.661	25309148	6898919	246.676M3	235.041
Sum	1232-1			240.2E6	67221934	1323.375	1306.138
Average	1232-1					264.675	261.228
46) l8	1262-1	2.843	3.202	133.8E6	30381784	256.171	265.761
47) l8	1262-2	3.036	3.438	210.5E6	42105693	249.310M4	272.803
48) l8	1262-3	3.160	3.598	144.6E6	36789442	253.080M4	252.380
49) l8	1262-4	3.316	3.727	302.8E6	71297536	254.039M4	255.705
50) l8	1262-5	3.793	4.247	98165848	26037888	250.998	255.027
Sum	1262-1			890.0E6	206.6E6	1263.599	1301.676
Average	1262-1					252.720	260.335

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			890.0E6	206.6E6	1263.599	1301.676
Average	1262-1					252.720	260.335

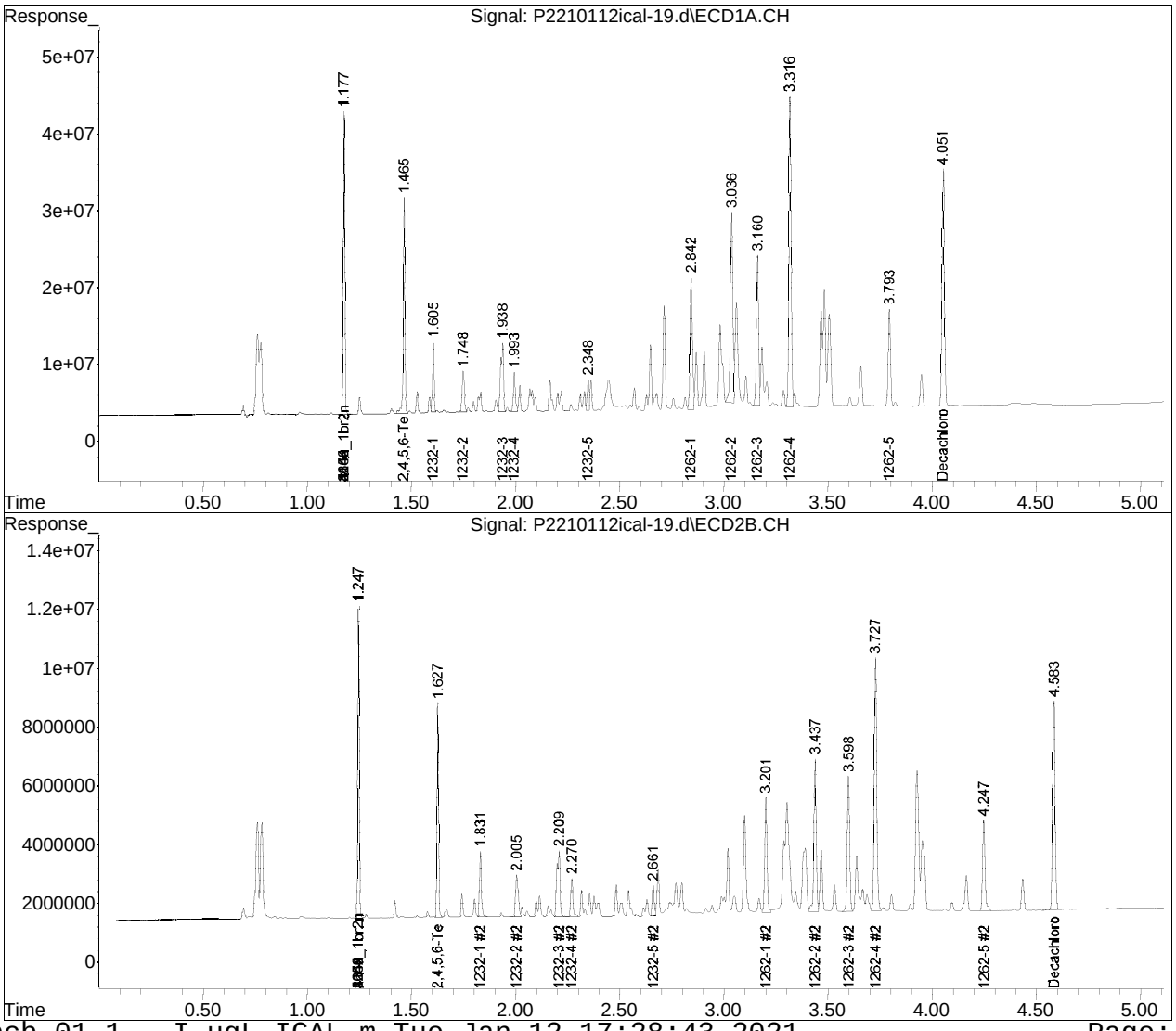
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:31 pm
Operator : pest2:kb
Sample : cicv3262,42e,,10258 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:17:14 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:15:32 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

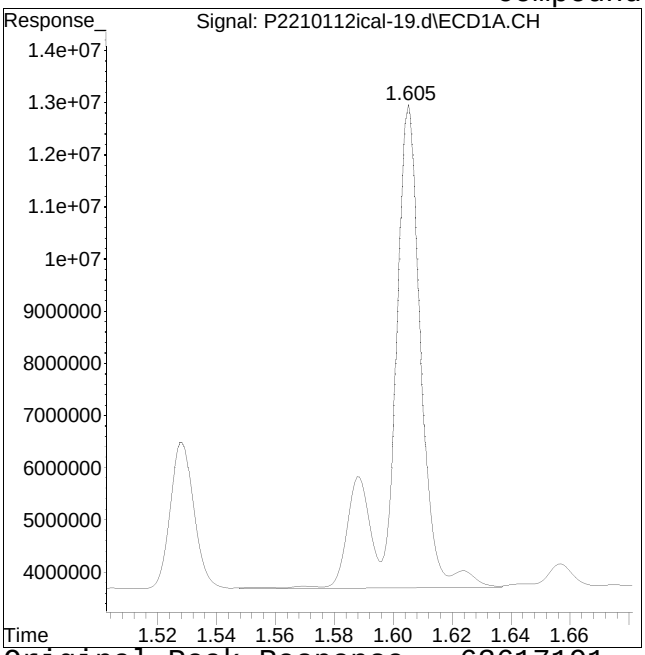
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

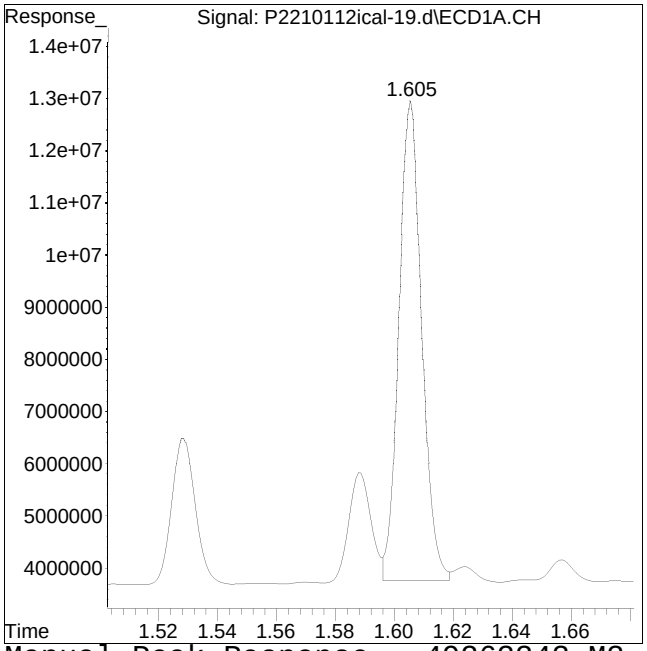


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-19.d Operator : pest2:kb
Date Inj'd : 1/12/2021 4:31 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 1/12/2021 5:15 pm

Compound #41: 1232-1



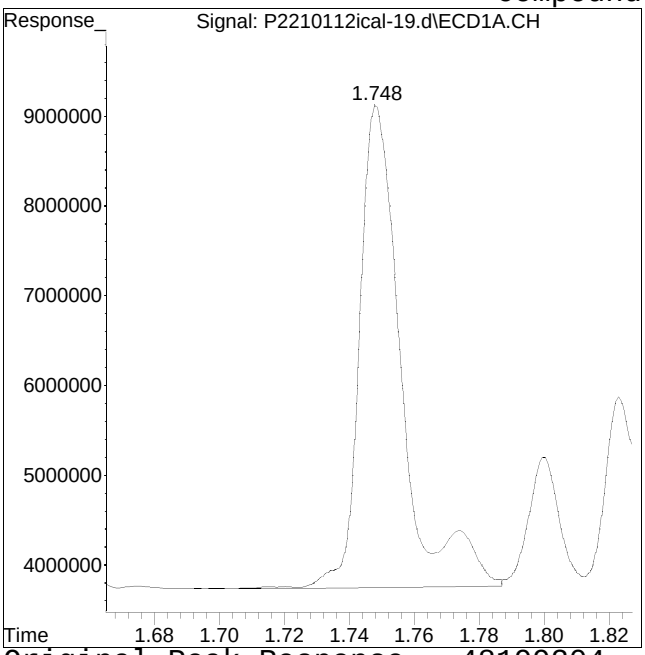


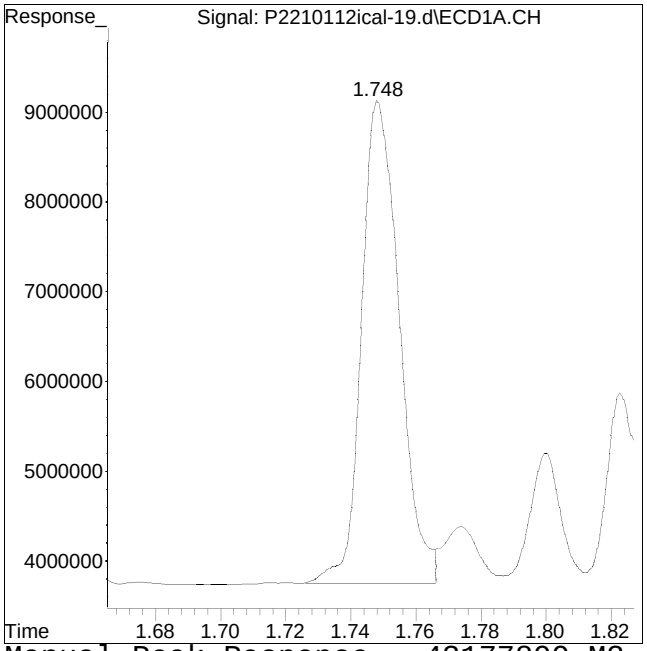
Original Peak Response = 63617191 Manual Peak Response = 49263343 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-19.d Operator : pest2:kb
Date Inj'd : 1/12/2021 4:31 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 1/12/2021 5:15 pm

Compound #42: 1232-2



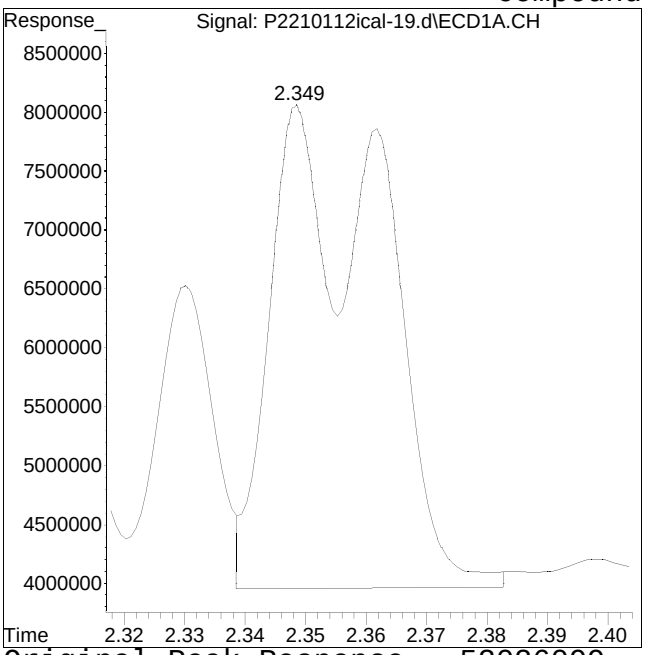


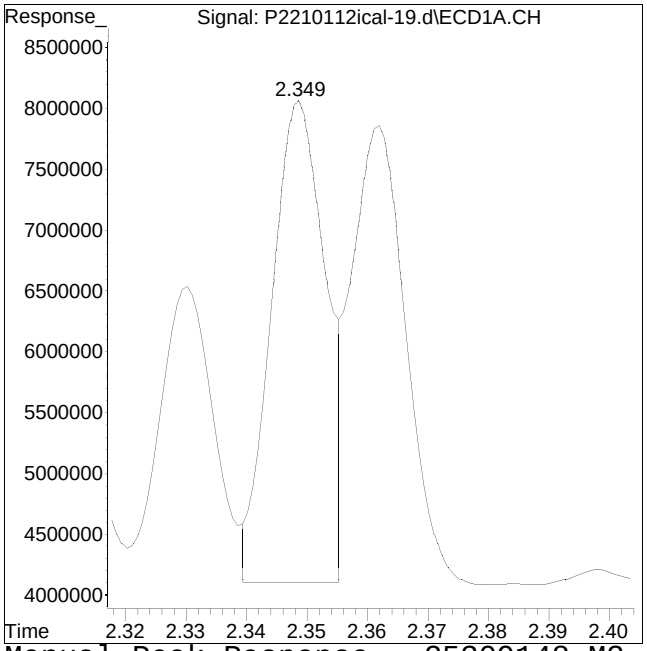
Original Peak Response = 48199204 Manual Peak Response = 43177899 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-19.d Operator : pest2:kb
Date Inj'd : 1/12/2021 4:31 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 1/12/2021 5:15 pm

Compound #45: 1232-5



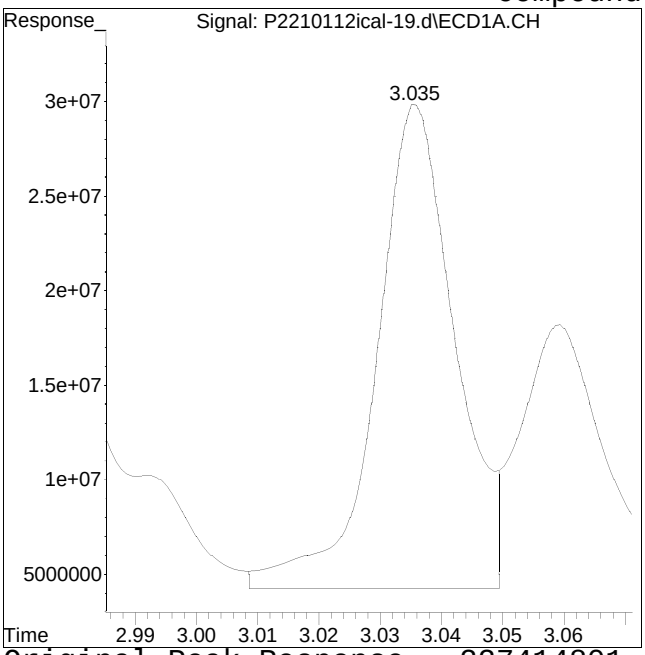


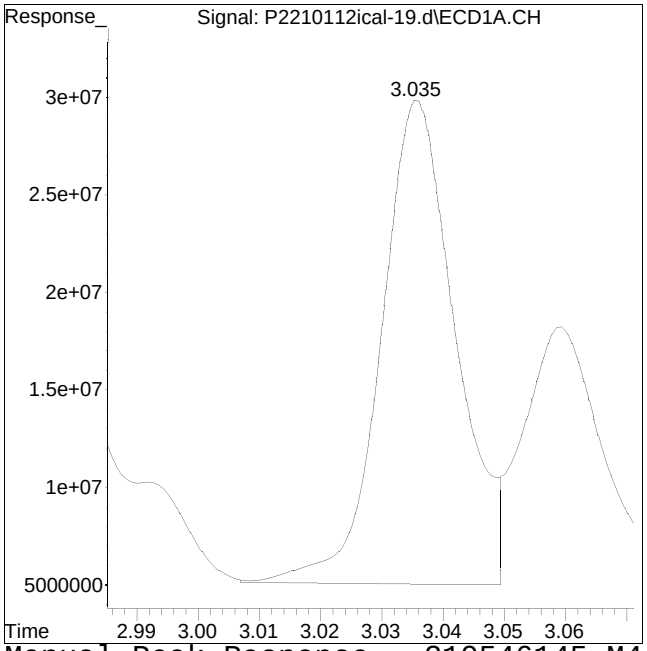
Original Peak Response = 52026099 Manual Peak Response = 25309148 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-19.d Operator : pest2:kb
Date Inj'd : 1/12/2021 4:31 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 1/12/2021 5:15 pm

Compound #47: 1262-2



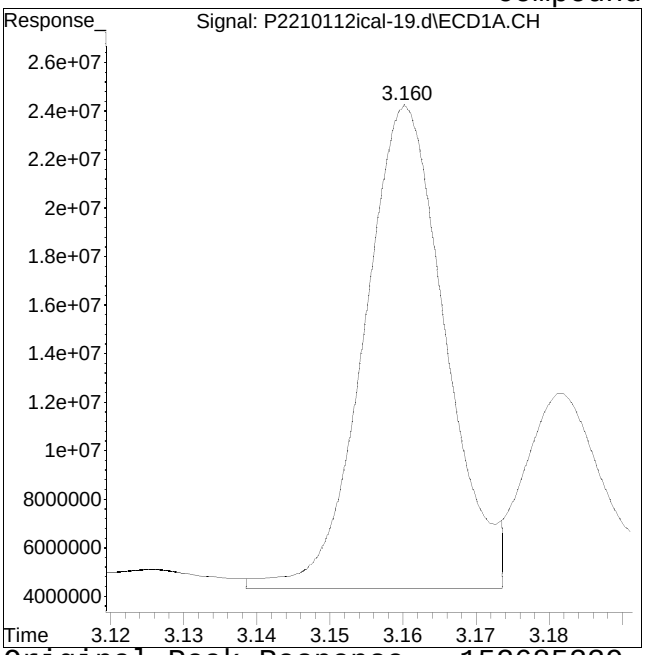


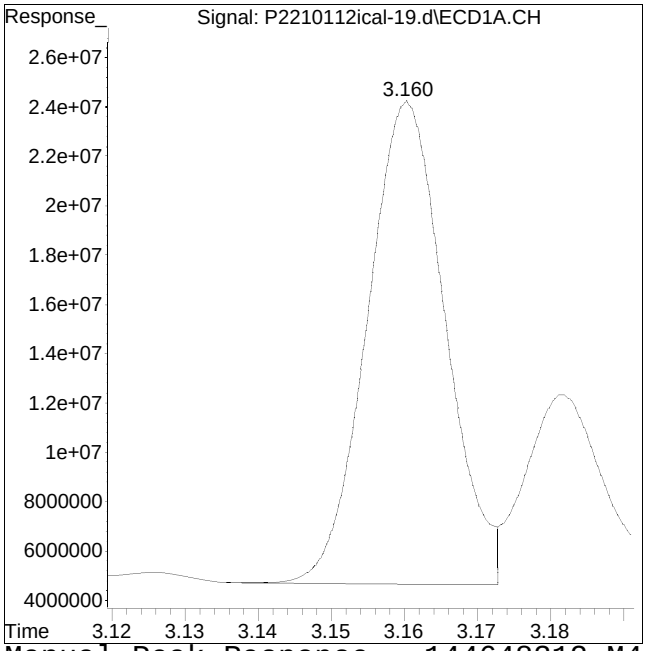
Original Peak Response = 227414801 Manual Peak Response = 210546145 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-19.d Operator : pest2:kb
Date Inj'd : 1/12/2021 4:31 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 1/12/2021 5:15 pm

Compound #48: 1262-3



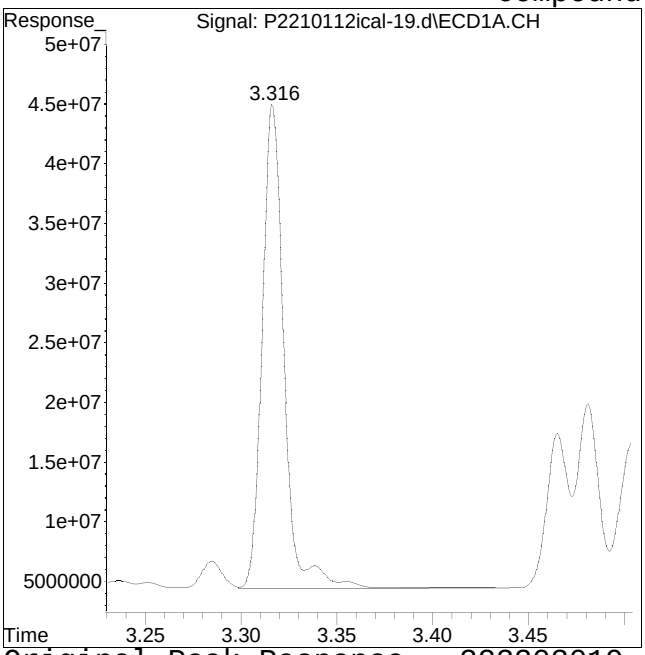


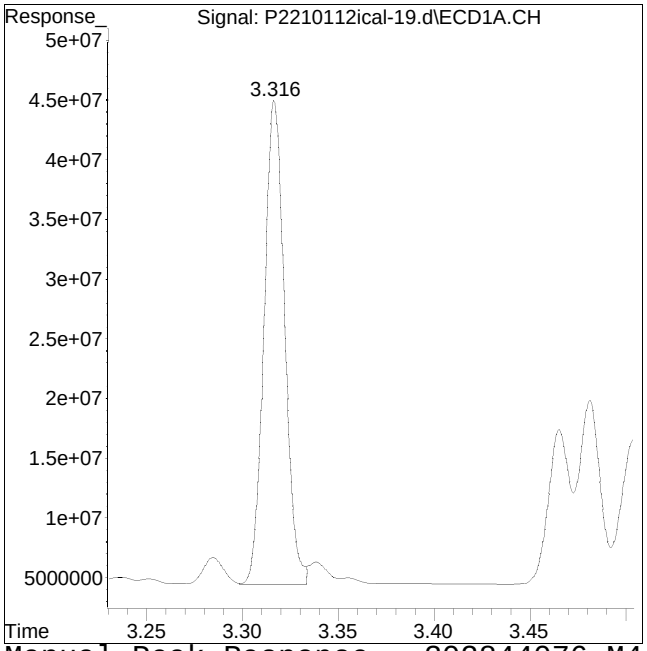
Original Peak Response = 152685339 Manual Peak Response = 144648312 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-19.d Operator : pest2:kb
Date Inj'd : 1/12/2021 4:31 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 1/12/2021 5:15 pm

Compound #49: 1262-4





Original Peak Response = 323303019 Manual Peak Response = 302844076 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:39 pm
Operator : pest2:kb
Sample   : cicv1248,42e,,10259 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:18:05 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:17:57 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	25.000	25.000	0.0	97	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	16.000	17.575	-9.8	105	0.00
3	s	Decachlorobiphenyl	32.000	33.080	-3.4	102	0.00
14	i	2154_1br2nb	25.000	25.000	0.0	98	0.00
23	i	4268_1br2nb	25.000	25.000	0.0	100	0.00
34	i	1248_1br2nb	25.000	25.000	0.0	96	0.00
35	l7	1248-1	250.000	272.355	-8.9	104	0.00
36	l7	1248-2	250.000	279.762	-11.9	107	0.00
37	l7	1248-3	250.000	282.303	-12.9	108	0.00
38	l7	1248-4	250.000	293.987	-17.6	113	0.00
39	l7	1248-5	250.000	299.584	-19.8	115	0.00
40	i	3262_1br2nb	25.000	25.000	0.0	98	0.00

Signal #2

1	i	1660_1br2nb	25.000	25.000	0.0	98	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	16.000	16.657	-4.1	105	0.00
3	s	Decachlorobiphenyl	32.000	31.136	2.7	104	0.00
14	i	2154_1br2nb	25.000	25.000	0.0	99	0.00
23	i	4268_1br2nb	25.000	25.000	0.0	100	0.00
34	i	1248_1br2nb	25.000	25.000	0.0	96	0.00
35	l7	1248-1	250.000	270.185	-8.1	104	0.00
36	l7	1248-2	250.000	287.963	-15.2	110	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:39 pm
Operator : pest2:kb
Sample   : cicv1248,42e,,10259 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:18:05 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:17:57 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
37	l7	1248-3	250.000	276.748	-10.7	106	0.00
38	l7	1248-4	250.000	286.801	-14.7	110	0.00
39	l7	1248-5	250.000	284.159	-13.7	109	0.00
40	i	3262_1br2nb	25.000	25.000	0.0	99	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	250.000	0.000	100.0#	0	-1.61#
5	l1	1016-2	250.000	0.000	100.0#	0	-1.75#
6	l1	1016-3	250.000	0.000	100.0#	0	-1.94#
7	l1	1016-4	250.000	0.000	100.0#	0	-1.99#
8	l1	1016-5	250.000	0.000	100.0#	0	-2.16#
9	l2	1260-1	250.000	0.000	100.0#	0	-2.71#
10	l2	1260-2	250.000	0.000	100.0#	0	-2.84#
11	l2	1260-3	250.000	0.000	100.0#	0	-3.16#
12	l2	1260-4	250.000	0.000	100.0#	0	-3.32#
13	l2	1260-5	250.000	0.000	100.0#	0	-3.46#
15	l3	1221-2	250.000	0.000	100.0#	0	-1.53#
16	l3	1221-3	250.000	0.000	100.0#	0	-1.59#
17	l3	1221-4	250.000	0.000	100.0#	0	-1.61#
18	l4	1254-1	250.000	0.000	100.0#	0	-2.33#
19	l4	1254-2	250.000	0.000	100.0#	0	-2.44#
20	l4	1254-3	250.000	0.000	100.0#	0	-2.63#
21	l4	1254-4	250.000	0.000	100.0#	0	-2.76#
22	l4	1254-5	250.000	0.000	100.0#	0	-2.98#
24	l6	1242-1	250.000	0.000	100.0#	0	-1.61#
25	l6	1242-2	250.000	0.000	100.0#	0	-1.75#
26	l6	1242-3	250.000	0.000	100.0#	0	-1.94#
27	l6	1242-4	250.000	0.000	100.0#	0	-1.99#
28	l6	1242-5	250.000	0.000	100.0#	0	-2.35#

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:39 pm
Operator : pest2:kb
Sample   : cicv1248,42e,,10259 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:18:05 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:17:57 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
29	l9	1268-1	250.000	0.000	100.0#	0	-3.48#
30	l9	1268-2	250.000	0.000	100.0#	0	-3.50#
31	l9	1268-3	250.000	0.000	100.0#	0	-3.60#
32	l9	1268-4	250.000	0.000	100.0#	0	-3.79#
33	l9	1268-5	250.000	0.000	100.0#	0	-3.95#
41	l5	1232-1	250.000	0.000	100.0#	0	-1.61#
42	l5	1232-2	250.000	0.000	100.0#	0	-1.75#
43	l5	1232-3	250.000	0.000	100.0#	0	-1.94#
44	l5	1232-4	250.000	0.000	100.0#	0	-1.99#
45	l5	1232-5	250.000	0.000	100.0#	0	-2.35#
46	l8	1262-1	250.000	0.000	100.0#	0	-2.84#
47	l8	1262-2	250.000	0.000	100.0#	0	-3.04#
48	l8	1262-3	250.000	0.000	100.0#	0	-3.16#
49	l8	1262-4	250.000	0.000	100.0#	0	-3.32#
50	l8	1262-5	250.000	0.000	100.0#	0	-3.79#

Signal #2

4	l1	1016-1	250.000	0.000	100.0#	0	-1.83#
5	l1	1016-2	250.000	0.000	100.0#	0	-2.00#
6	l1	1016-3	250.000	0.000	100.0#	0	-2.21#
7	l1	1016-4	250.000	0.000	100.0#	0	-2.27#
8	l1	1016-5	250.000	0.000	100.0#	0	-2.48#
9	l2	1260-1	250.000	0.000	100.0#	0	-3.10#
10	l2	1260-2	250.000	0.000	100.0#	0	-3.20#
11	l2	1260-3	250.000	0.000	100.0#	0	-3.60#
12	l2	1260-4	250.000	0.000	100.0#	0	-3.73#
13	l2	1260-5	250.000	0.000	100.0#	0	-3.93#
15	l3	1221-2	250.000	0.000	100.0#	0	-1.75#
16	l3	1221-3	250.000	0.000	100.0#	0	-1.81#
17	l3	1221-4	250.000	0.000	100.0#	0	-1.83#

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:39 pm
Operator : pest2:kb
Sample   : cicv1248,42e,,10259 lvi
Misc   : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:18:05 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:17:57 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18 l4	1254-1	250.000	0.000	100.0#	0	-2.68#
19 l4	1254-2	250.000	0.000	100.0#	0	-2.77#
20 l4	1254-3	250.000	0.000	100.0#	0	-3.00#
21 l4	1254-4	250.000	0.000	100.0#	0	-3.11#
22 l4	1254-5	250.000	0.000	100.0#	0	-3.39#
24 l6	1242-1	250.000	0.000	100.0#	0	-1.83#
25 l6	1242-2	250.000	0.000	100.0#	0	-2.00#
26 l6	1242-3	250.000	0.000	100.0#	0	-2.21#
27 l6	1242-4	250.000	0.000	100.0#	0	-2.27#
28 l6	1242-5	250.000	0.000	100.0#	0	-2.66#
29 l9	1268-1	250.000	0.000	100.0#	0	-3.92#
30 l9	1268-2	250.000	0.000	100.0#	0	-3.95#
31 l9	1268-3	250.000	0.000	100.0#	0	-4.09#
32 l9	1268-4	250.000	0.000	100.0#	0	-4.25#
33 l9	1268-5	250.000	0.000	100.0#	0	-4.43#
41 l5	1232-1	250.000	0.000	100.0#	0	-1.83#
42 l5	1232-2	250.000	0.000	100.0#	0	-2.00#
43 l5	1232-3	250.000	0.000	100.0#	0	-2.21#
44 l5	1232-4	250.000	0.000	100.0#	0	-2.27#
45 l5	1232-5	250.000	0.000	100.0#	0	-2.66#
46 l8	1262-1	250.000	0.000	100.0#	0	-3.20#
47 l8	1262-2	250.000	0.000	100.0#	0	-3.44#
48 l8	1262-3	250.000	0.000	100.0#	0	-3.60#
49 l8	1262-4	250.000	0.000	100.0#	0	-3.73#
50 l8	1262-5	250.000	0.000	100.0#	0	-4.25#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:39 pm
Operator : pest2:kb
Sample : cicv1248,42e,,10259 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:18:05 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:17:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.178	1.248	201.2E6	53160512	25.000	25.000
14) i	2154_1br2nb	1.178	1.248	201.2E6	53160512	25.000	25.000
23) i	4268_1br2nb	1.178	1.248	201.2E6	53160512	25.000	25.000
34) i	1248_1br2nb	1.178	1.248	201.2E6	53160512	25.000	25.000
40) i	3262_1br2nb	1.178	1.248	201.2E6	53160512	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.466	1.628	157.6E6	40927871	17.575	16.657
	Spiked Amount 20.000	Range 30 - 150		Recovery =		87.87%	83.28%
3) s	Decachlorobi	4.052	4.583	263.0E6	63470404	33.080	31.136
	Spiked Amount 20.000	Range 30 - 150		Recovery =		165.40%#	155.68%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:39 pm
Operator : pest2:kb
Sample : cicv1248,42e,,10259 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:18:05 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:17:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.939	2.200	101.6E6	27339187	272.355	270.185M1
36) l7	1248-2	2.069	2.357	125.0E6	18253515	279.762	287.963
37) l7	1248-3	2.166	2.485	110.6E6	22797959	282.303	276.748
38) l7	1248-4	2.349	2.661	104.9E6	26458501	293.987	286.801
39) l7	1248-5	2.362	2.685	92655074	30346903	299.584	284.159
Sum	1248-1			534.8E6	125.2E6	1427.993	1405.856

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:39 pm
Operator : pest2:kb
Sample : cicv1248,42e,,10259 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:18:05 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:17:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1248-1					285.599	281.171
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

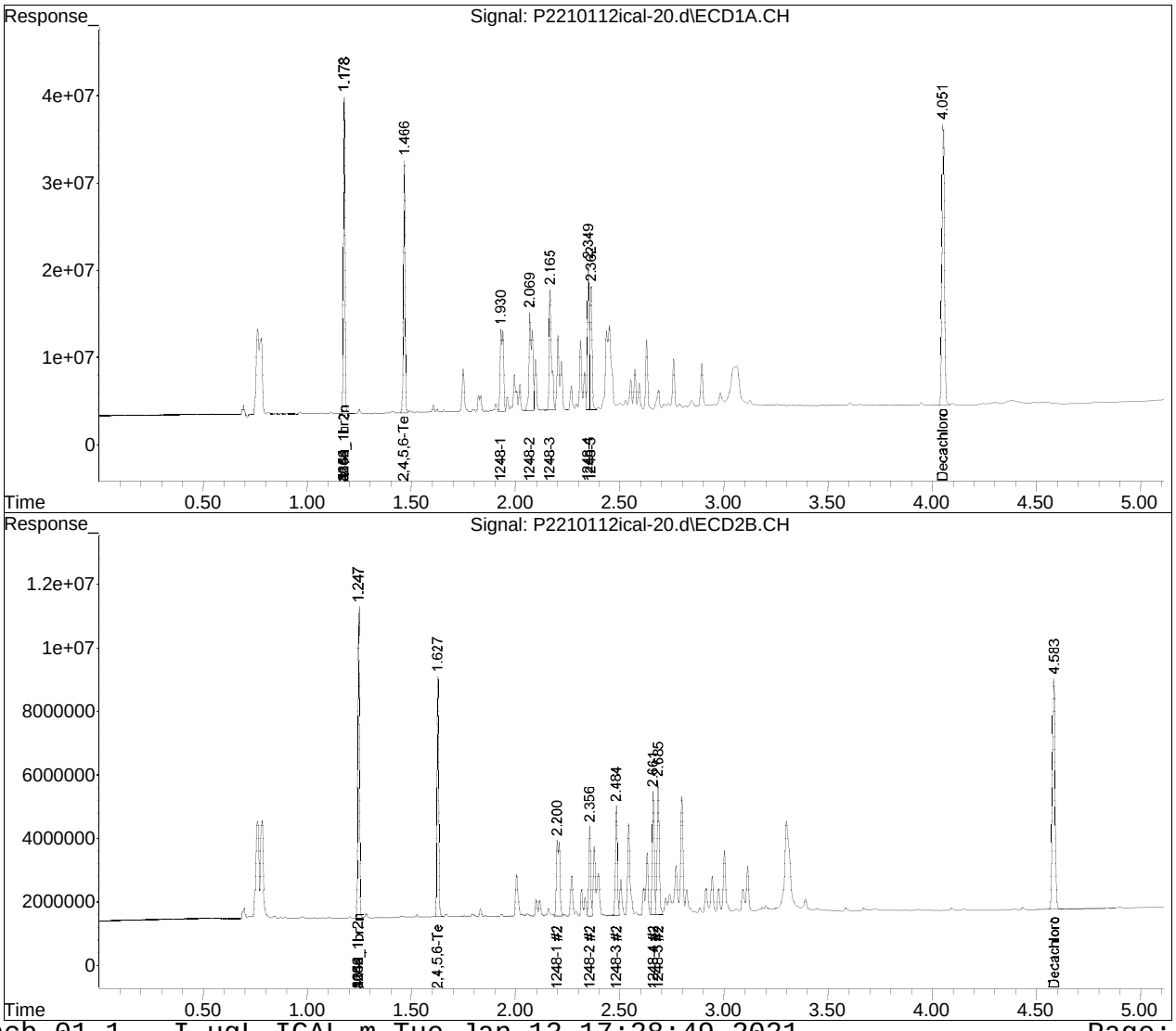
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:39 pm
Operator : pest2:kb
Sample : cicv1248,42e,,10259 lvi
Misc : WG1454233,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:18:05 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 17:17:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

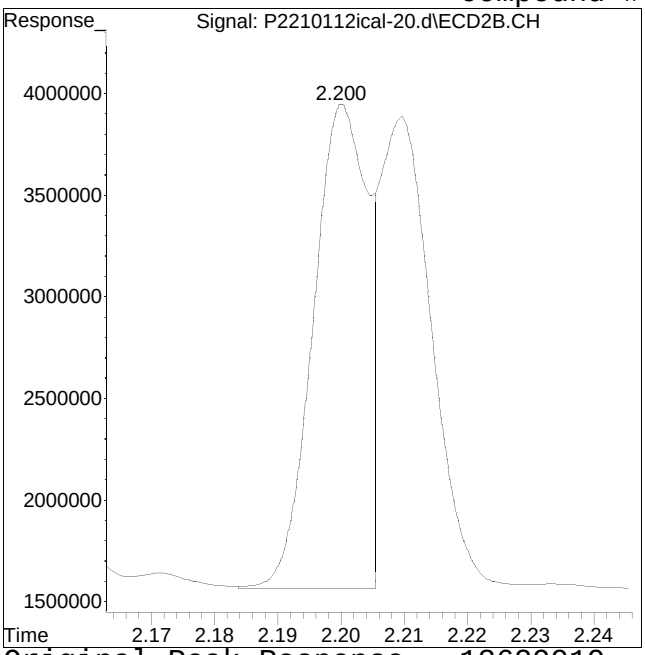
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

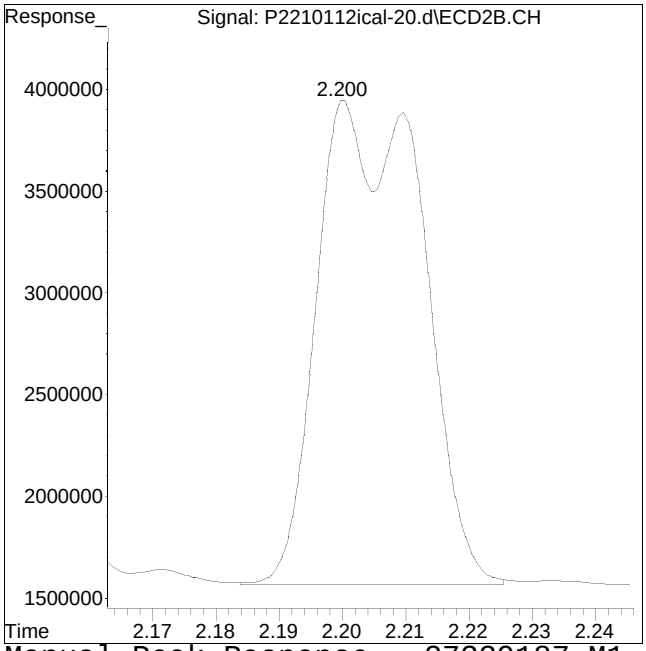


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-20.d Operator : pest2:kb
Date Inj'd : 1/12/2021 4:39 pm Instrument : PEST 2
Sample : cicv1248,42e,,10259 lvi Quant Date : 1/12/2021 5:17 pm

Compound #86: 1248-1 #2





Original Peak Response = 13629919 Manual Peak Response = 27339187 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:47 pm
Operator : pest2:kb
Sample   : cicv2154,42e,,10256 lvi
Misc   : WG1454233,,
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:25:08 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 16:49:39 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	25.000	25.000	0.0	100	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	16.000	16.927	-5.8	105	0.00
3	s	Decachlorobiphenyl	32.000	29.276	8.5	93	0.00
14	i	2154_1br2nb	25.000	25.000	0.0	101	0.00
15	l3	1221-2	250.000	243.181	2.7	99	0.00
16	l3	1221-3	250.000	242.337	3.1	98	0.00
17	l3	1221-4	250.000	246.251	1.5	100	0.00
18	l4	1254-1	250.000	269.721	-7.9	109	0.00
19	l4	1254-2	250.000	268.325	-7.3	109	0.00
20	l4	1254-3	250.000	278.739	-11.5	113	0.00
21	l4	1254-4	250.000	274.644	-9.9	111	0.00
22	l4	1254-5	250.000	255.033	-2.0	104	0.00
23	i	4268_1br2nb	25.000	25.000	0.0	104	0.00
34	i	1248_1br2nb	25.000	25.000	0.0	99	0.00
40	i	3262_1br2nb	25.000	25.000	0.0	102	0.00

Signal #2

1	i	1660_1br2nb	25.000	25.000	0.0	103	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	16.000	15.283	4.5	100	0.00
3	s	Decachlorobiphenyl	32.000	27.524	14.0	96	0.00
14	i	2154_1br2nb	25.000	25.000	0.0	103	0.00
15	l3	1221-2	250.000	247.115	1.2	102	0.00
16	l3	1221-3	250.000	261.748	-4.7	108	0.00
17	l3	1221-4	250.000	242.580	3.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:47 pm
Operator : pest2:kb
Sample   : cicv2154,42e,,10256 lvi
Misc   : WG1454233,,
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:25:08 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 16:49:39 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18	l4	1254-1	250.000	271.188	-8.5	112	0.00
19	l4	1254-2	250.000	253.349	-1.3	105	0.00
20	l4	1254-3	250.000	264.806	-5.9	110	0.00
21	l4	1254-4	250.000	262.034	-4.8	108	0.00
22	l4	1254-5	250.000	247.425	1.0	102	0.00
23	i	4268_1br2nb	25.000	25.000	0.0	104	0.00
34	i	1248_1br2nb	25.000	25.000	0.0	100	0.00
40	i	3262_1br2nb	25.000	25.000	0.0	103	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	250.000	0.000	100.0#	0	-1.61#
5	l1	1016-2	250.000	0.000	100.0#	0	-1.75#
6	l1	1016-3	250.000	0.000	100.0#	0	-1.94#
7	l1	1016-4	250.000	0.000	100.0#	0	-1.99#
8	l1	1016-5	250.000	0.000	100.0#	0	-2.16#
9	l2	1260-1	250.000	0.000	100.0#	0	-2.71#
10	l2	1260-2	250.000	0.000	100.0#	0	-2.84#
11	l2	1260-3	250.000	0.000	100.0#	0	-3.16#
12	l2	1260-4	250.000	0.000	100.0#	0	-3.32#
13	l2	1260-5	250.000	0.000	100.0#	0	-3.46#
24	l6	1242-1	250.000	0.000	100.0#	0	-1.61#
25	l6	1242-2	250.000	0.000	100.0#	0	-1.75#
26	l6	1242-3	250.000	0.000	100.0#	0	-1.94#
27	l6	1242-4	250.000	0.000	100.0#	0	-1.99#
28	l6	1242-5	250.000	0.000	100.0#	0	-2.35#
29	l9	1268-1	250.000	0.000	100.0#	0	-3.48#
30	l9	1268-2	250.000	0.000	100.0#	0	-3.50#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:47 pm
Operator : pest2:kb
Sample   : cicv2154,42e,,10256 lvi
Misc   : WG1454233,,
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:25:08 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 16:49:39 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
31	l9	1268-3	250.000	0.000	100.0#	0	-3.60#
32	l9	1268-4	250.000	0.000	100.0#	0	-3.79#
33	l9	1268-5	250.000	0.000	100.0#	0	-3.95#
35	l7	1248-1	250.000	0.000	100.0#	0	-1.93#
36	l7	1248-2	250.000	0.000	100.0#	0	-2.07#
37	l7	1248-3	250.000	0.000	100.0#	0	-2.17#
38	l7	1248-4	250.000	0.000	100.0#	0	-2.35#
39	l7	1248-5	250.000	0.000	100.0#	0	-2.36#
41	l5	1232-1	250.000	0.000	100.0#	0	-1.61#
42	l5	1232-2	250.000	0.000	100.0#	0	-1.75#
43	l5	1232-3	250.000	0.000	100.0#	0	-1.94#
44	l5	1232-4	250.000	0.000	100.0#	0	-1.99#
45	l5	1232-5	250.000	0.000	100.0#	0	-2.35#
46	l8	1262-1	250.000	0.000	100.0#	0	-2.84#
47	l8	1262-2	250.000	0.000	100.0#	0	-3.04#
48	l8	1262-3	250.000	0.000	100.0#	0	-3.16#
49	l8	1262-4	250.000	0.000	100.0#	0	-3.32#
50	l8	1262-5	250.000	0.000	100.0#	0	-3.79#

Signal #2

4	l1	1016-1	250.000	0.000	100.0#	0	-1.83#
5	l1	1016-2	250.000	0.000	100.0#	0	-2.00#
6	l1	1016-3	250.000	0.000	100.0#	0	-2.21#
7	l1	1016-4	250.000	0.000	100.0#	0	-2.27#
8	l1	1016-5	250.000	0.000	100.0#	0	-2.48#
9	l2	1260-1	250.000	0.000	100.0#	0	-3.10#
10	l2	1260-2	250.000	0.000	100.0#	0	-3.20#
11	l2	1260-3	250.000	0.000	100.0#	0	-3.60#
12	l2	1260-4	250.000	0.000	100.0#	0	-3.73#
13	l2	1260-5	250.000	0.000	100.0#	0	-3.93#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jan 2021   4:47 pm
Operator : pest2:kb
Sample   : cicv2154,42e,,10256 lvi
Misc   : WG1454233,,
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:25:08 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 16:49:39 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
24 l6	1242-1	250.000	0.000	100.0#	0	-1.83#
25 l6	1242-2	250.000	0.000	100.0#	0	-2.00#
26 l6	1242-3	250.000	0.000	100.0#	0	-2.21#
27 l6	1242-4	250.000	0.000	100.0#	0	-2.27#
28 l6	1242-5	250.000	0.000	100.0#	0	-2.66#
29 l9	1268-1	250.000	0.000	100.0#	0	-3.92#
30 l9	1268-2	250.000	0.000	100.0#	0	-3.95#
31 l9	1268-3	250.000	0.000	100.0#	0	-4.09#
32 l9	1268-4	250.000	0.000	100.0#	0	-4.25#
33 l9	1268-5	250.000	0.000	100.0#	0	-4.43#
35 l7	1248-1	250.000	0.000	100.0#	0	-2.20#
36 l7	1248-2	250.000	0.000	100.0#	0	-2.36#
37 l7	1248-3	250.000	0.000	100.0#	0	-2.48#
38 l7	1248-4	250.000	0.000	100.0#	0	-2.66#
39 l7	1248-5	250.000	0.000	100.0#	0	-2.68#
41 l5	1232-1	250.000	0.000	100.0#	0	-1.83#
42 l5	1232-2	250.000	0.000	100.0#	0	-2.00#
43 l5	1232-3	250.000	0.000	100.0#	0	-2.21#
44 l5	1232-4	250.000	0.000	100.0#	0	-2.27#
45 l5	1232-5	250.000	0.000	100.0#	0	-2.66#
46 l8	1262-1	250.000	0.000	100.0#	0	-3.20#
47 l8	1262-2	250.000	0.000	100.0#	0	-3.44#
48 l8	1262-3	250.000	0.000	100.0#	0	-3.60#
49 l8	1262-4	250.000	0.000	100.0#	0	-3.73#
50 l8	1262-5	250.000	0.000	100.0#	0	-4.25#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:47 pm
Operator : pest2:kb
Sample : cicv2154,42e,,10256 lvi
Misc : WG1454233,,
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:25:08 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 16:49:39 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.178	1.247	208.1E6	55422540	25.000	25.000
14) i	2154_1br2nb	1.178	1.247	208.1E6	55422540	25.000	25.000
23) i	4268_1br2nb	1.178	1.247	208.1E6	55422540	25.000	25.000
34) i	1248_1br2nb	1.178	1.247	208.1E6	55422540	25.000	25.000
40) i	3262_1br2nb	1.178	1.247	208.1E6	55422540	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.466	1.628	157.0E6	39150326	16.927	15.283
Spiked Amount	20.000	Range 30 - 150		Recovery =		84.63%	76.42%
3) s	Decachlorobi	4.052	4.583	240.8E6	58494262	29.276	27.524
Spiked Amount	20.000	Range 30 - 150		Recovery =		146.38%	137.62%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	1.529	1.745	22125469	6793336	243.181	247.115
16) l3	1221-3	1.588	1.805	13720487	4693130	242.337M3	261.748
17) l3	1221-4	1.605	1.832	56646765	16043393	246.251M3	242.580

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:47 pm
Operator : pest2:kb
Sample : cicv2154,42e,,10256 lvi
Misc : WG1454233,,
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:25:08 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 16:49:39 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			92492722	27529858	731.768	751.442
Average	1221-2					243.923	250.481
18) l4	1254-1	2.330	2.683	83452410	26948255	269.721M3	271.188
19) l4	1254-2	2.443	2.771	159.6E6	34706828	268.325M3	253.349
20) l4	1254-3	2.628	3.003	158.1E6	46519482	278.739M3	264.806
21) l4	1254-4	2.758	3.114	122.5E6	31915432	274.644	262.034
22) l4	1254-5	2.982	3.393	167.5E6	41708254	255.033	247.425
Sum	1254-1			691.1E6	181.8E6	1346.461	1298.801
Average	1254-1					269.292	259.760
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:47 pm
Operator : pest2:kb
Sample : cicv2154,42e,,10256 lvi
Misc : WG1454233,,
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:25:08 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 16:49:39 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

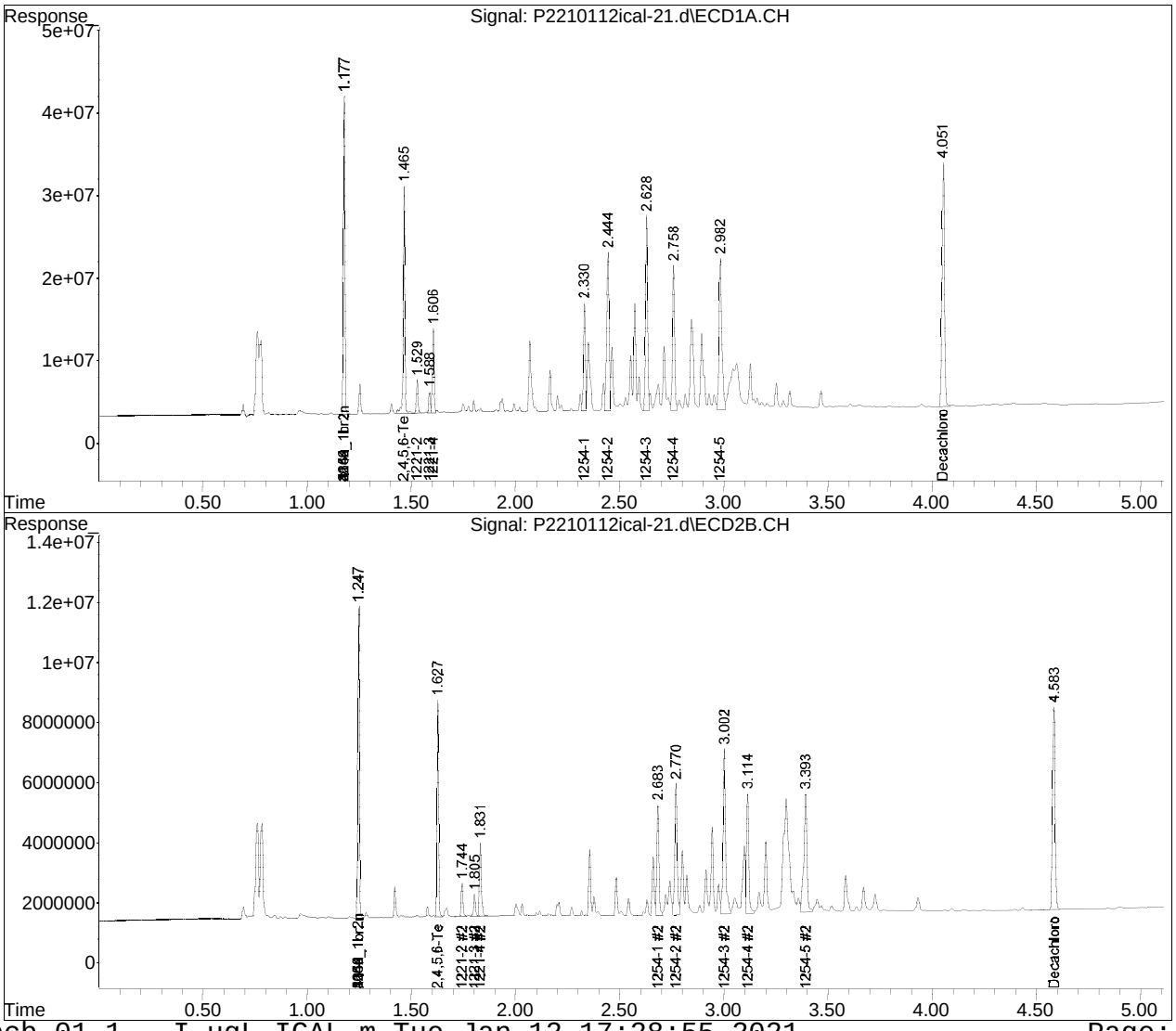
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210112ICAL\
Data File : P2210112ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jan 2021 4:47 pm
Operator : pest2:kb
Sample : cicv2154,42e,,10256 lvi
Misc : WG1454233,,
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 12 17:25:08 2021
Quant Method : I:\PCB\Pest2\2021\210112ICAL\P2_pcb_01_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Jan 12 16:49:39 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

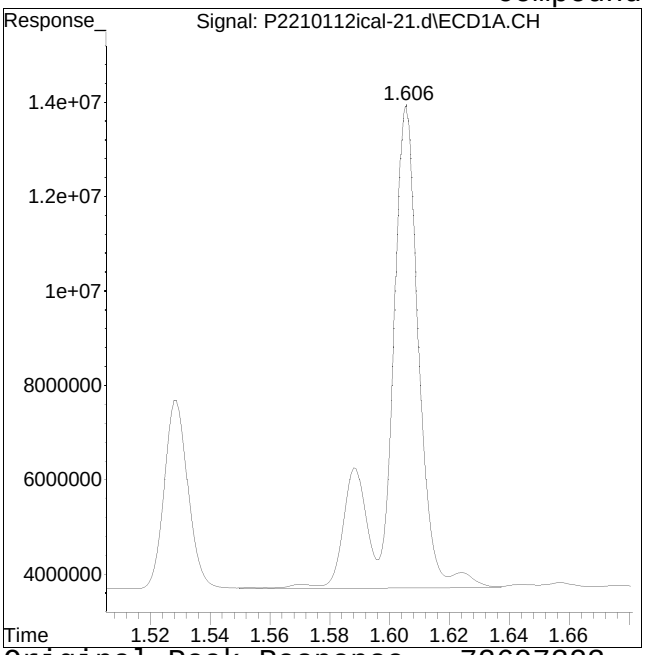
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

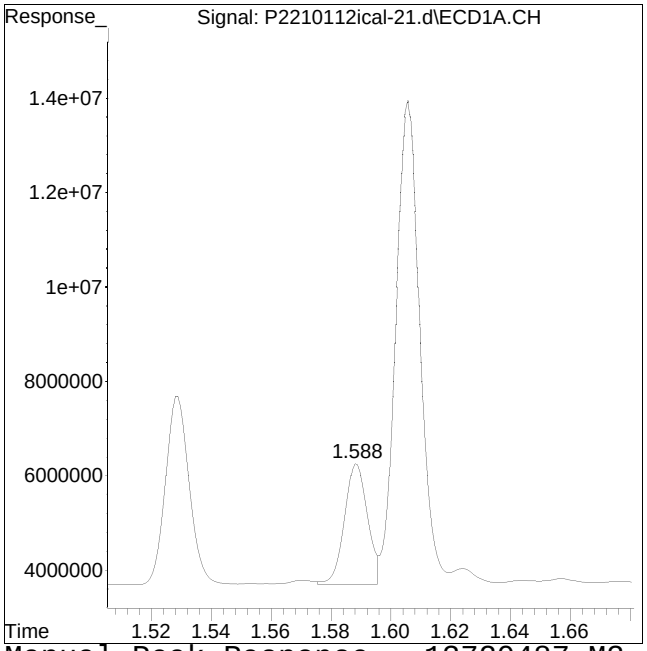


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-21.d Operator : pest2:kb
Date Inj'd : 1/12/2021 4:47 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 1/12/2021 5:22 pm

Compound #16: 1221-3



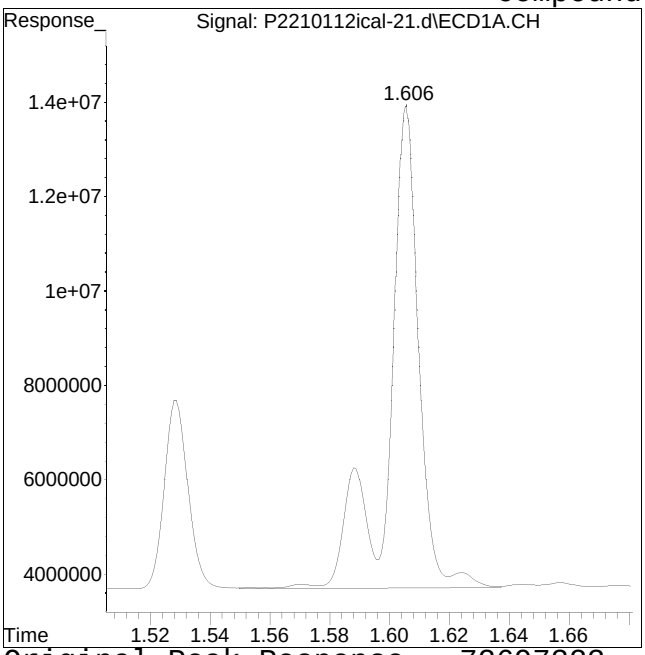


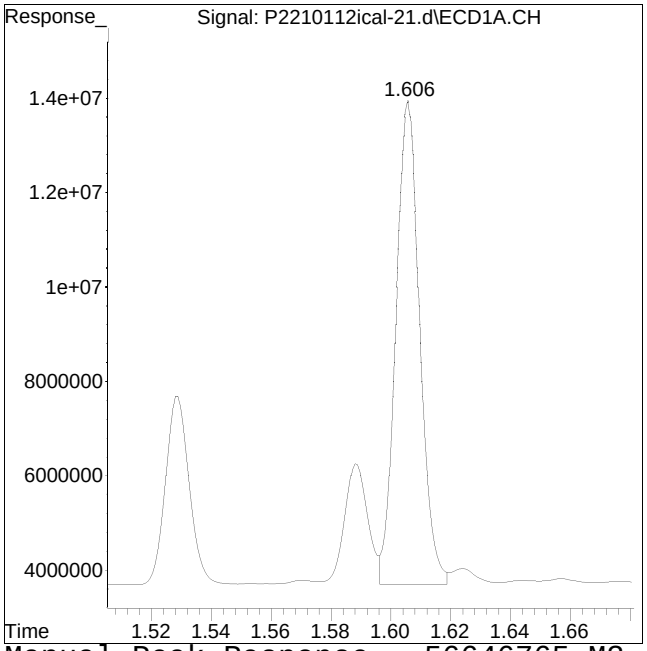
Original Peak Response = 72697323 Manual Peak Response = 13720487 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-21.d Operator : pest2:kb
Date Inj'd : 1/12/2021 4:47 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 1/12/2021 5:22 pm

Compound #17: 1221-4



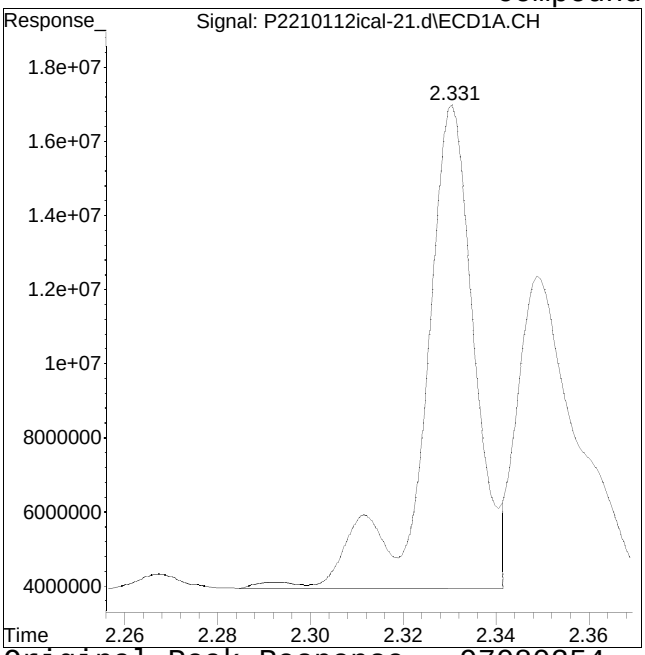


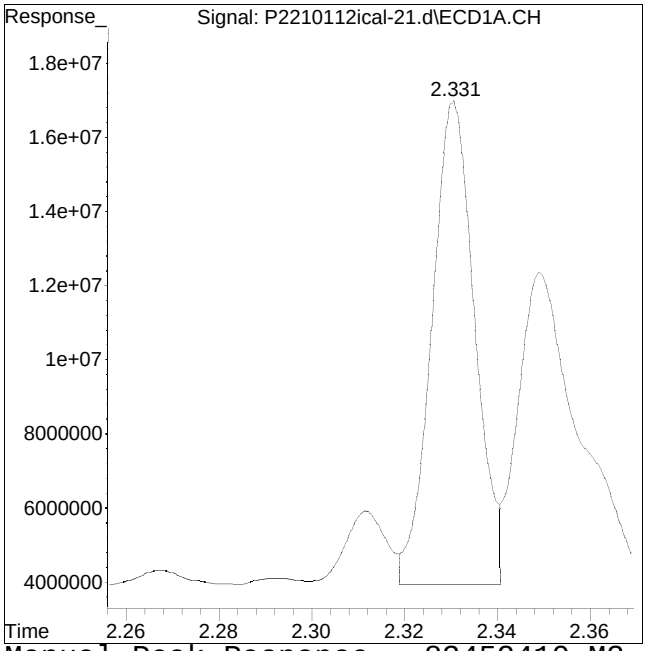
Original Peak Response = 72697323 Manual Peak Response = 56646765 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-21.d Operator : pest2:kb
Date Inj'd : 1/12/2021 4:47 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 1/12/2021 5:22 pm

Compound #18: 1254-1



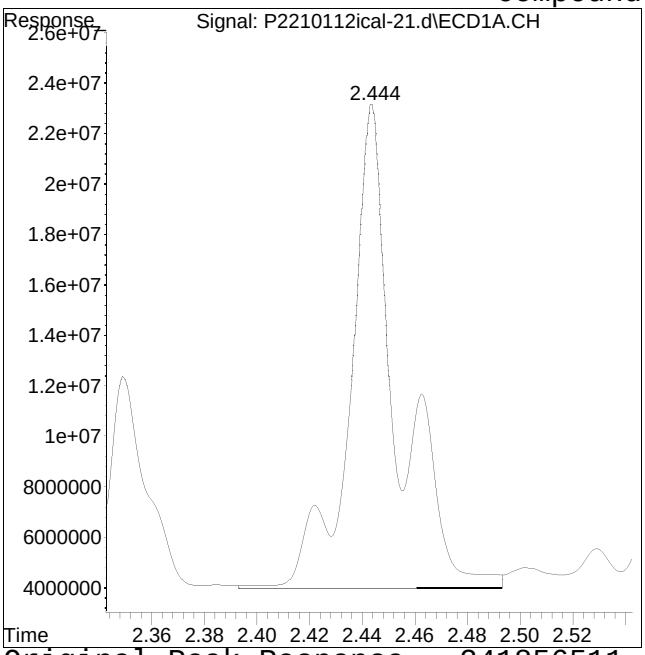


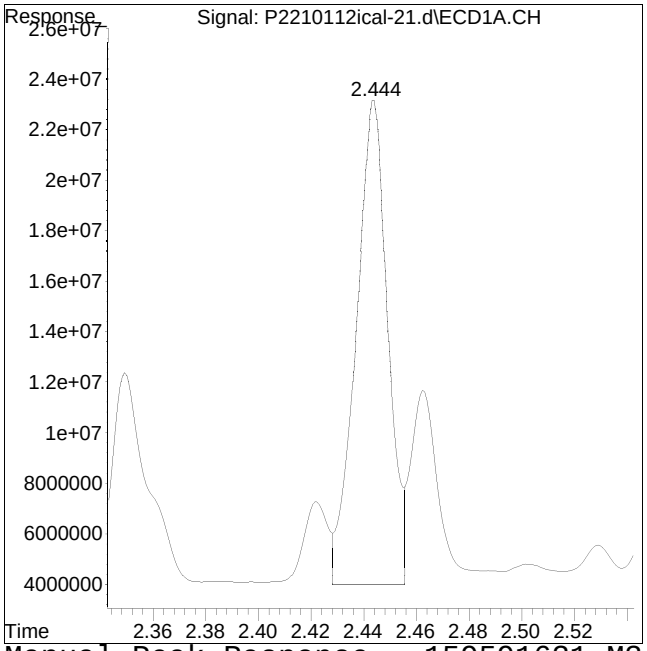
Original Peak Response = 97080254 Manual Peak Response = 83452410 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-21.d Operator : pest2:kb
Date Inj'd : 1/12/2021 4:47 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 1/12/2021 5:22 pm

Compound #19: 1254-2



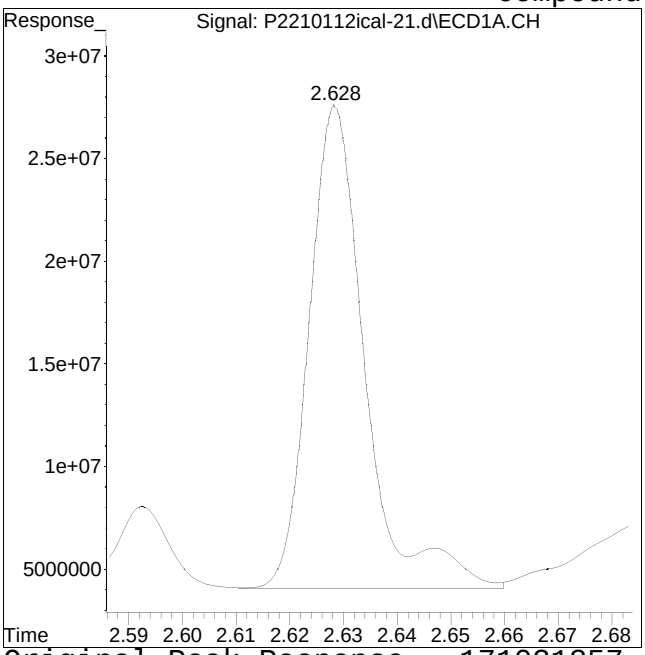


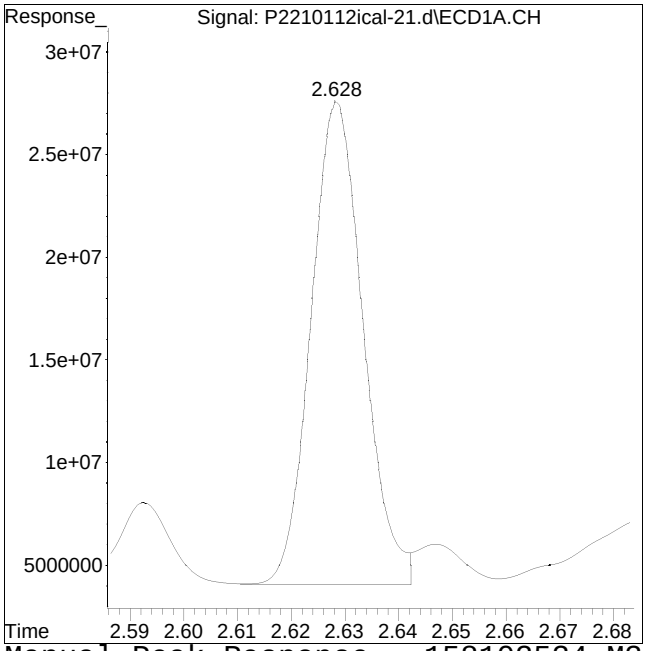
Original Peak Response = 241856511 Manual Peak Response = 159591631 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210112ICQMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210112ical-21.d Operator : pest2:kb
Date Inj'd : 1/12/2021 4:47 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 1/12/2021 5:22 pm

Compound #20: 1254-3





Original Peak Response = 171031357 Manual Peak Response = 158103534 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Response Factor Report PEST 2

Method Path : I:\PCB\Pest2\2021\210312ical\
Method File : P2_pcb_03_12_21_LVI_ugL_ICAL.m
Title : pcb
Last Update : Fri Mar 12 18:52:37 2021
Response Via : Initial Calibration

Calibration Files
1 =P2210312ical-04.d 2 =P2210312ical-05.d 3 =P2210312ical-06.d 4 =P2210312ical-12.d
5 =P2210312ical-08.d 6 =P2210312ical-09.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra...	1.345	1.166	1.104	1.410	1.119	1.122	1.211	10.92
3)	s	Decachlorobip...	1.140	1.095	1.059	1.242	0.974	0.959	1.078	9.83
4)	l1	1016-1	0.021	0.020	0.019	0.024	0.020	0.020	0.021	8.73
5)	l1	1016-2	0.046	0.045	0.044	0.044	0.041	0.041	0.043	4.49
6)	l1	1016-3	0.087	0.091	0.089	0.114	0.092	0.092	0.094	10.28
7)	l1	1016-4	0.034	0.034	0.035	0.045	0.037	0.039	0.037	10.71
8)	l1	1016-5	0.039	0.040	0.039	0.050	0.039	0.040	0.041	9.95
9)	l2	1260-1	0.053	0.062	0.059	0.080	0.061	0.062	0.063	14.39
10)	l2	1260-2	0.087	0.093	0.088	0.113	0.090	0.092	0.094	10.51
11)	l2	1260-3	0.053	0.055	0.053	0.072	0.057	0.058	0.058	12.67
12)	l2	1260-4	0.130	0.131	0.123	0.152	0.126	0.128	0.132	7.80
13)	l2	1260-5	0.107	0.096	0.090	0.117	0.090	0.092	0.099	10.99
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2				0.012			0.012	0.00
16)	l3	1221-3				0.007			0.007	0.00
17)	l3	1221-4				0.029			0.029	0.00
18)	l4	1254-1				0.038			0.038	0.00
19)	l4	1254-2				0.068			0.068	0.00
20)	l4	1254-3				0.071			0.071	0.00
21)	l4	1254-4				0.055			0.055	0.00
22)	l4	1254-5				0.076			0.076	0.00
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1				0.017			0.017	0.00
25)	l6	1242-2				0.034			0.034	0.00
26)	l6	1242-3				0.079			0.079	0.00
27)	l6	1242-4				0.032			0.032	0.00
28)	l6	1242-5				0.027			0.027	0.00
29)	l9	1268-1				0.186			0.186	0.00

Method Path : I:\PCB\Pest2\2021\210312ical\
Method File : P2_pcb_03_12_21_LVI_ugL_ICAL.m
Title : pcb
Last Update : Fri Mar 12 18:52:37 2021
Response Via : Initial Calibration

Calibration Files
1 =P2210312ical-04.d 2 =P2210312ical-05.d 3 =P2210312ical-06.d 4 =P2210312ical-12.d
5 =P2210312ical-08.d 6 =P2210312ical-09.d

	Compound	1	2	3	4	5	6	Avg	%RSD
30) l9	1268-2				0.176			0.176	0.00
31) l9	1268-3				0.131			0.131	0.00
32) l9	1268-4				0.063			0.063	0.00
33) l9	1268-5				0.400			0.400	0.00
34) i	1248_1br2nb	----------ISTD----------							
35) l7	1248-1				0.052			0.052	0.00
36) l7	1248-2				0.060			0.060	0.00
37) l7	1248-3				0.054			0.054	0.00
38) l7	1248-4				0.046			0.046	0.00
39) l7	1248-5				0.040			0.040	0.00
40) i	3262_1br2nb	----------ISTD----------							
41) l5	1232-1				0.022			0.022	0.00
42) l5	1232-2				0.020			0.020	0.00
43) l5	1232-3				0.044			0.044	0.00
44) l5	1232-4				0.020			0.020	0.00
45) l5	1232-5				0.012			0.012	0.00
46) l8	1262-1				0.063			0.063	0.00
47) l8	1262-2				0.082			0.082	0.00
48) l8	1262-3				0.068			0.068	0.00
49) l8	1262-4				0.141			0.141	0.00
50) l8	1262-5				0.048			0.048	0.00

Signal #2 Calibration Files
1 =P2210312ical-04.d 2 =P2210312ical-05.d 3 =P2210312ical-06.d 4 =P2210312ical-12.d
5 =P2210312ical-08.d 6 =P2210312ical-09.d

	Compound	1	2	3	4	5	6	Avg	%RSD
1) i	1660_1br2nb	----------ISTD----------							
2) s	2,4,5,6-Tetra...	1.074	1.155	1.138	1.132	1.135	1.139	1.129	2.48

Response Factor Report PEST 2

Method Path : I:\PCB\Pest2\2021\210312ical\
Method File : P2_pcb_03_12_21_LVI_ugL_ICAL.m
Title : pcb
Last Update : Fri Mar 12 18:52:37 2021
Response Via : Initial Calibration

Calibration Files
1 =P2210312ical-04.d 2 =P2210312ical-05.d 3 =P2210312ical-06.d 4 =P2210312ical-12.d
5 =P2210312ical-08.d 6 =P2210312ical-09.d

		Compound	1	2	3	4	5	6	Avg	%RSD
3)	s	Decachlorobip...	1.205	0.960	0.900	0.866	0.862	0.876	0.945	14.03
4)	l1	1016-1	0.022	0.022	0.022	0.021	0.021	0.020	0.021	3.65
5)	l1	1016-2	0.041	0.049	0.046	0.045	0.046	0.046	0.045	5.74
6)	l1	1016-3	0.097	0.101	0.094	0.091	0.093	0.093	0.095	3.91
7)	l1	1016-4	0.040	0.040	0.038	0.036	0.037	0.037	0.038	4.09
8)	l1	1016-5	0.035	0.034	0.032	0.030	0.030	0.030	0.032	7.38
9)	l2	1260-1	0.069	0.066	0.060	0.058	0.060	0.061	0.062	6.49
10)	l2	1260-2	0.077	0.080	0.072	0.070	0.070	0.072	0.074	5.27
11)	l2	1260-3	0.079	0.068	0.061	0.058	0.059	0.060	0.064	12.41
12)	l2	1260-4	0.135	0.127	0.120	0.119	0.121	0.124	0.124	4.84
13)	l2	1260-5	0.096	0.094	0.091	0.085	0.086	0.089	0.090	4.82
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2				0.012			0.012	0.00
16)	l3	1221-3				0.008			0.008	0.00
17)	l3	1221-4				0.029			0.029	0.00
18)	l4	1254-1				0.043			0.043	0.00
19)	l4	1254-2				0.055			0.055	0.00
20)	l4	1254-3				0.078			0.078	0.00
21)	l4	1254-4				0.055			0.055	0.00
22)	l4	1254-5				0.073			0.073	0.00
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1				0.016			0.016	0.00
25)	l6	1242-2				0.037			0.037	0.00
26)	l6	1242-3				0.074			0.074	0.00
27)	l6	1242-4				0.030			0.030	0.00
28)	l6	1242-5				0.027			0.027	0.00
29)	l9	1268-1				0.166			0.166	0.00
30)	l9	1268-2				0.158			0.158	0.00
31)	l9	1268-3				0.117			0.117	0.00
32)	l9	1268-4				0.052			0.052	0.00
33)	l9	1268-5				0.335			0.335	0.00

Response Factor Report PEST 2

Method Path : I:\PCB\Pest2\2021\210312ical\
Method File : P2_pcb_03_12_21_LVI_ugL_ICAL.m
Title : pcb
Last Update : Fri Mar 12 18:52:37 2021
Response Via : Initial Calibration

Calibration Files
1 =P2210312ical-04.d 2 =P2210312ical-05.d 3 =P2210312ical-06.d 4 =P2210312ical-12.d
5 =P2210312ical-08.d 6 =P2210312ical-09.d

		Compound	1	2	3	4	5	6	Avg	%RSD
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1				0.047			0.047	0.00
36)	l7	1248-2				0.031			0.031	0.00
37)	l7	1248-3				0.038			0.038	0.00
38)	l7	1248-4				0.044			0.044	0.00
39)	l7	1248-5				0.050			0.050	0.00
40)	i	3262_1br2nb	----------ISTD----------							
41)	l5	1232-1				0.023			0.023	0.00
42)	l5	1232-2				0.025			0.025	0.00
43)	l5	1232-3				0.043			0.043	0.00
44)	l5	1232-4				0.017			0.017	0.00
45)	l5	1232-5				0.014			0.014	0.00
46)	l8	1262-1				0.056			0.056	0.00
47)	l8	1262-2				0.073			0.073	0.00
48)	l8	1262-3				0.071			0.071	0.00
49)	l8	1262-4				0.133			0.133	0.00
50)	l8	1262-5				0.047			0.047	0.00

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:35 pm
Operator : pest2:kb
Sample : il11660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:21:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:17:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.151	1.222	207.1E6	63815190	25.000M4	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.441	1.603	7130036	1754827	0.727	0.603
	Spiked Amount 20.000	Range 30 - 150		Recovery =		3.64%#	3.02%#
3) s	Decachlorobi	4.021	4.552	11899500	3876111	1.348M4	1.701
	Spiked Amount 20.000	Range 30 - 150		Recovery =		6.74%#	8.51%#
	Target Compounds						
4) l1	1016-1	1.582	1.807	1749368	551969	10.181M4	10.262M4
5) l1	1016-2	1.724	1.981	3824466	1048860	10.775M4	8.872M4
6) l1	1016-3	1.914	2.184	7209876	2483427	9.095M4	10.282
7) l1	1016-4	1.969	2.245	2834230	1008953	8.985M4	10.434
8) l1	1016-5	2.141	2.457	3271156	889776	9.446M4	11.196M4
	Sum 1016-1			18889097	5982985	48.483	51.046
	Average 1016-1					9.697	10.209
9) l2	1260-1	2.686	3.072	4363178	1759008	8.126M4	11.275M4
10) l2	1260-2	2.817	3.172	7214483	1967657	9.153M4	10.580M4
11) l2	1260-3	3.133	3.568	4380057	2017297	8.951M4	12.880M4
12) l2	1260-4	3.289	3.697	10784682	3438881	9.872M4	11.051M4

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:35 pm
Operator : pest2:kb
Sample : il11660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:21:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:17:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) l2	1260-5	3.437	3.901	8876181	2456165	11.042M4	10.811M4
Sum	1260-1			35618581	11639008	NoCal	NoCal D
Average	1260-1					9.429	11.319
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:35 pm
Operator : pest2:kb
Sample : il11660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:21:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:17:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:35 pm
Operator : pest2:kb
Sample : il11660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:21:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:17:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

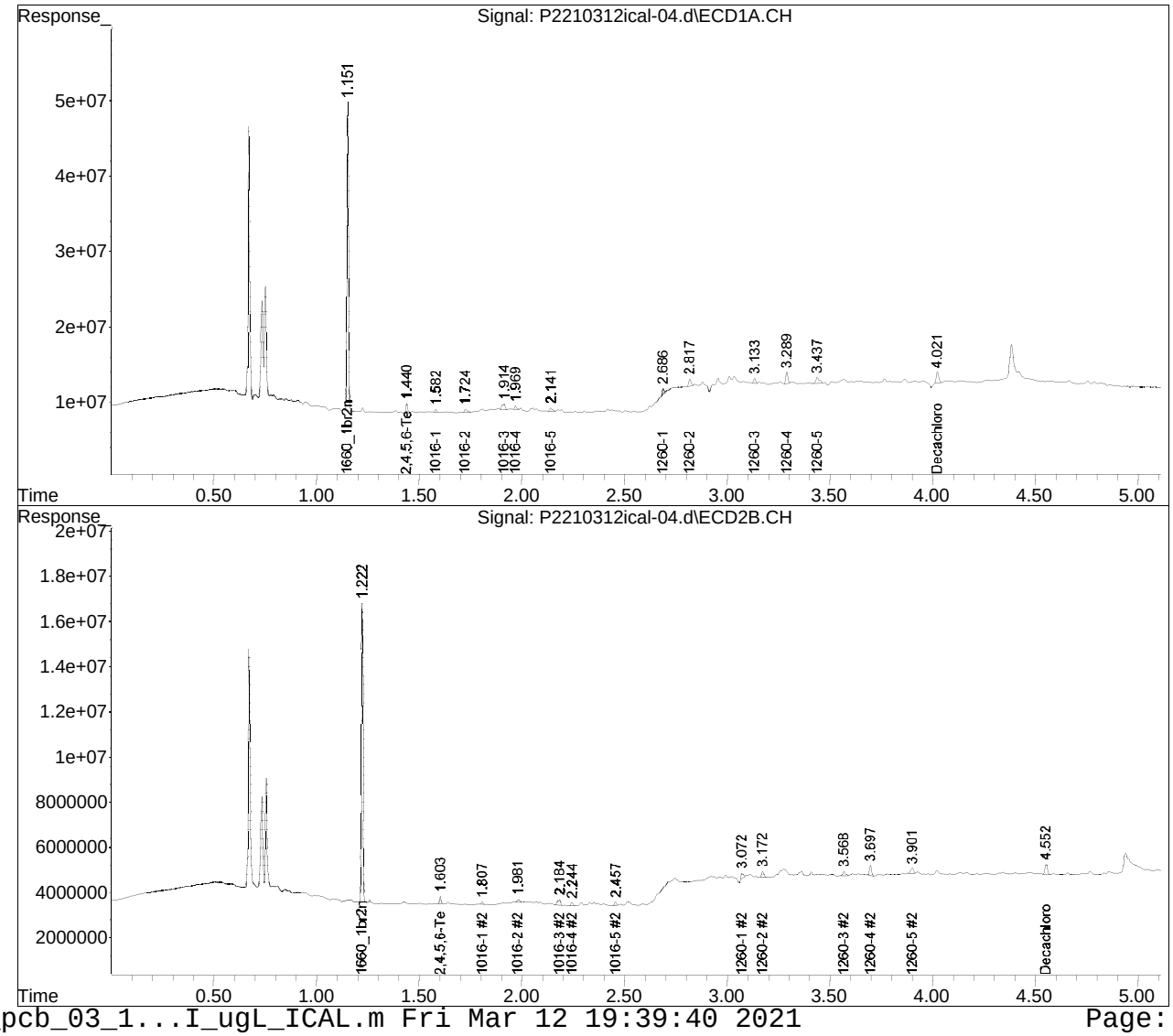
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:35 pm
Operator : pest2:kb
Sample : il11660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:21:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:17:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

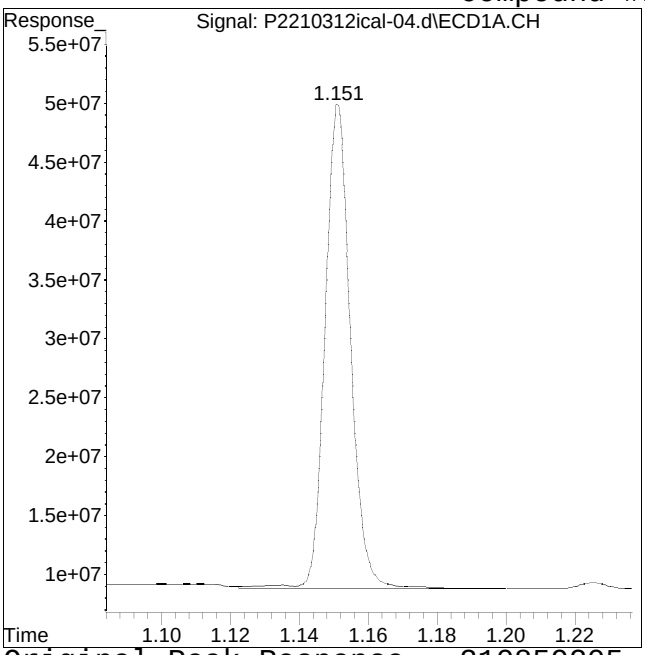
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



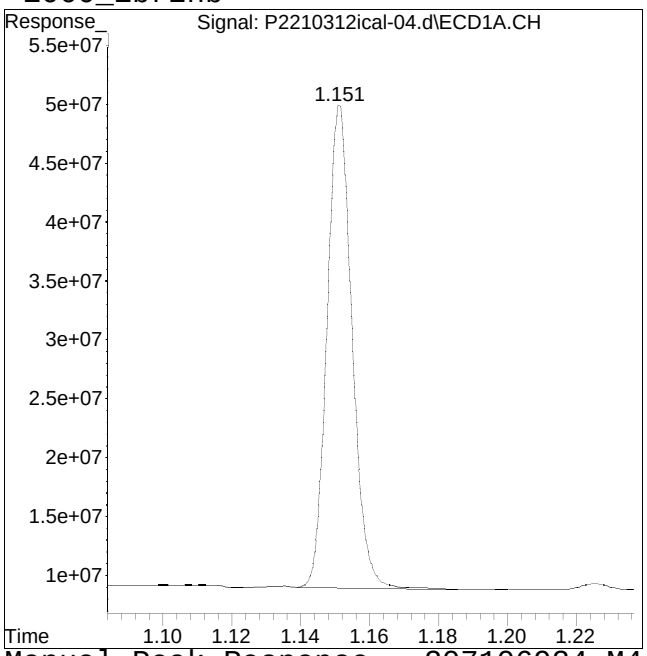
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #1: 1660_1br2nb



Original Peak Response = 210859205



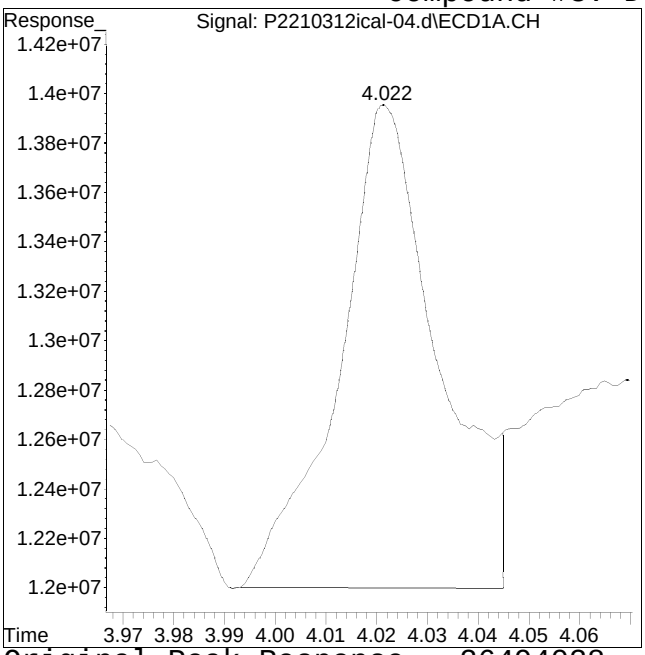
Manual Peak Response = 207106924 M4

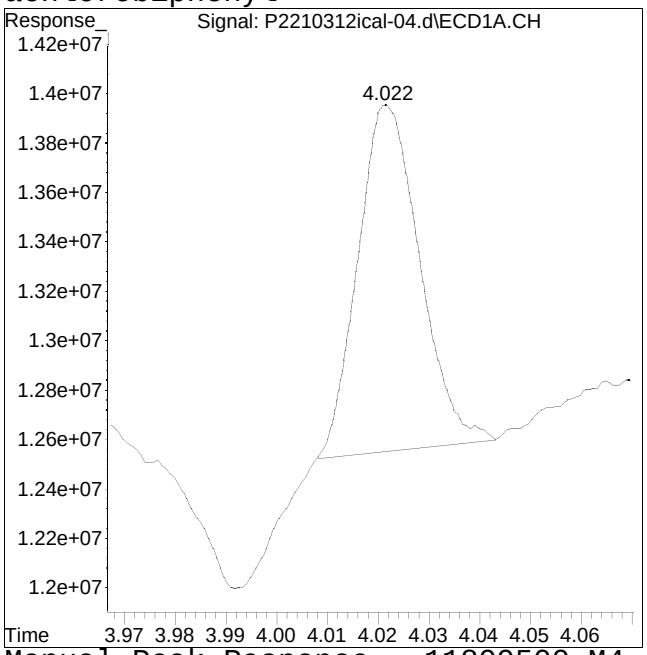
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #3: Decachlorobiphenyl



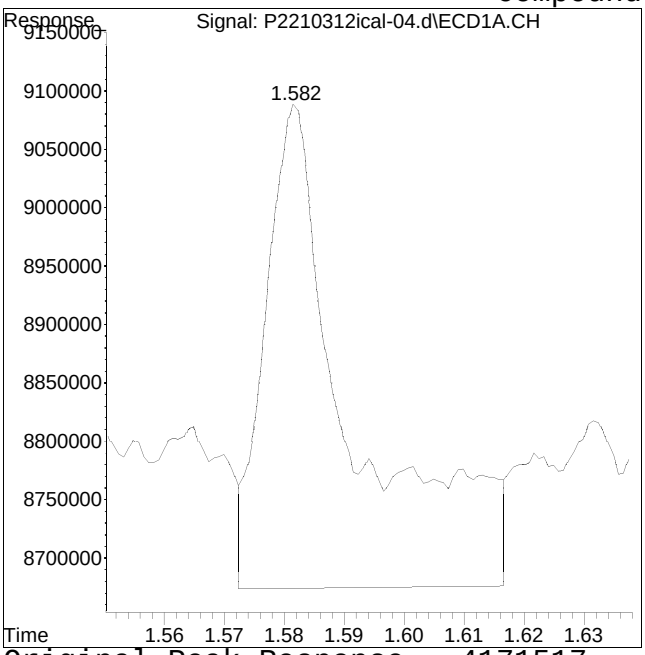


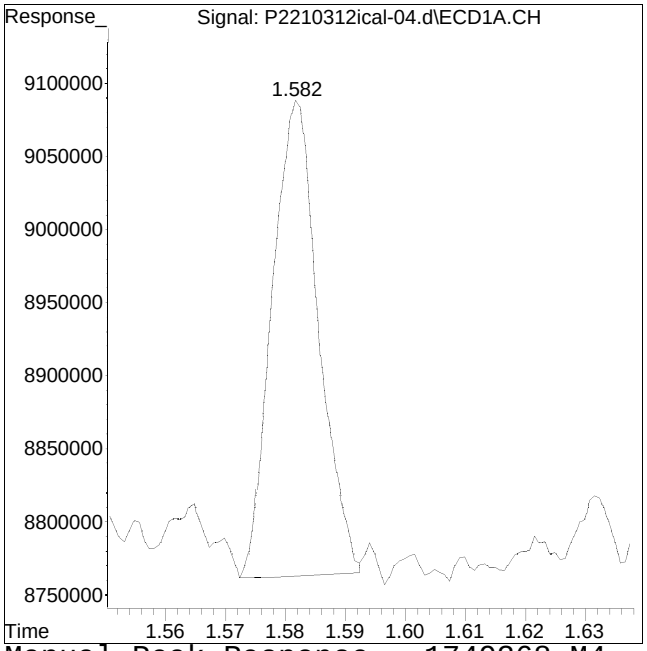
Original Peak Response = 26494038 Manual Peak Response = 11899500 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #4: 1016-1



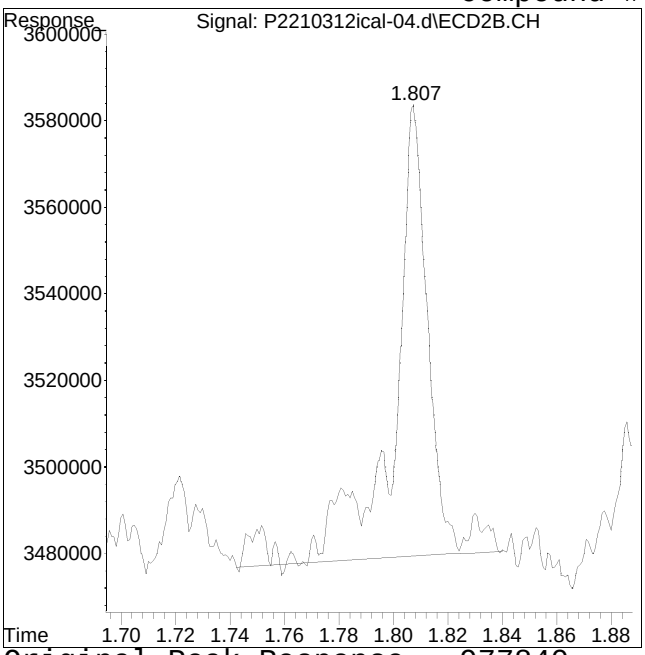


Original Peak Response = 4171517 Manual Peak Response = 1749368 M4
M4 = Poor automated baseline construction.

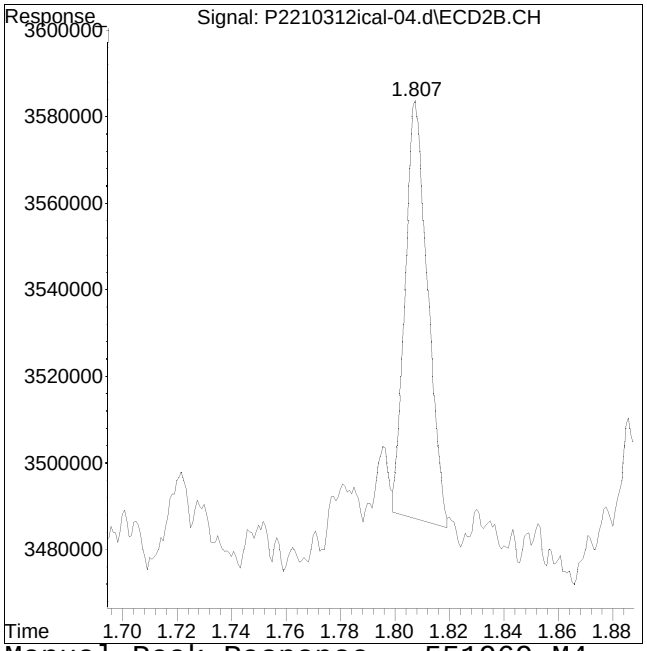
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #55: 1016-1 #2



Original Peak Response = 977840



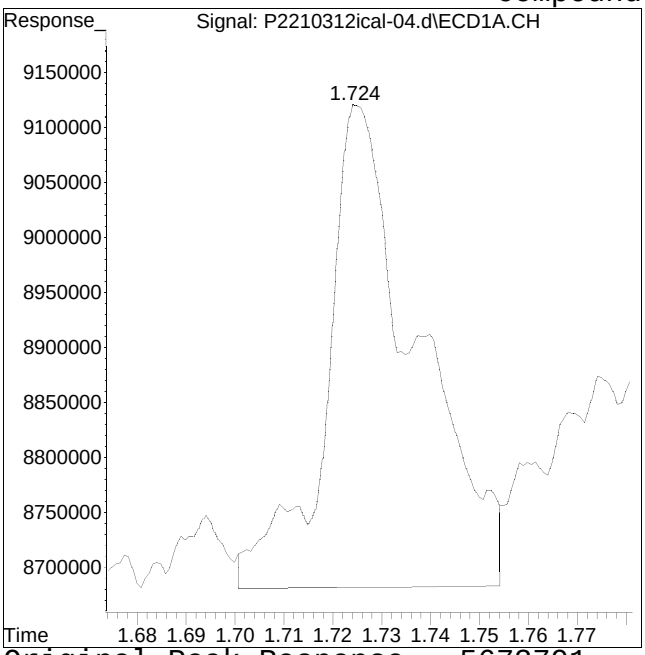
Manual Peak Response = 551969 M4

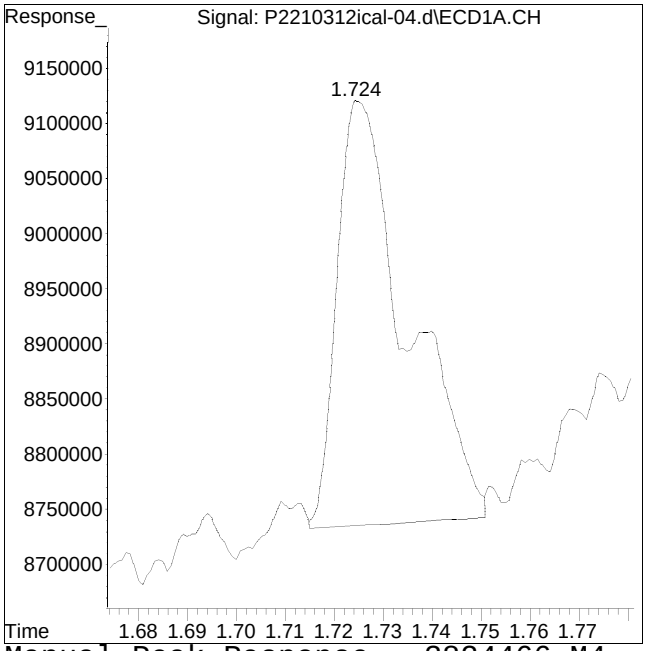
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #5: 1016-2



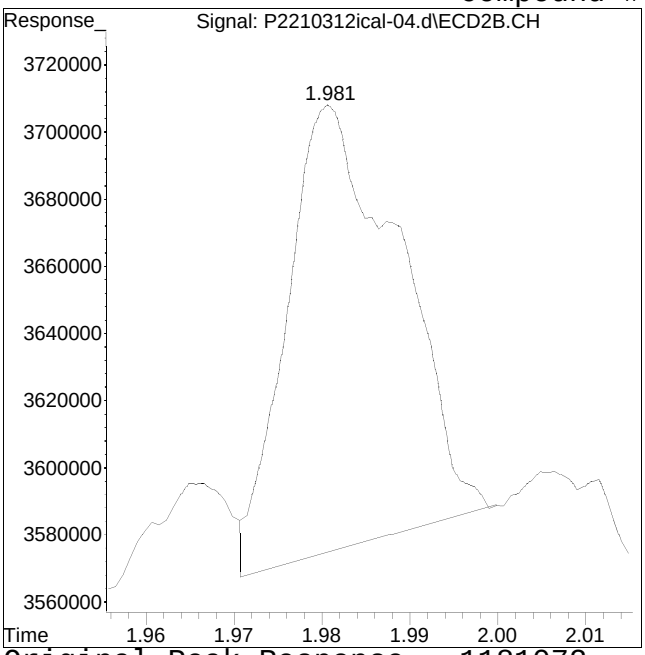


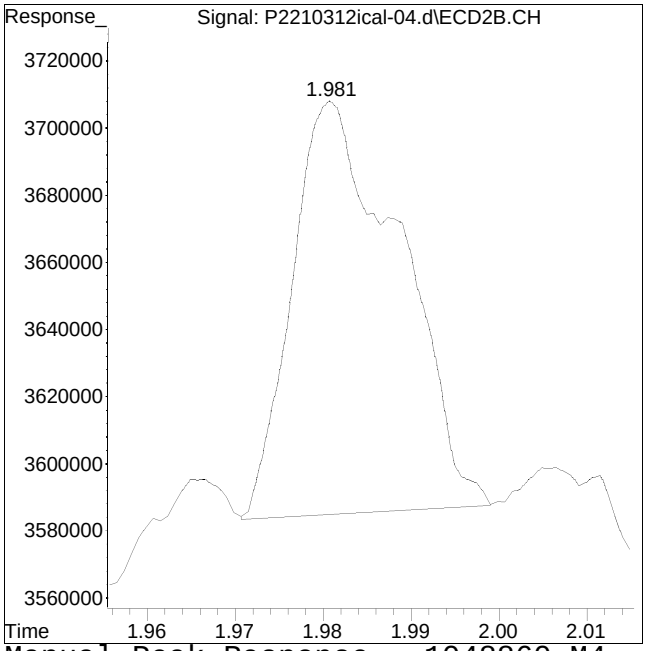
Original Peak Response = 5673791 Manual Peak Response = 3824466 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #56: 1016-2 #2



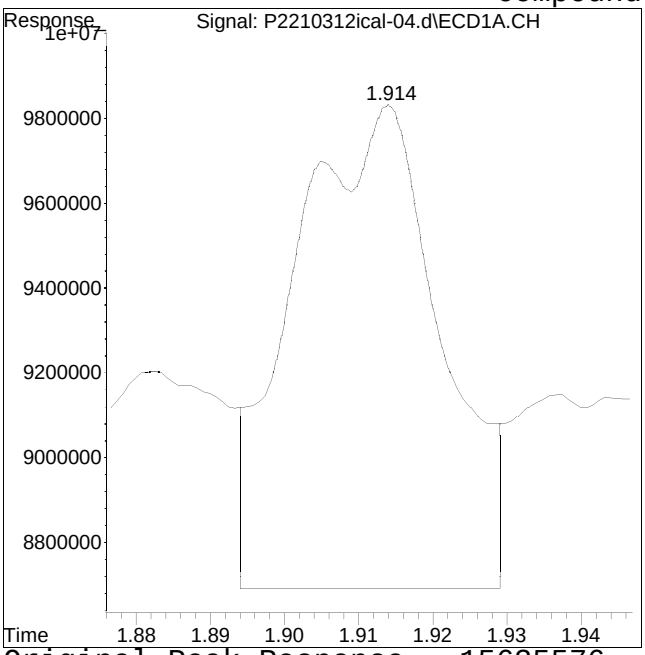


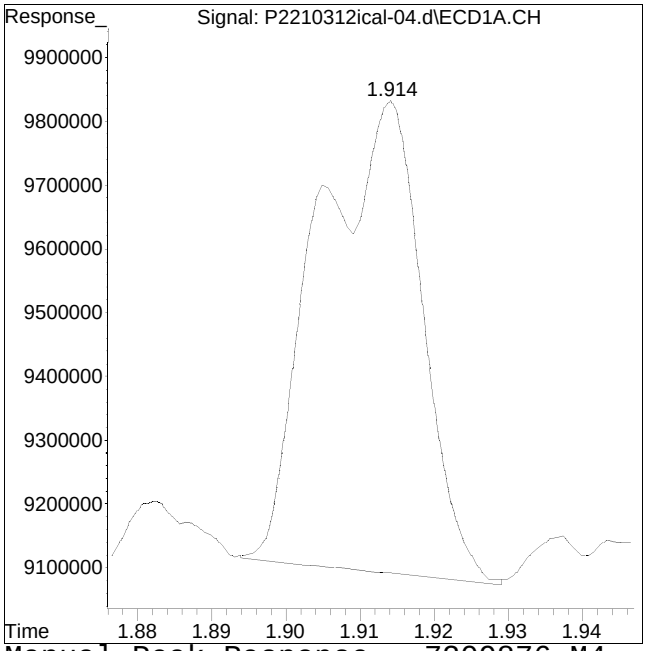
Original Peak Response = 1181072 Manual Peak Response = 1048860 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #6: 1016-3



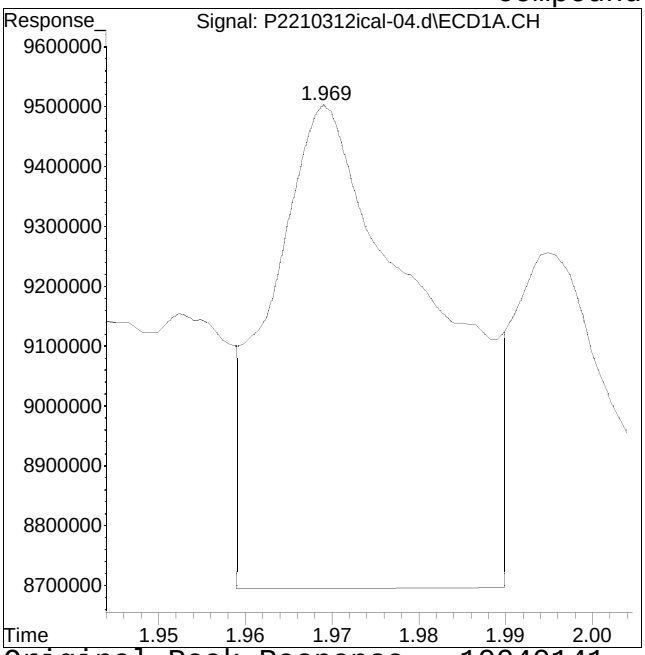


Original Peak Response = 15635576 Manual Peak Response = 7209876 M4
M4 = Poor automated baseline construction.

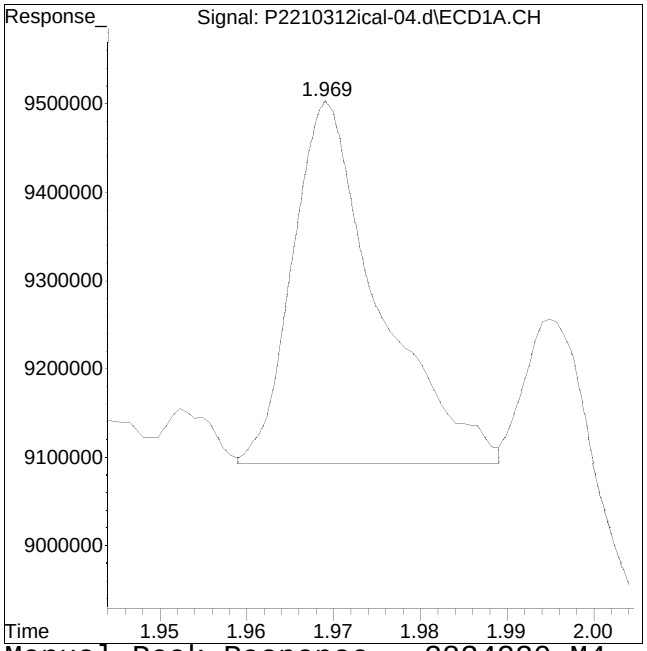
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #7: 1016-4



Original Peak Response = 10040141



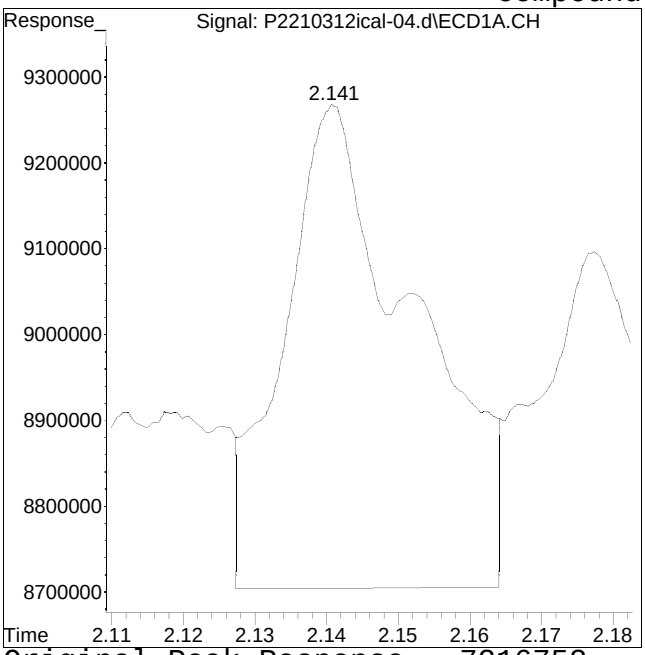
Manual Peak Response = 2834230 M4

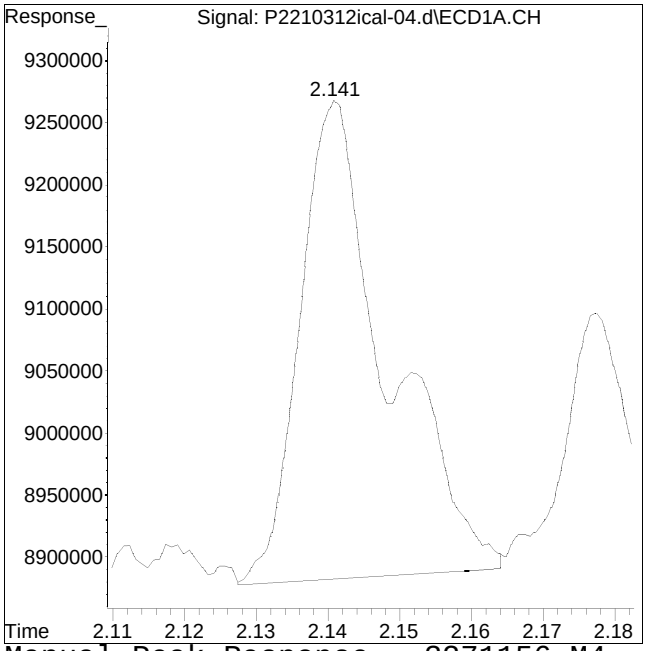
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #8: 1016-5



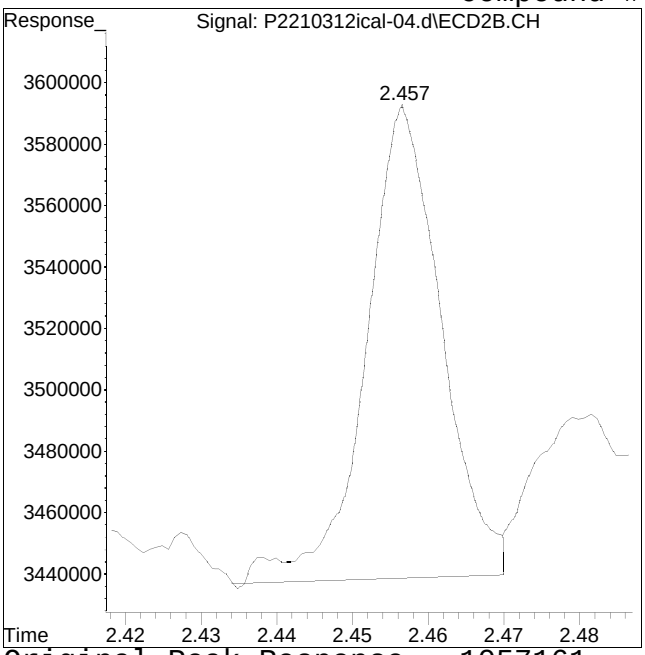


Original Peak Response = 7216752 Manual Peak Response = 3271156 M4
M4 = Poor automated baseline construction.

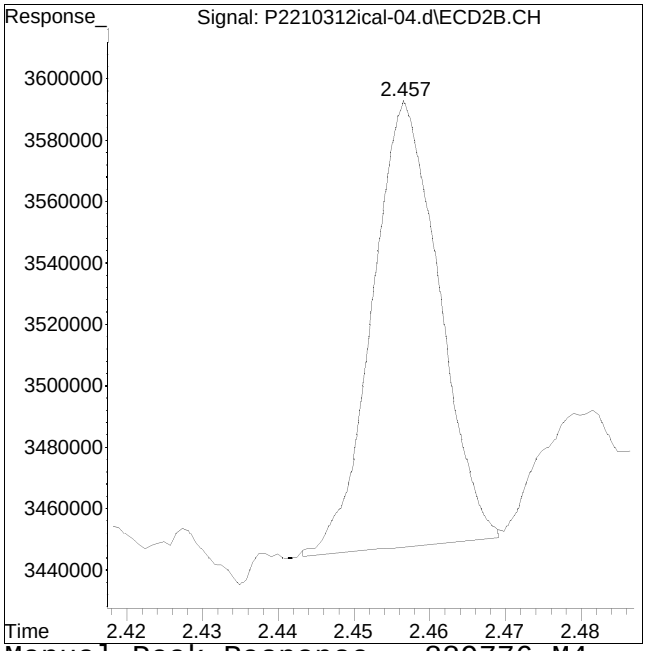
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #59: 1016-5 #2



Original Peak Response = 1057161



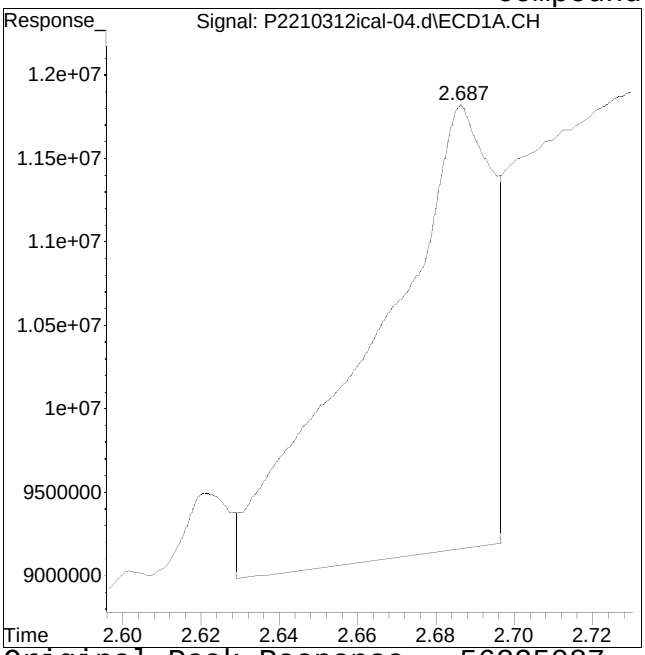
Manual Peak Response = 889776 M4

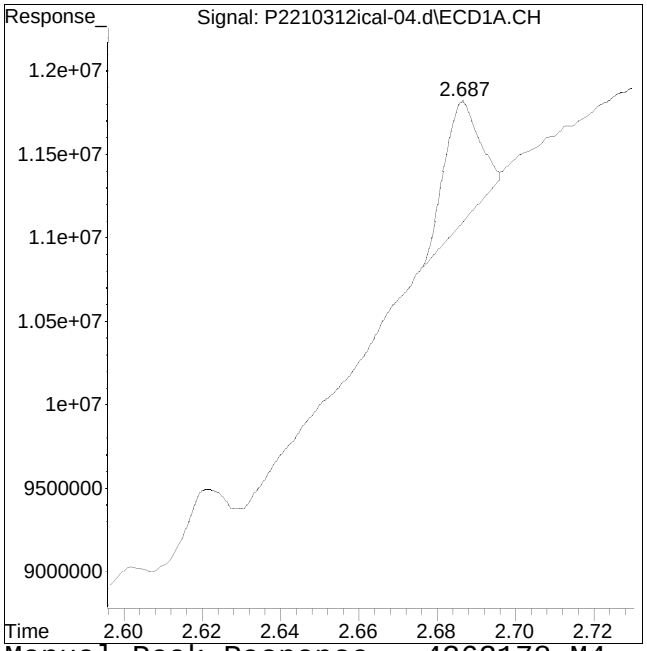
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #9: 1260-1



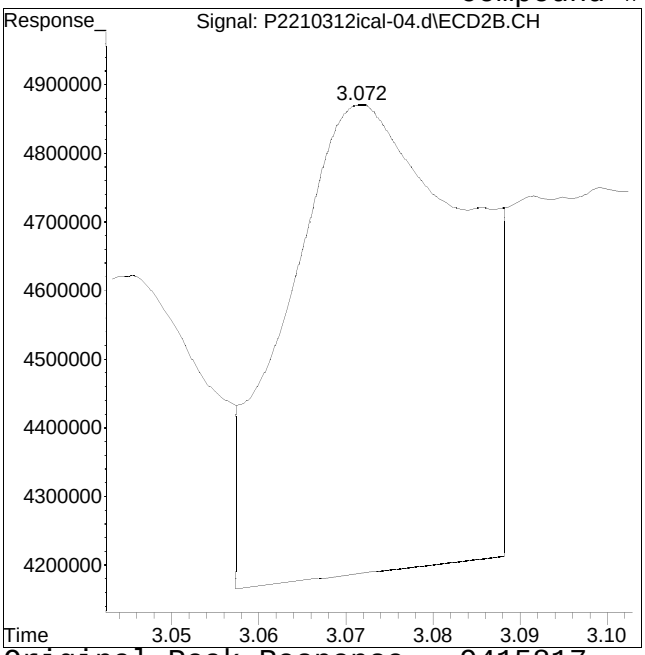


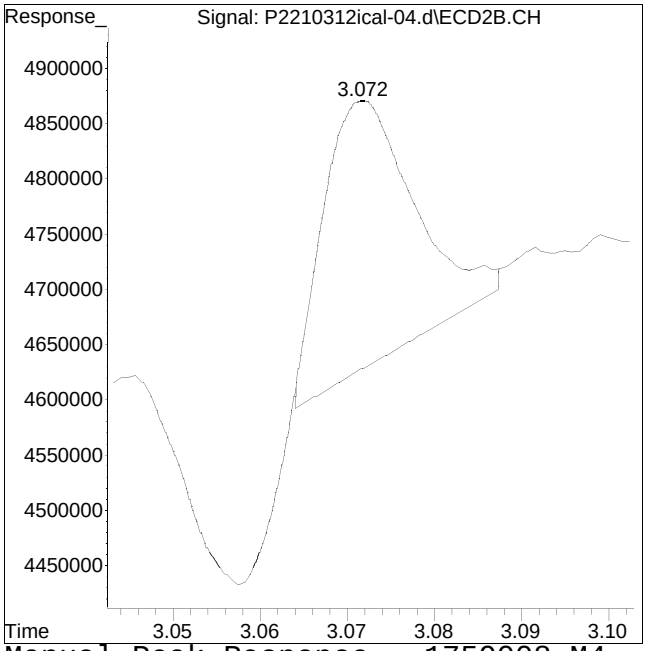
Original Peak Response = 56325087 Manual Peak Response = 4363178 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #60: 1260-1 #2



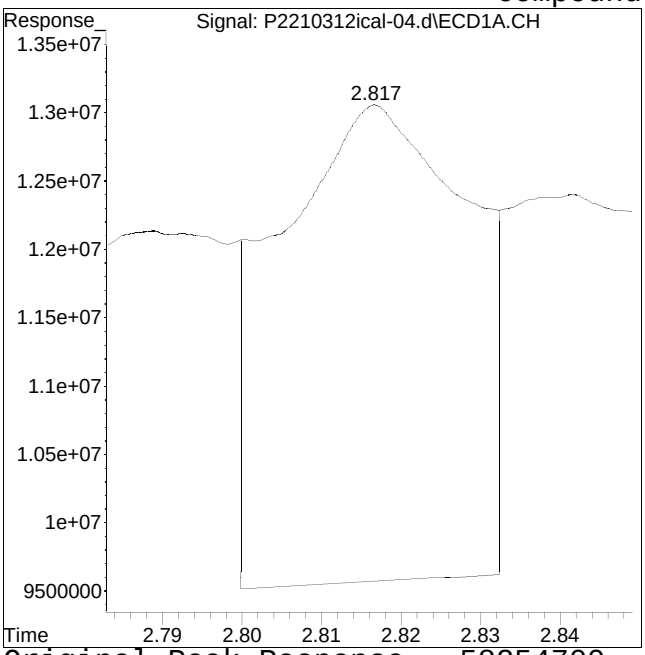


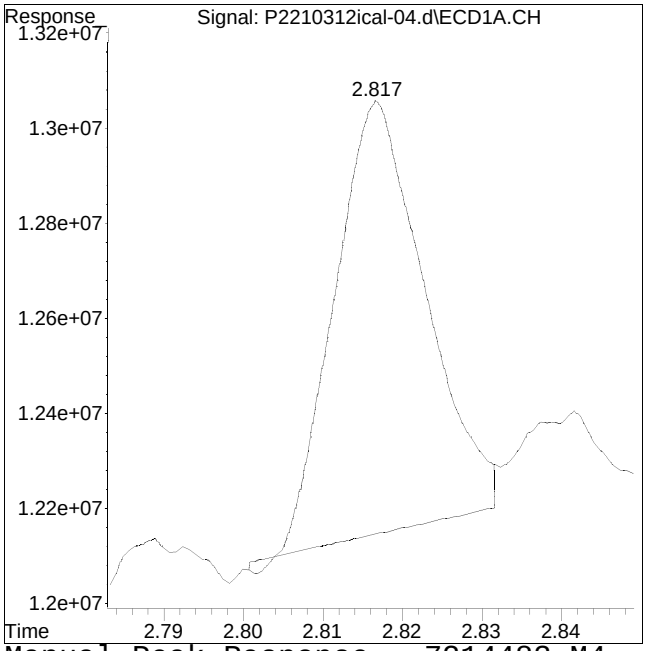
Original Peak Response = 9415817 Manual Peak Response = 1759008 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #10: 1260-2



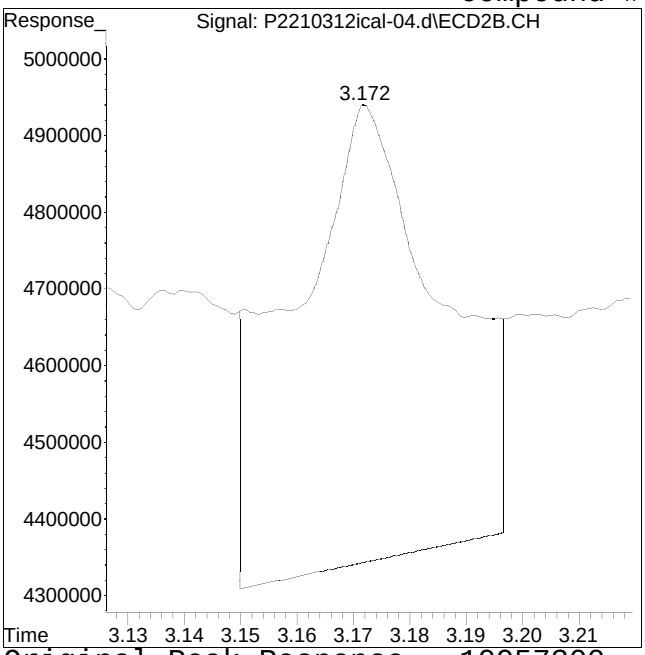


Original Peak Response = 58254700 Manual Peak Response = 7214483 M4
M4 = Poor automated baseline construction.

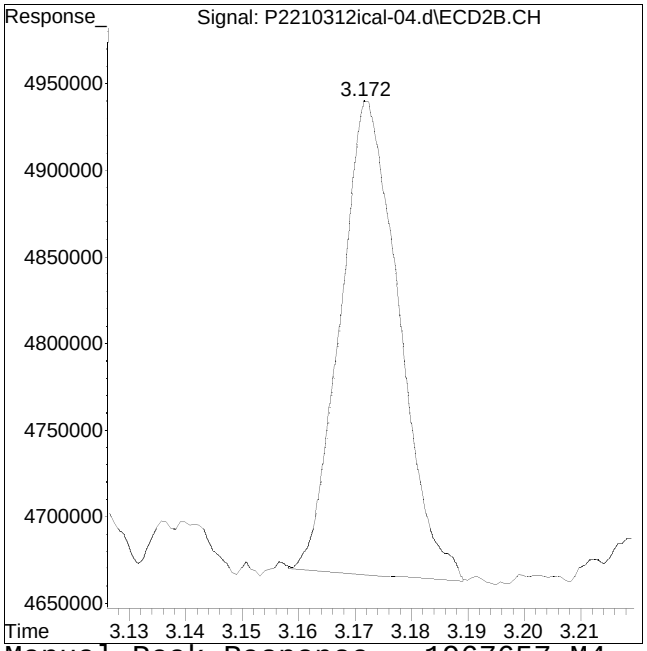
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #61: 1260-2 #2



Original Peak Response = 10957300



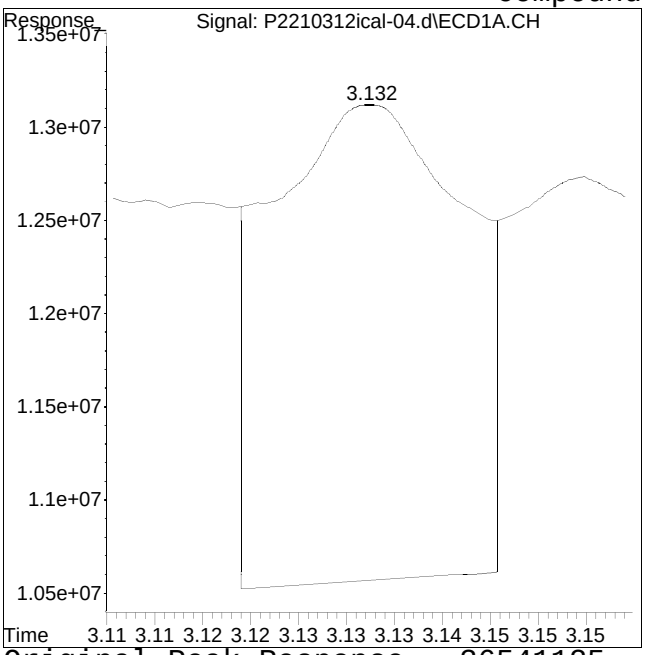
Manual Peak Response = 1967657 M4

M4 = Poor automated baseline construction.

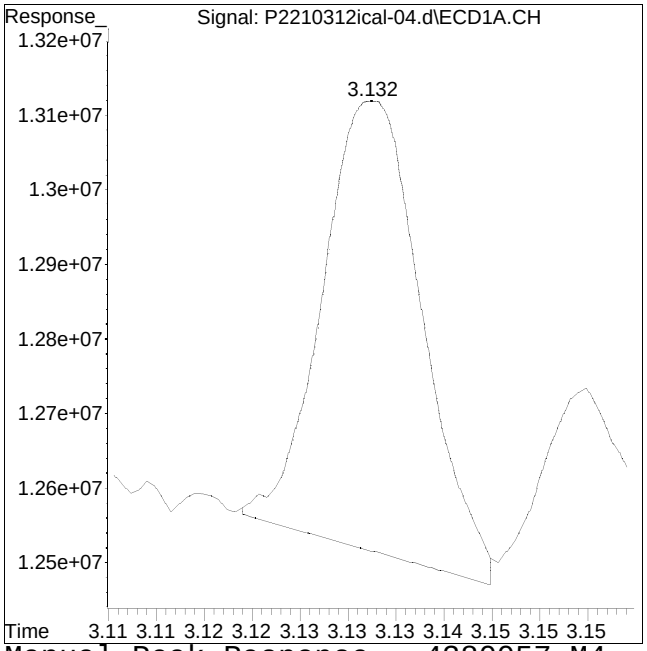
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #11: 1260-3



Original Peak Response = 36541125



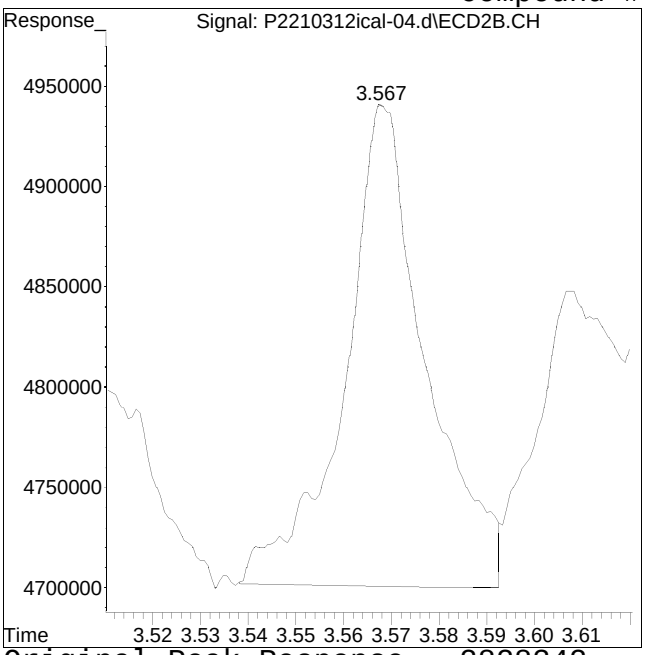
Manual Peak Response = 4380057 M4

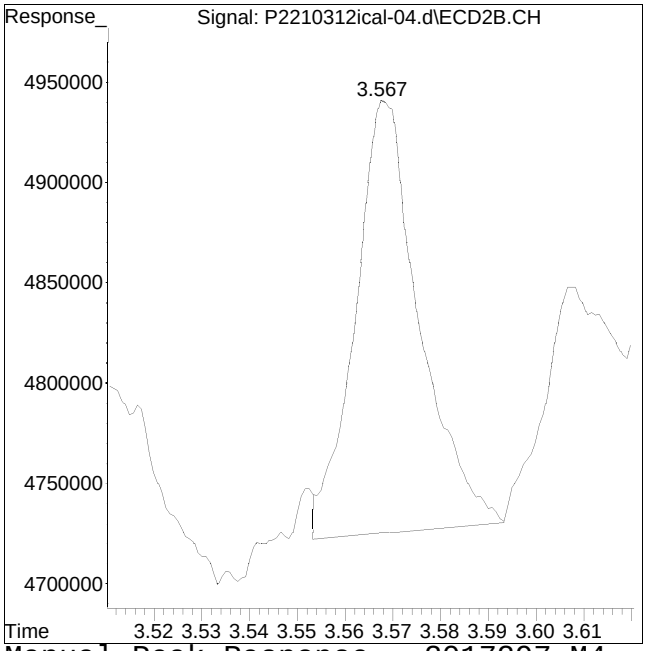
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #62: 1260-3 #2



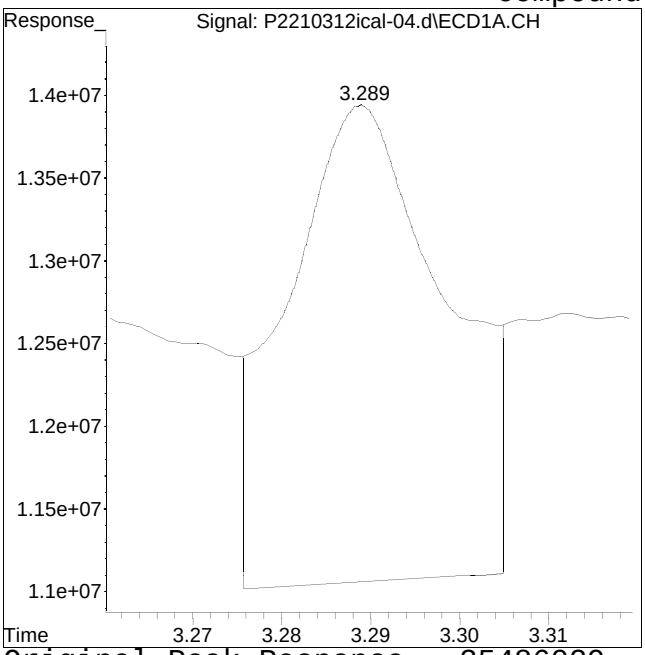


Original Peak Response = 2828342 Manual Peak Response = 2017297 M4
M4 = Poor automated baseline construction.

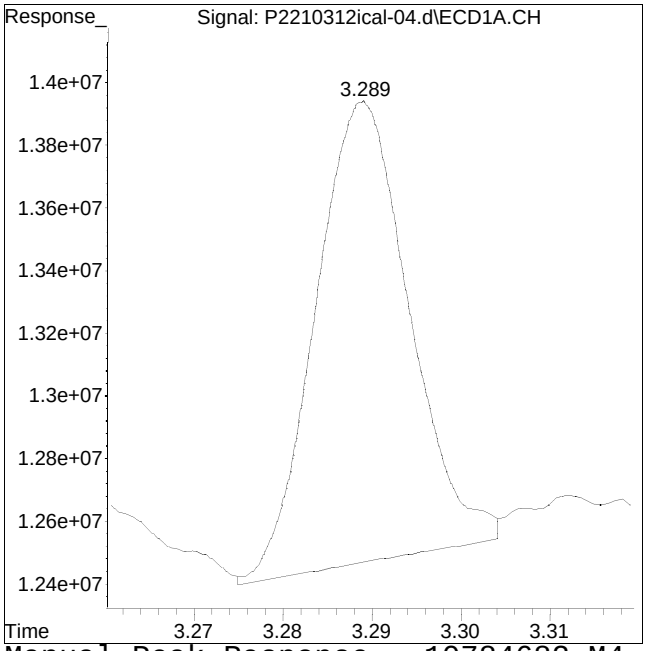
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #12: 1260-4



Original Peak Response = 35486029

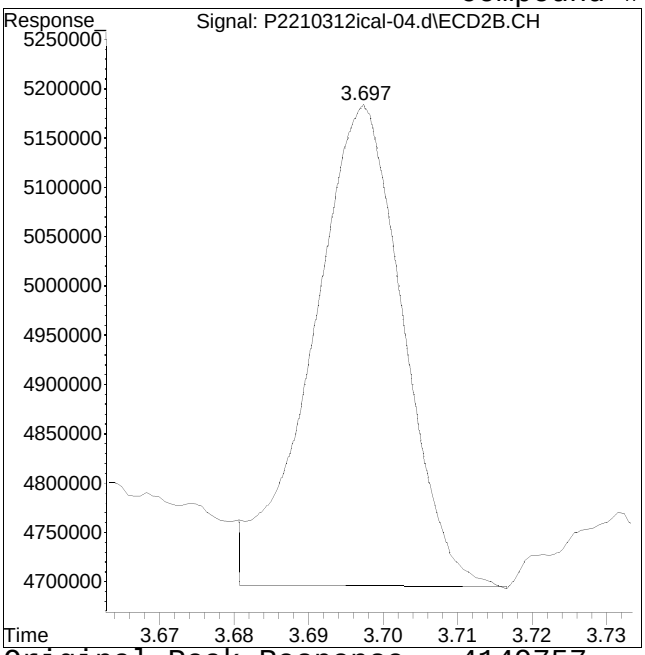


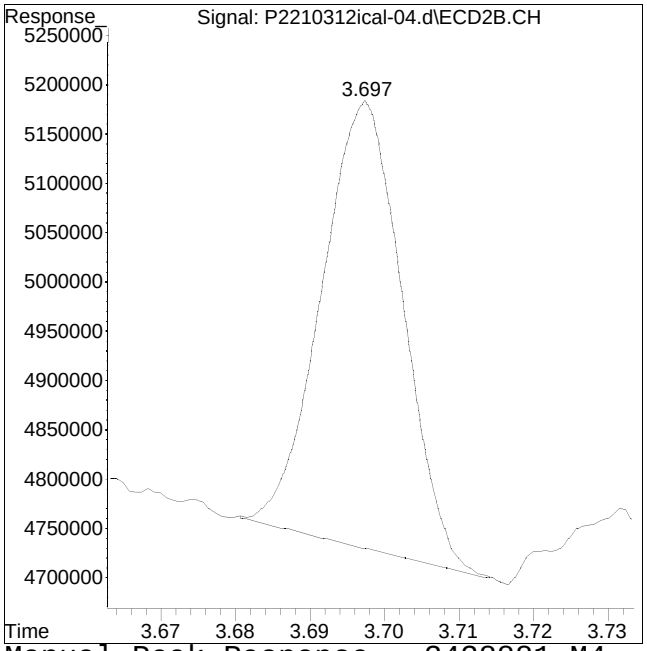
Manual Peak Response = 10784682 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #63: 1260-4 #2



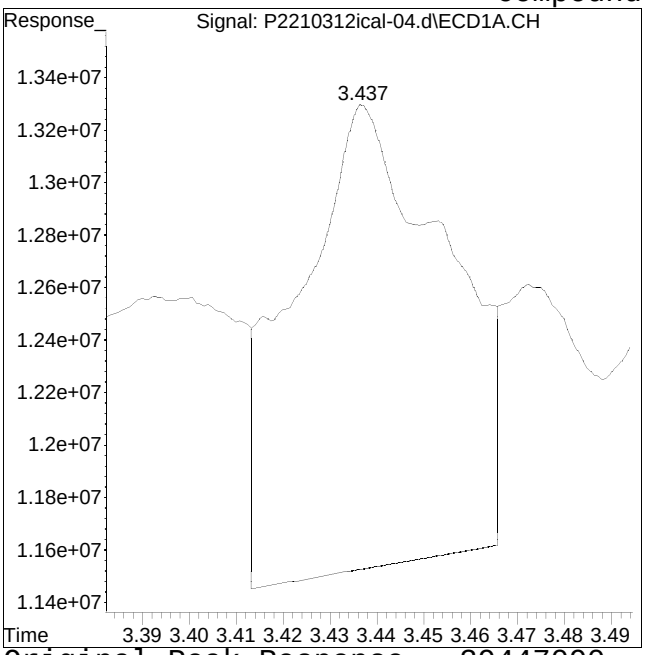


Original Peak Response = 4149757 Manual Peak Response = 3438881 M4
M4 = Poor automated baseline construction.

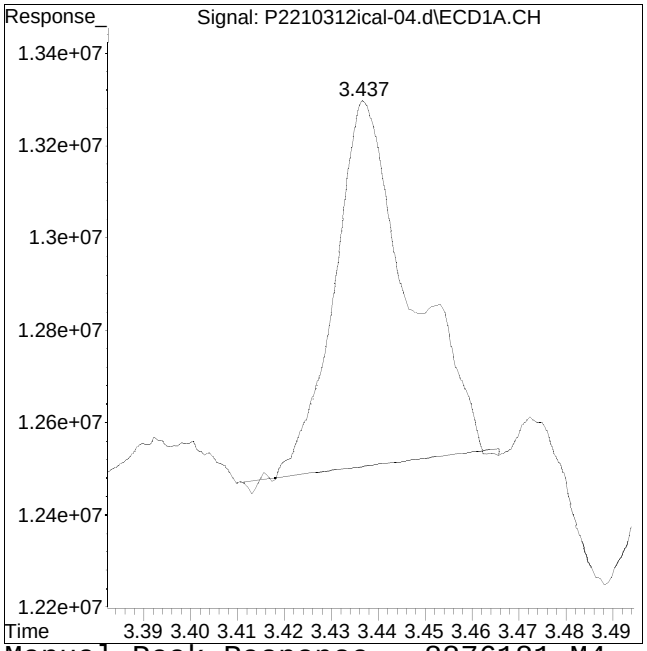
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #13: 1260-5



Original Peak Response = 39447090



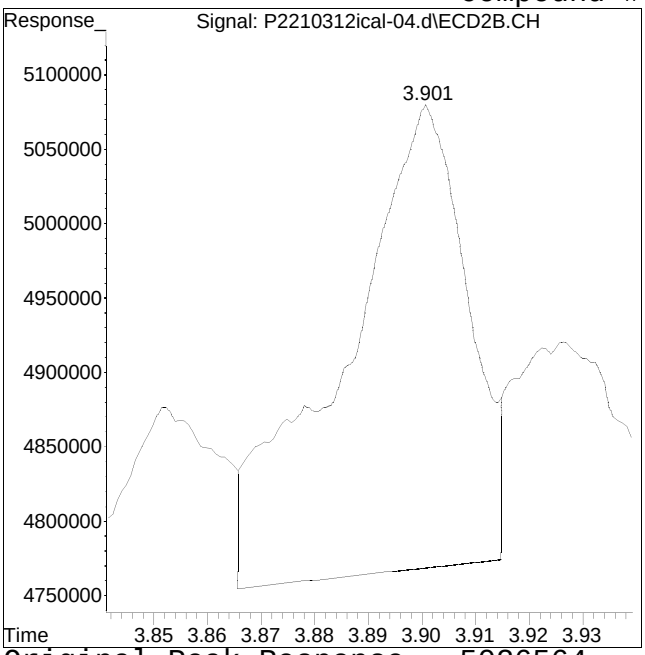
Manual Peak Response = 8876181 M4

M4 = Poor automated baseline construction.

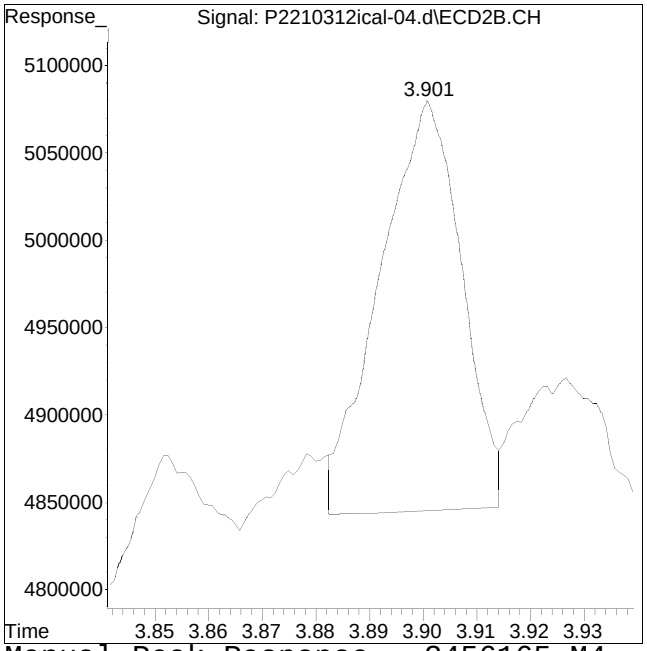
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-04.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:35 pm Instrument : PEST 2
Sample : il11660,42e,,10250 lvi Quant Date : 3/12/2021 6:17 pm

Compound #64: 1260-5 #2



Original Peak Response = 5026564



Manual Peak Response = 2456165 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:44 pm
Operator : pest2:kb
Sample : il21660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:16:55 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:14:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.152	1.223	183.1E6	56447713	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.441	1.604	27325389	8345059	3.138	3.254
Spiked Amount	20.000	Range 30 - 150		Recovery =		15.69%#	16.27%#
3) s	Decachlorobi	4.022	4.552	51326317	13877994	6.620M4	7.017
Spiked Amount	20.000	Range 30 - 150		Recovery =		33.10%	35.09%
	Target Compounds						
4) l1	1016-1	1.582	1.808	7436292	2493559	48.687M4	53.052M4
5) l1	1016-2	1.725	1.982	16309870	5566128	52.484M4	54.104M4
6) l1	1016-3	1.914	2.185	33350343	11457922	47.012M4	54.619
7) l1	1016-4	1.970	2.246	12502452	4570060	43.692M4	54.359
8) l1	1016-5	2.141	2.459	14828412	3887764	48.049M4	56.813
Sum	1016-1			84427369	27975433	239.923	272.947
Average	1016-1					47.985	54.589
9) l2	1260-1	2.686	3.072	22791742	7436877	47.528M4	54.958M4
10) l2	1260-2	2.817	3.174	34053493	8985253	48.581M4	55.911M4
11) l2	1260-3	3.134	3.570	19993604	7665457	45.348M4	56.847
12) l2	1260-4	3.289	3.699	47811581	14287613	49.371M4	52.406
13) l2	1260-5	3.437	3.902	35022669	10631343	49.093M4	53.681M4
Sum	1260-1			159.7E6	49006543	NoCal	NoCal D

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:44 pm
Operator : pest2:kb
Sample : il21660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:16:55 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:14:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1260-1					47.984	54.761
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:44 pm
Operator : pest2:kb
Sample : il21660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:16:55 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:14:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

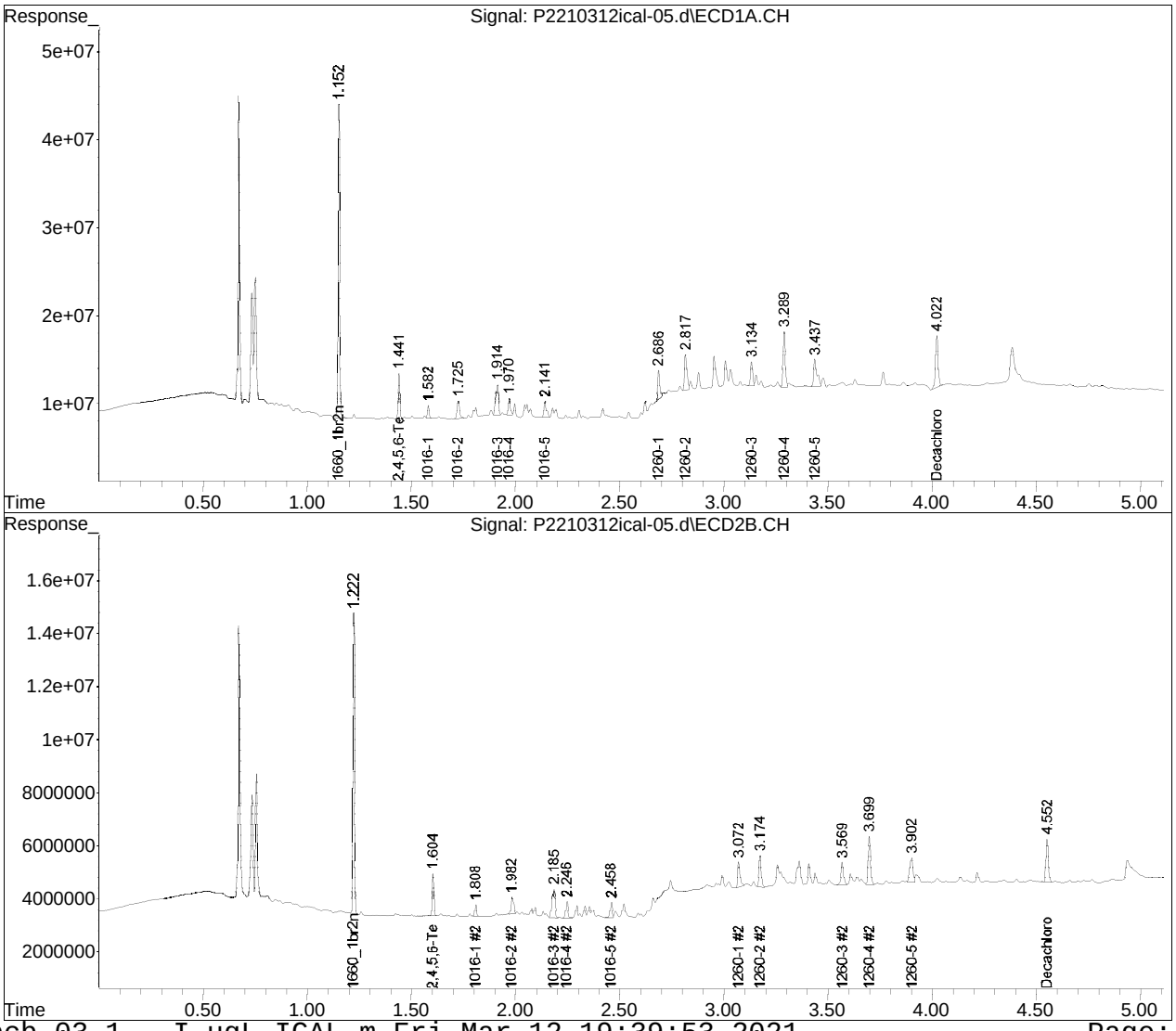
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:44 pm
Operator : pest2:kb
Sample : il21660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:16:55 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:14:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

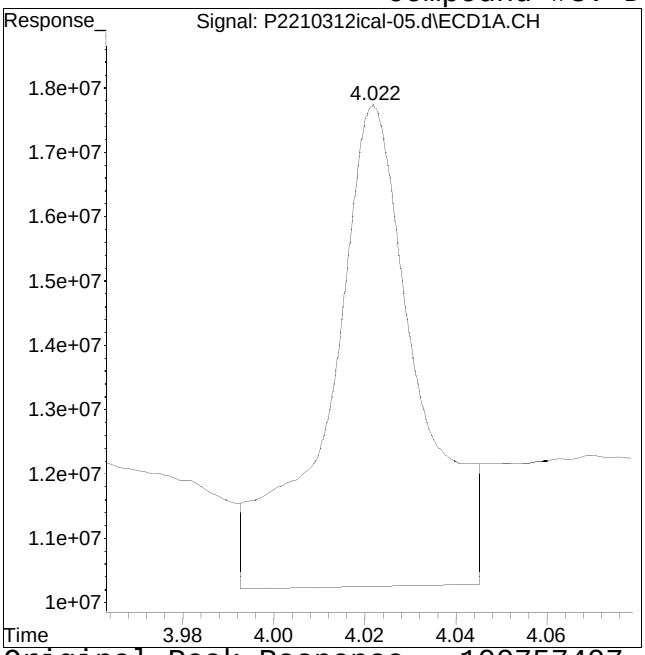
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

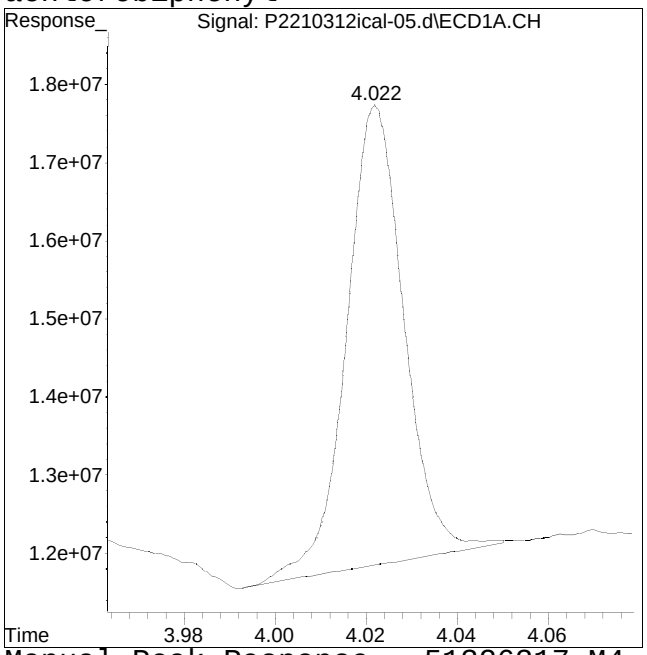


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #3: Decachlorobiphenyl



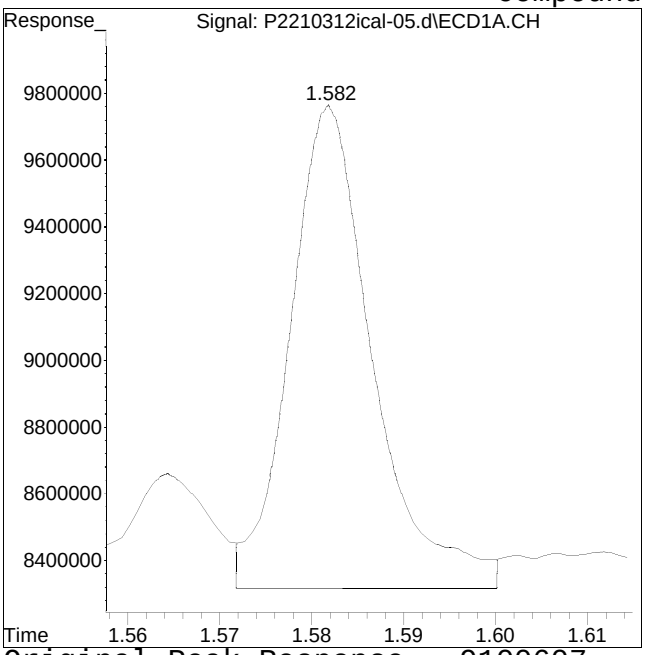


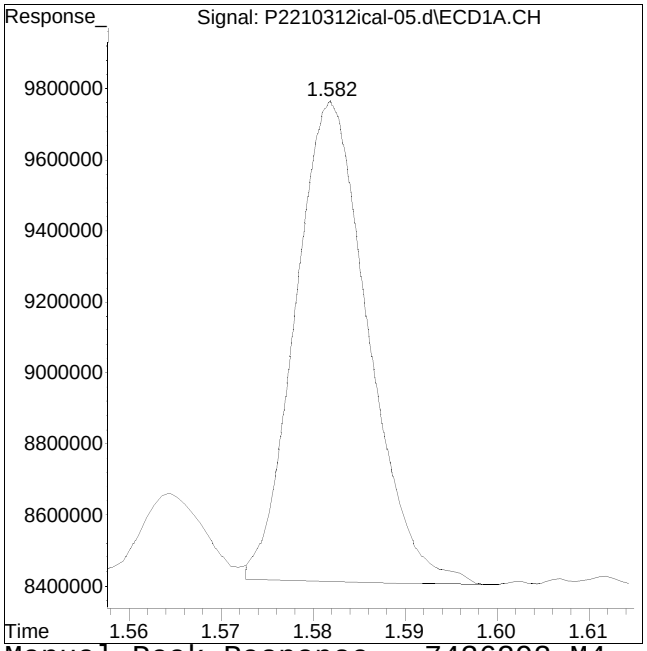
Original Peak Response = 100757407 Manual Peak Response = 51326317 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #4: 1016-1



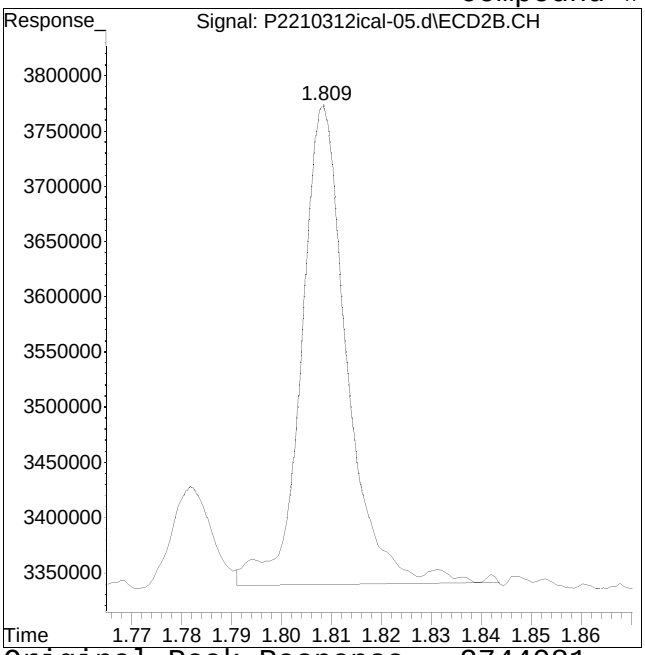


Original Peak Response = 9100607 Manual Peak Response = 7436292 M4
M4 = Poor automated baseline construction.

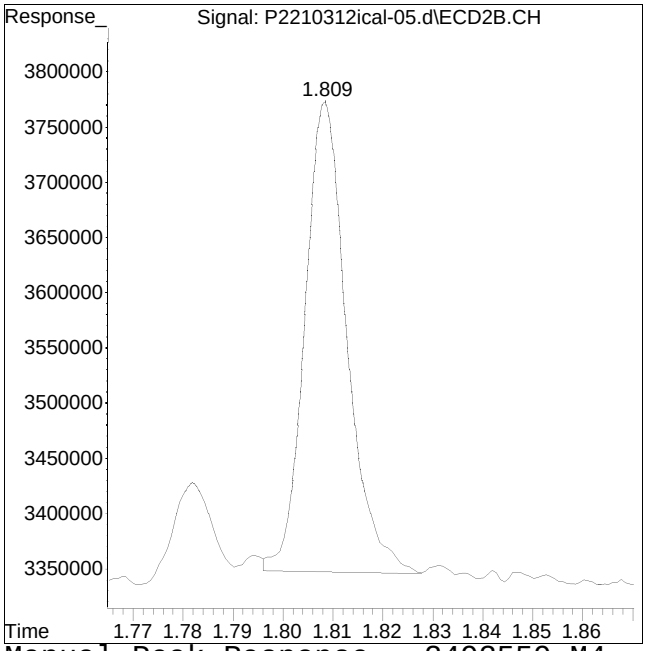
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #55: 1016-1 #2



Original Peak Response = 2744081



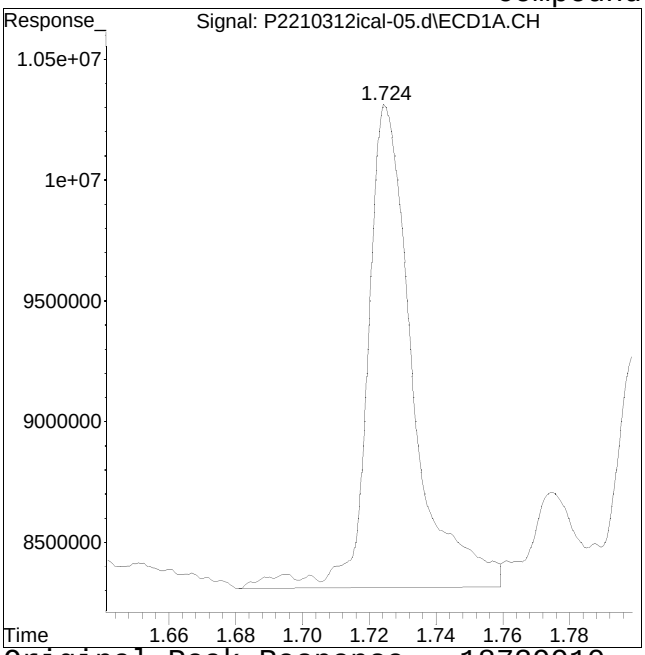
Manual Peak Response = 2493559 M4

M4 = Poor automated baseline construction.

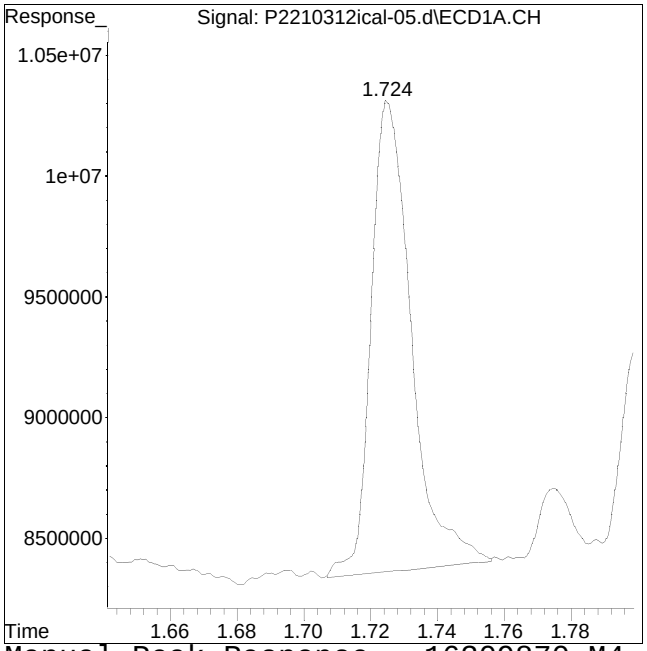
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #5: 1016-2



Original Peak Response = 18739910



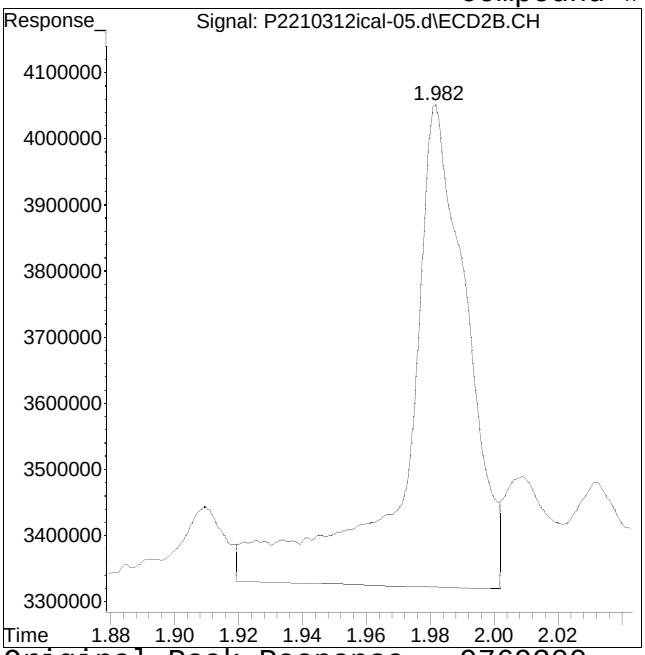
Manual Peak Response = 16309870 M4

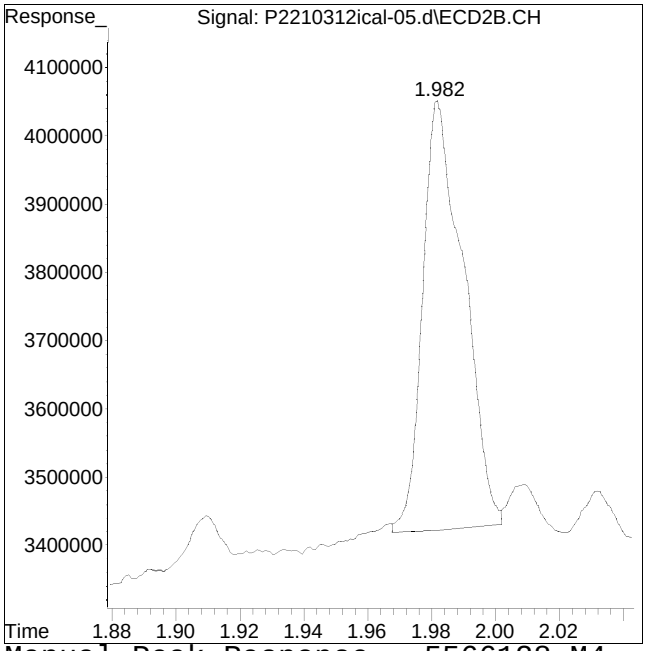
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #56: 1016-2 #2



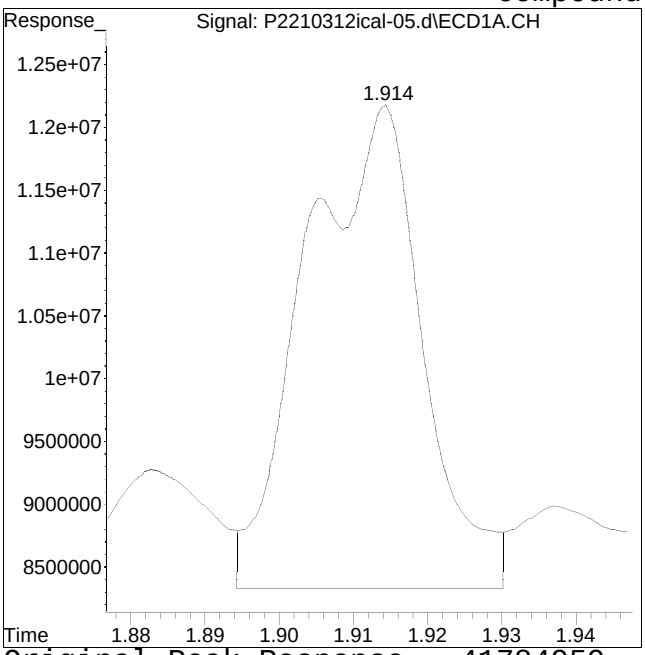


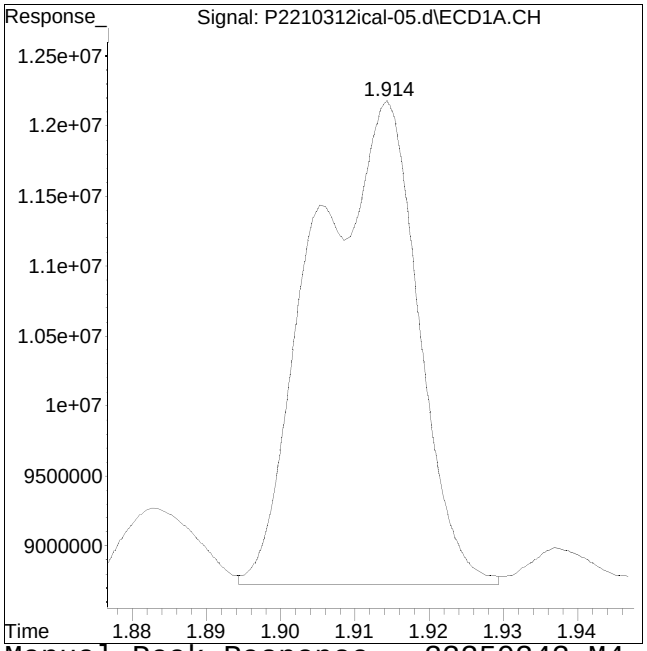
Original Peak Response = 9769300 Manual Peak Response = 5566128 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #6: 1016-3



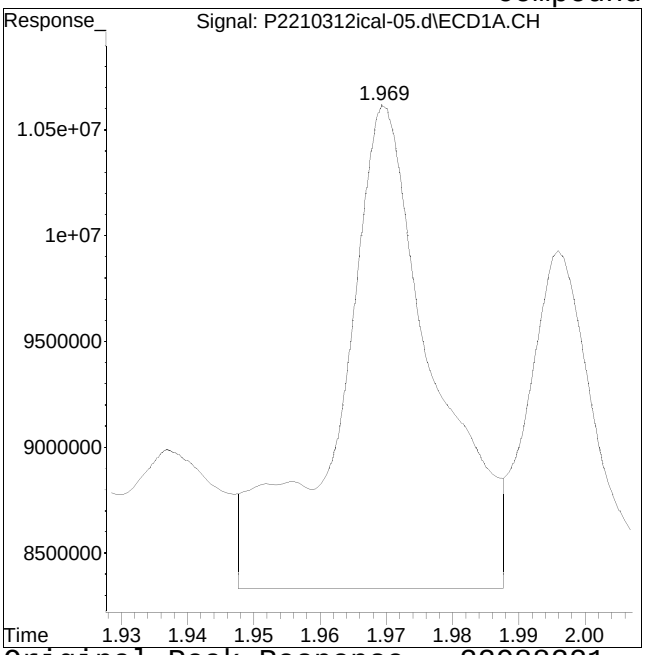


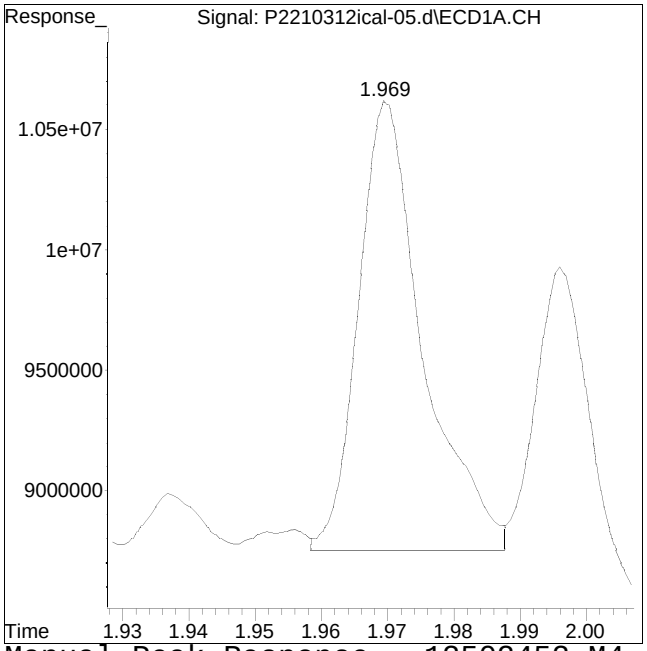
Original Peak Response = 41784959 Manual Peak Response = 33350343 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #7: 1016-4



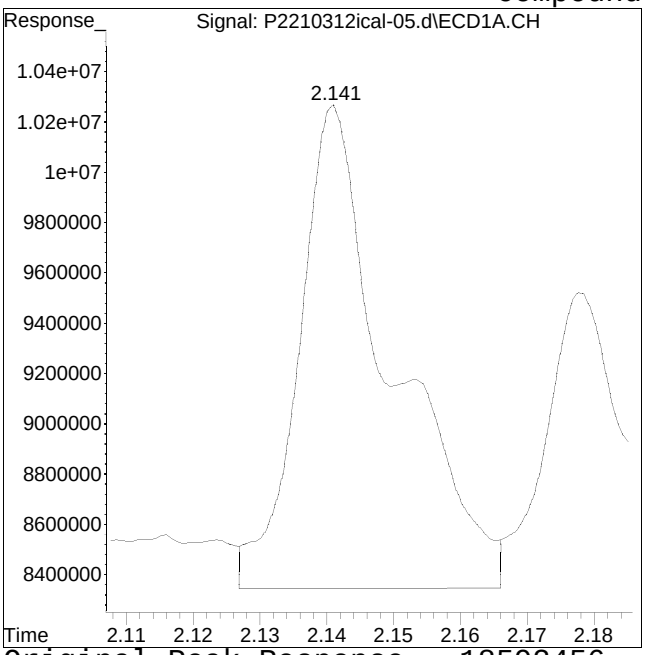


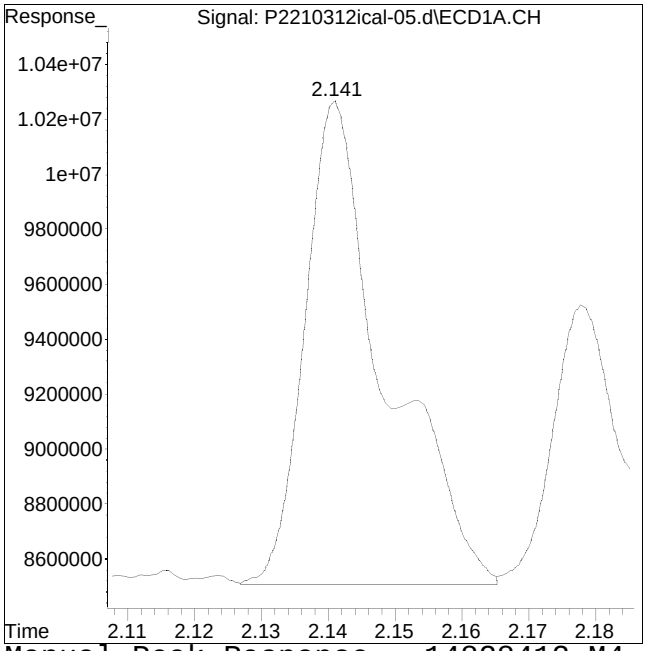
Original Peak Response = 22988221 Manual Peak Response = 12502452 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #8: 1016-5



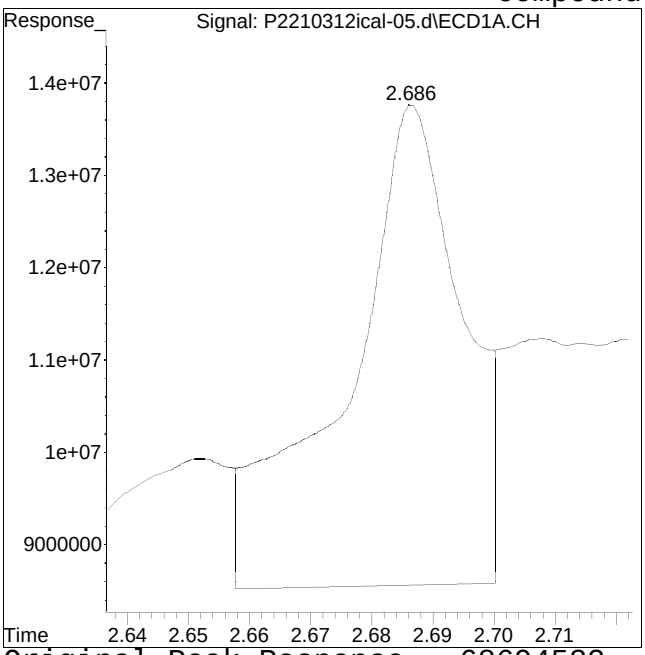


Original Peak Response = 18592456 Manual Peak Response = 14828412 M4
M4 = Poor automated baseline construction.

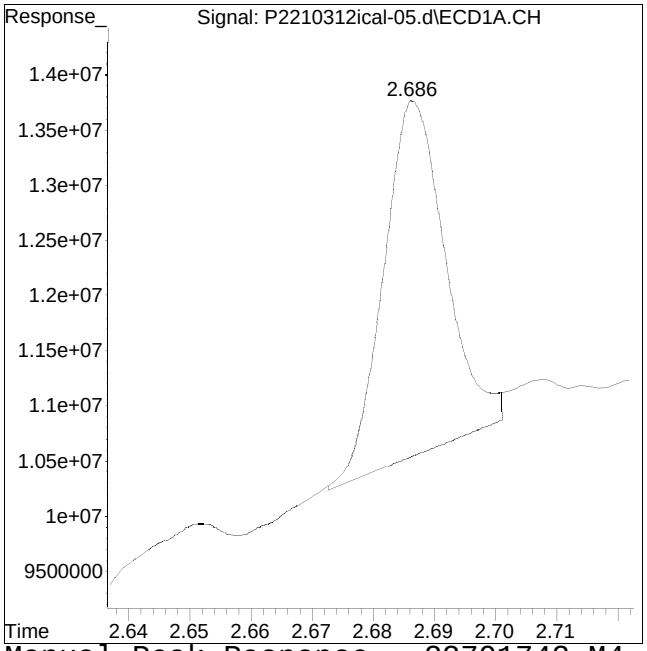
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #9: 1260-1



Original Peak Response = 68694532



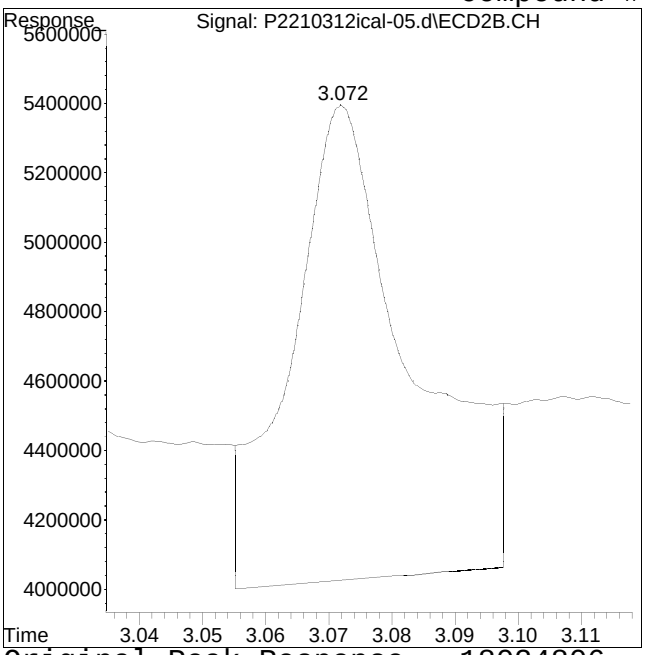
Manual Peak Response = 22791742 M4

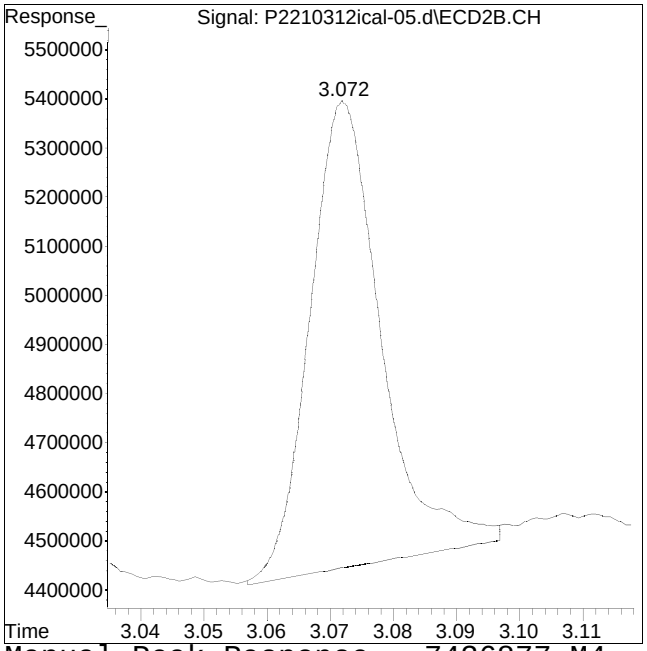
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #60: 1260-1 #2



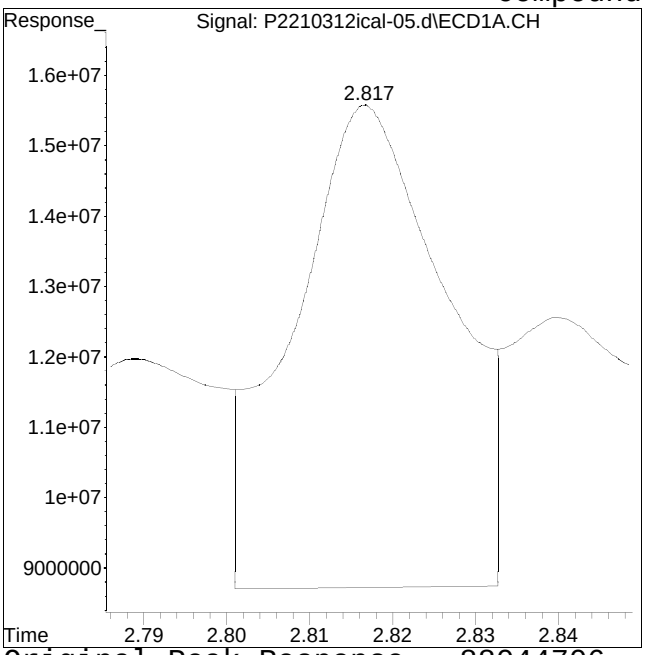


Original Peak Response = 18024806 Manual Peak Response = 7436877 M4
M4 = Poor automated baseline construction.

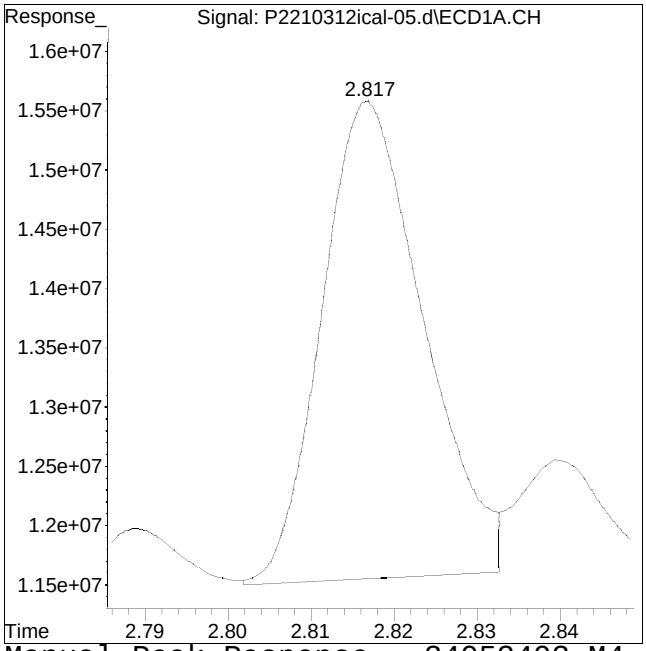
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #10: 1260-2



Original Peak Response = 88044706

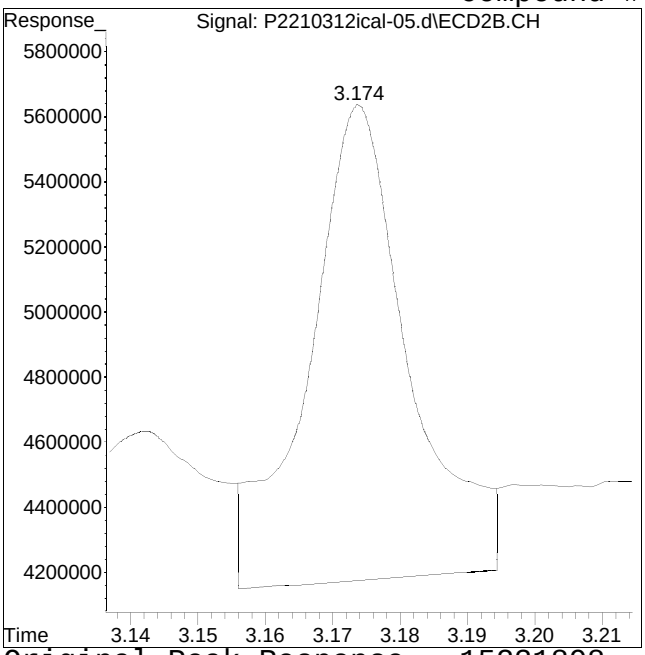


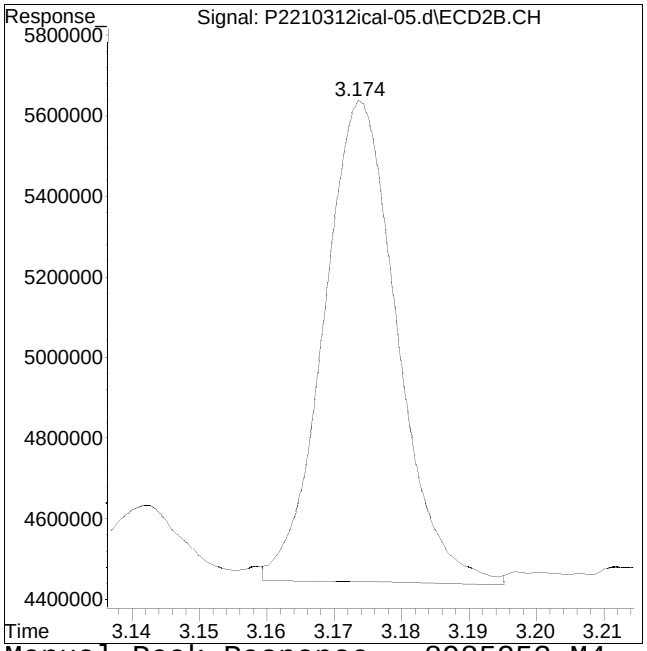
Manual Peak Response = 34053493 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #61: 1260-2 #2



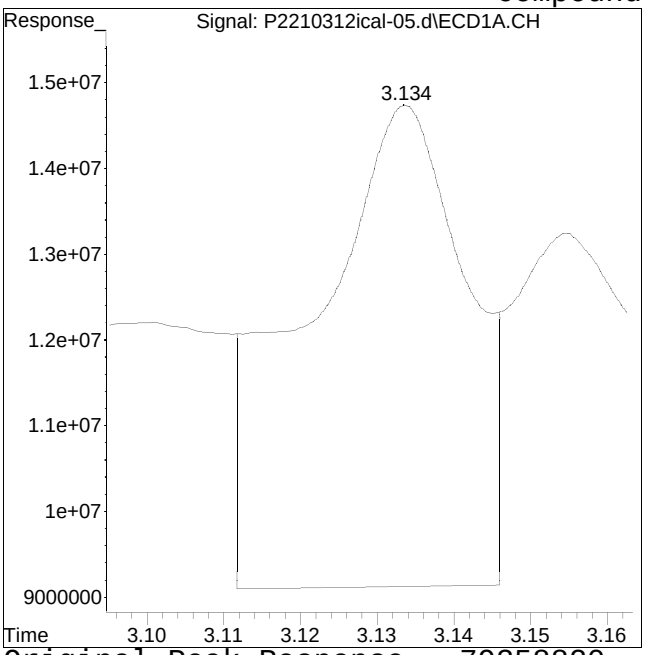


Original Peak Response = 15231898 Manual Peak Response = 8985253 M4
M4 = Poor automated baseline construction.

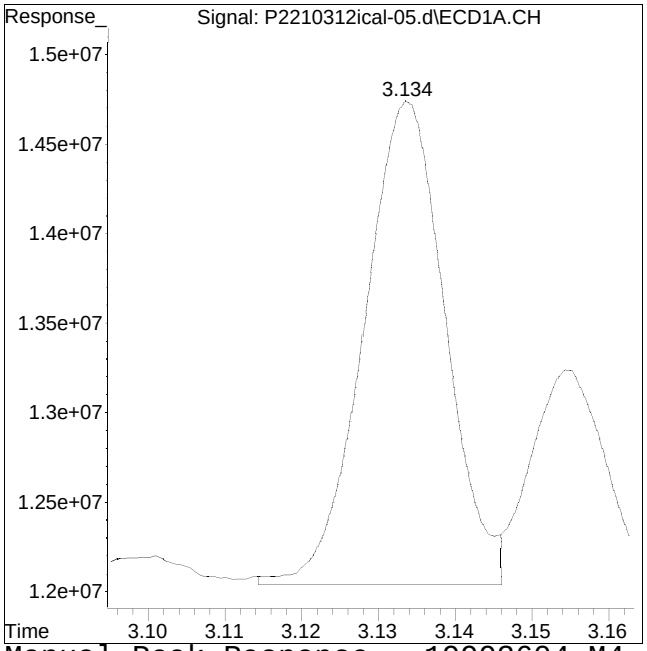
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #11: 1260-3



Original Peak Response = 79358820



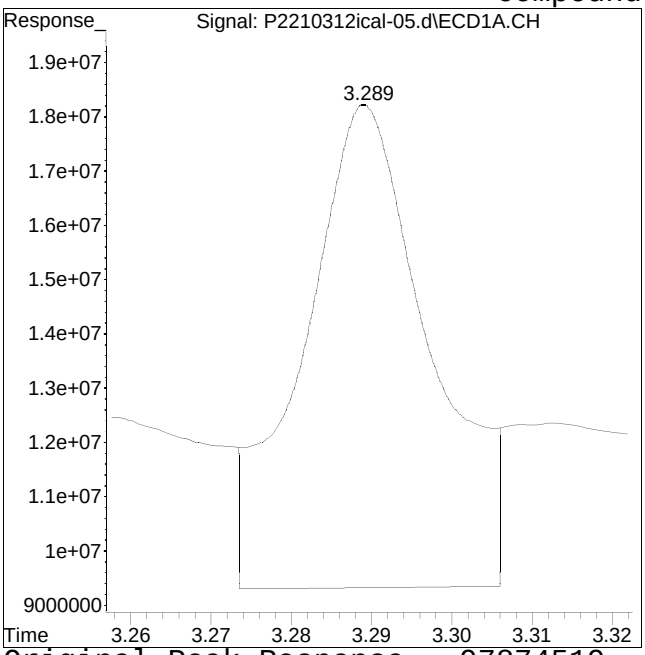
Manual Peak Response = 19993604 M4

M4 = Poor automated baseline construction.

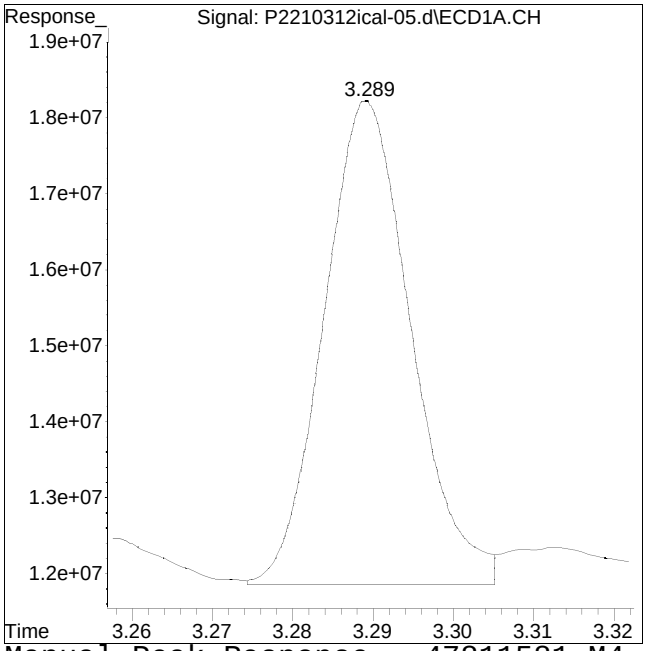
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #12: 1260-4



Original Peak Response = 97874519

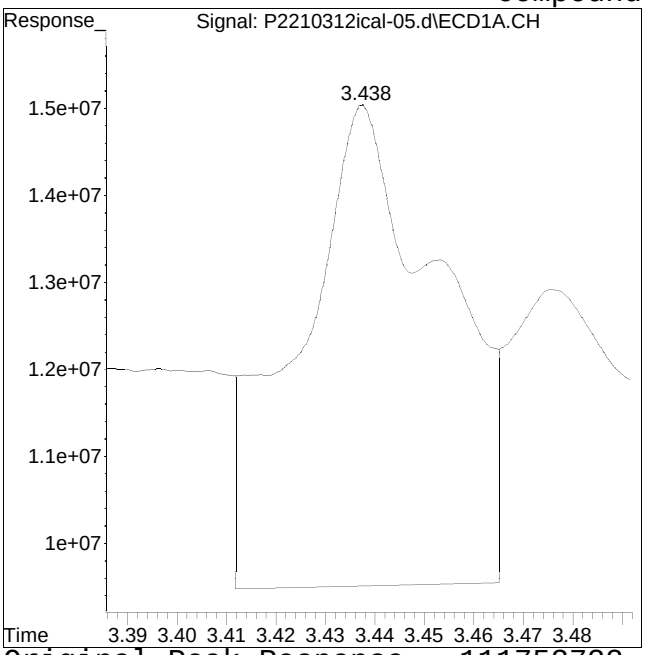


Manual Peak Response = 47811581 M4
M4 = Poor automated baseline construction.

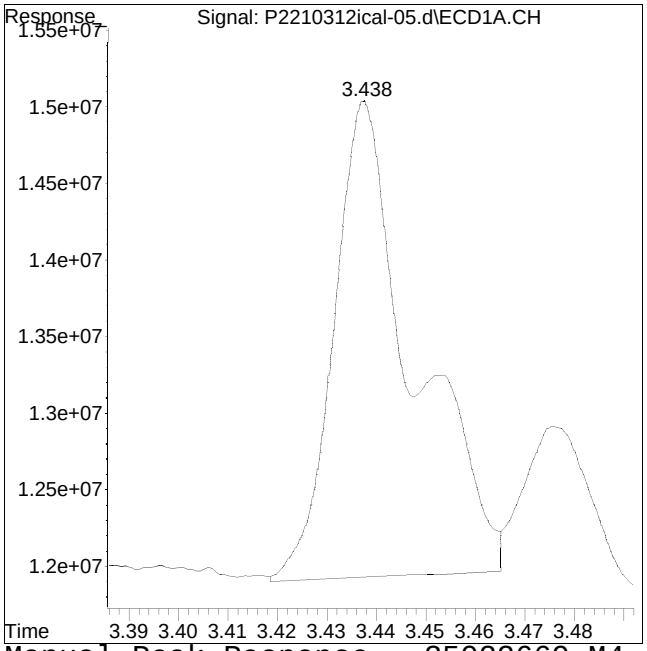
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #13: 1260-5



Original Peak Response = 111752722

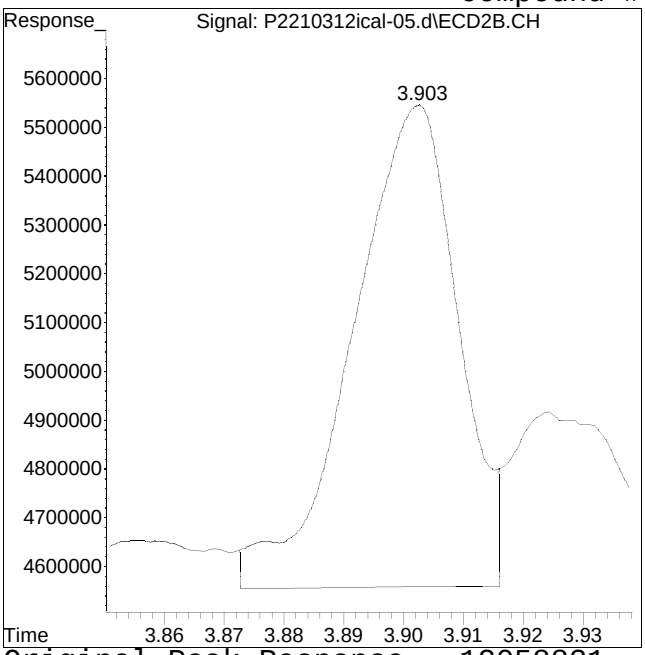


Manual Peak Response = 35022669 M4
M4 = Poor automated baseline construction.

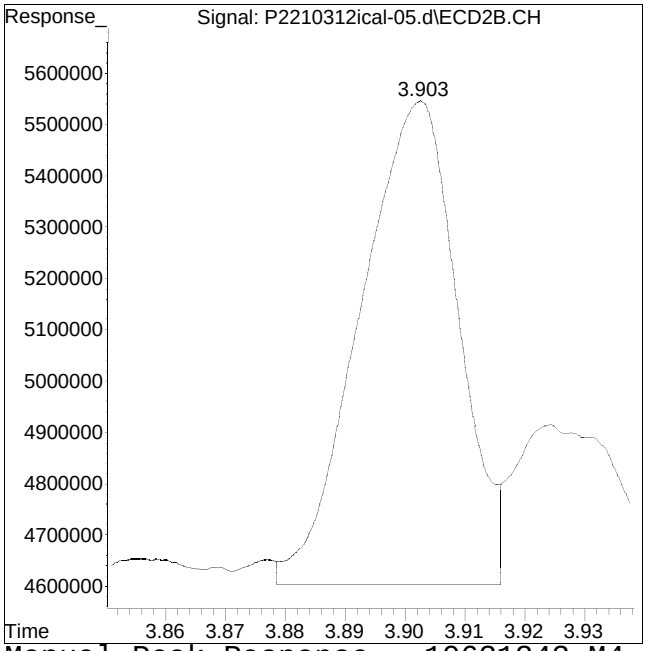
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-05.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:44 pm Instrument : PEST 2
Sample : il21660,42e,,10250 lvi Quant Date : 3/12/2021 6:14 pm

Compound #64: 1260-5 #2



Original Peak Response = 12058831



Manual Peak Response = 10631343 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:52 pm
Operator : pest2:kb
Sample : il31660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:13:29 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:08:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.152	1.223	184.7E6	55716753	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.441	1.604	52186557	16227359	5.587	6.424
Spiked Amount	20.000	Range 30 - 150		Recovery =		27.93%#	32.12%
3) s	Decachlorobi	4.023	4.554	100.1E6	25663696	12.236	13.328
Spiked Amount	20.000	Range 30 - 150		Recovery =		61.18%	66.64%
	Target Compounds						
4) l1	1016-1	1.582	1.809	14139025	4849975	86.157M4	105.238
5) l1	1016-2	1.725	1.982	32235731	10178441	102.669M4	100.496M4
6) l1	1016-3	1.915	2.185	65849013	20921434	86.651M4	101.771
7) l1	1016-4	1.970	2.246	26142575	8496935	86.365M4	103.505
8) l1	1016-5	2.141	2.459	28808285	7038999	87.579M4	105.795
Sum	1016-1			167.2E6	51485784	449.421	516.805
Average	1016-1					89.884	103.361
9) l2	1260-1	2.687	3.072	43941012	13416442	84.604M4	101.437M4
10) l2	1260-2	2.817	3.174	64725501	15980613	86.173M4	102.071M4
11) l2	1260-3	3.134	3.570	39135539	13609387	81.600M4	103.996
12) l2	1260-4	3.290	3.699	90972282	26673191	88.607M4	100.039
13) l2	1260-5	3.438	3.903	66667584	20226312	87.198M1	105.788
Sum	1260-1			305.4E6	89905945	NoCal	NoCal D
Average	1260-1					85.636	102.666

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:52 pm
Operator : pest2:kb
Sample : il31660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:13:29 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:08:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:52 pm
Operator : pest2:kb
Sample : il31660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:13:29 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:08:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

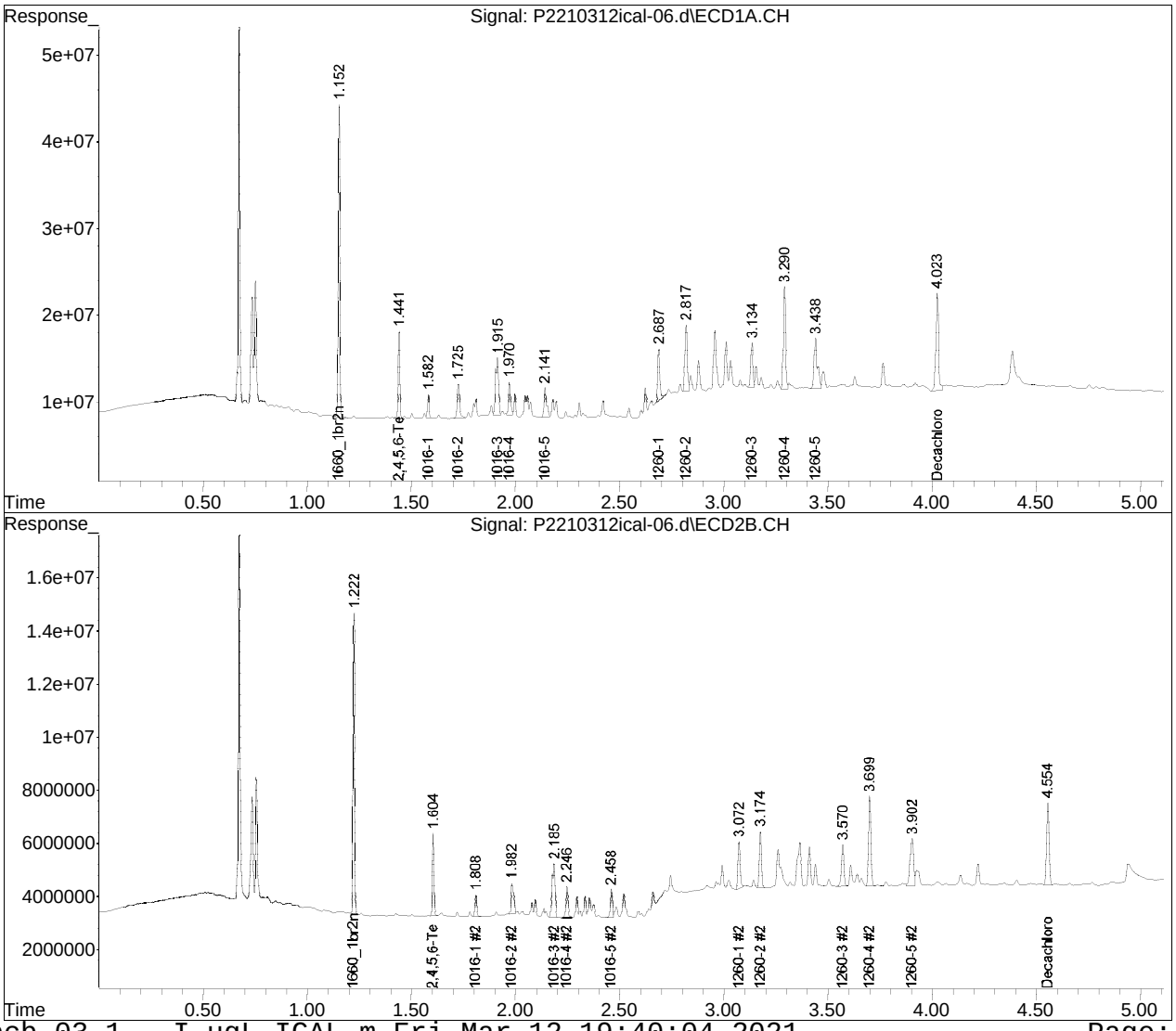
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 3:52 pm
Operator : pest2:kb
Sample : il31660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:13:29 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:08:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

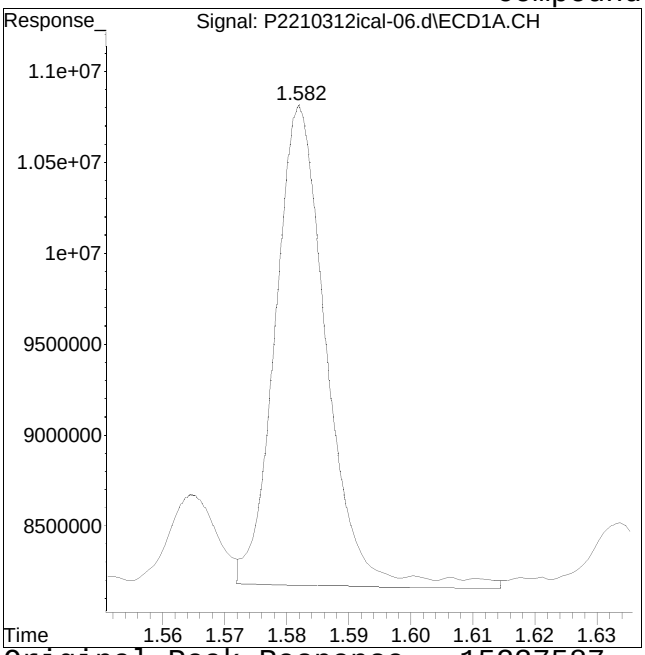
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

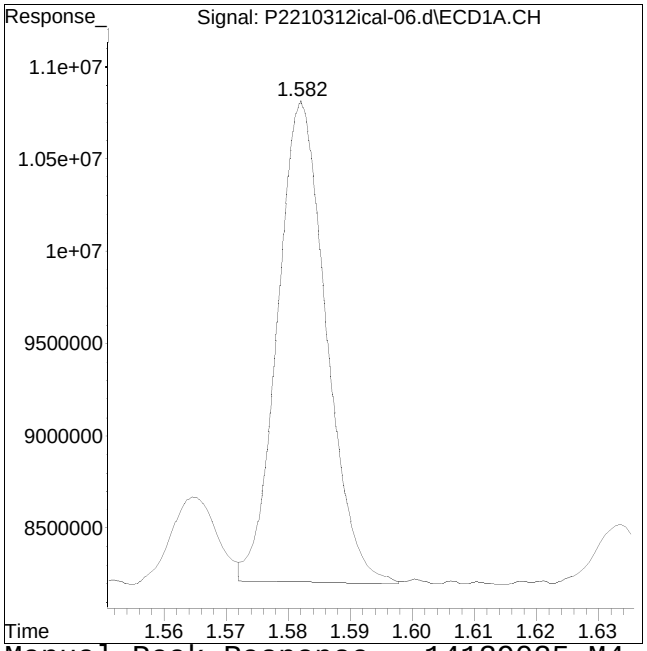


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #4: 1016-1



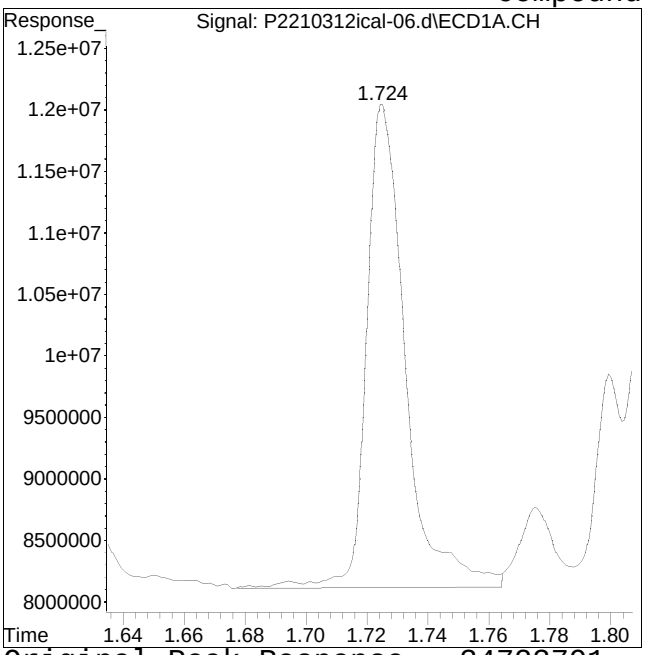


Original Peak Response = 15237587 Manual Peak Response = 14139025 M4
M4 = Poor automated baseline construction.

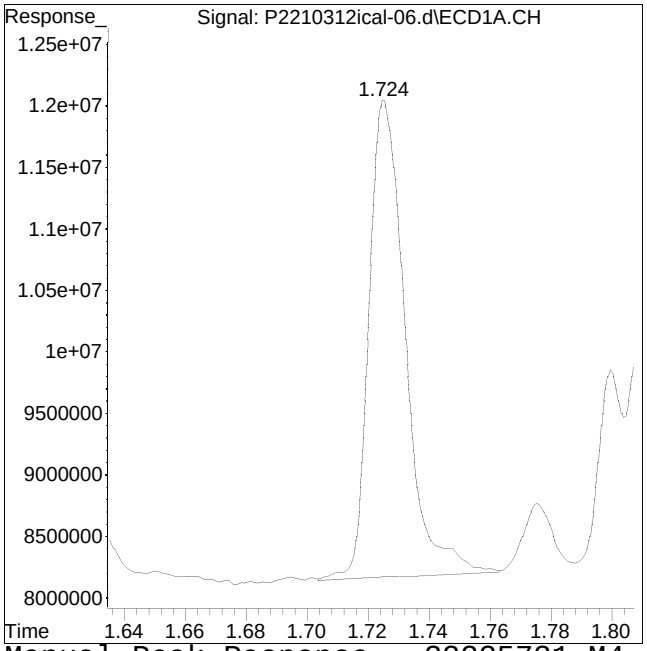
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #5: 1016-2



Original Peak Response = 34723791



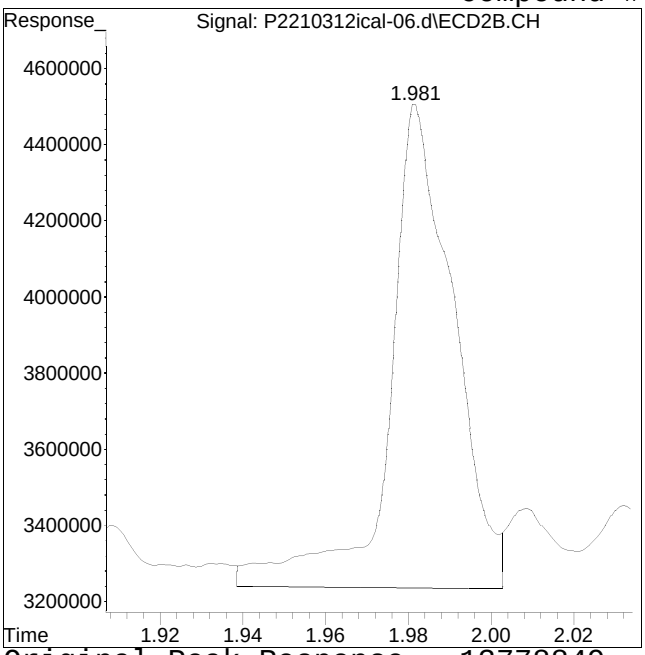
Manual Peak Response = 32235731 M4

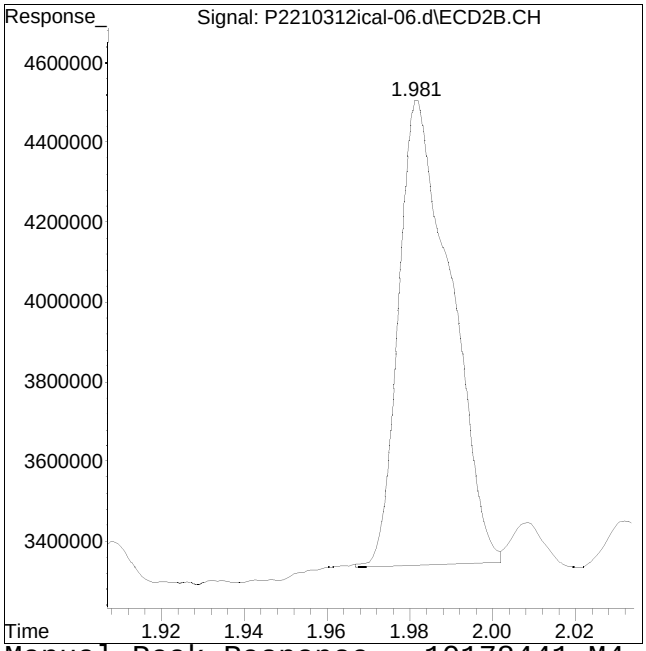
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #56: 1016-2 #2



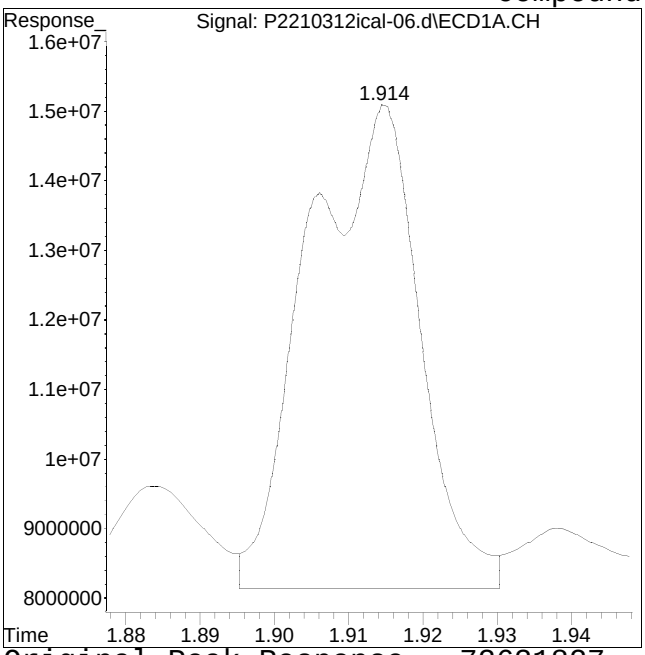


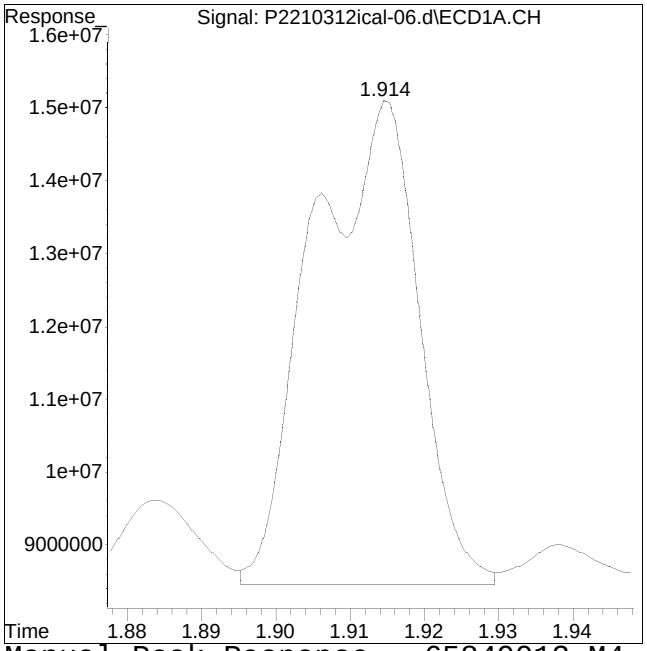
Original Peak Response = 13778849 Manual Peak Response = 10178441 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #6: 1016-3



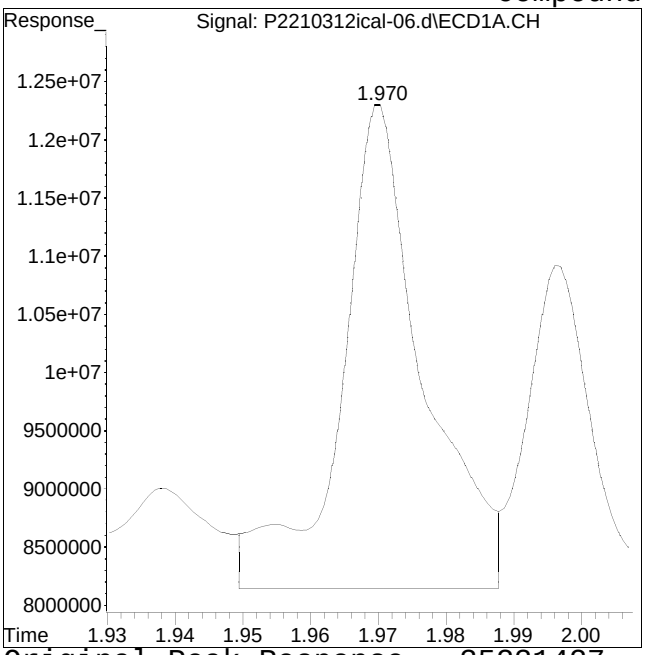


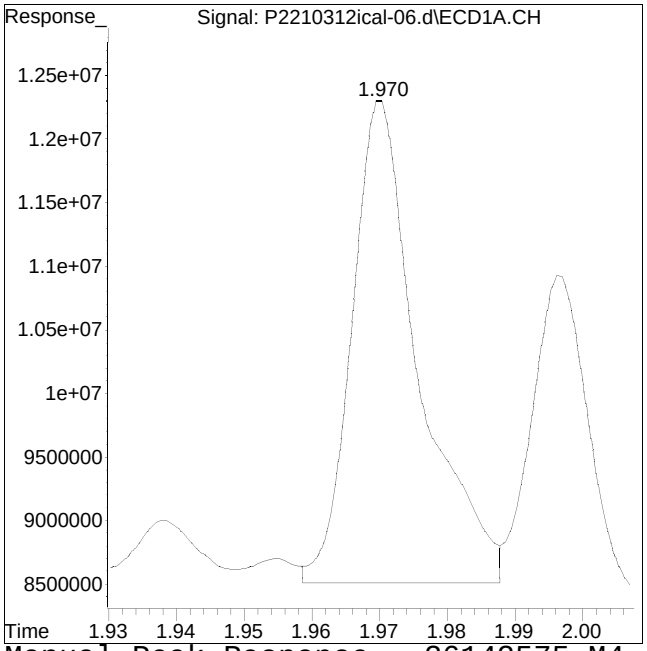
Original Peak Response = 72631827 Manual Peak Response = 65849013 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #7: 1016-4



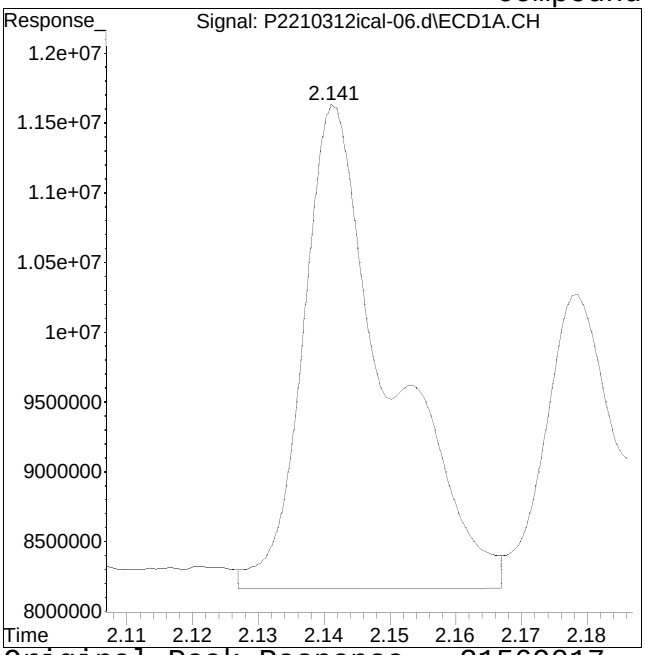


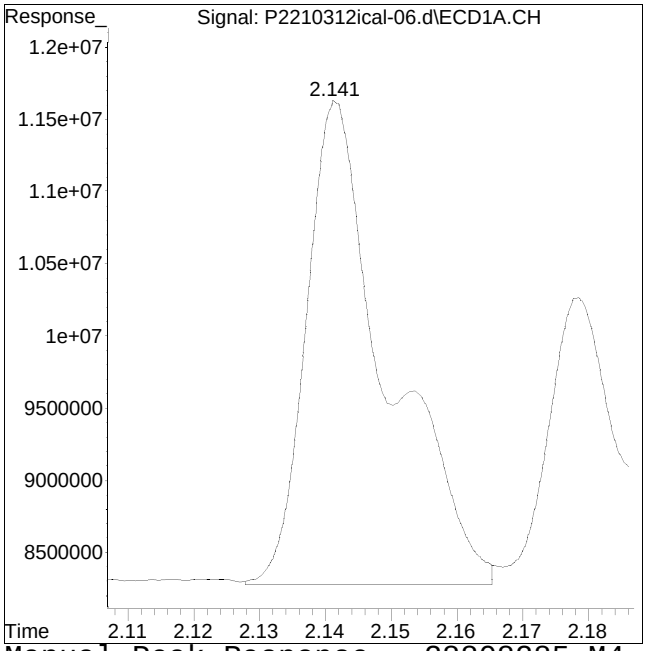
Original Peak Response = 35231427 Manual Peak Response = 26142575 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #8: 1016-5



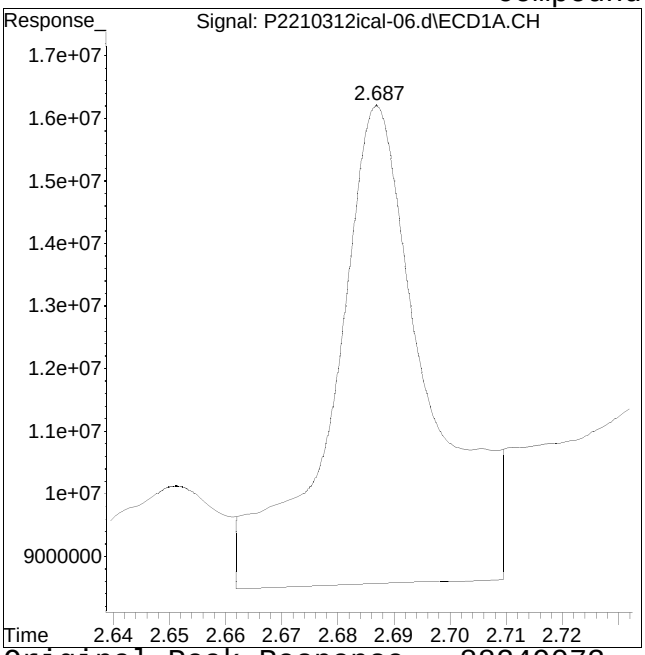


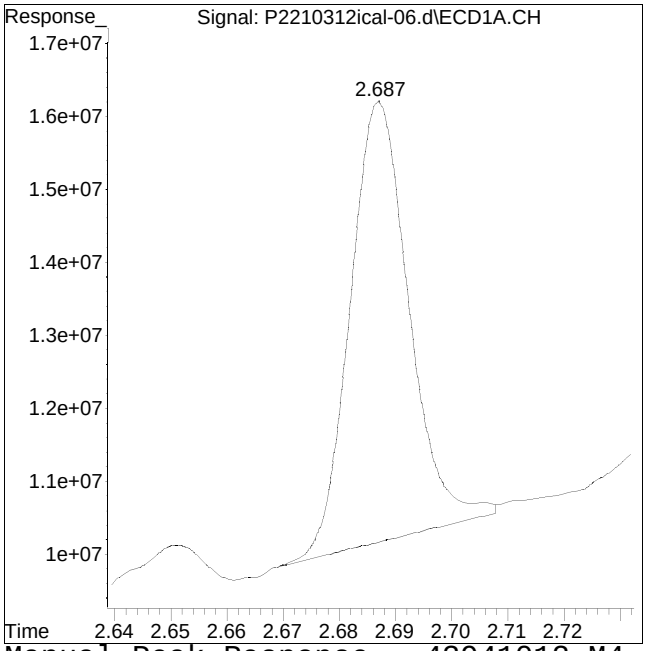
Original Peak Response = 31569017 Manual Peak Response = 28808285 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #9: 1260-1



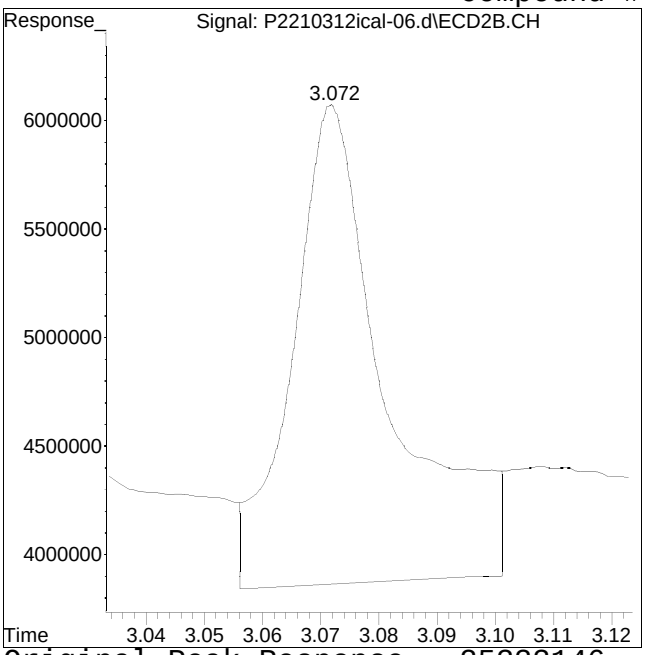


Original Peak Response = 88249073 Manual Peak Response = 43941012 M4
M4 = Poor automated baseline construction.

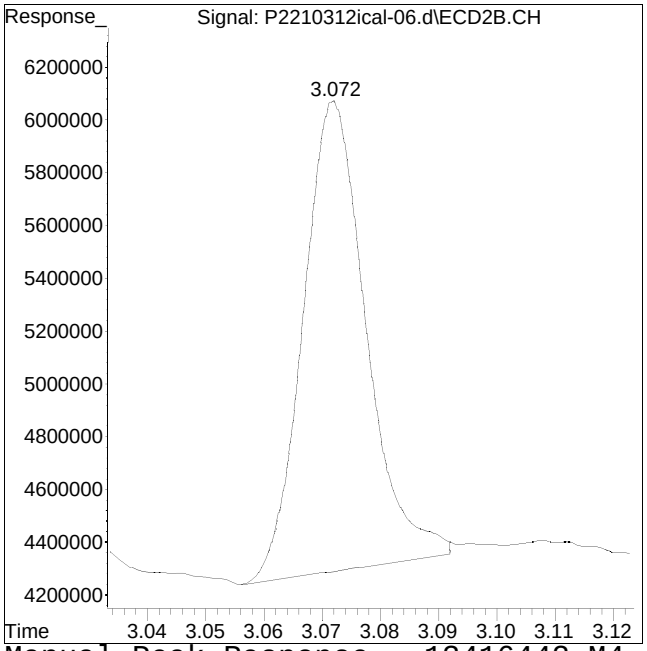
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #60: 1260-1 #2



Original Peak Response = 25333146



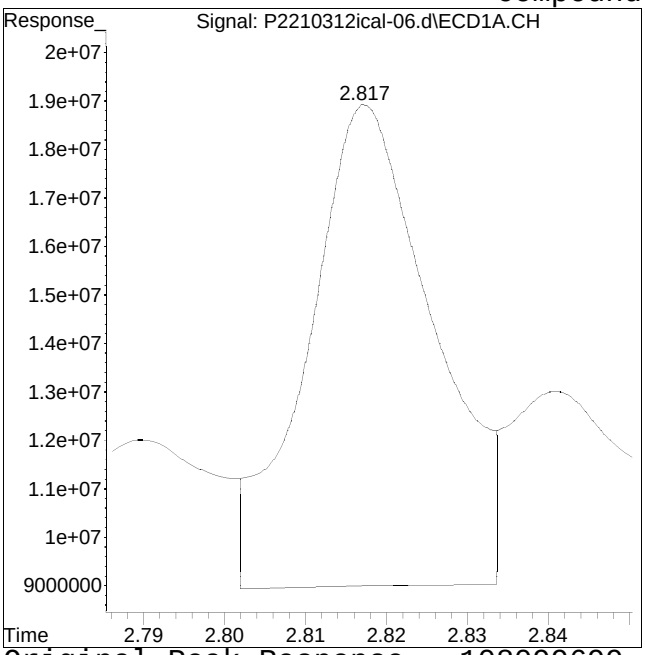
Manual Peak Response = 13416442 M4

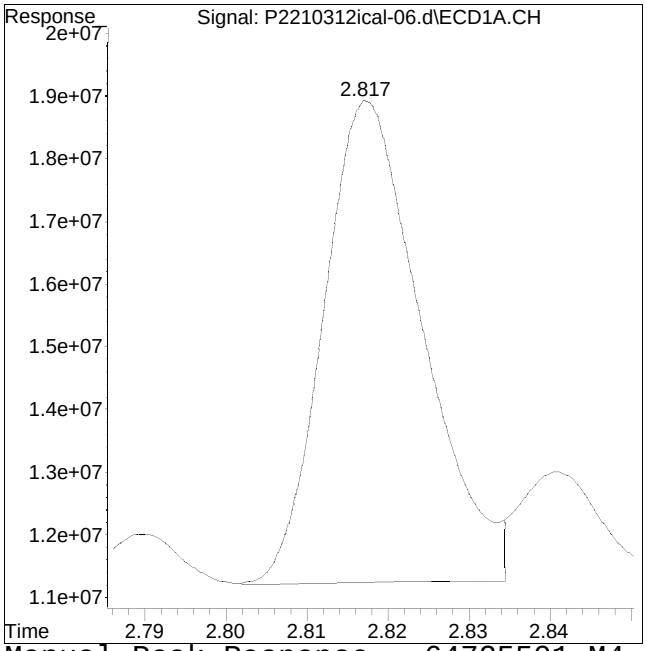
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #10: 1260-2



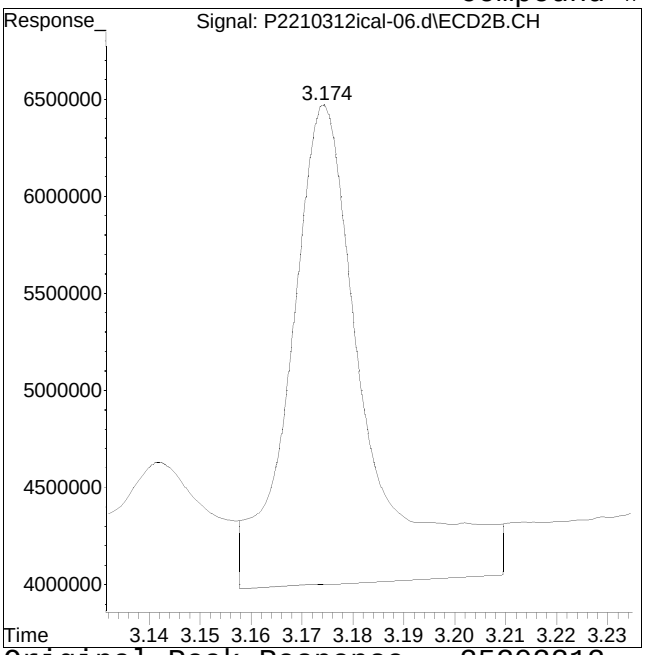


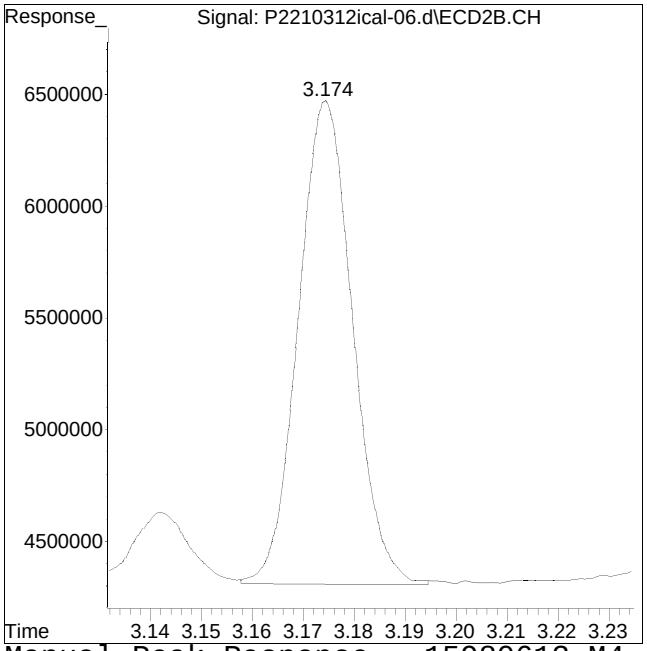
Original Peak Response = 108099699 Manual Peak Response = 64725501 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #61: 1260-2 #2



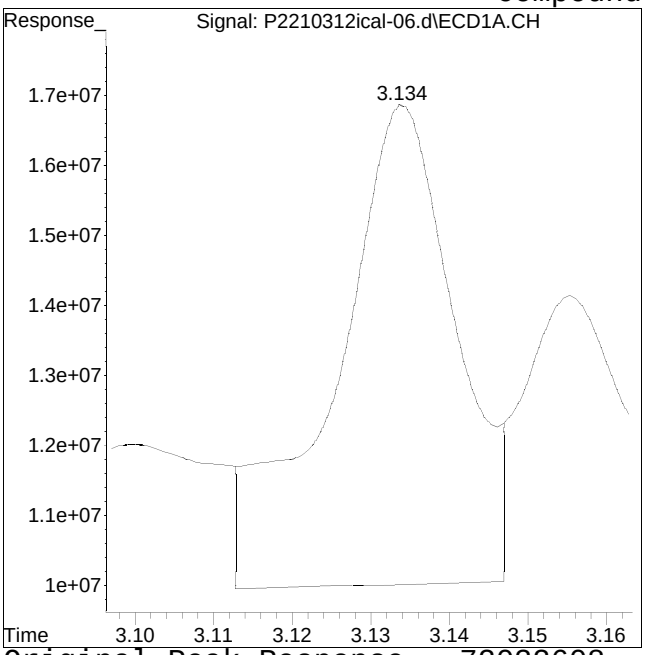


Original Peak Response = 25202212 Manual Peak Response = 15980613 M4
M4 = Poor automated baseline construction.

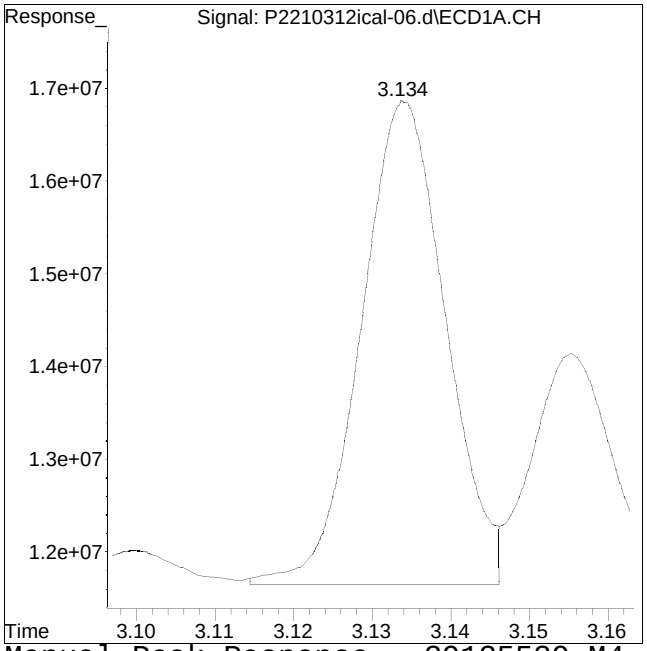
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #11: 1260-3



Original Peak Response = 72032608

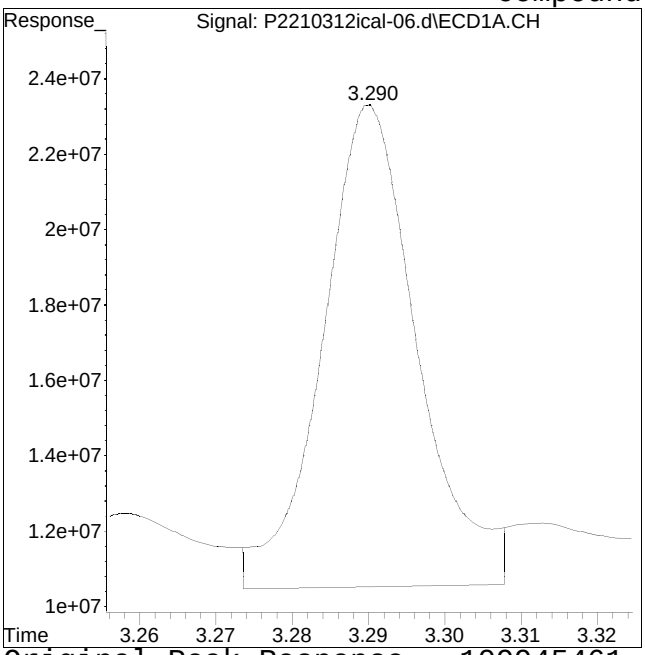


Manual Peak Response = 39135539 M4
M4 = Poor automated baseline construction.

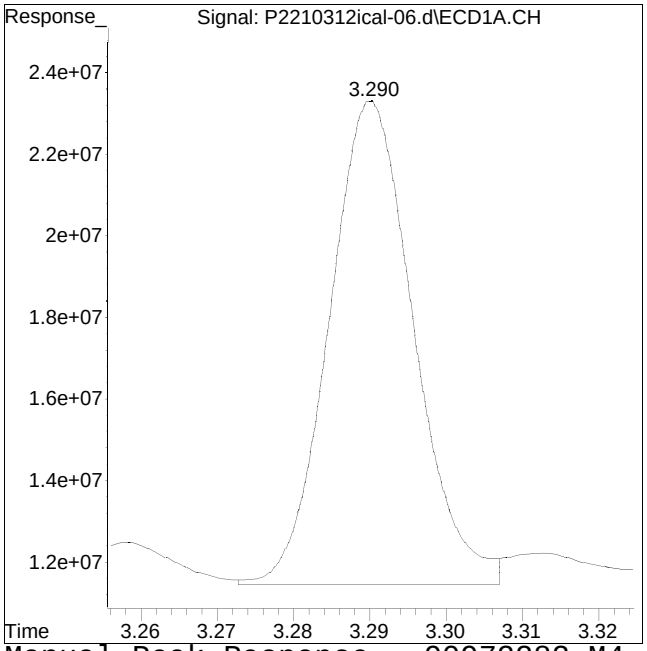
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #12: 1260-4



Original Peak Response = 109945461



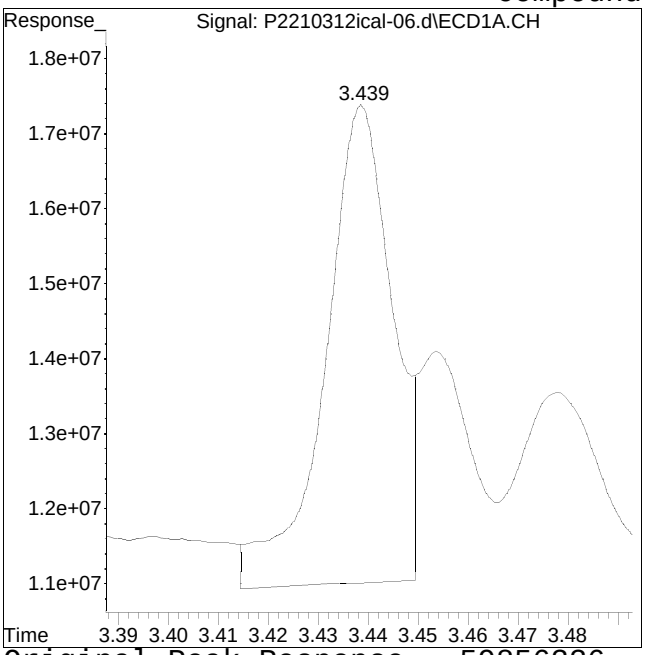
Manual Peak Response = 90972282 M4

M4 = Poor automated baseline construction.

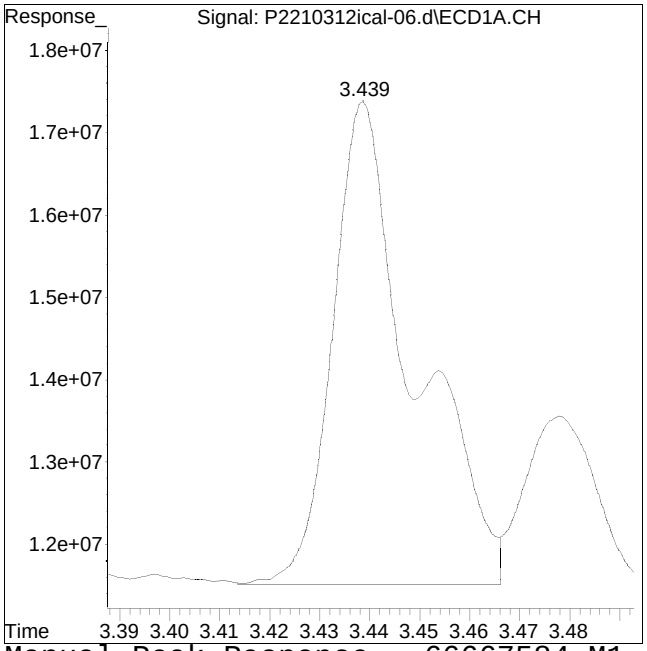
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-06.d Operator : pest2:kb
Date Inj'd : 3/12/2021 3:52 pm Instrument : PEST 2
Sample : il31660,42e,,10250 lvi Quant Date : 3/12/2021 6:11 pm

Compound #13: 1260-5



Original Peak Response = 59856336



Manual Peak Response = 66667584 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:00 pm
Operator : pest2:kb
Sample : il41660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:10:58 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:10:42 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.153	1.224	141.4E6	56014112	25.000M4	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.441	1.605	127.6E6	40568431	18.630M4	16.040
	Spiked Amount	20.000	Range 30 - 150		Recovery =	93.15%	80.20%
3) s	Decachlorobi	4.023	4.554	224.8E6	62090318	36.853M4	29.328
	Spiked Amount	20.000	Range 30 - 150		Recovery =	184.27%#	146.64%
	Target Compounds						
4) l1	1016-1	1.582	1.809	34324319	11680540	291.657M4	246.335
5) l1	1016-2	1.726	1.982	61783209	25396787	251.660M4	249.443M4
6) l1	1016-3	1.915	2.186	160.6E6	51071541	301.296M4	239.763
7) l1	1016-4	1.970	2.247	63221232	20391031	298.552M4	238.507
8) l1	1016-5	2.141	2.459	70338799	16616871	300.228M4	233.559
	Sum 1016-1			390.3E6	125.2E6	1443.394	1207.607
	Average 1016-1					288.679	241.521
9) l2	1260-1	2.687	3.072	112.9E6	32730469	317.721M4	234.037M4
10) l2	1260-2	2.817	3.174	160.4E6	39350090	302.190M4	238.744M4
11) l2	1260-3	3.134	3.569	102.4E6	32732900	311.807M4	227.198M4
12) l2	1260-4	3.290	3.699	214.7E6	66487506	288.377M4	239.228M4
13) l2	1260-5	3.438	3.903	165.1E6	47827242	295.599M4	236.634M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:00 pm
Operator : pest2:kb
Sample : il41660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:10:58 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:10:42 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			755.3E6	219.1E6	N.D.	N.D. D
Average	1260-1					303.139	235.168
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:00 pm
Operator : pest2:kb
Sample : il41660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:10:58 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:10:42 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:00 pm
Operator : pest2:kb
Sample : il41660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:10:58 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:10:42 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

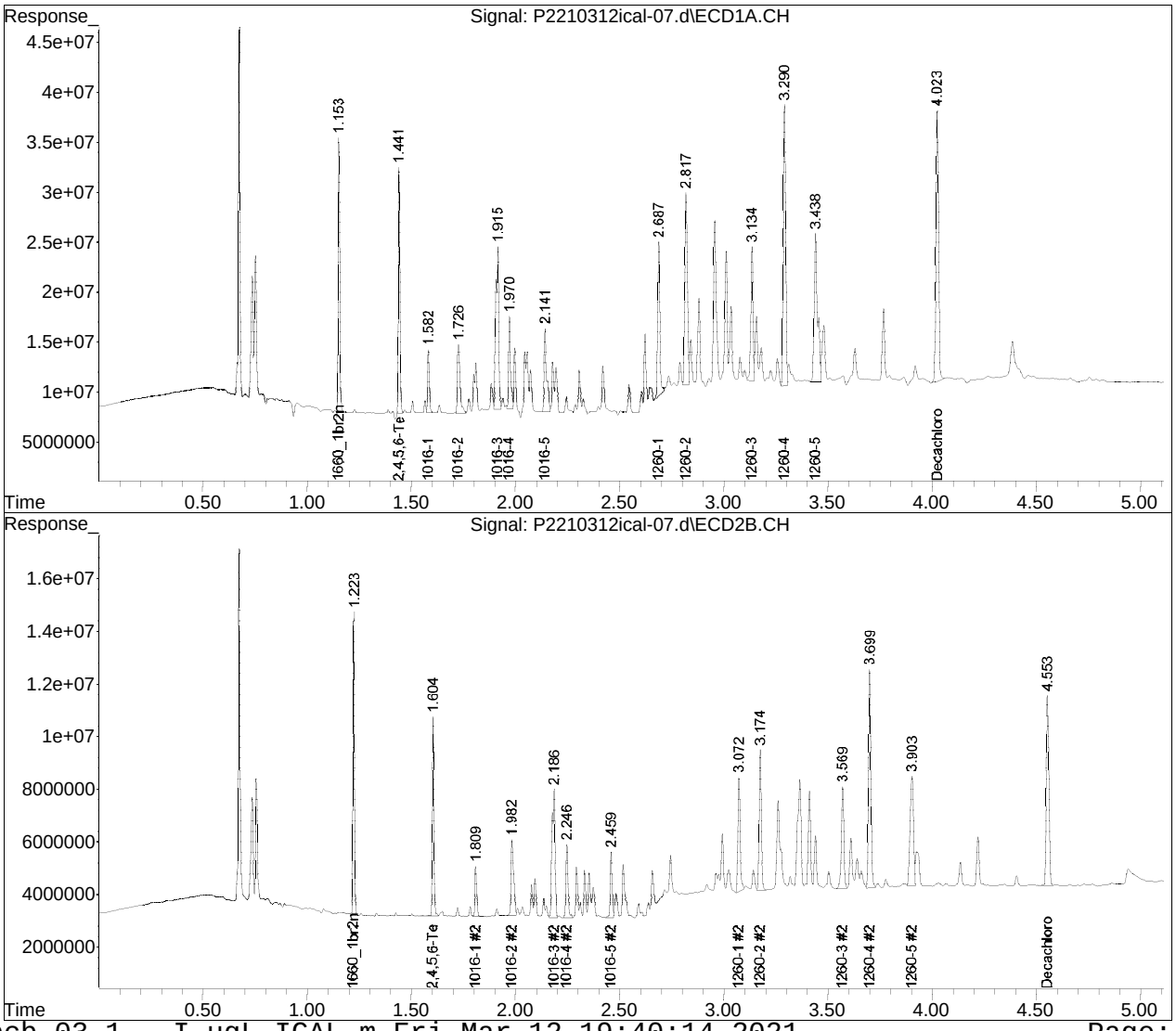
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:00 pm
Operator : pest2:kb
Sample : il41660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:10:58 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:10:42 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

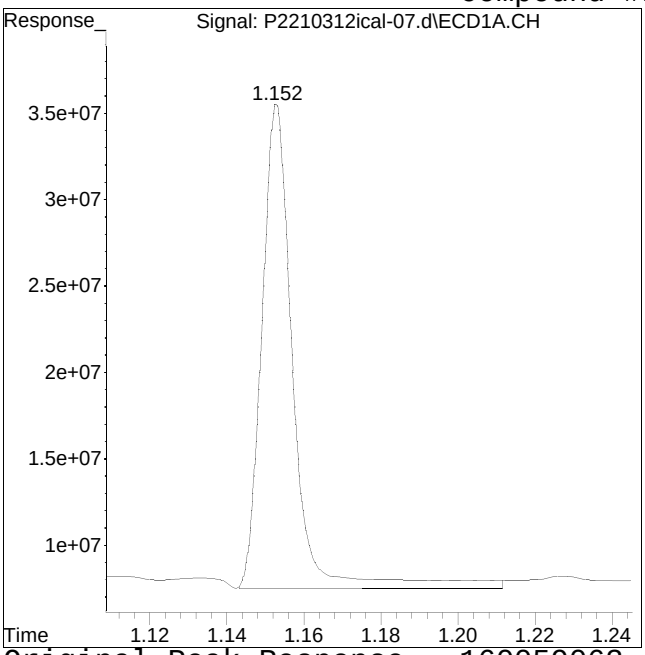
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

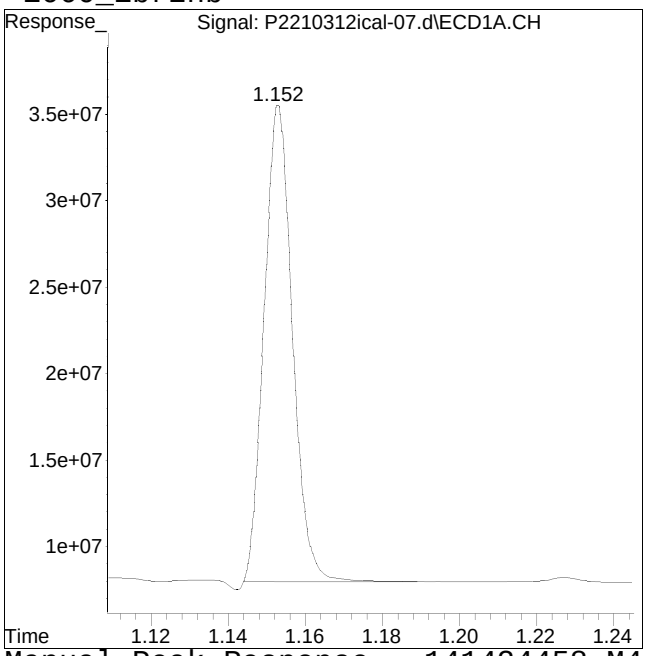


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #1: 1660_1br2nb



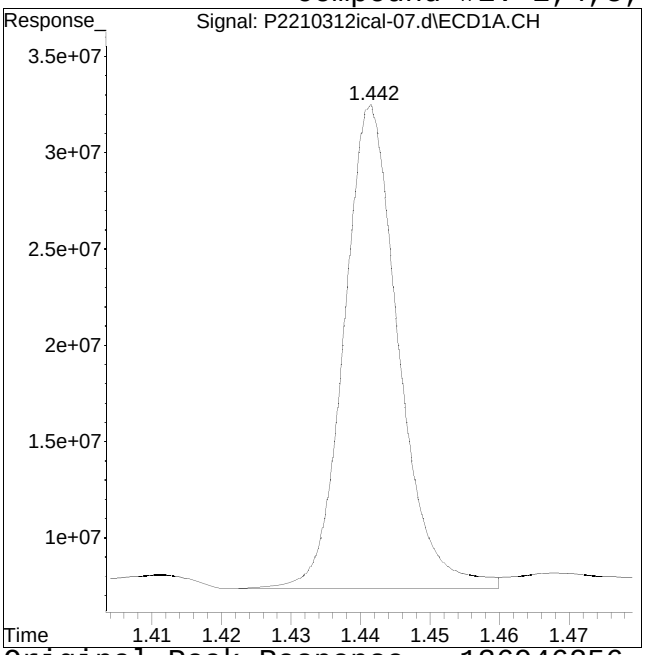


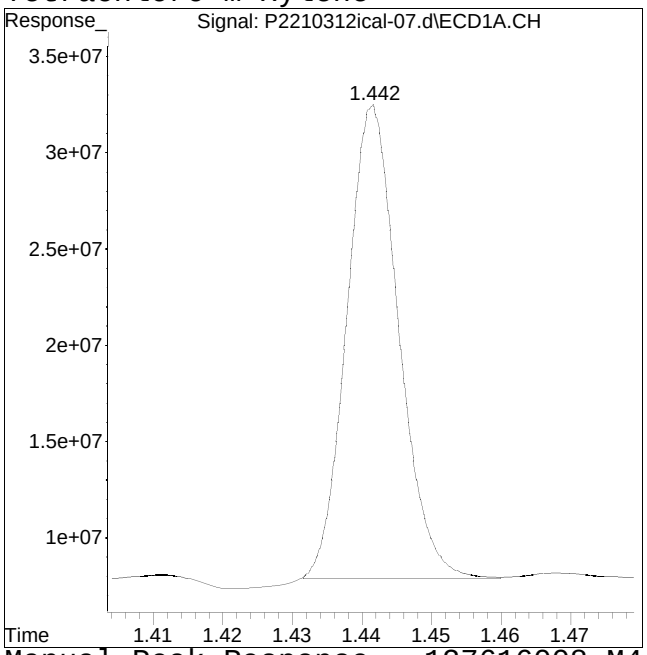
Original Peak Response = 160059063 Manual Peak Response = 141424458 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



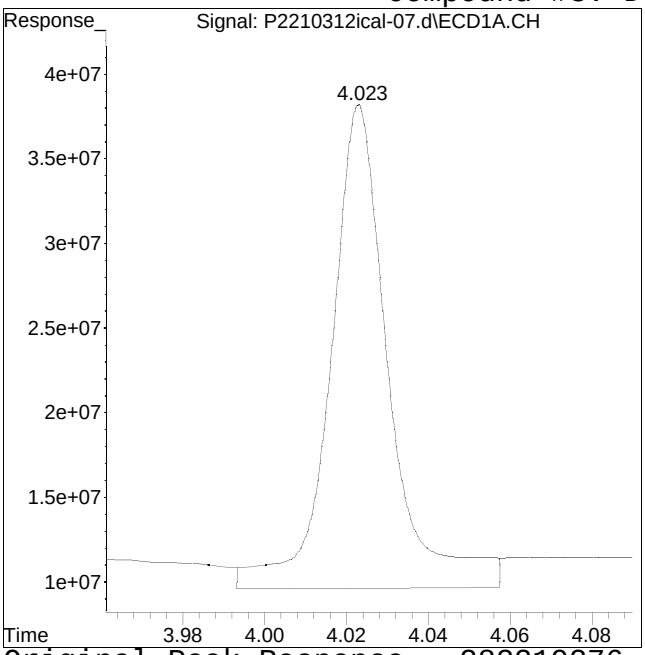


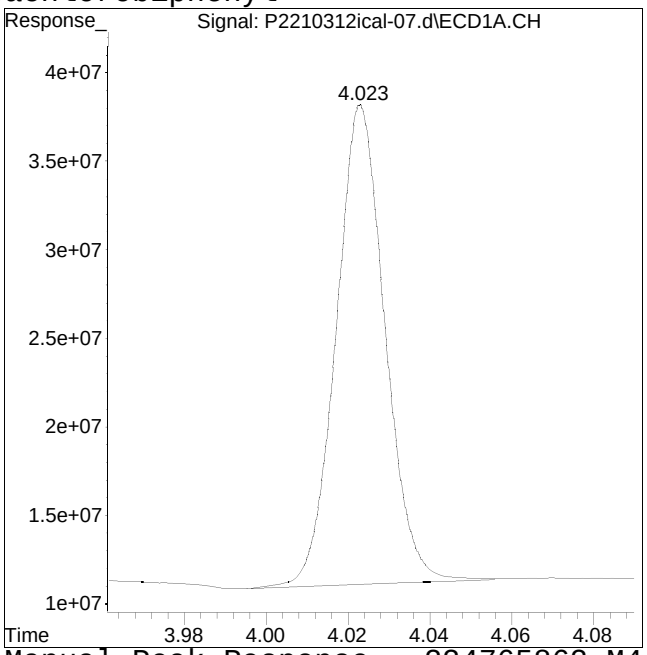
Original Peak Response = 136946256 Manual Peak Response = 127616008 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #3: Decachlorobiphenyl



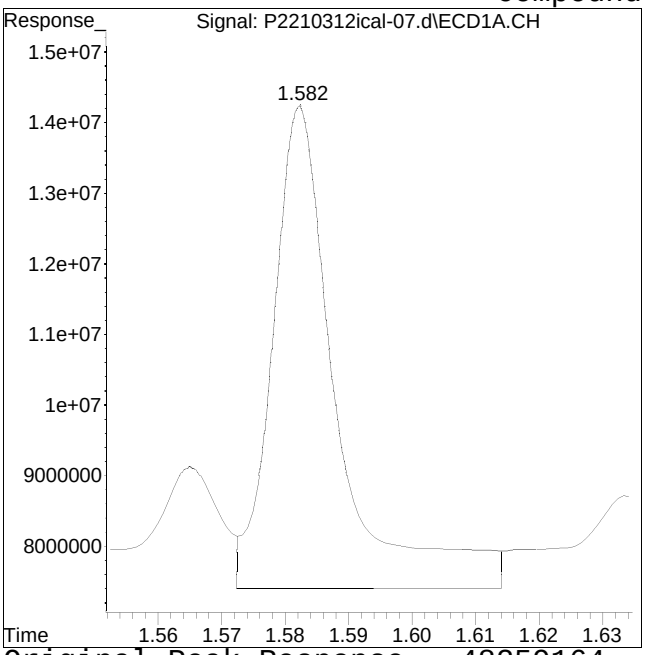


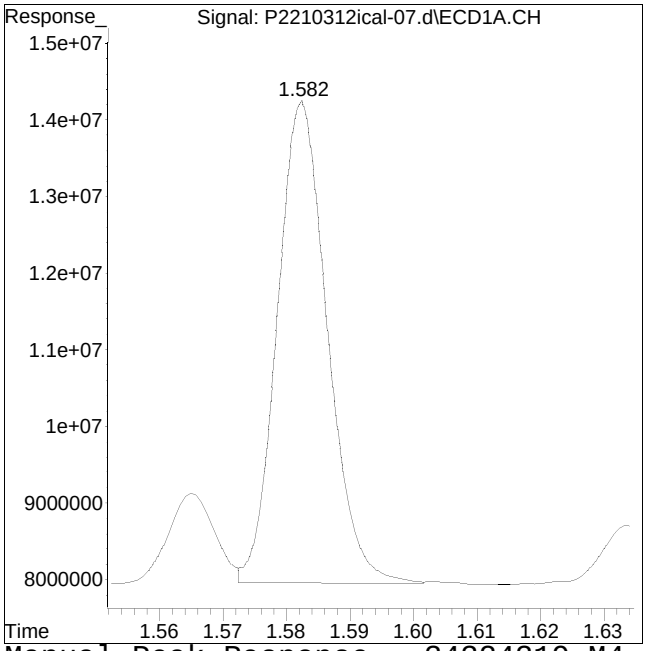
Original Peak Response = 282219276 Manual Peak Response = 224765862 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #4: 1016-1



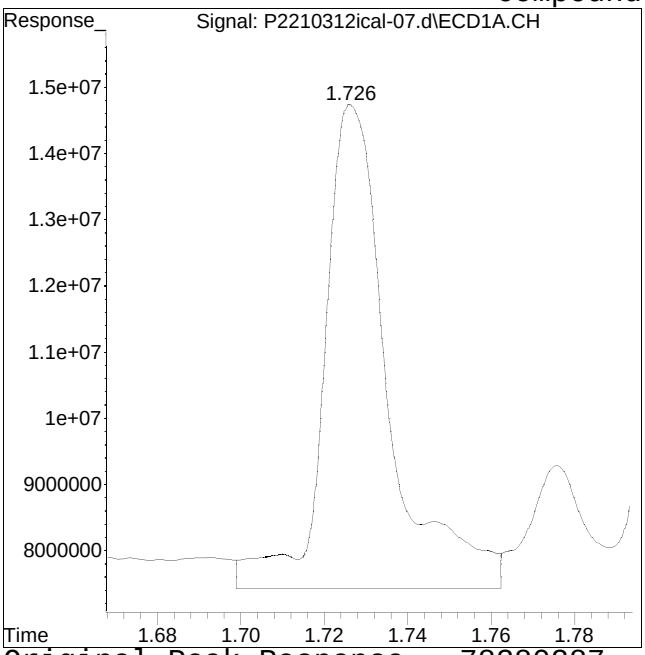


Original Peak Response = 48259164 Manual Peak Response = 34324319 M4
M4 = Poor automated baseline construction.

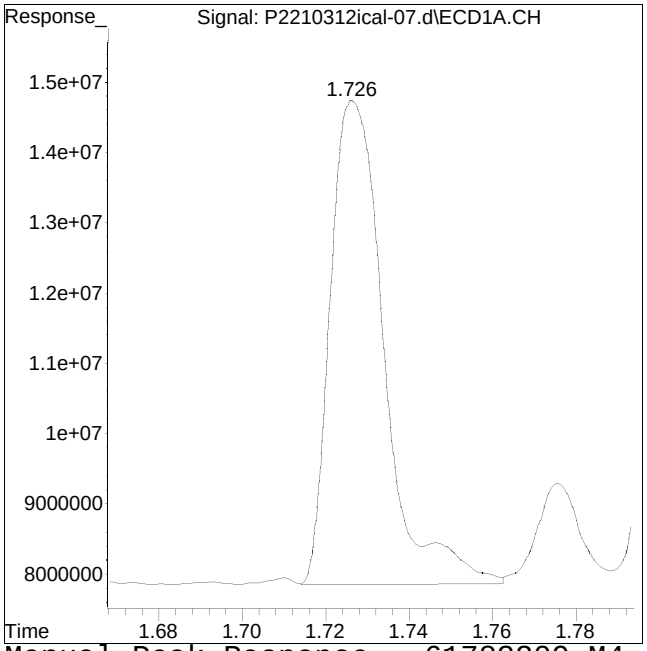
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #5: 1016-2



Original Peak Response = 78380287

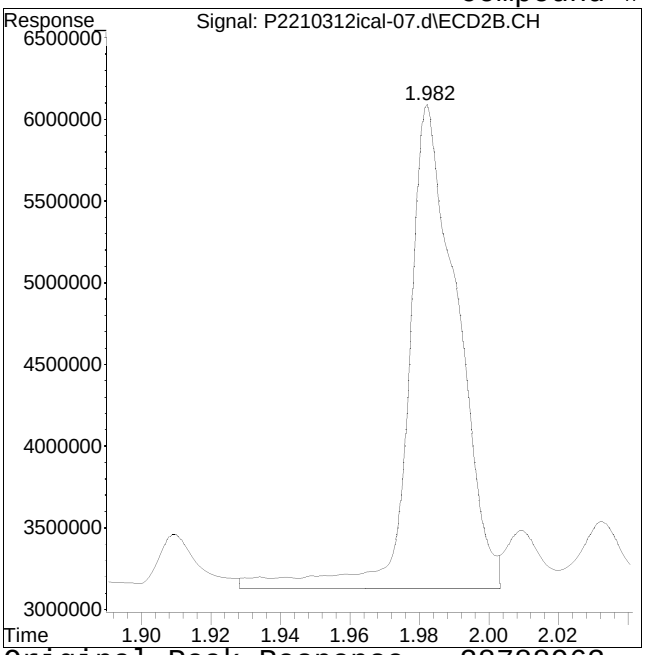


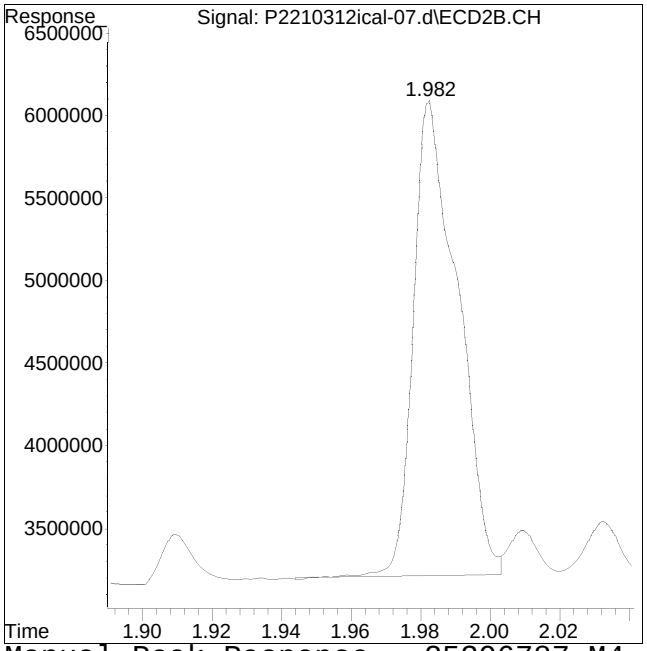
Manual Peak Response = 61783209 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #56: 1016-2 #2



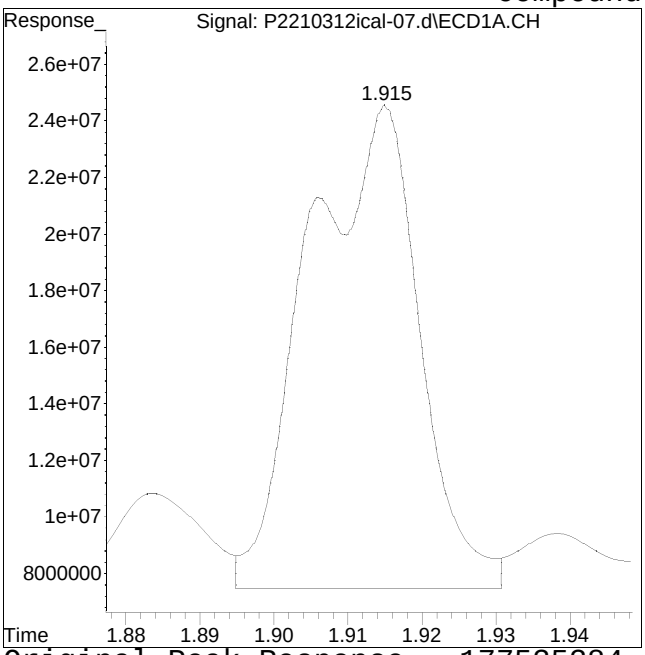


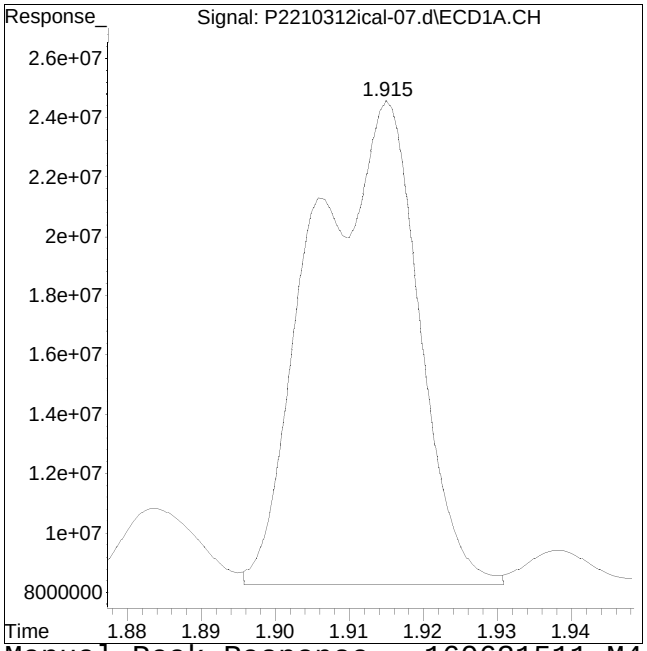
Original Peak Response = 28788963 Manual Peak Response = 25396787 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #6: 1016-3



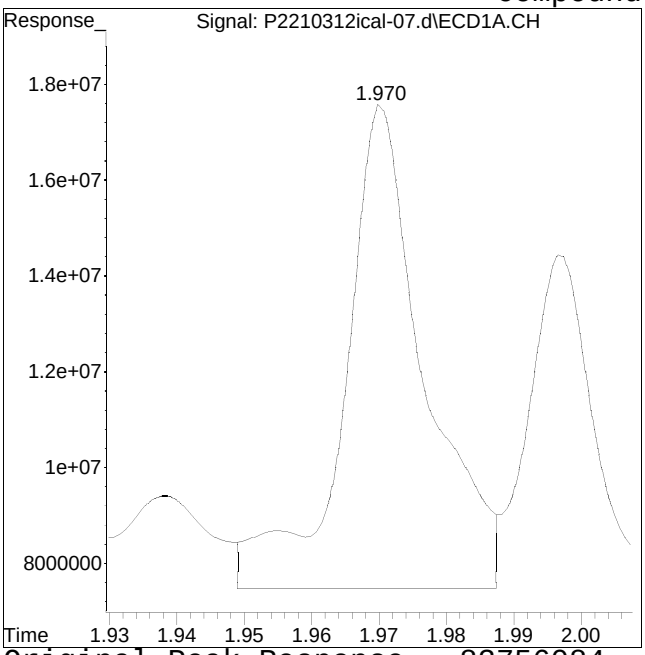


Original Peak Response = 177535384 Manual Peak Response = 160631511 M4
M4 = Poor automated baseline construction.

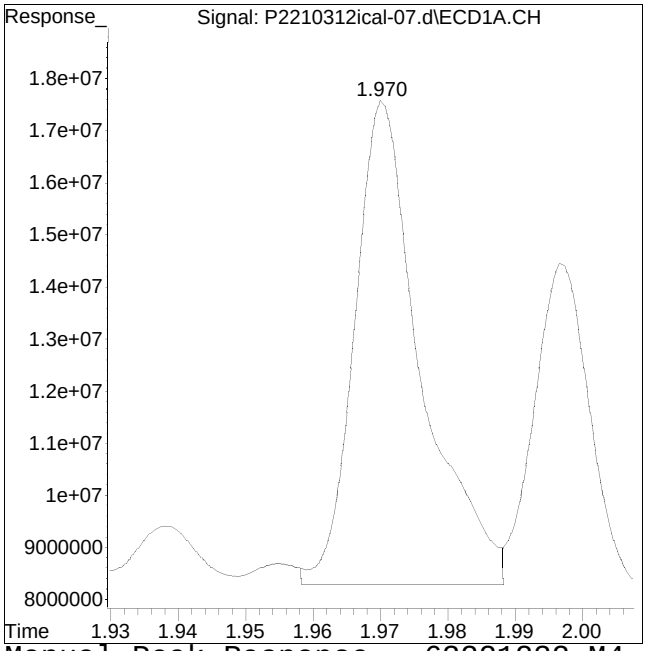
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #7: 1016-4



Original Peak Response = 83756084



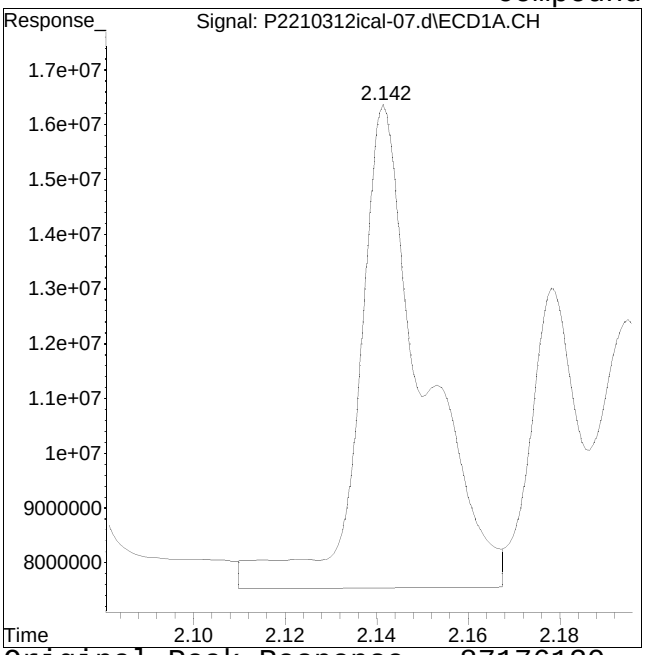
Manual Peak Response = 63221232 M4

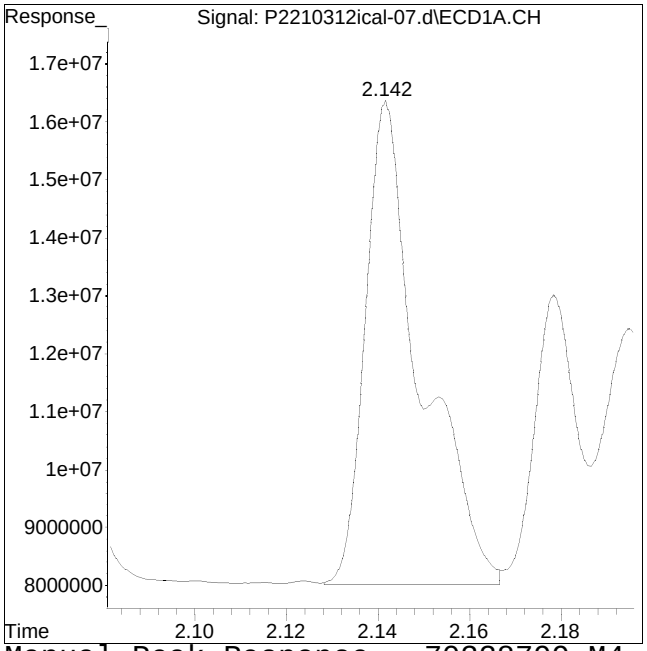
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #8: 1016-5



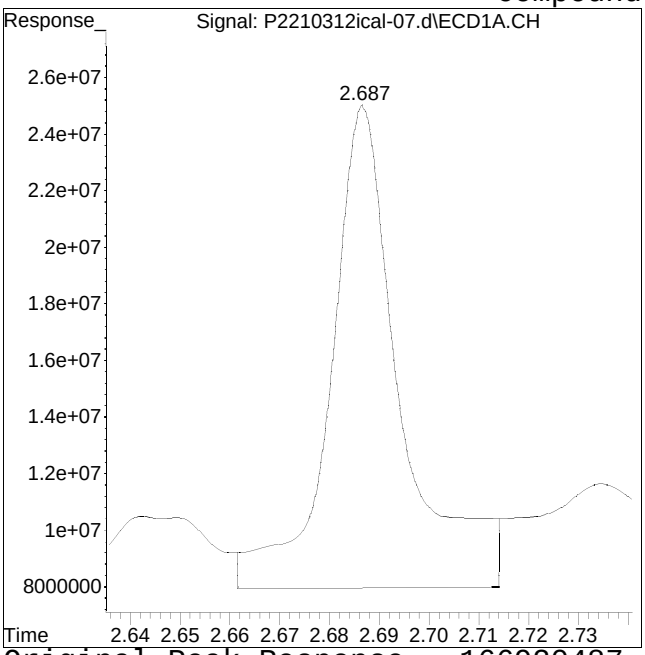


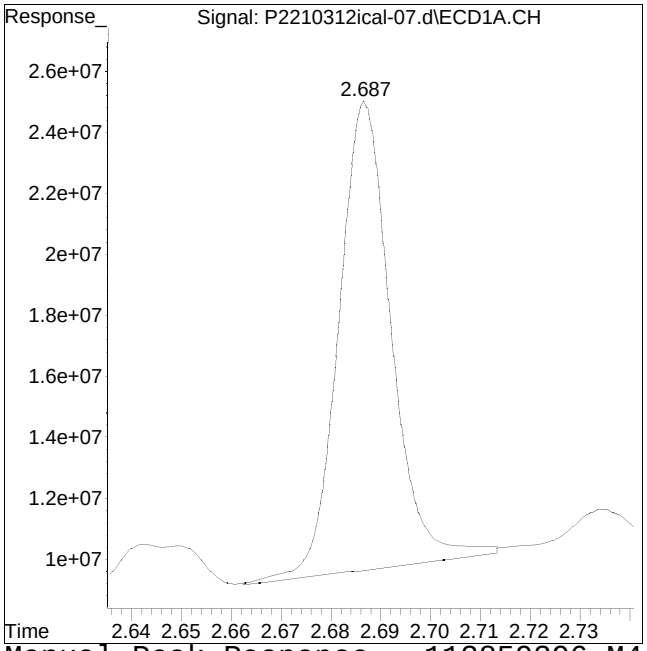
Original Peak Response = 87176130 Manual Peak Response = 70338799 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #9: 1260-1



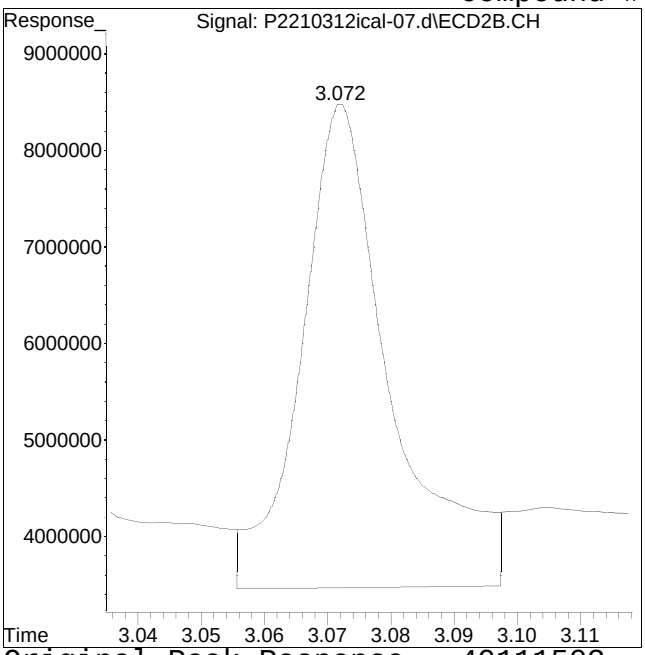


Original Peak Response = 166920487 Manual Peak Response = 112859396 M4
M4 = Poor automated baseline construction.

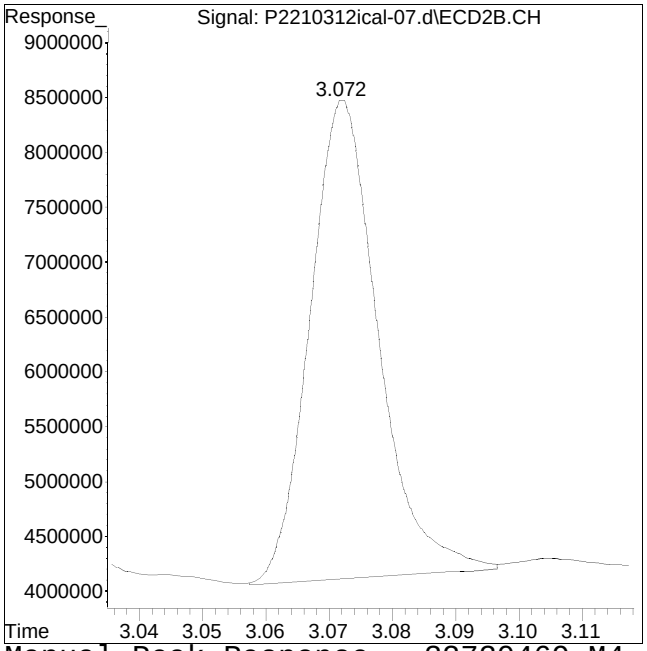
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #60: 1260-1 #2



Original Peak Response = 49111503



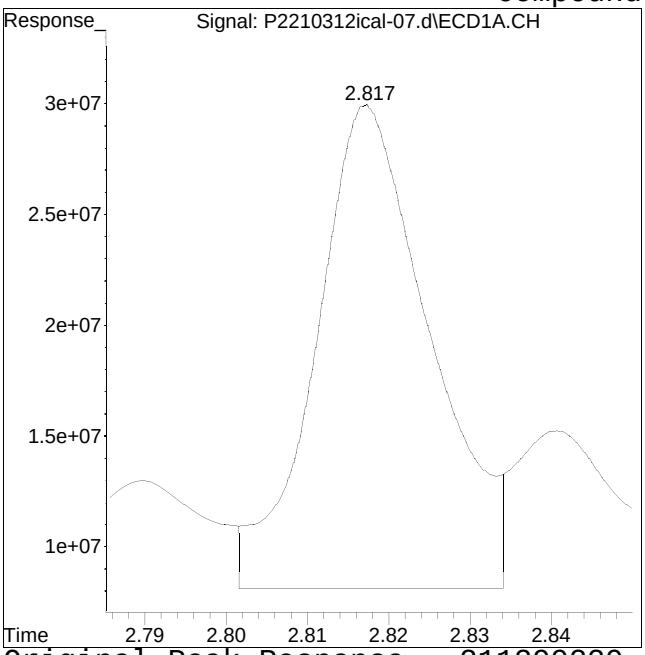
Manual Peak Response = 32730469 M4

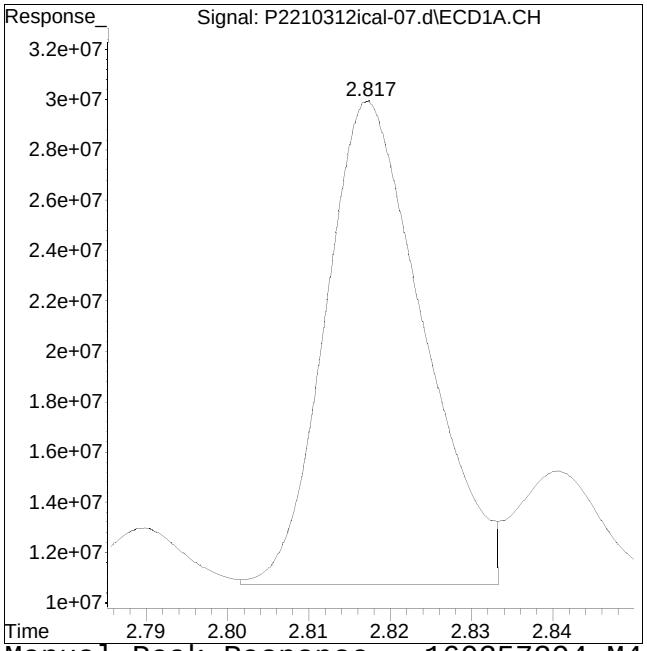
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #10: 1260-2



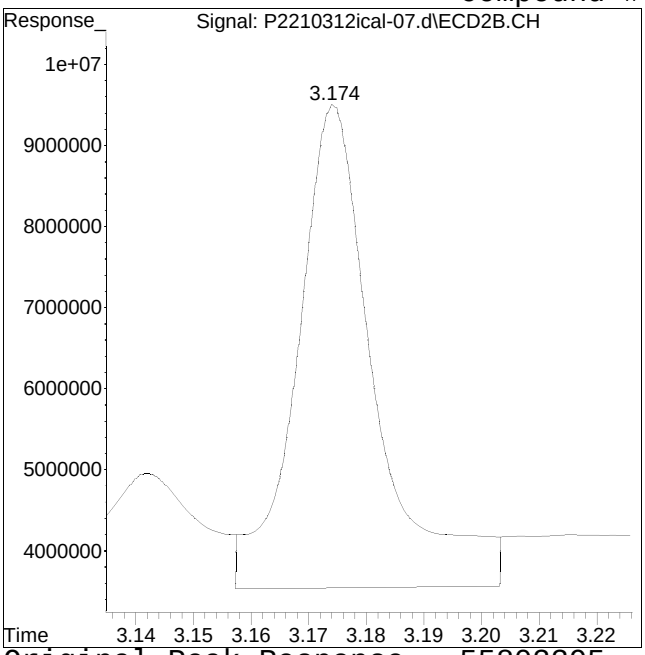


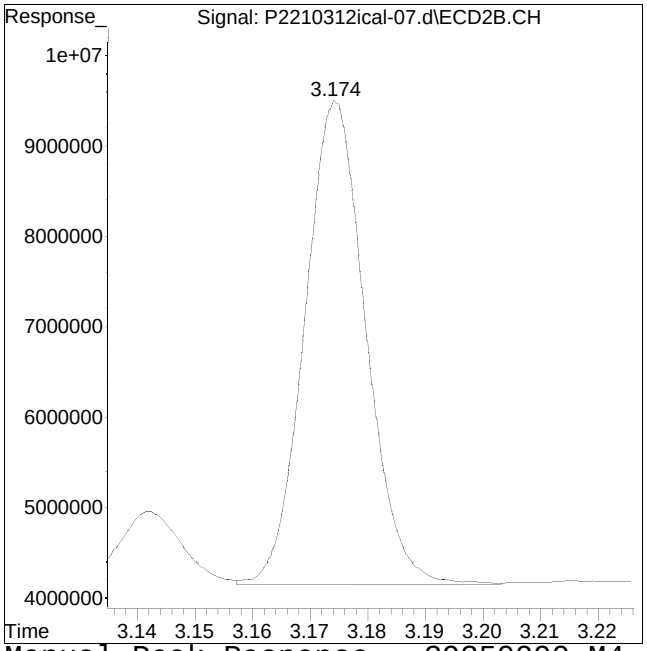
Original Peak Response = 211299229 Manual Peak Response = 160357294 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #61: 1260-2 #2



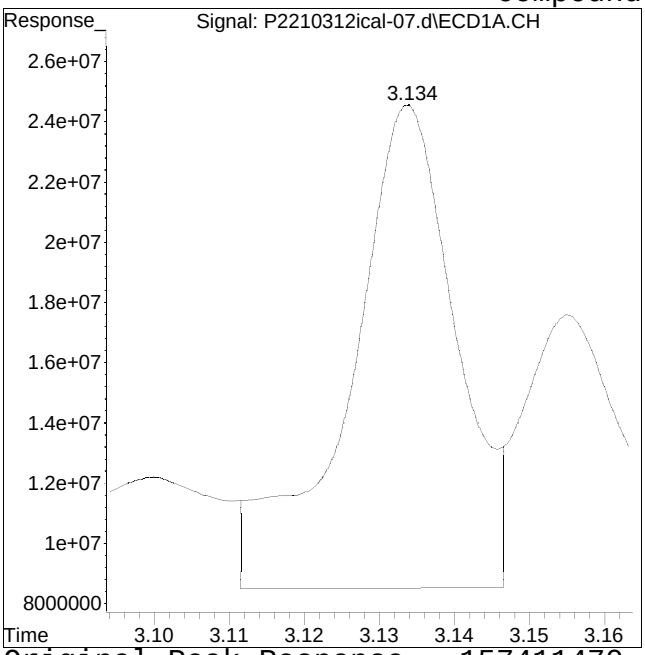


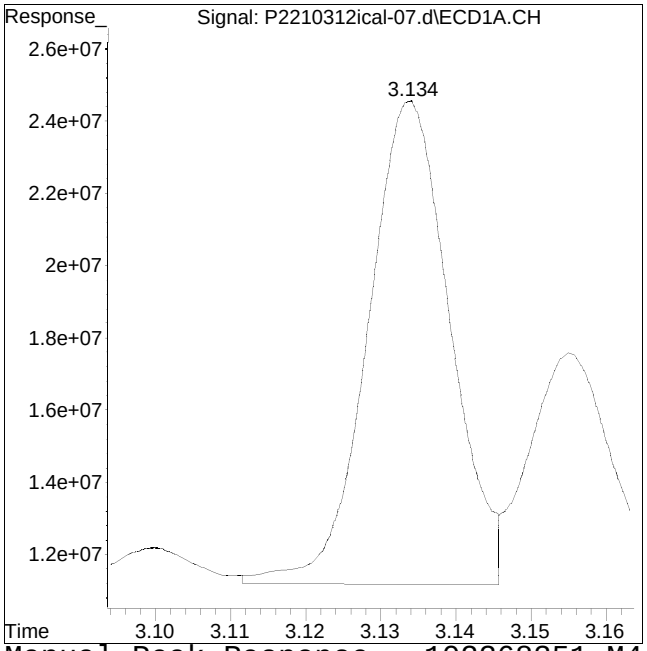
Original Peak Response = 55803395 Manual Peak Response = 39350090 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #11: 1260-3



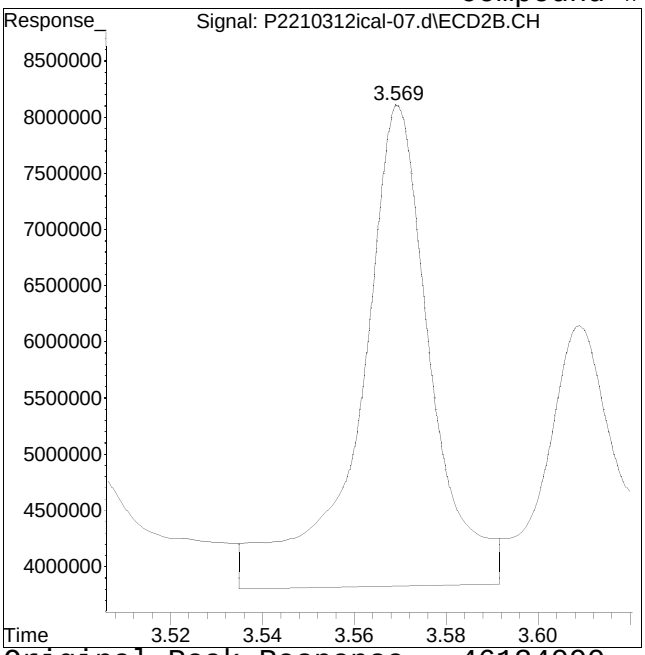


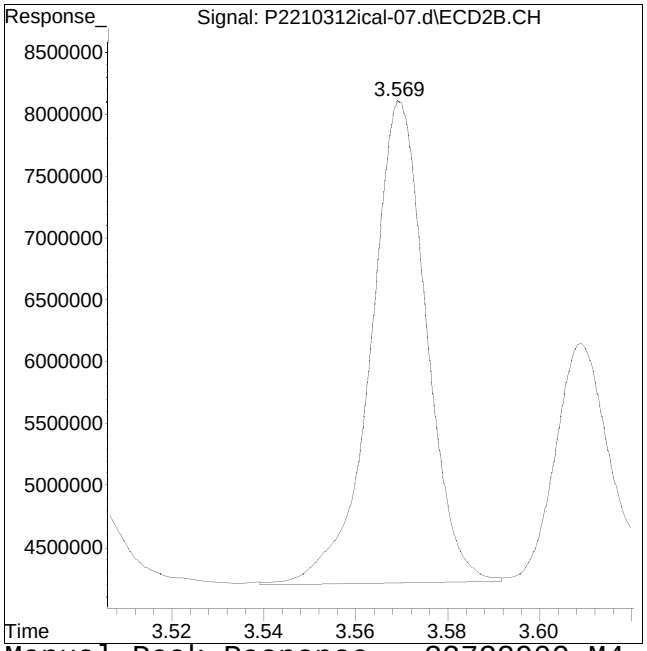
Original Peak Response = 157411470 Manual Peak Response = 102368351 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #62: 1260-3 #2



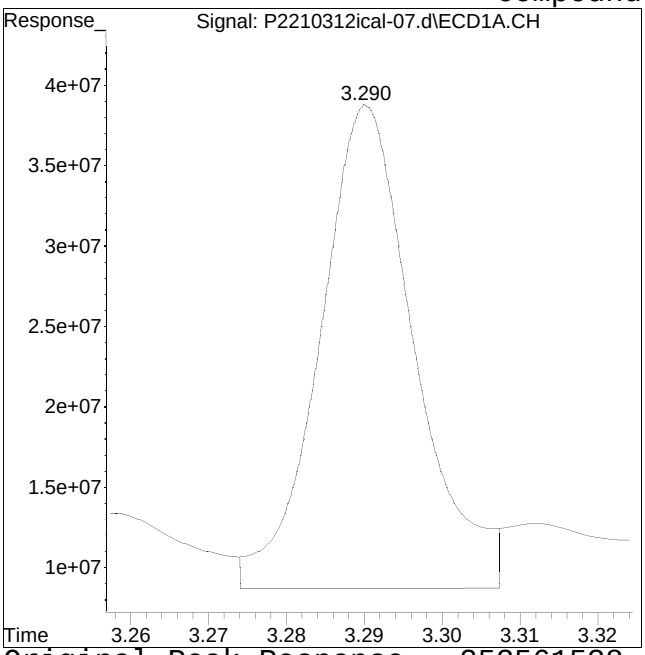


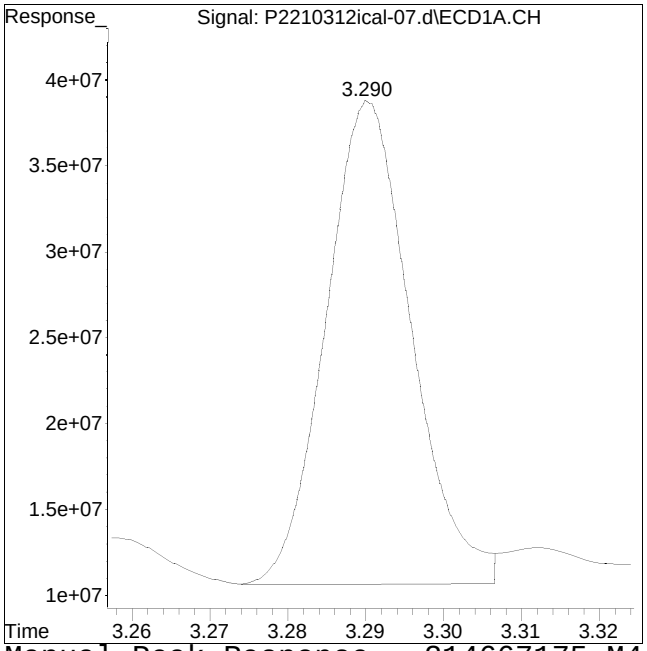
Original Peak Response = 46134090 Manual Peak Response = 32732900 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #12: 1260-4



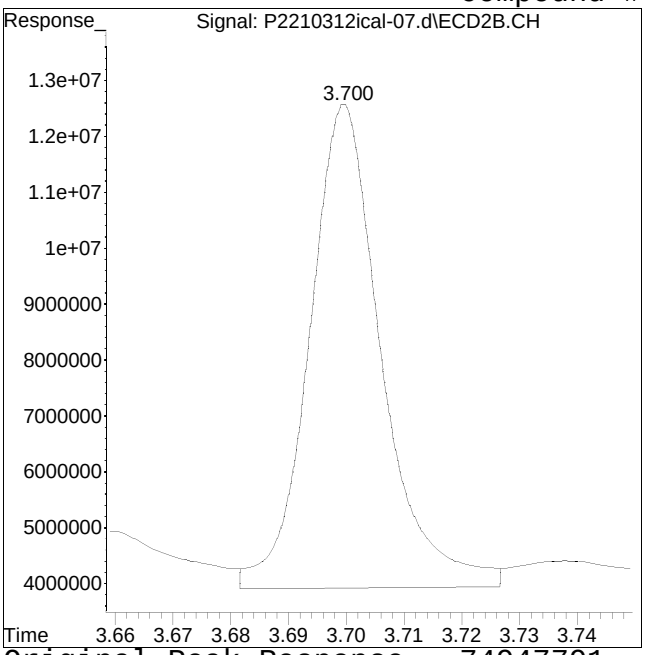


Original Peak Response = 253561538 Manual Peak Response = 214667175 M4
M4 = Poor automated baseline construction.

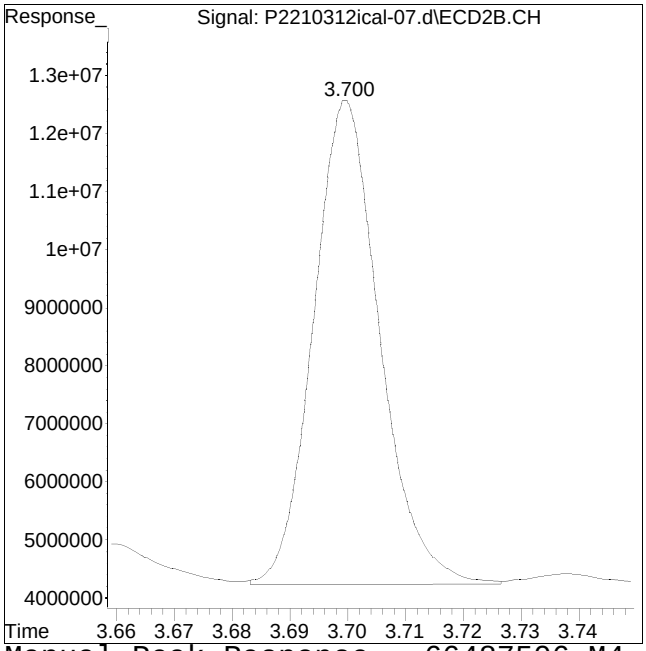
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #63: 1260-4 #2



Original Peak Response = 74947791



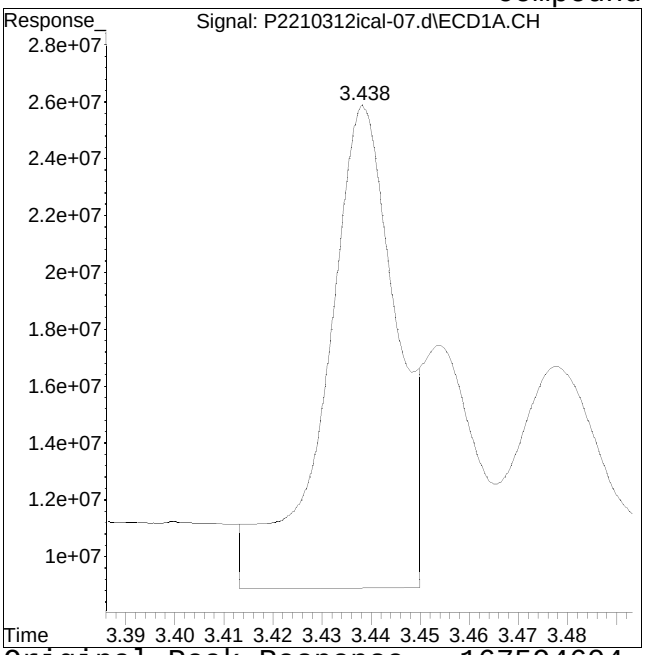
Manual Peak Response = 66487506 M4

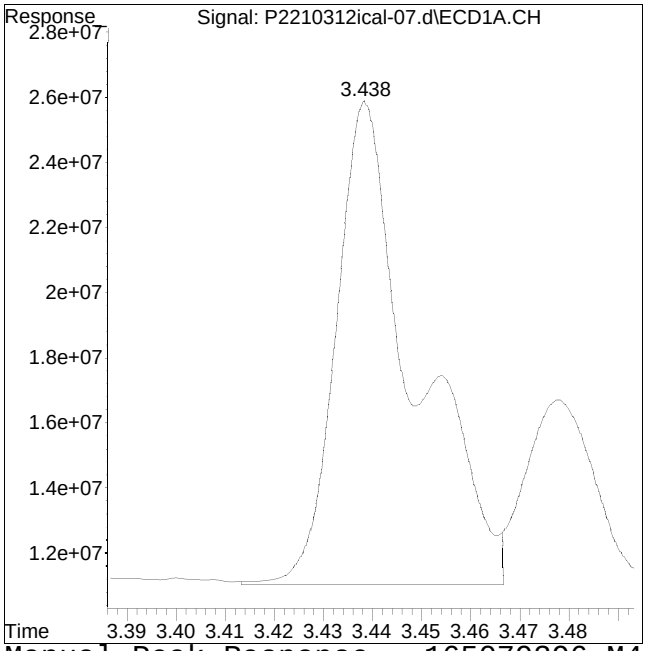
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #13: 1260-5



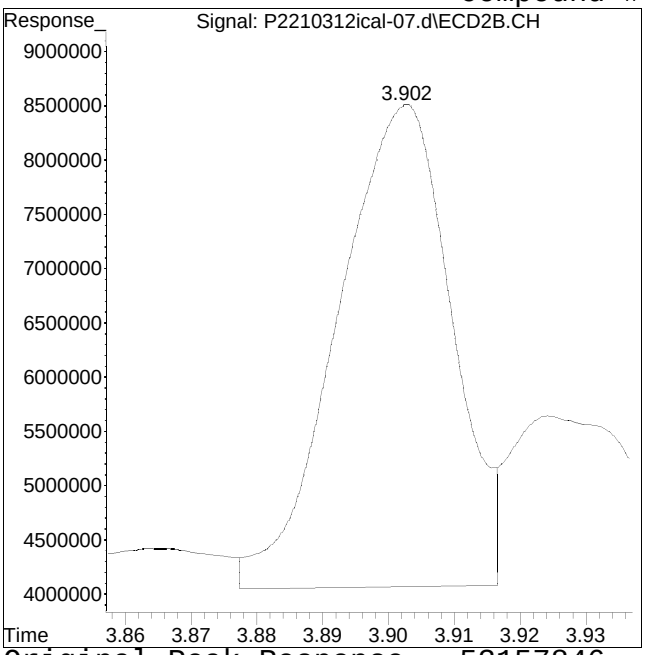


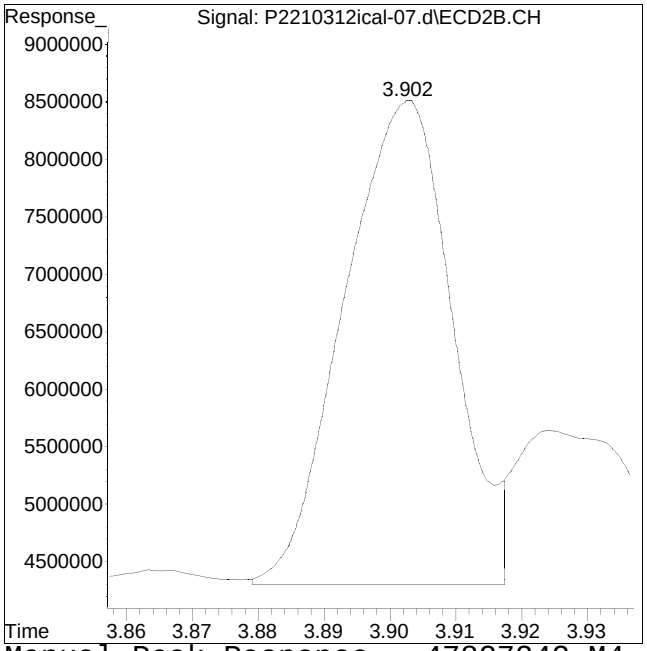
Original Peak Response = 167594604 Manual Peak Response = 165079396 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-07.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:00 pm Instrument : PEST 2
Sample : il41660,42e,,10250 lvi Quant Date : 3/12/2021 7:10 pm

Compound #64: 1260-5 #2





Original Peak Response = 53157846 Manual Peak Response = 47827242 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:08 pm
Operator : pest2:kb
Sample : il51660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:08:25 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:06:38 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.153	1.223	179.6E6	54587836	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.442	1.605	257.2E6	79324672	25.400	32.103
Spiked Amount	20.000	Range 30 - 150		Recovery =		127.00%	160.52%#
3) s	Decachlorobi	4.023	4.554	447.8E6	120.5E6	50.210	63.708
Spiked Amount	20.000	Range 30 - 150		Recovery =		251.05%#	318.54%#
	Target Compounds						
4) l1	1016-1	1.583	1.809	72423137	22385810	415.446	491.645
5) l1	1016-2	1.726	1.982	148.4E6	49729959	473.045	502.321M4
6) l1	1016-3	1.915	2.186	331.1E6	101.9E6	405.831	511.674
7) l1	1016-4	1.971	2.246	133.8E6	40684779	416.753	511.840
8) l1	1016-5	2.142	2.459	141.3E6	32798835	395.421	506.350
Sum	1016-1			827.0E6	247.5E6	2106.496	2523.830
Average	1016-1					421.299	504.766
9) l2	1260-1	2.687	3.072	218.5E6	65789975	381.139M4	515.643M4
10) l2	1260-2	2.817	3.174	323.2E6	76695181	396.846M3	499.993M4
11) l2	1260-3	3.134	3.570	206.4E6	64414488	397.059M4	504.825
12) l2	1260-4	3.291	3.699	453.3E6	131.6E6	415.760	507.896
13) l2	1260-5	3.438	3.903	324.3E6	94104459	386.787M1	504.750
Sum	1260-1			1525.7E6	432.6E6	NoCal	NoCal D
Average	1260-1					395.518	506.621
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:08 pm
Operator : pest2:kb
Sample : il51660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:08:25 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:06:38 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:08 pm
Operator : pest2:kb
Sample : il51660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:08:25 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:06:38 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39)	l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

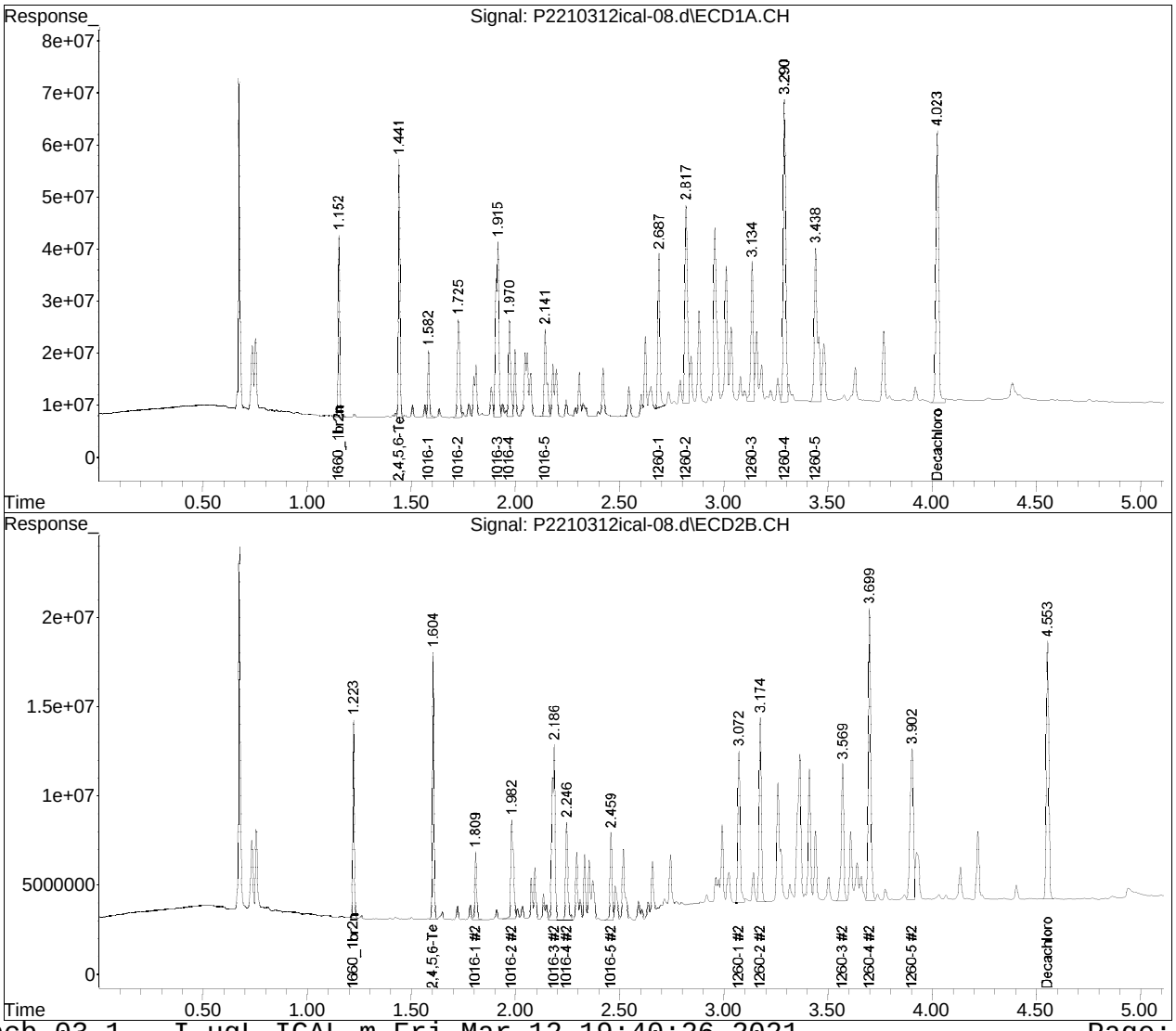
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:08 pm
Operator : pest2:kb
Sample : il51660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:08:25 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:06:38 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

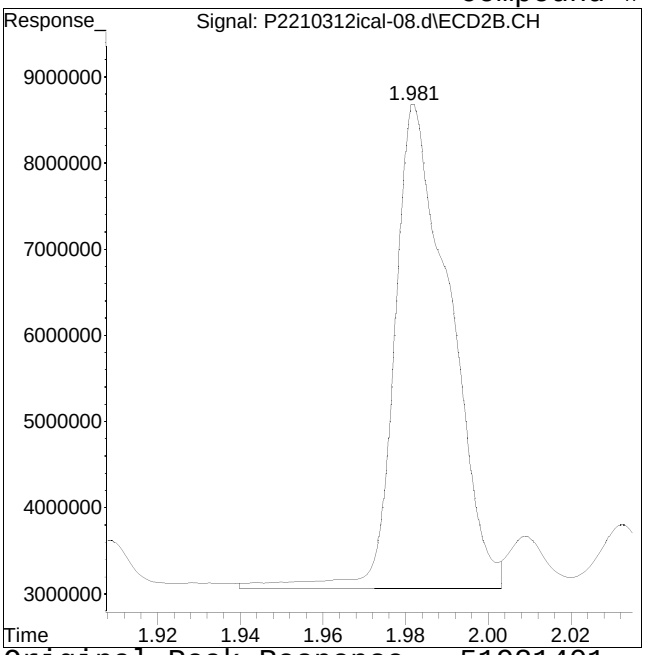
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

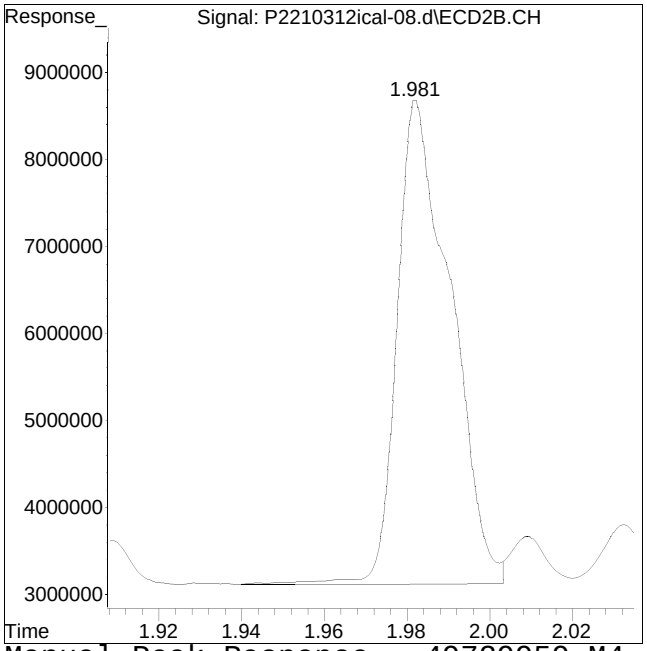


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-08.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:08 pm Instrument : PEST 2
Sample : il51660,42e,,10250 lvi Quant Date : 3/12/2021 6:06 pm

Compound #56: 1016-2 #2



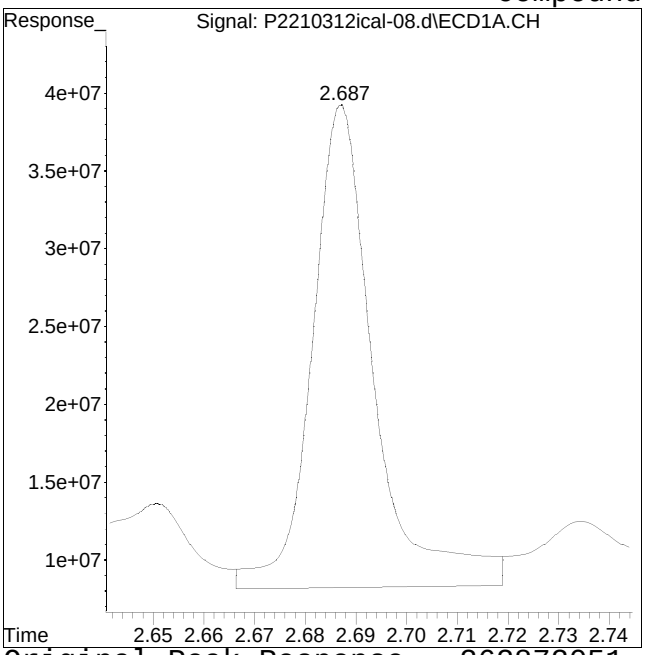


Original Peak Response = 51921401 Manual Peak Response = 49729959 M4
M4 = Poor automated baseline construction.

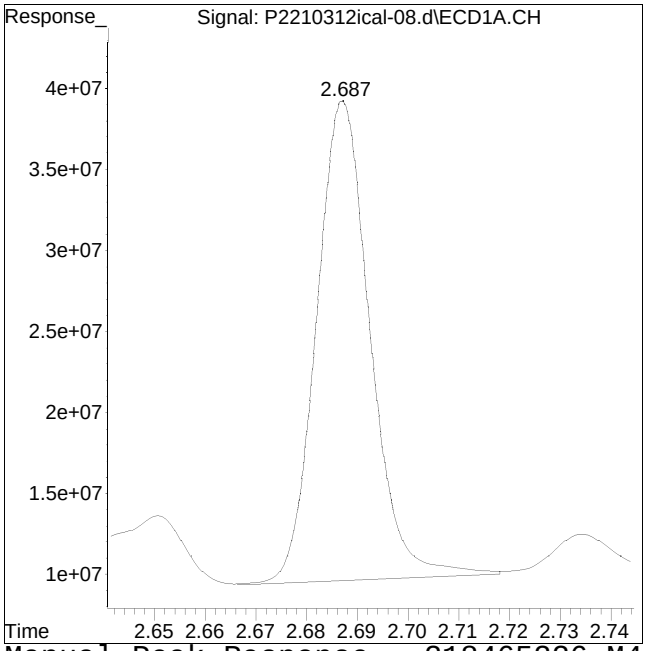
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-08.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:08 pm Instrument : PEST 2
Sample : il51660,42e,,10250 lvi Quant Date : 3/12/2021 6:06 pm

Compound #9: 1260-1



Original Peak Response = 262872051



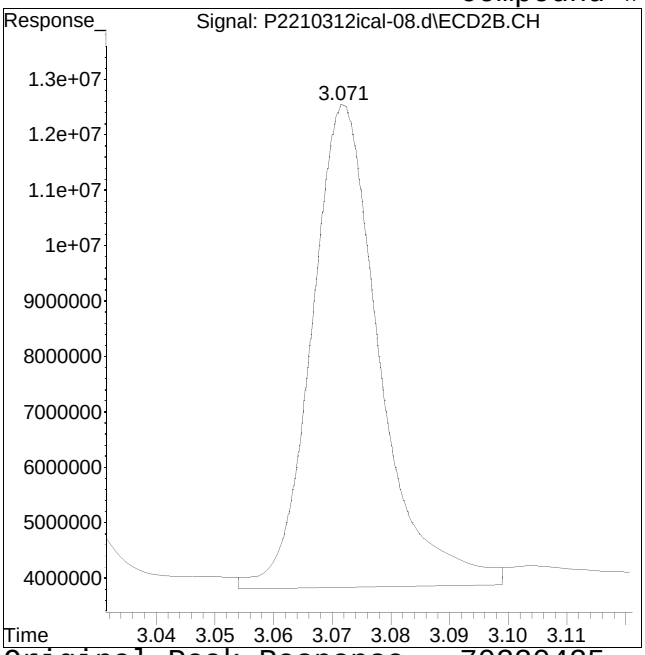
Manual Peak Response = 218465226 M4

M4 = Poor automated baseline construction.

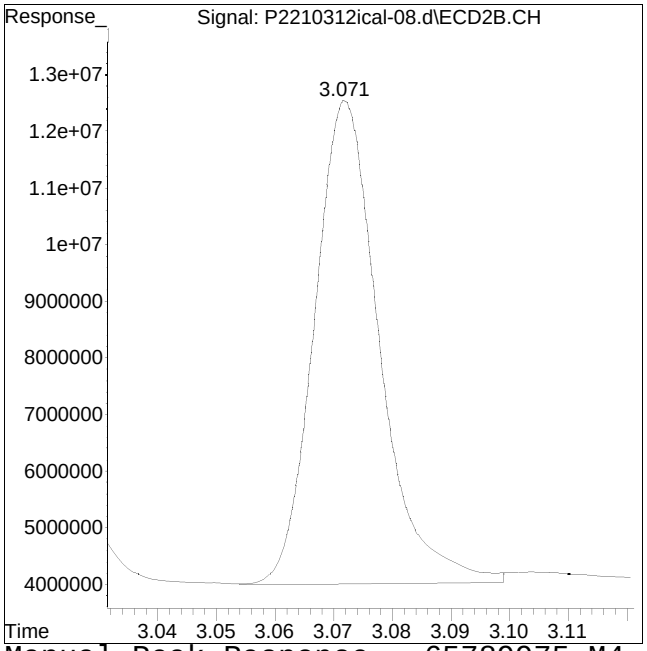
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-08.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:08 pm Instrument : PEST 2
Sample : il51660,42e,,10250 lvi Quant Date : 3/12/2021 6:06 pm

Compound #60: 1260-1 #2



Original Peak Response = 70330435

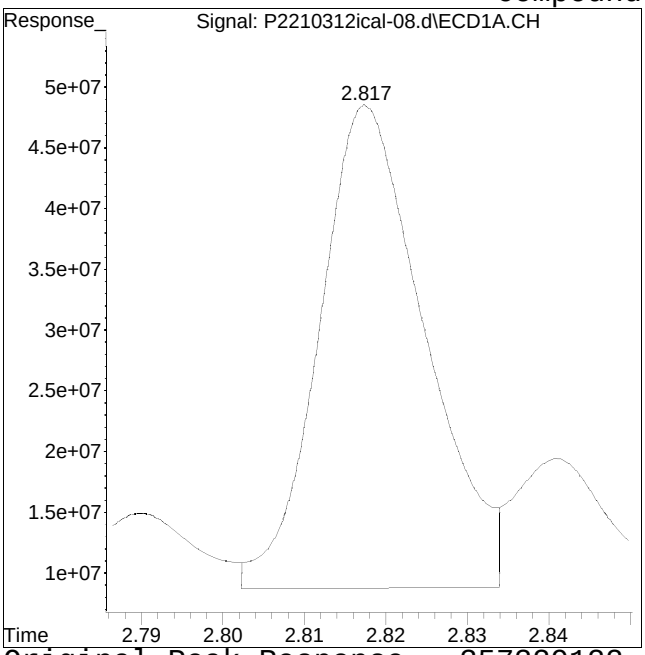


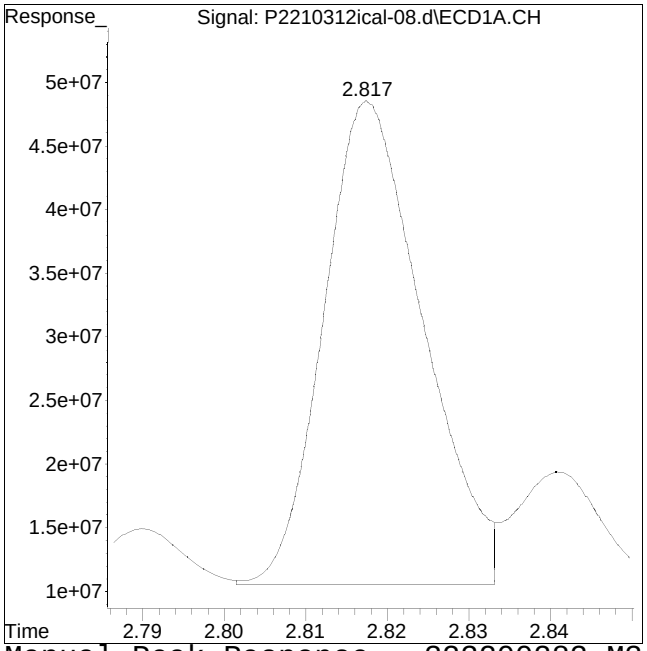
Manual Peak Response = 65789975 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-08.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:08 pm Instrument : PEST 2
Sample : il51660,42e,,10250 lvi Quant Date : 3/12/2021 6:06 pm

Compound #10: 1260-2



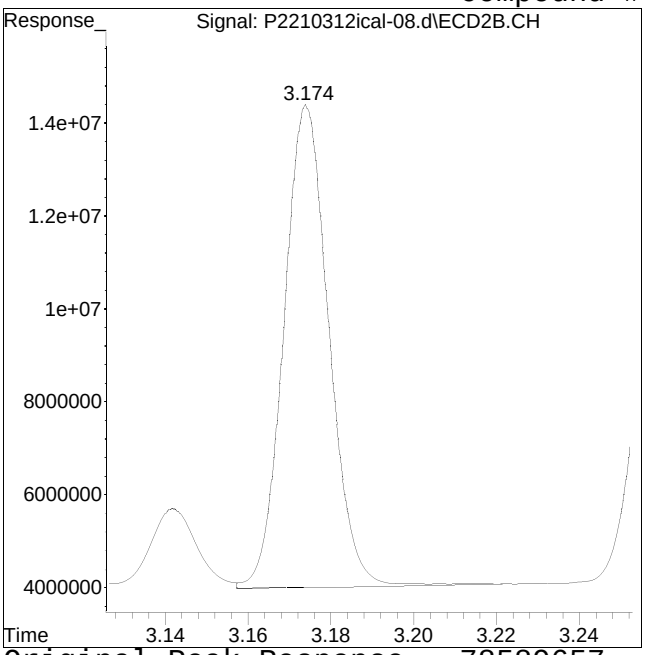


Original Peak Response = 357329122 Manual Peak Response = 323200283 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

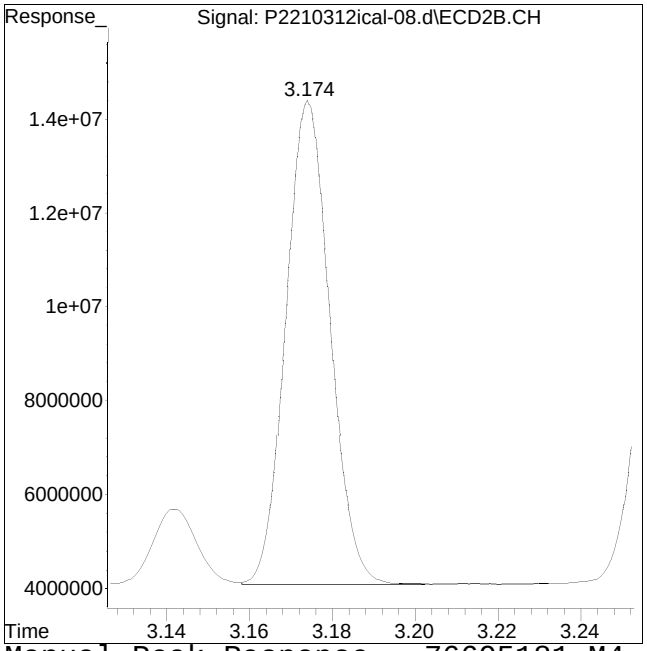
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-08.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:08 pm Instrument : PEST 2
Sample : il51660,42e,,10250 lvi Quant Date : 3/12/2021 6:06 pm

Compound #61: 1260-2 #2



Original Peak Response = 78589657



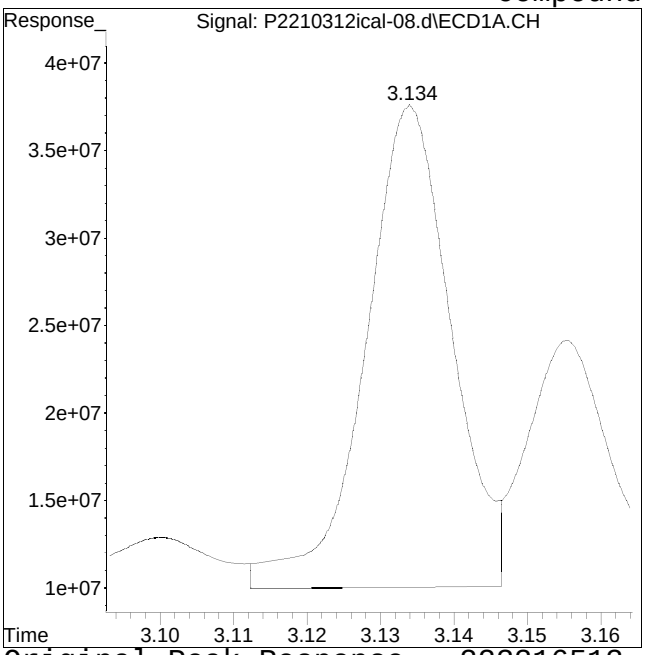
Manual Peak Response = 76695181 M4

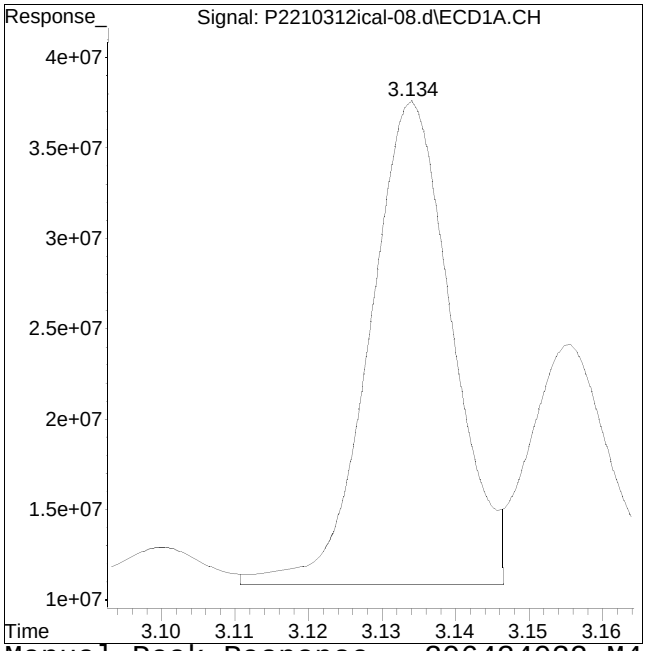
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-08.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:08 pm Instrument : PEST 2
Sample : il51660,42e,,10250 lvi Quant Date : 3/12/2021 6:06 pm

Compound #11: 1260-3



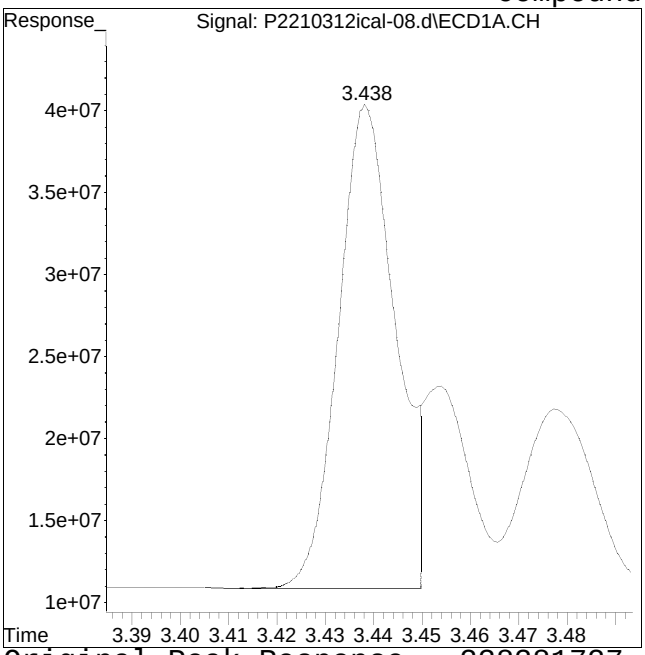


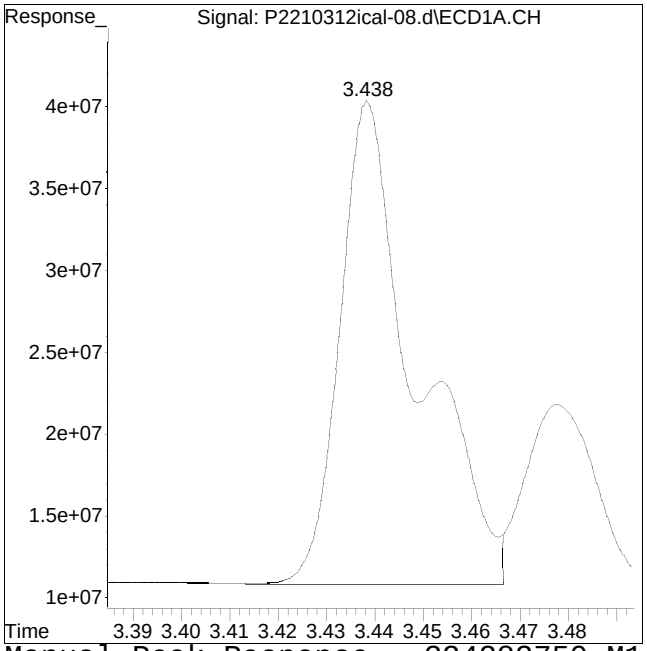
Original Peak Response = 223316513 Manual Peak Response = 206434032 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-08.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:08 pm Instrument : PEST 2
Sample : il51660,42e,,10250 lvi Quant Date : 3/12/2021 6:06 pm

Compound #13: 1260-5





Original Peak Response = 238381727 Manual Peak Response = 324283750 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:16 pm
Operator : pest2:kb
Sample : il61660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:11:10 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:08:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.153	1.223	179.1E6	54087952	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.442	1.605	514.3E6	157.7E6	56.766	64.323
	Spiked Amount 20.000	Range 30 - 150		Recovery =		283.83%#	321.62%#
3) s	Decachlorobi	4.023	4.554	879.5E6	242.6E6	110.819M4	129.804
	Spiked Amount 20.000	Range 30 - 150		Recovery =		554.10%#	649.02%#
	Target Compounds						
4) l1	1016-1	1.583	1.809	142.0E6	43591564	892.253	974.362
5) l1	1016-2	1.726	1.983	294.0E6	98858781	965.271	1005.465
6) l1	1016-3	1.916	2.186	662.3E6	201.8E6	898.606	1011.244
7) l1	1016-4	1.971	2.247	278.6E6	80362359	949.081	1008.413
8) l1	1016-5	2.142	2.459	289.8E6	64768367	908.207	1002.771
	Sum 1016-1			1666.7E6	489.4E6	4613.418	5002.254
Average	1016-1					922.684	1000.451
9) l2	1260-1	2.687	3.072	442.3E6	131.6E6	877.951M4	1025.011M4
10) l2	1260-2	2.818	3.175	657.3E6	156.8E6	902.269M4	1031.984M4
11) l2	1260-3	3.134	3.570	414.8E6	130.6E6	891.757M4	1028.297M4
12) l2	1260-4	3.290	3.700	914.4E6	268.3E6	918.274M4	1036.713M4
13) l2	1260-5	3.438	3.903	661.0E6	191.5E6	891.411M1	1031.785M4
	Sum 1260-1			3089.8E6	878.9E6	NoCal	NoCal D

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:16 pm
Operator : pest2:kb
Sample : il61660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:11:10 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:08:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1260-1					896.333	1030.758
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:16 pm
Operator : pest2:kb
Sample : il61660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:11:10 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:08:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

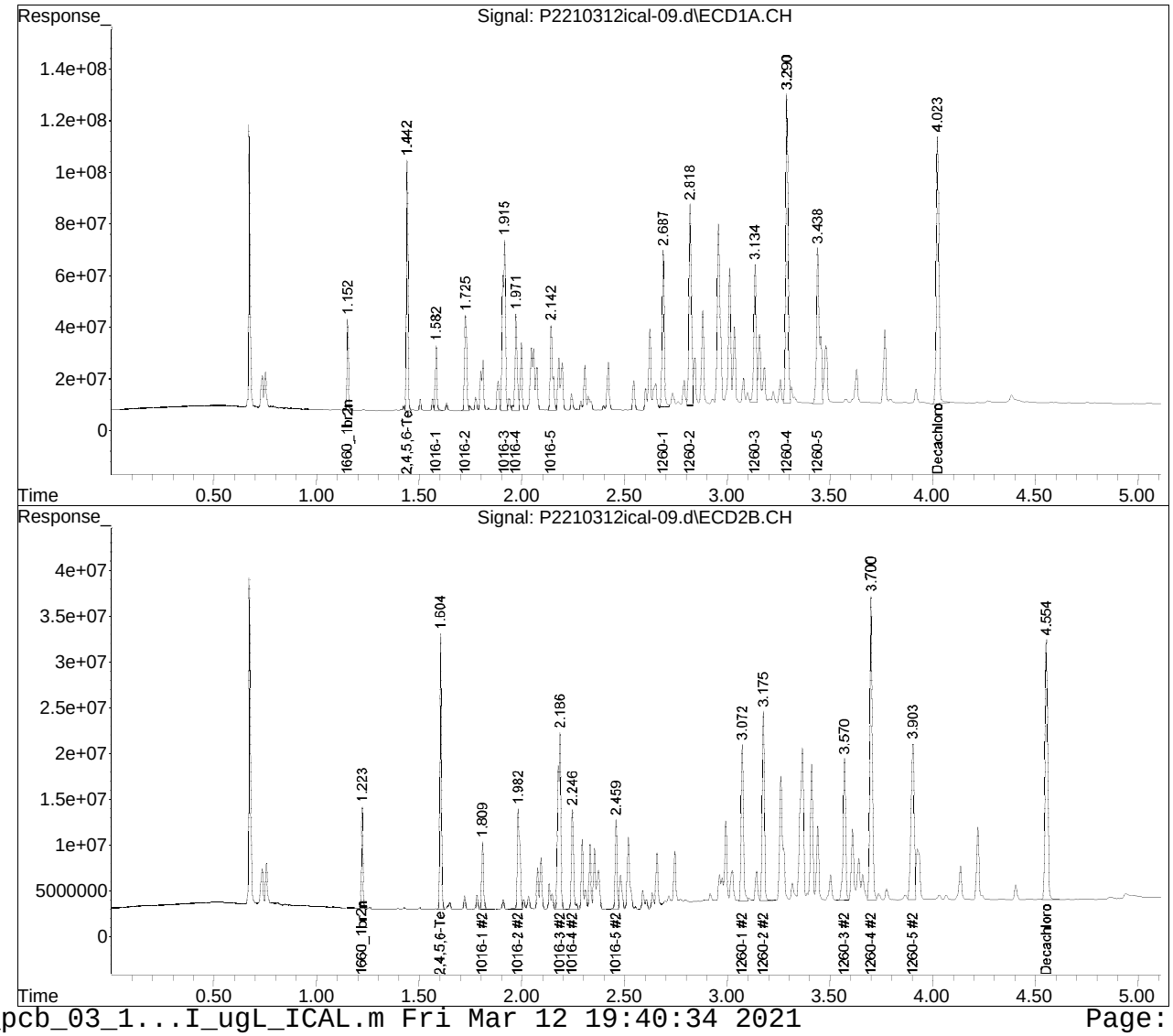
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:16 pm
Operator : pest2:kb
Sample : il61660,42e,,10250 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 18:11:10 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:08:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

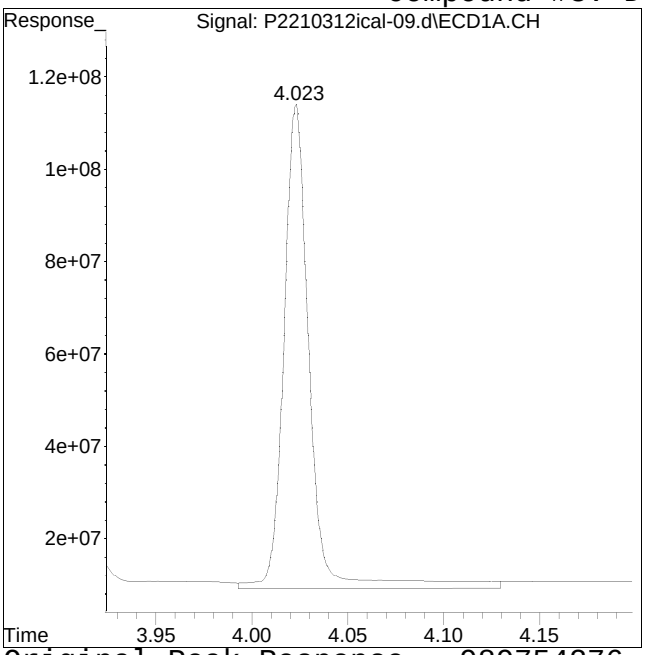
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

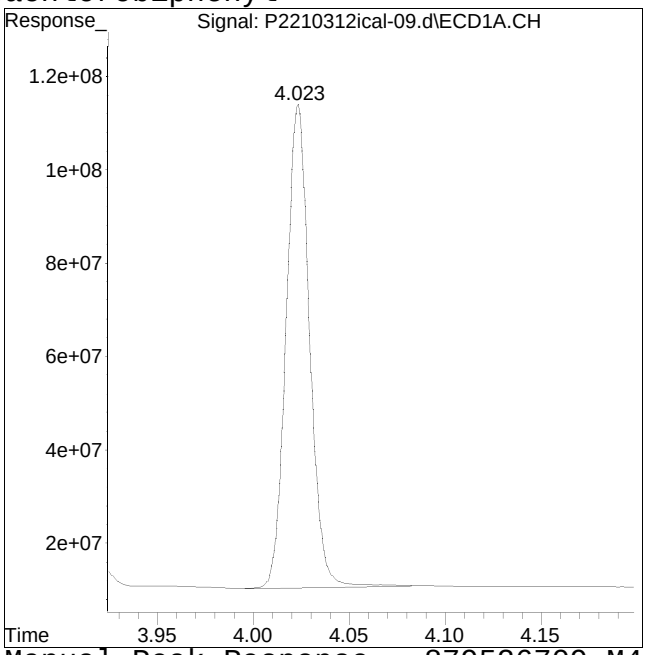


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-09.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:16 pm Instrument : PEST 2
Sample : il61660,42e,,10250 lvi Quant Date : 3/12/2021 6:08 pm

Compound #3: Decachlorobiphenyl



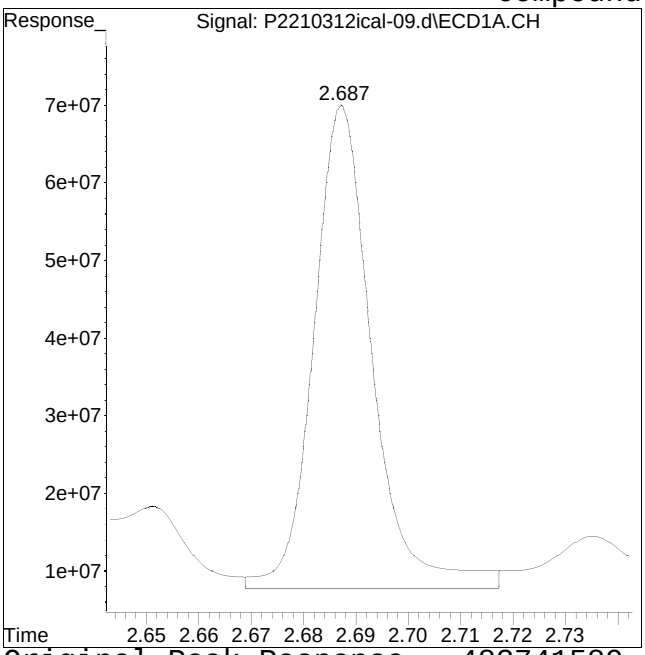


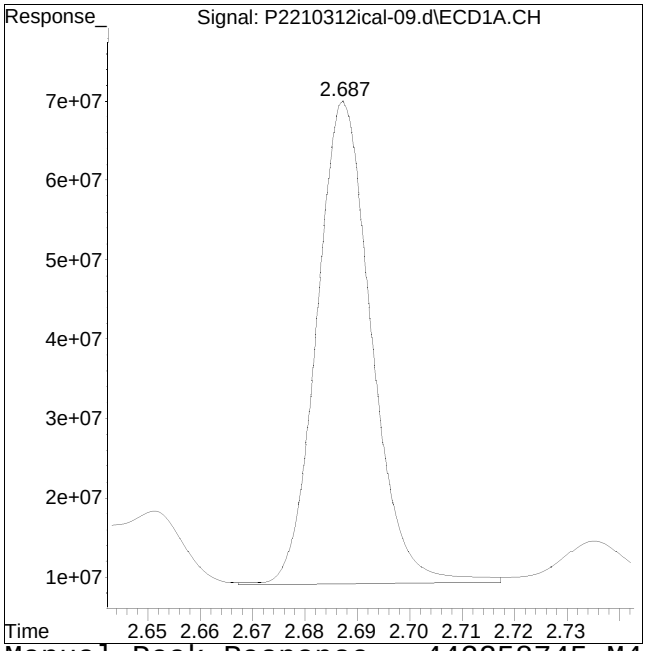
Original Peak Response = 989754276 Manual Peak Response = 879526709 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-09.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:16 pm Instrument : PEST 2
Sample : il61660,42e,,10250 lvi Quant Date : 3/12/2021 6:08 pm

Compound #9: 1260-1



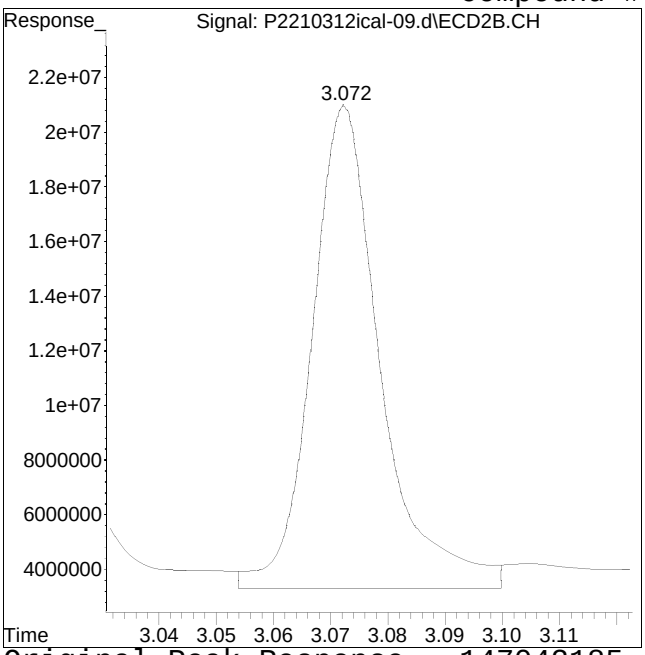


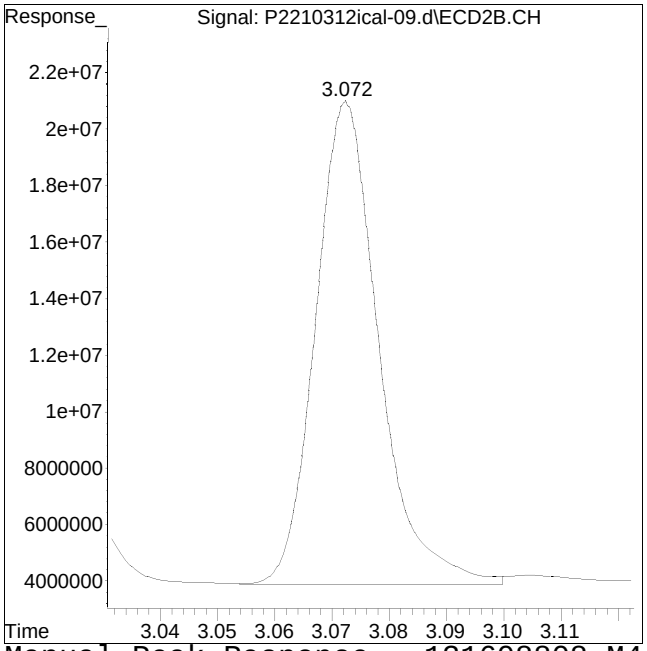
Original Peak Response = 483741589 Manual Peak Response = 442258745 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-09.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:16 pm Instrument : PEST 2
Sample : il61660,42e,,10250 lvi Quant Date : 3/12/2021 6:08 pm

Compound #60: 1260-1 #2



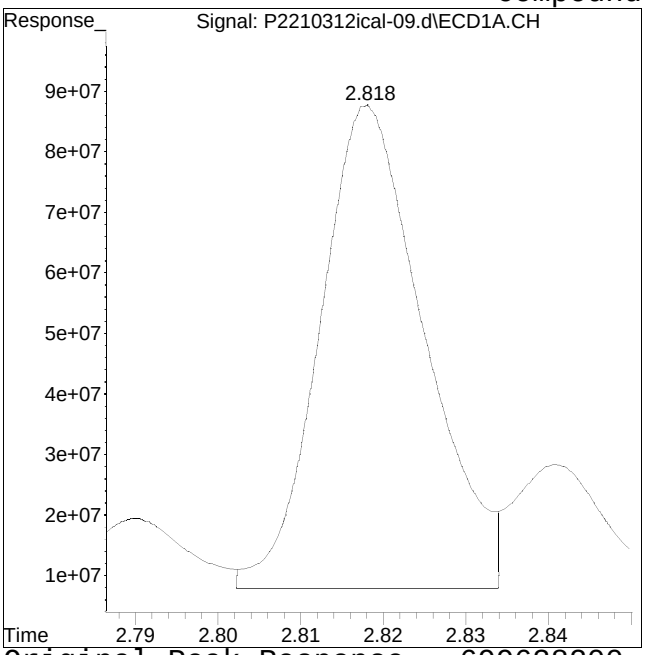


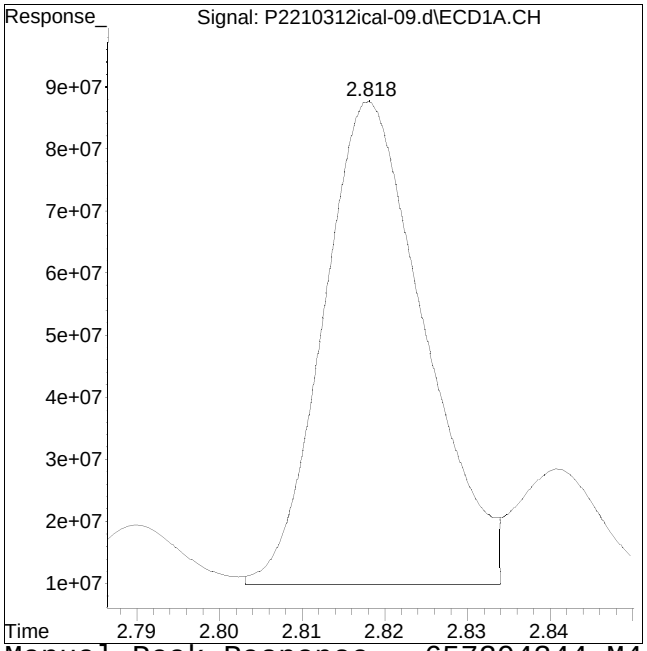
Original Peak Response = 147042185 Manual Peak Response = 131608808 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-09.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:16 pm Instrument : PEST 2
Sample : il61660,42e,,10250 lvi Quant Date : 3/12/2021 6:08 pm

Compound #10: 1260-2



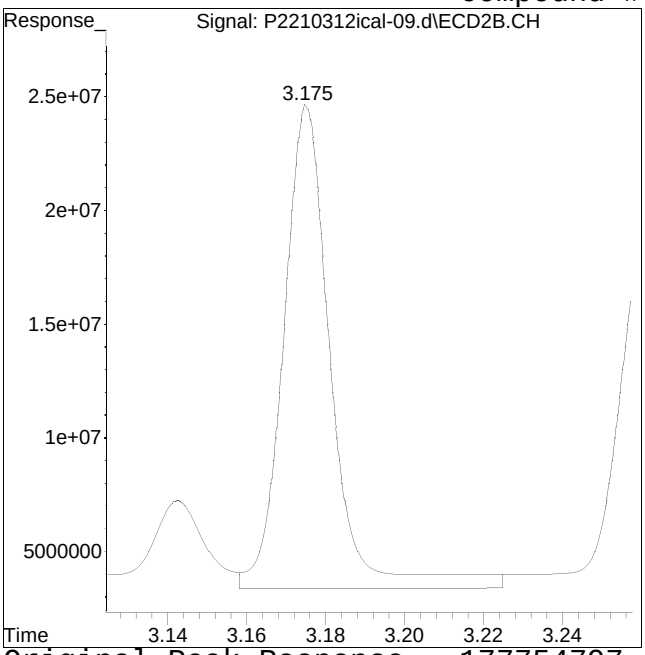


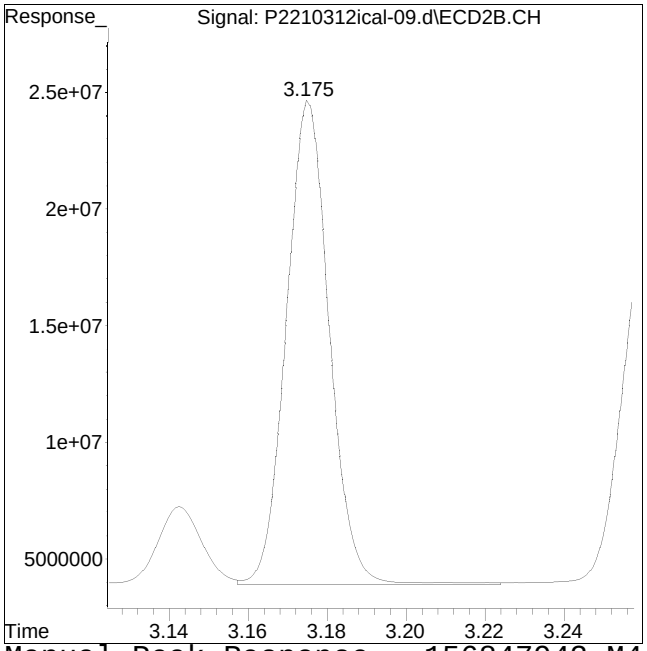
Original Peak Response = 699638200 Manual Peak Response = 657304344 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-09.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:16 pm Instrument : PEST 2
Sample : il61660,42e,,10250 lvi Quant Date : 3/12/2021 6:08 pm

Compound #61: 1260-2 #2



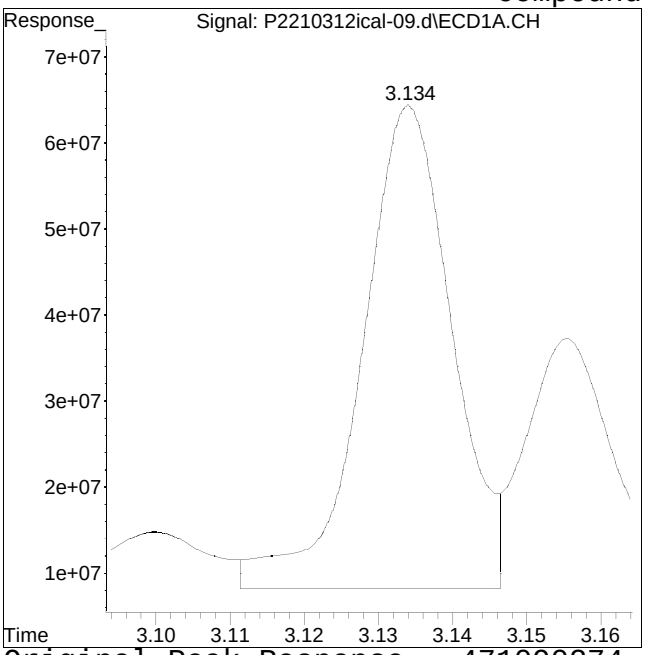


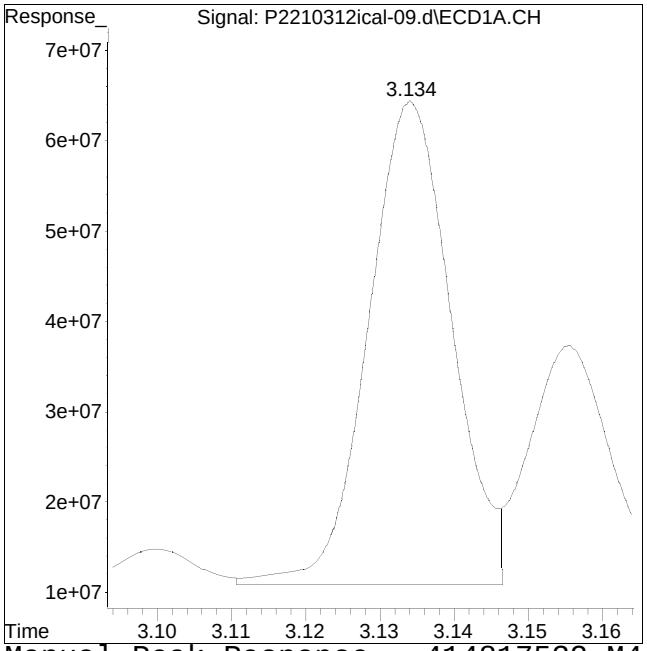
Original Peak Response = 177754797 Manual Peak Response = 156847943 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-09.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:16 pm Instrument : PEST 2
Sample : il61660,42e,,10250 lvi Quant Date : 3/12/2021 6:08 pm

Compound #11: 1260-3



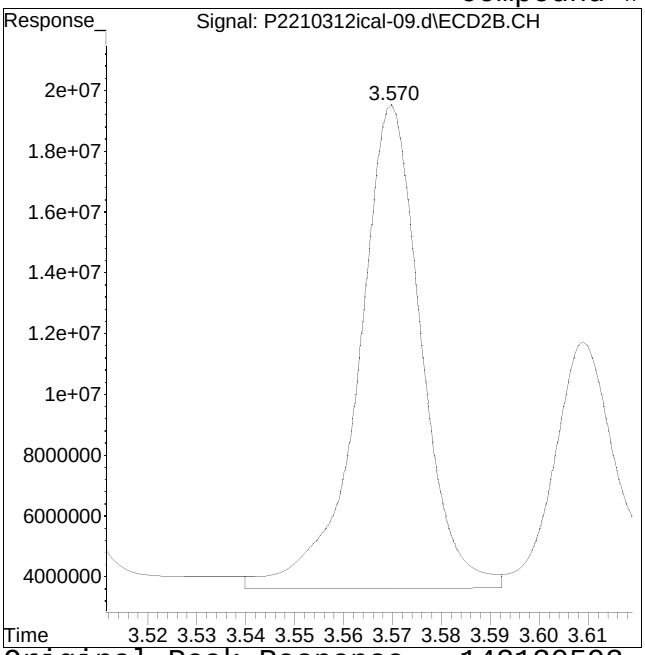


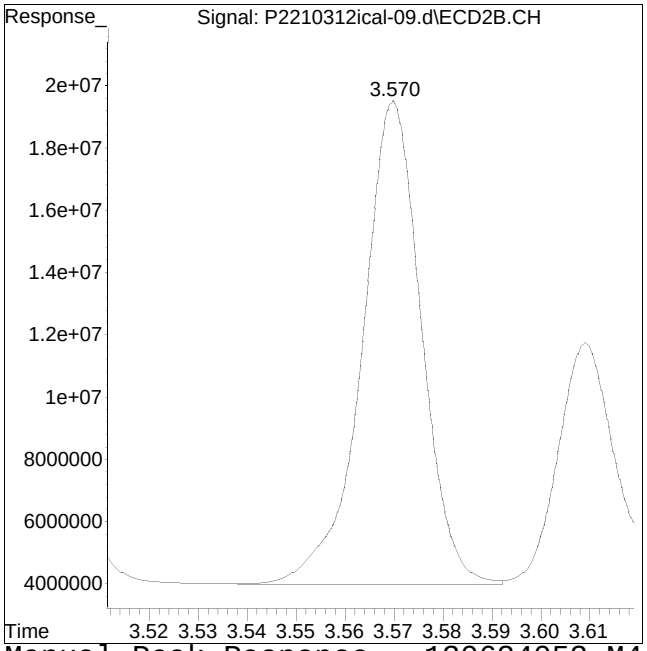
Original Peak Response = 471090274 Manual Peak Response = 414817532 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-09.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:16 pm Instrument : PEST 2
Sample : il61660,42e,,10250 lvi Quant Date : 3/12/2021 6:08 pm

Compound #62: 1260-3 #2



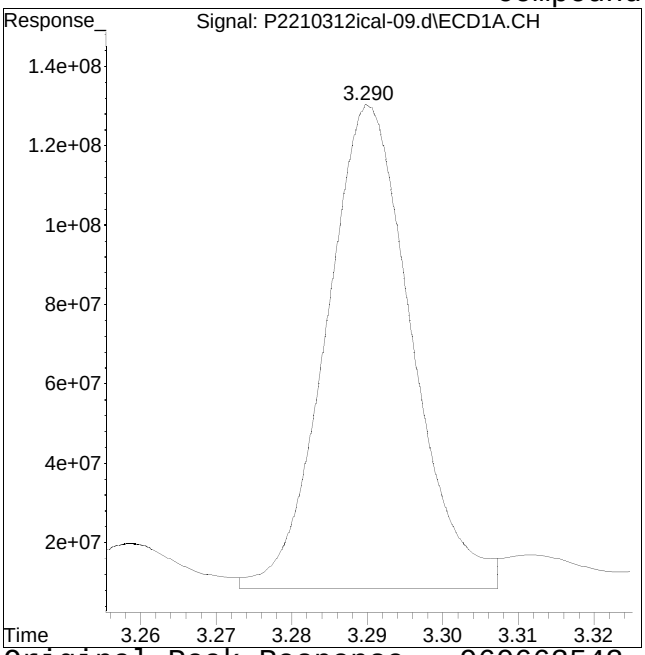


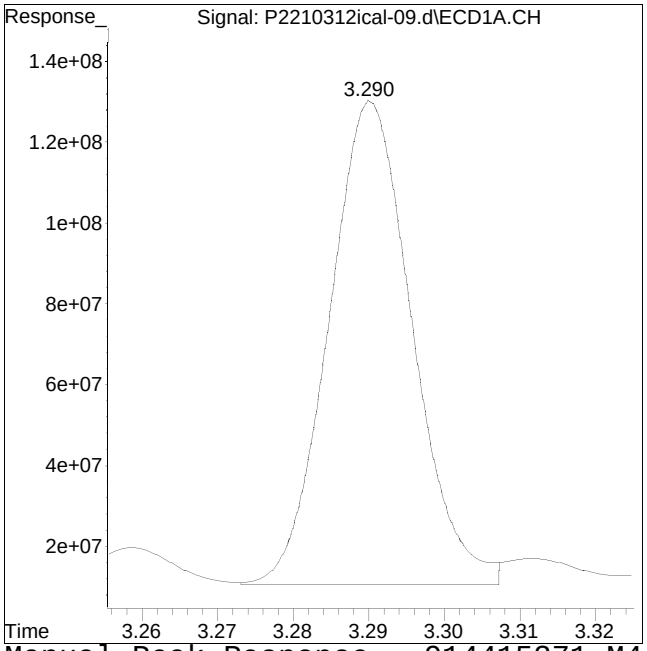
Original Peak Response = 142130593 Manual Peak Response = 130634053 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-09.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:16 pm Instrument : PEST 2
Sample : il61660,42e,,10250 lvi Quant Date : 3/12/2021 6:08 pm

Compound #12: 1260-4



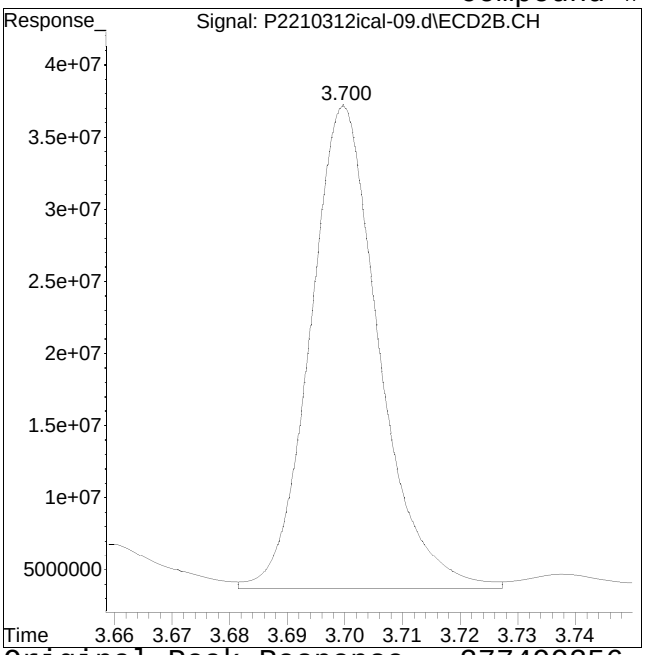


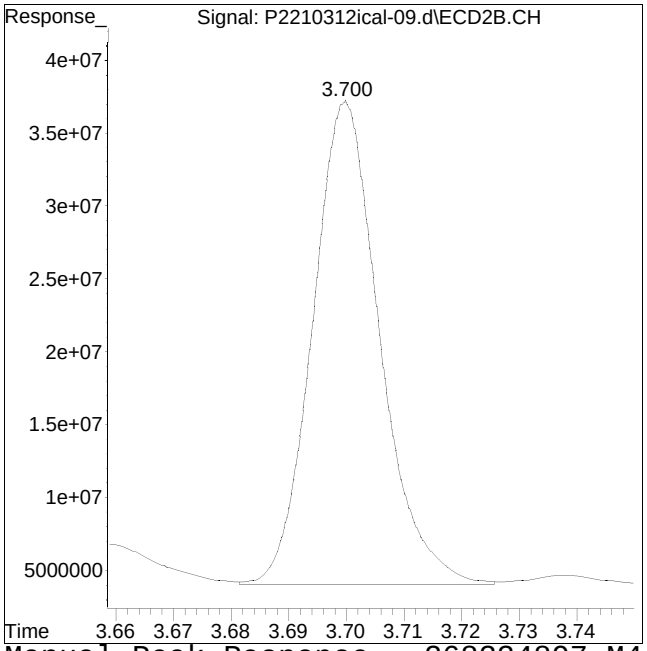
Original Peak Response = 960663543 Manual Peak Response = 914415271 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-09.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:16 pm Instrument : PEST 2
Sample : il61660,42e,,10250 lvi Quant Date : 3/12/2021 6:08 pm

Compound #63: 1260-4 #2



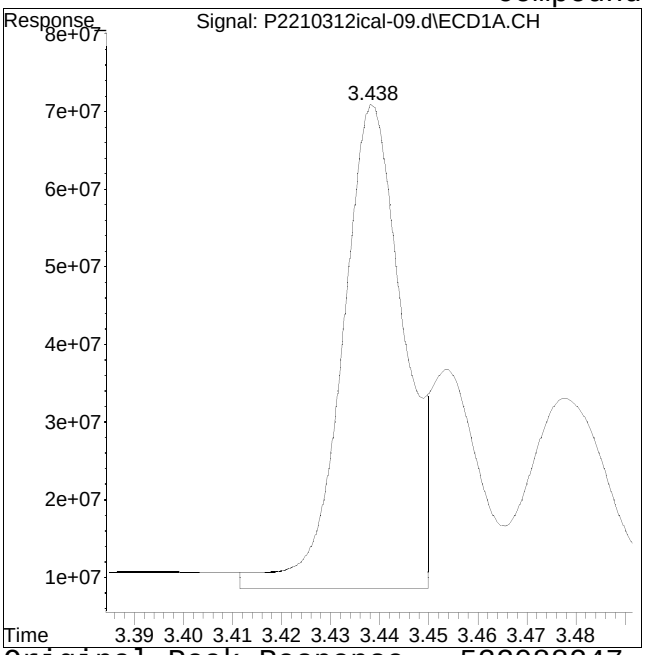


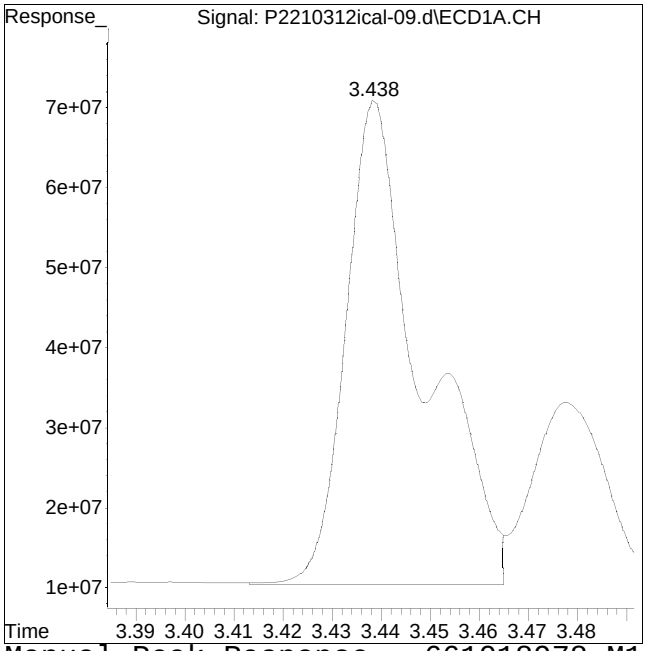
Original Peak Response = 277499356 Manual Peak Response = 268334897 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-09.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:16 pm Instrument : PEST 2
Sample : il61660,42e,,10250 lvi Quant Date : 3/12/2021 6:08 pm

Compound #13: 1260-5



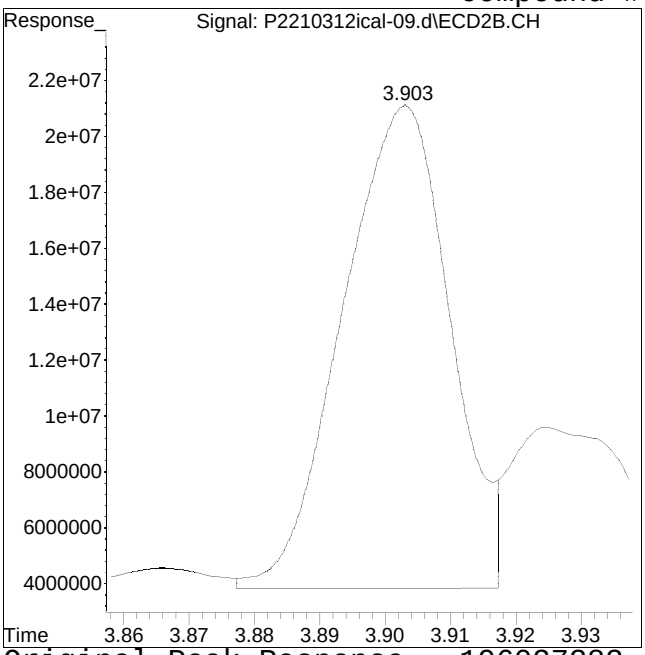


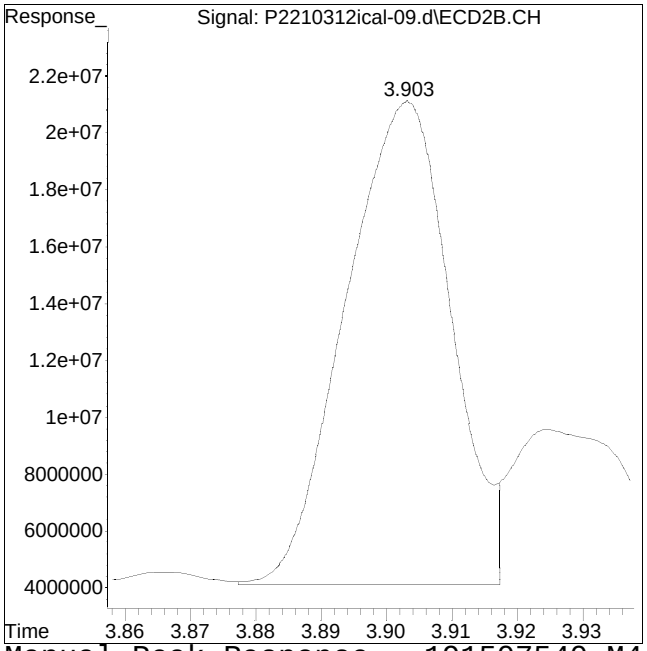
Original Peak Response = 532088247 Manual Peak Response = 661018978 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-09.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:16 pm Instrument : PEST 2
Sample : il61660,42e,,10250 lvi Quant Date : 3/12/2021 6:08 pm

Compound #64: 1260-5 #2





Original Peak Response = 196027383 Manual Peak Response = 191507540 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:24 pm
Operator : pest2:kb
Sample : il44268,42e,,10252 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:16:35 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:16:21 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.153	1.223	167.5E6	55562888	25.000	25.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:24 pm
Operator : pest2:kb
Sample : il44268,42e,,10252 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:16:35 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:16:21 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.582	1.809	27683003	9149169	250.000M4	250.000
25) l6	1242-2	1.726	1.982	57483796	20562119	250.000M4	250.000M4
26) l6	1242-3	1.915	2.185	131.9E6	41267215	250.000M4	250.000
27) l6	1242-4	1.971	2.246	54008390	16475791	250.000M4	250.000
28) l6	1242-5	2.324	2.635	44745582	14854541	250.000M4	250.000M4
Sum	1242-1			315.8E6	102.3E6	1250.000	1250.000
Average	1242-1					250.000	250.000
29) l9	1268-1	3.454	3.897	312.3E6	92113595	250.000M4	250.000
30) l9	1268-2	3.475	3.923	294.0E6	87752182	250.000M4	250.000
31) l9	1268-3	3.577	4.066	219.3E6	64736239	250.000M4	250.000
32) l9	1268-4	3.765	4.219	104.8E6	28964058	250.000M4	250.000
33) l9	1268-5	3.919	4.405	669.6E6	186.2E6	250.000M4	250.000
Sum	1268-1			1600.0E6	459.7E6	N.D.	N.D. D
Average	1268-1					250.000	250.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:24 pm
Operator : pest2:kb
Sample : il44268,42e,,10252 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:16:35 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:16:21 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

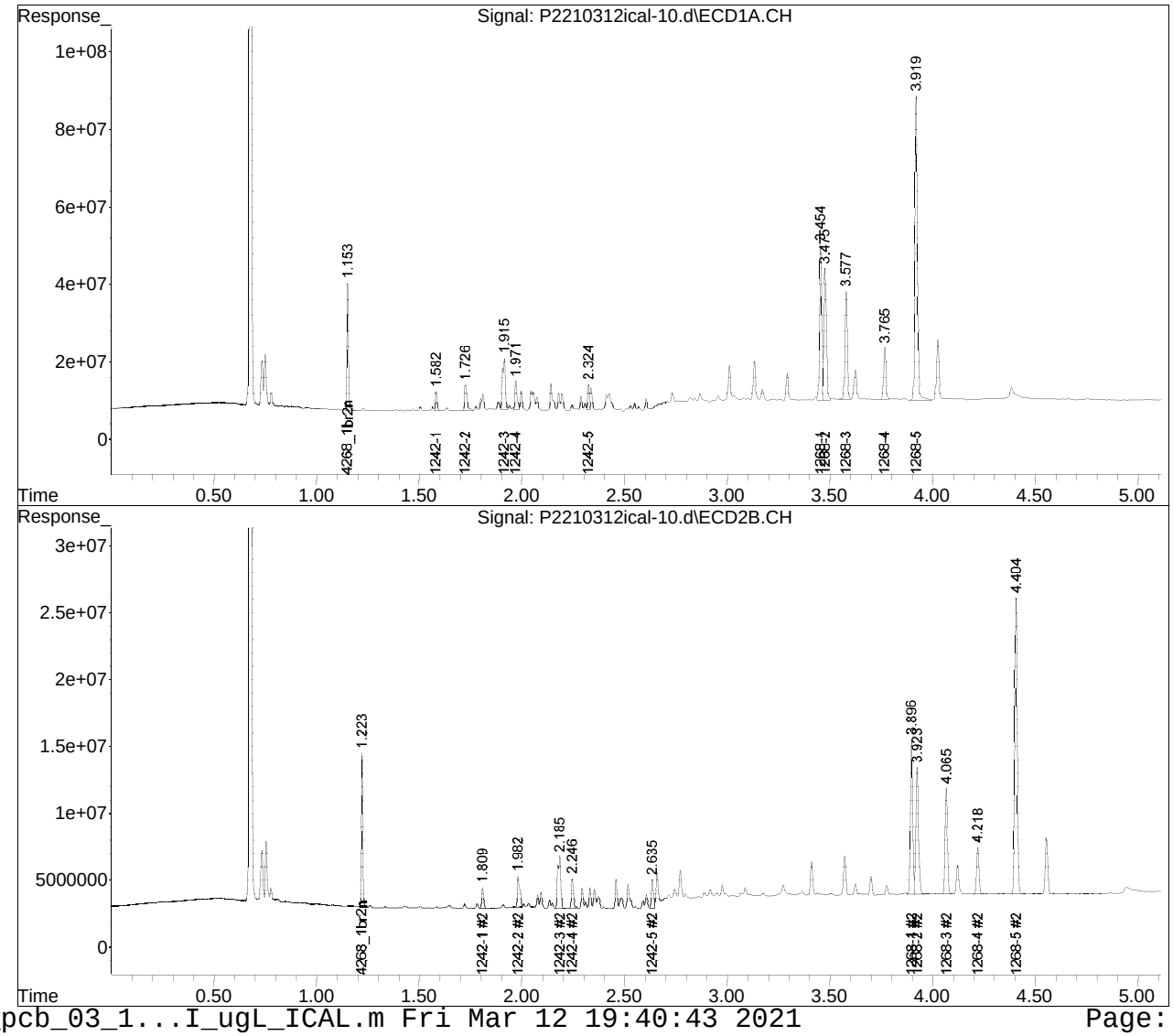
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:24 pm
Operator : pest2:kb
Sample : il44268,42e,,10252 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:16:35 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:16:21 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

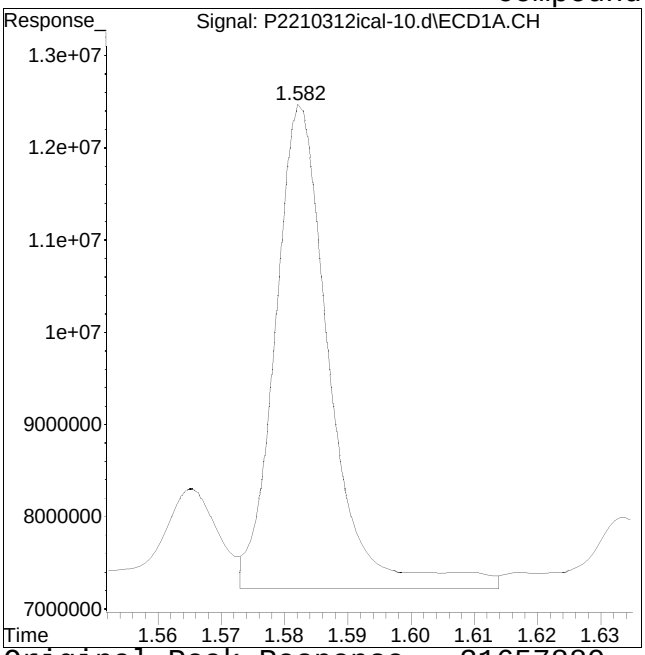
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



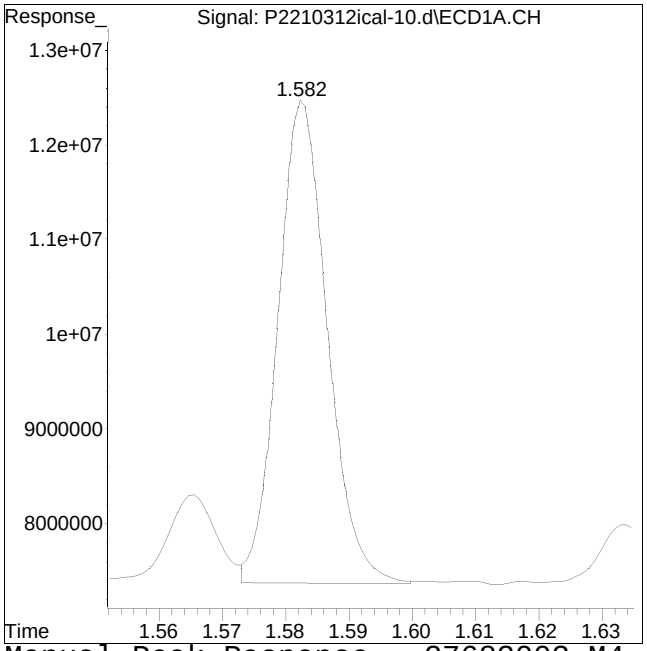
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-10.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:24 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 3/12/2021 7:16 pm

Compound #24: 1242-1



Original Peak Response = 31657880

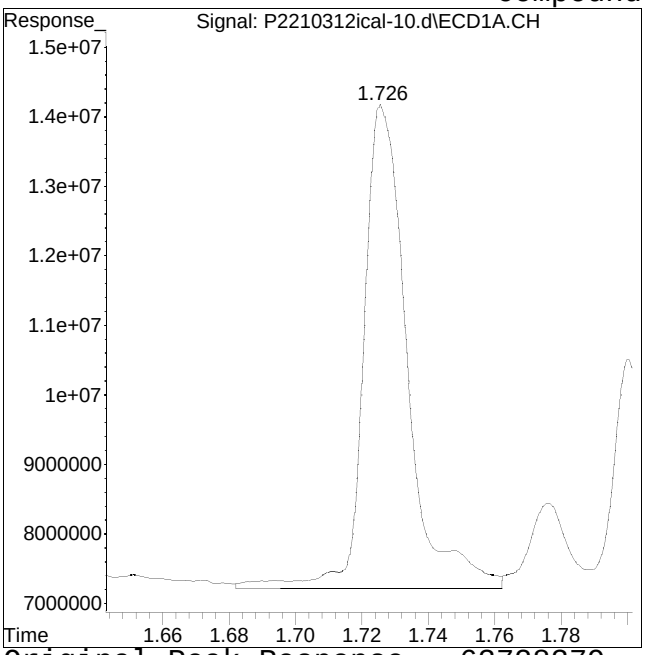


Manual Peak Response = 27683003 M4
M4 = Poor automated baseline construction.

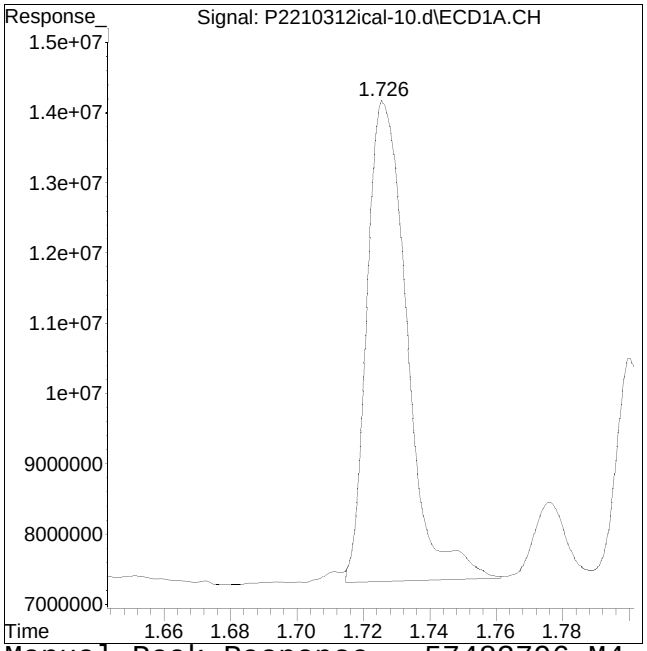
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-10.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:24 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 3/12/2021 7:16 pm

Compound #25: 1242-2



Original Peak Response = 63728379

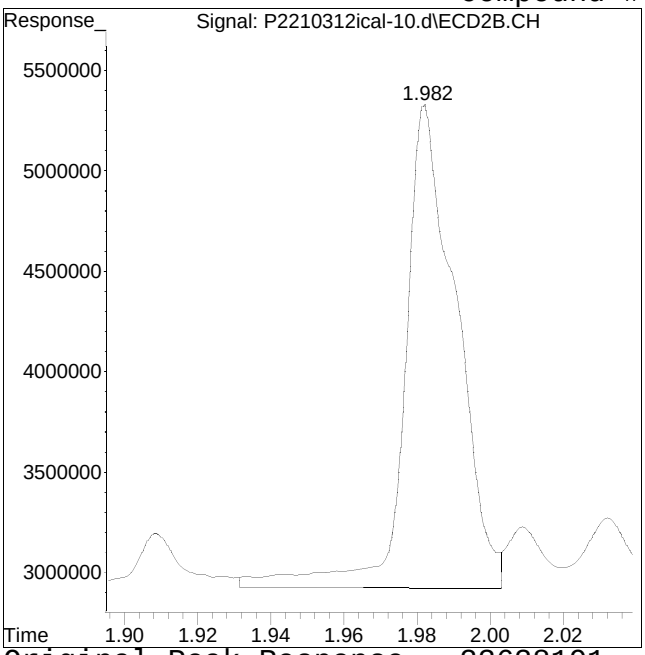


Manual Peak Response = 57483796 M4
M4 = Poor automated baseline construction.

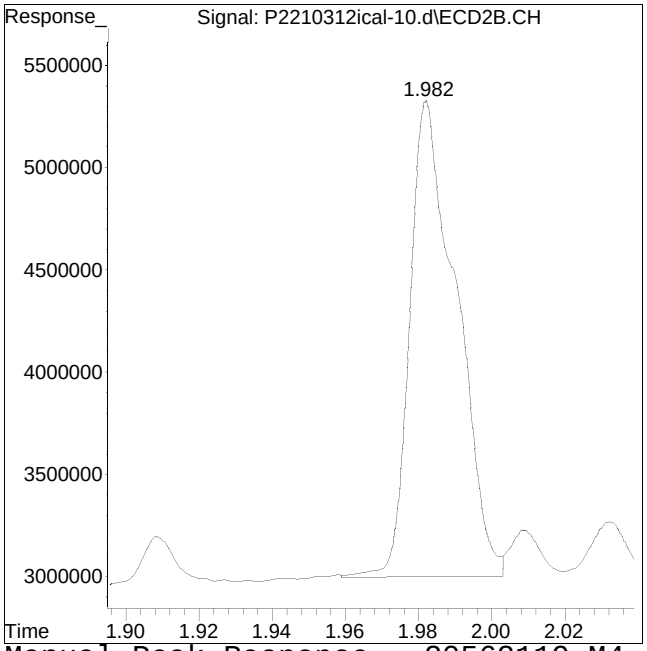
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-10.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:24 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 3/12/2021 7:16 pm

Compound #76: 1242-2 #2



Original Peak Response = 23638191



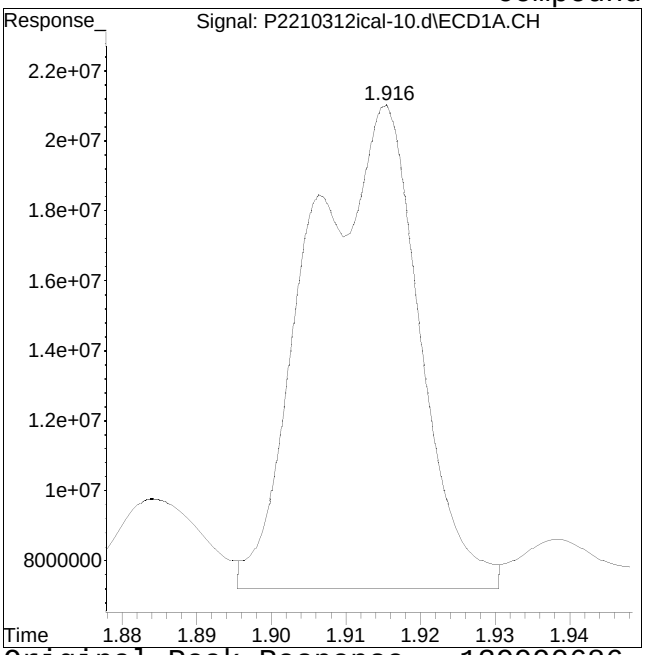
Manual Peak Response = 20562119 M4

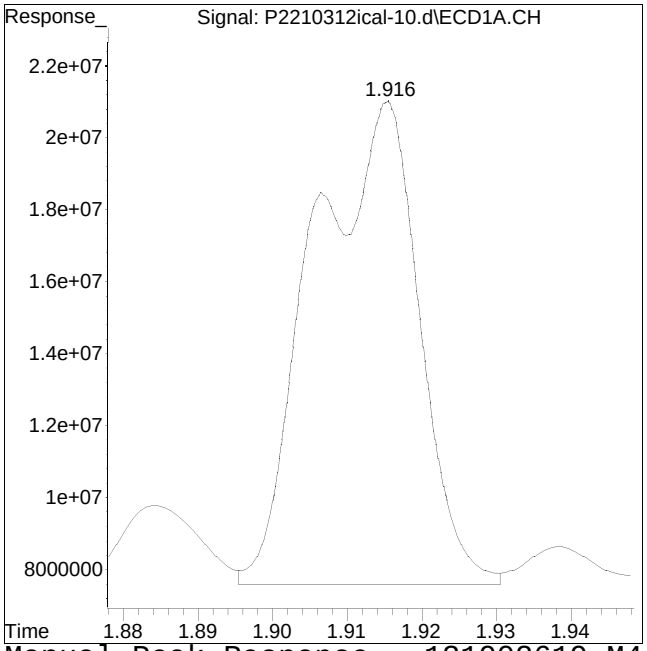
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-10.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:24 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 3/12/2021 7:16 pm

Compound #26: 1242-3



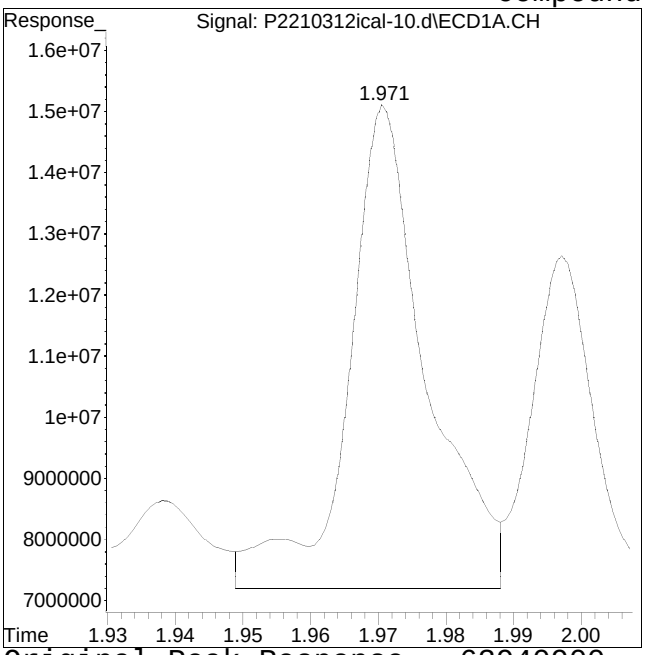


Original Peak Response = 139990686 Manual Peak Response = 131902619 M4
M4 = Poor automated baseline construction.

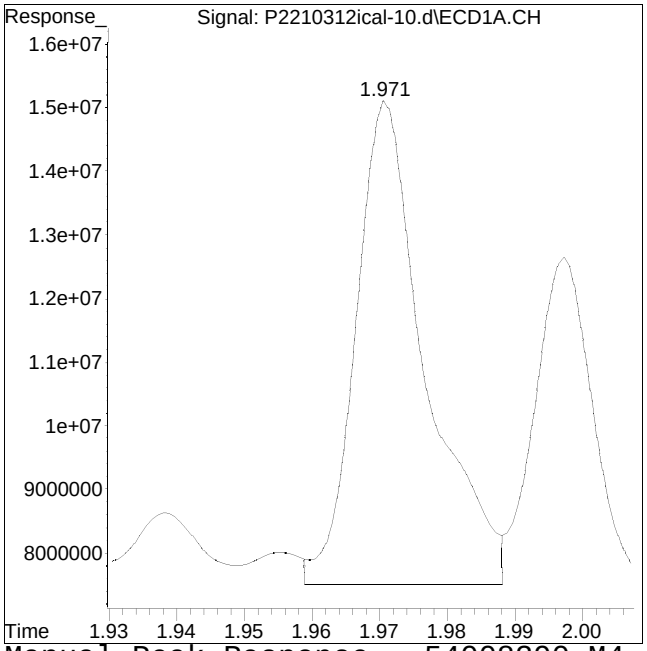
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-10.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:24 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 3/12/2021 7:16 pm

Compound #27: 1242-4



Original Peak Response = 63940900



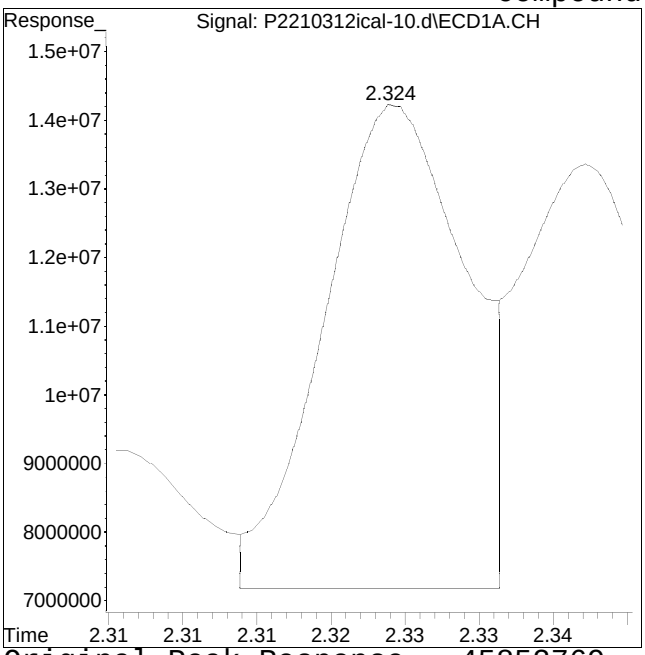
Manual Peak Response = 54008390 M4

M4 = Poor automated baseline construction.

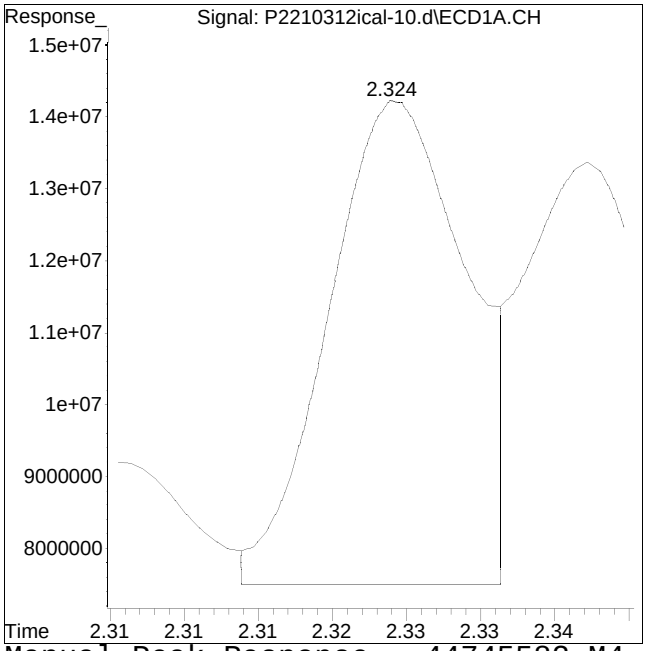
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-10.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:24 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 3/12/2021 7:16 pm

Compound #28: 1242-5



Original Peak Response = 45852769



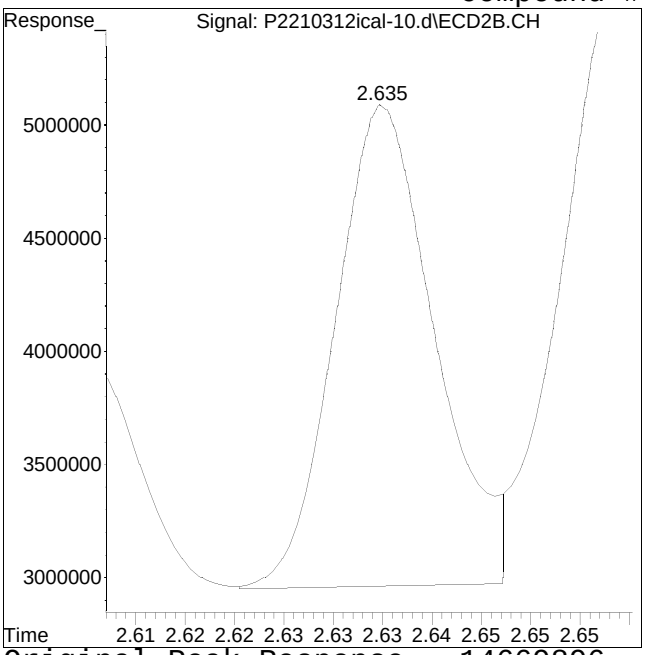
Manual Peak Response = 44745582 M4

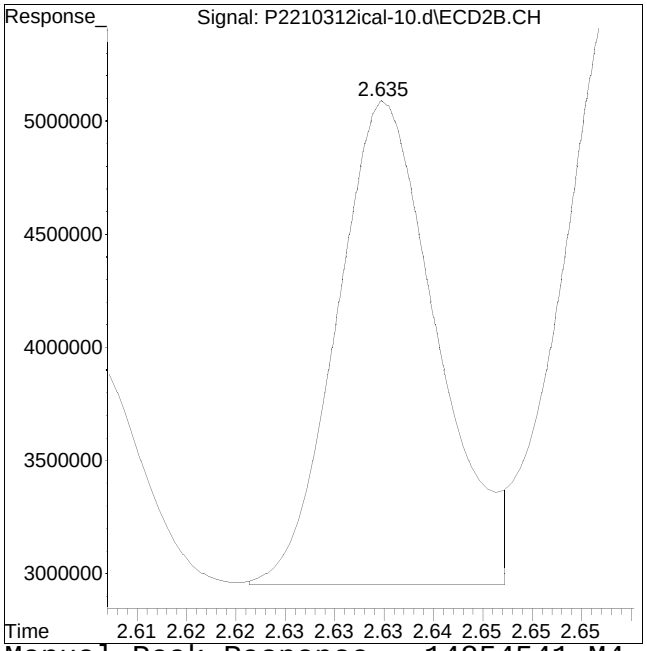
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-10.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:24 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 3/12/2021 7:16 pm

Compound #79: 1242-5 #2



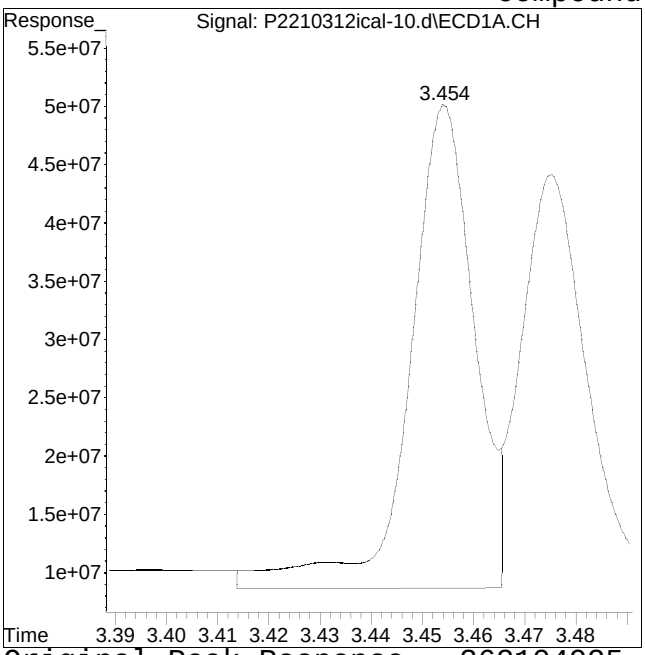


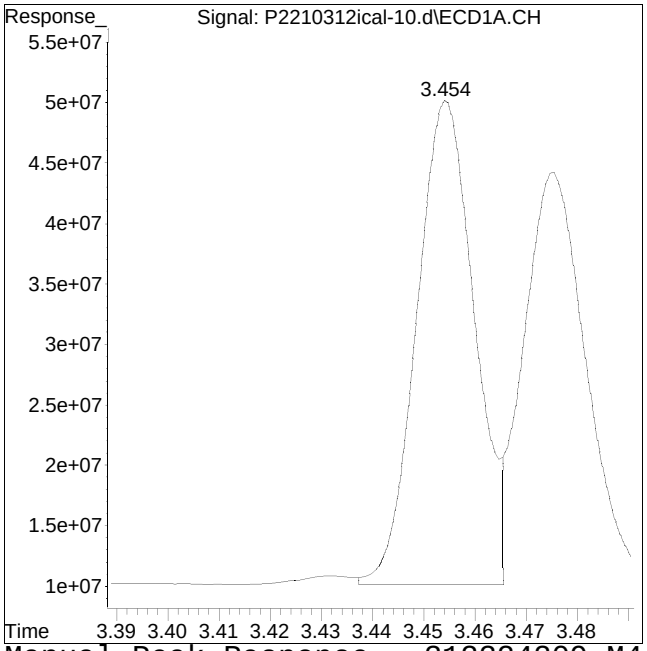
Original Peak Response = 14669896 Manual Peak Response = 14854541 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-10.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:24 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 3/12/2021 7:16 pm

Compound #29: 1268-1



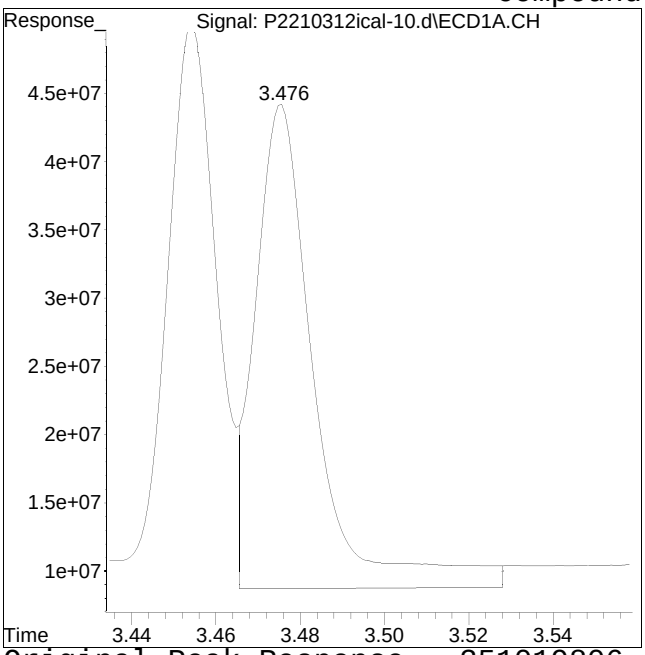


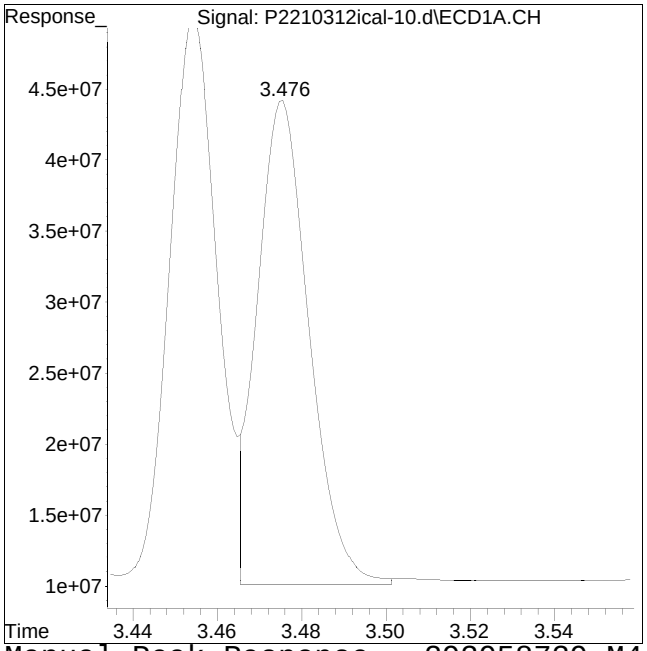
Original Peak Response = 362104925 Manual Peak Response = 312324209 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-10.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:24 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 3/12/2021 7:16 pm

Compound #30: 1268-2



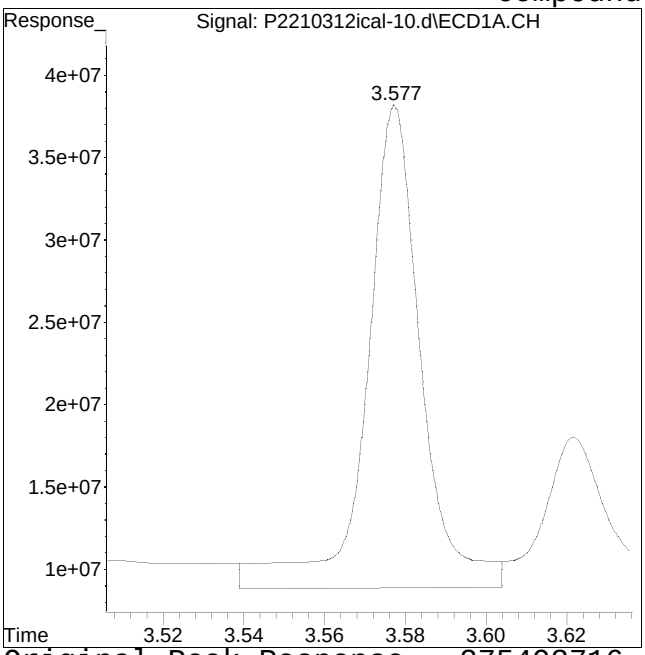


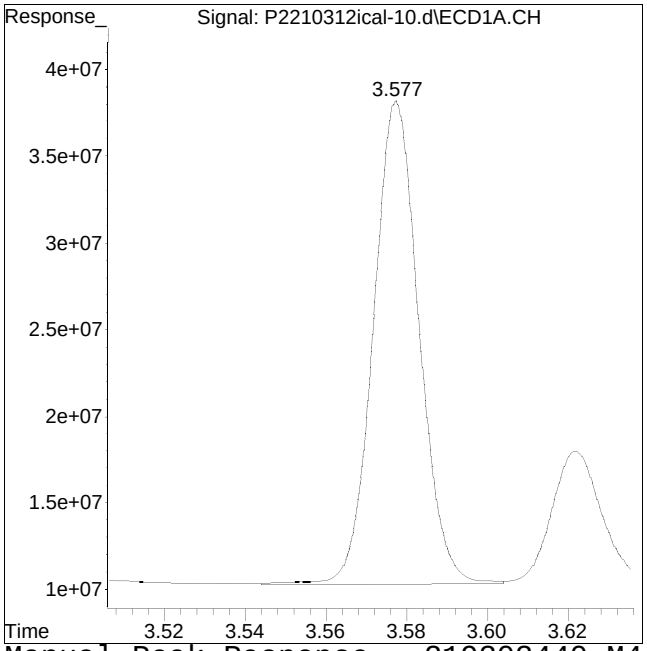
Original Peak Response = 351019806 Manual Peak Response = 293958739 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-10.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:24 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 3/12/2021 7:16 pm

Compound #31: 1268-3



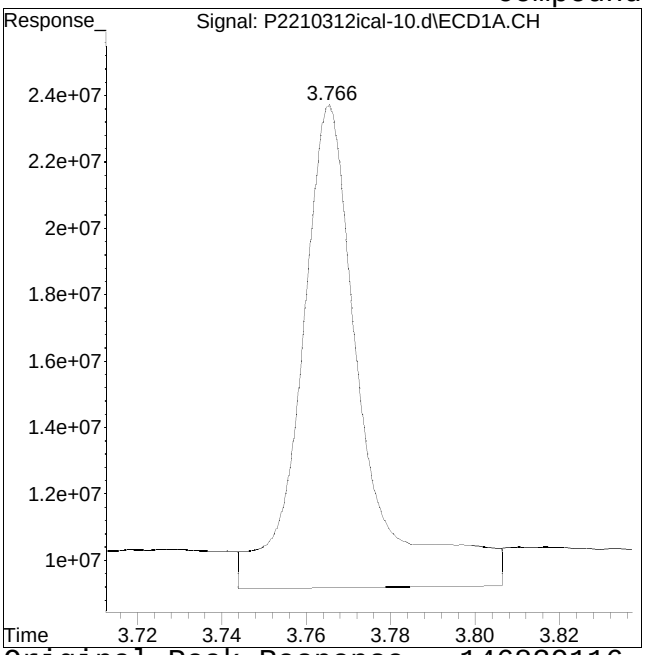


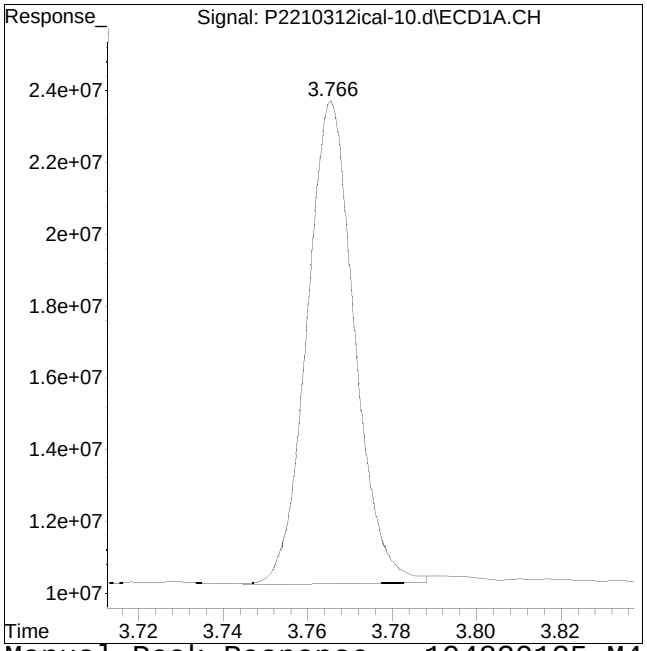
Original Peak Response = 275493716 Manual Peak Response = 219303440 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-10.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:24 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 3/12/2021 7:16 pm

Compound #32: 1268-4



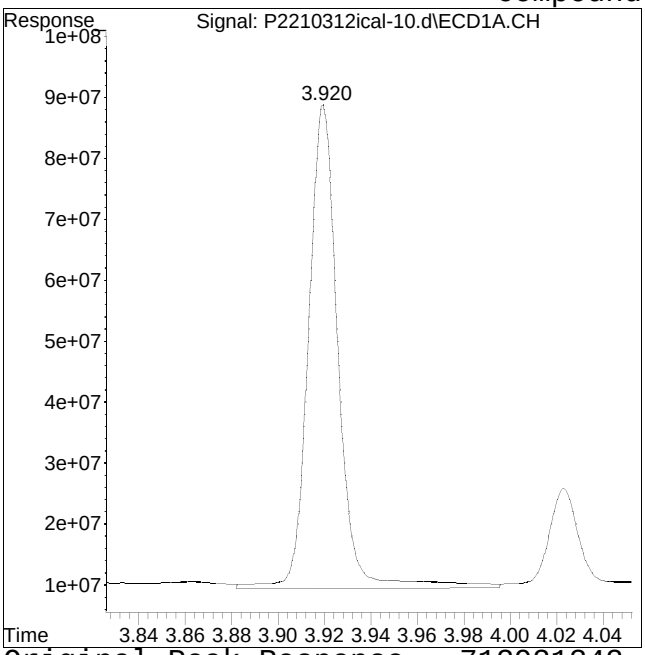


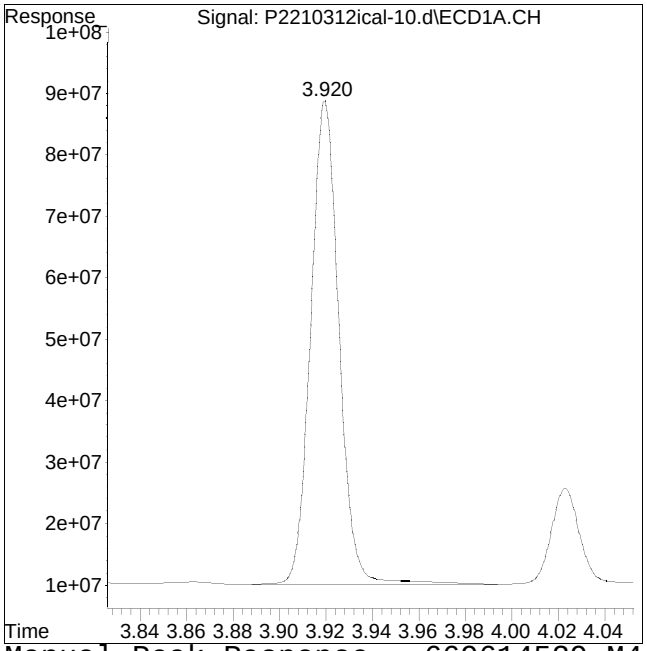
Original Peak Response = 146839116 Manual Peak Response = 104820135 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-10.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:24 pm Instrument : PEST 2
Sample : il44268,42e,,10252 lvi Quant Date : 3/12/2021 7:16 pm

Compound #33: 1268-5





Original Peak Response = 712921342 Manual Peak Response = 669614529 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:33 pm
Operator : pest2:kb
Sample : il43262,42e,,10253 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:16:53 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:16:39 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.153	1.223	185.9E6	55637847	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:33 pm
Operator : pest2:kb
Sample : il43262,42e,,10253 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:16:53 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:16:39 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:33 pm
Operator : pest2:kb
Sample : il43262,42e,,10253 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:16:53 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:16:39 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	1.583	1.810	40187112	12580389	250.000	250.000
42) l5	1232-2	1.726	1.983	36428449	13960893	250.000	250.000
43) l5	1232-3	1.916	2.186	81211775	23930873	250.000	250.000
44) l5	1232-4	1.972	2.247	37433404	9560606	250.000	250.000
45) l5	1232-5	2.326	2.636	22693141	7880601	250.000	250.000
Sum	1232-1			218.0E6	67913362	1250.000	1250.000
Average	1232-1					250.000	250.000
46) l8	1262-1	2.818	3.175	117.4E6	31057236	250.000M4	250.000M4
47) l8	1262-2	3.011	3.410	153.1E6	40395481	250.000M4	250.000M4
48) l8	1262-3	3.135	3.570	126.3E6	39472680	250.000M4	250.000M4
49) l8	1262-4	3.291	3.701	261.7E6	73869013	250.000M4	250.000
50) l8	1262-5	3.766	4.220	89459363	26220600	250.000M4	250.000
Sum	1262-1			748.0E6	211.0E6	1250.000	1250.000
Average	1262-1					250.000	250.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			748.0E6	211.0E6	1250.000	1250.000
Average	1262-1					250.000	250.000

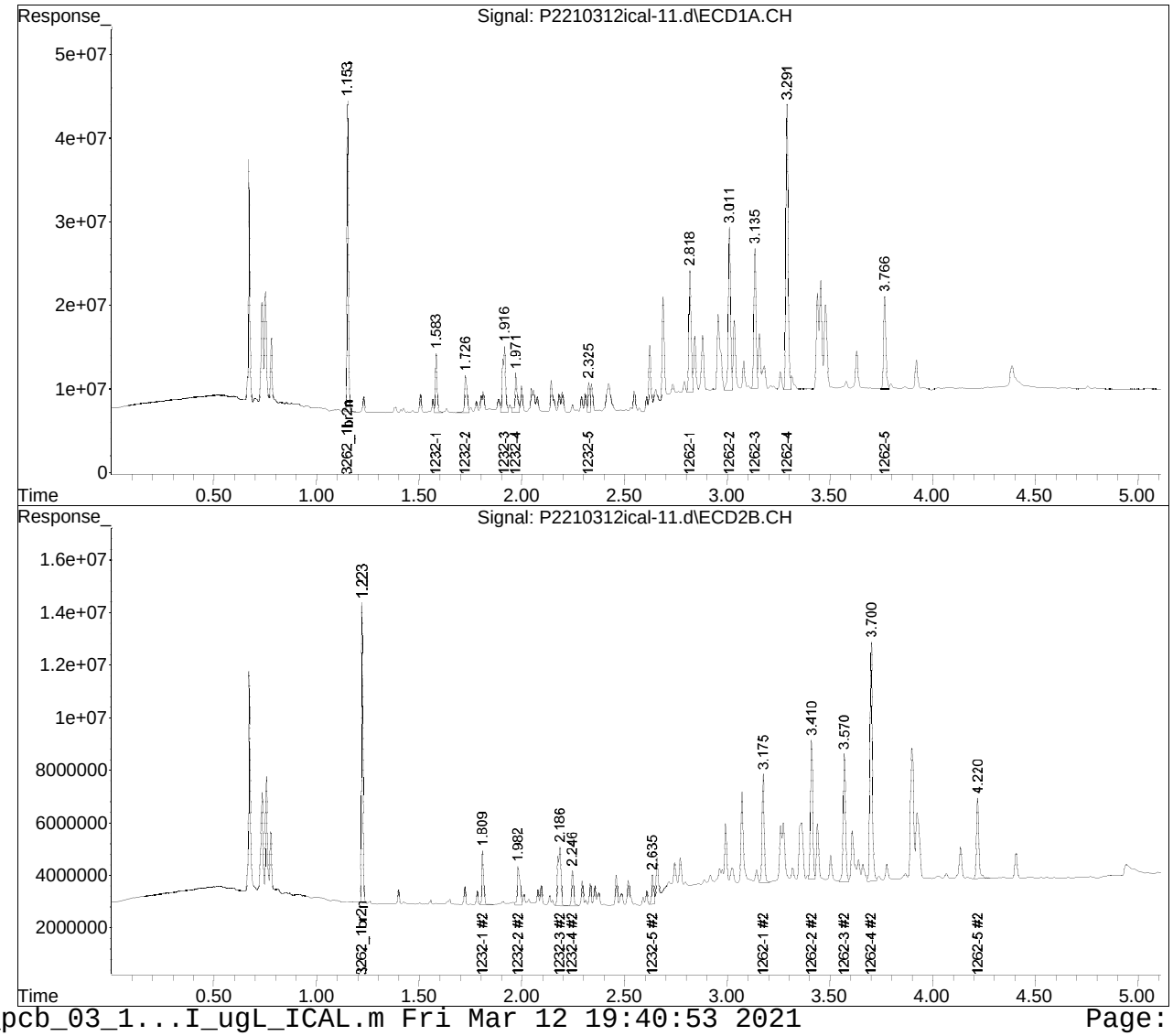
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:33 pm
Operator : pest2:kb
Sample : il43262,42e,,10253 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:16:53 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:16:39 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

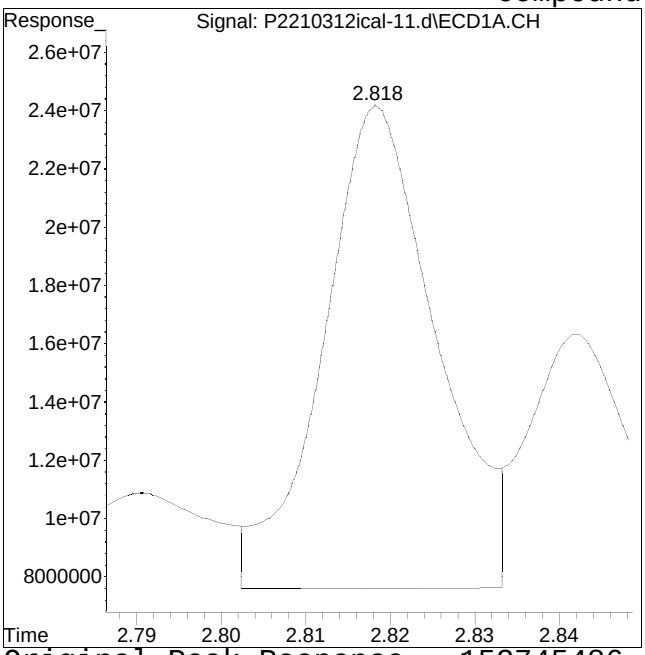
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

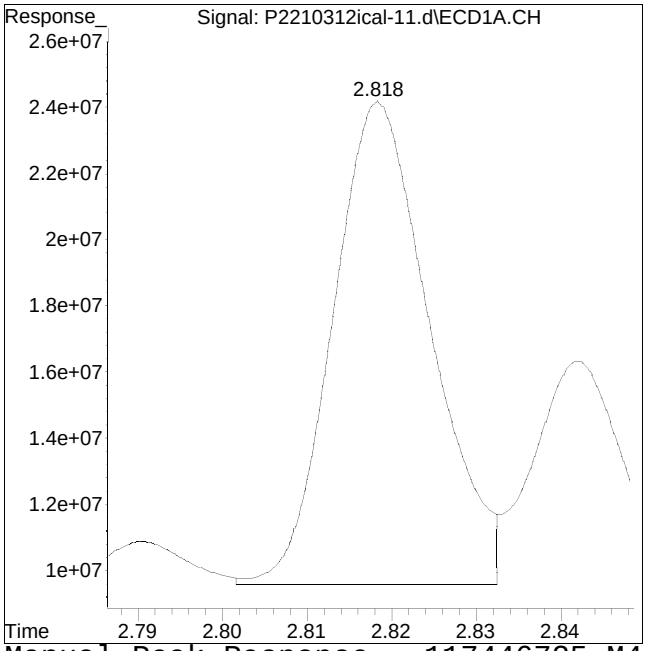


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-11.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:33 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 3/12/2021 7:16 pm

Compound #46: 1262-1



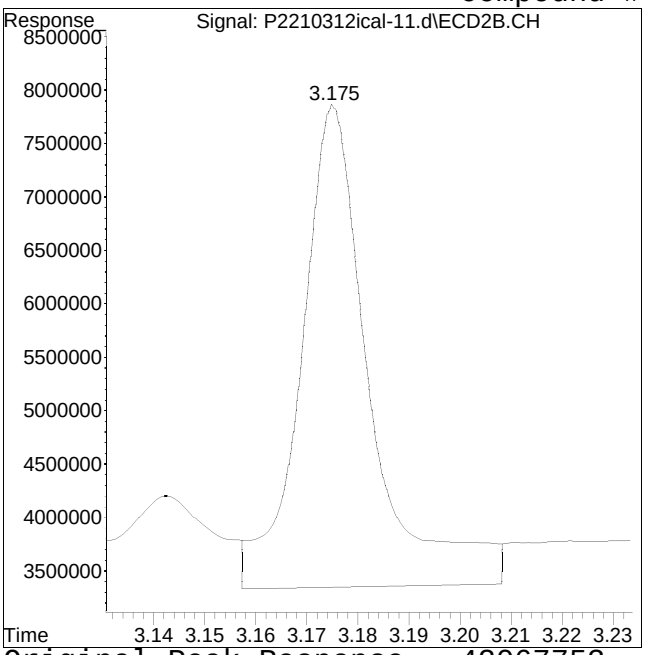


Original Peak Response = 152745486 Manual Peak Response = 117446725 M4
M4 = Poor automated baseline construction.

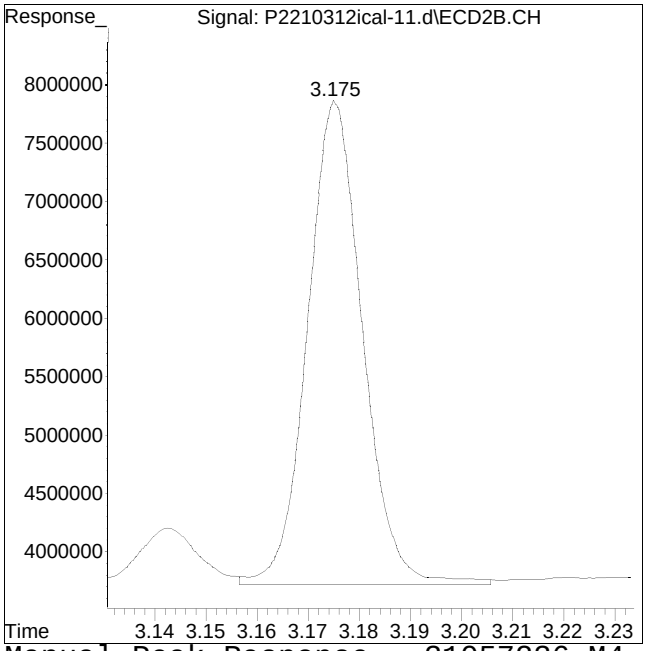
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-11.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:33 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 3/12/2021 7:16 pm

Compound #97: 1262-1 #2



Original Peak Response = 42067753

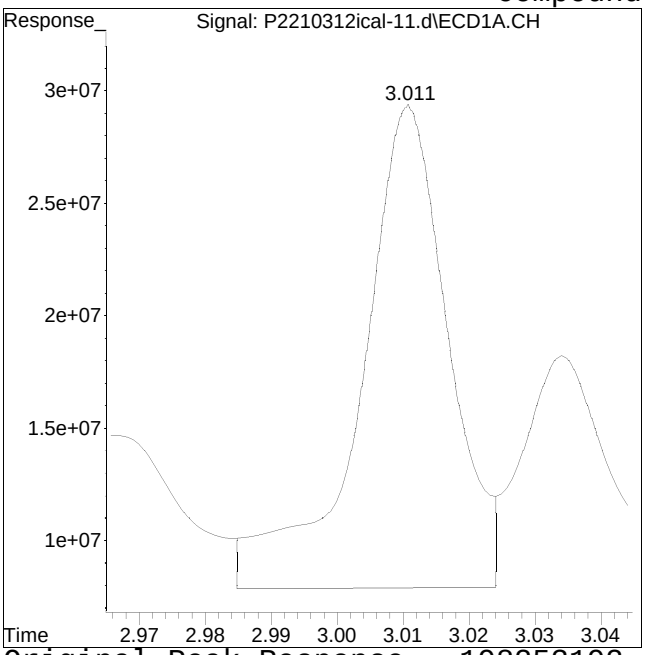


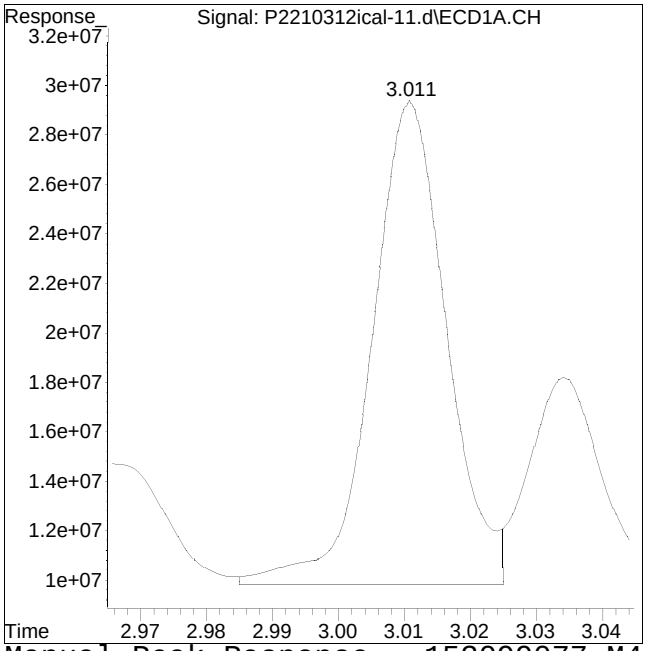
Manual Peak Response = 31057236 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-11.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:33 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 3/12/2021 7:16 pm

Compound #47: 1262-2



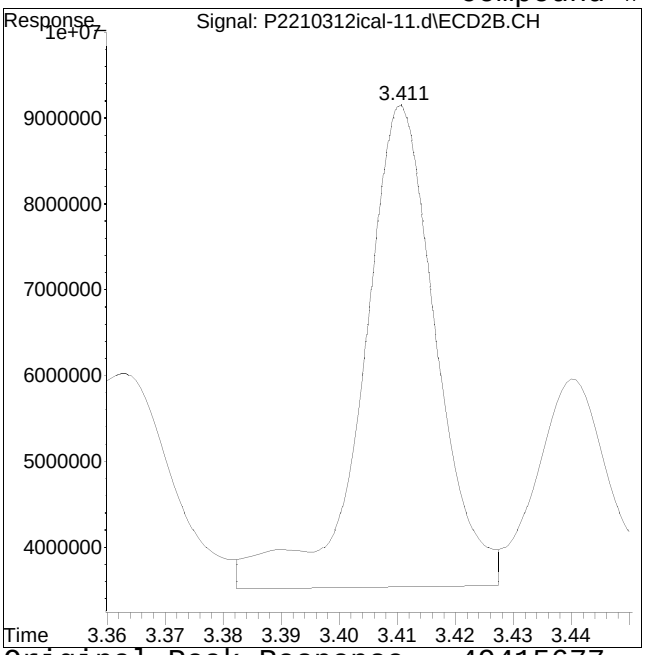


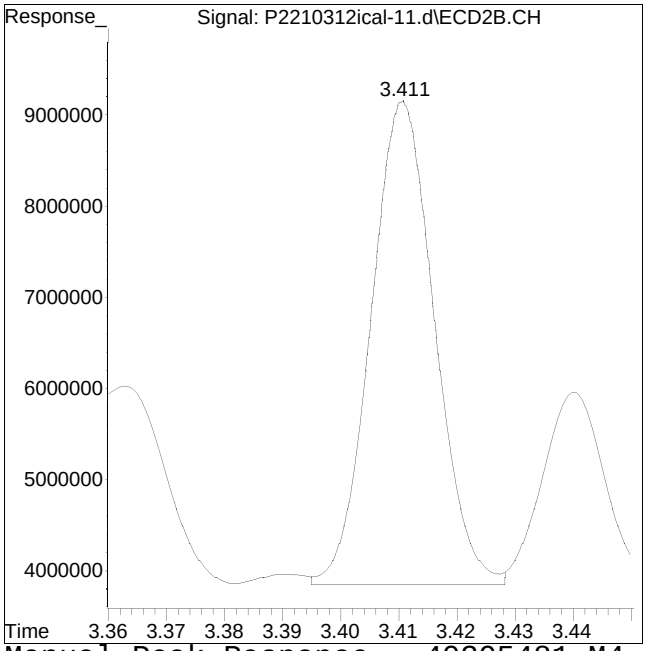
Original Peak Response = 198253192 Manual Peak Response = 153099077 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-11.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:33 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 3/12/2021 7:16 pm

Compound #98: 1262-2 #2



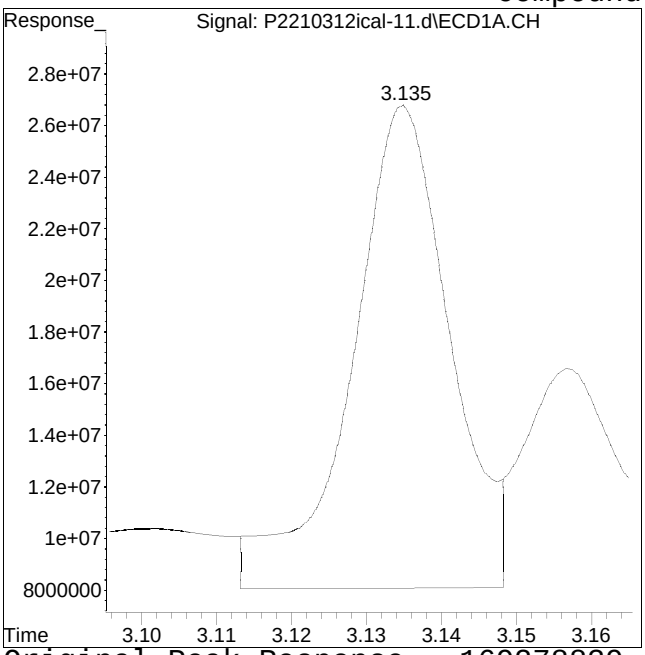


Original Peak Response = 49415677 Manual Peak Response = 40395481 M4
M4 = Poor automated baseline construction.

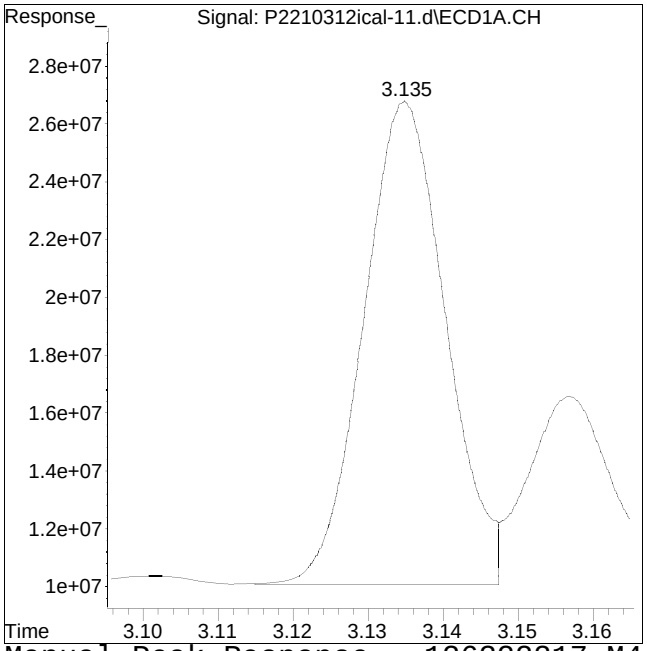
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-11.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:33 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 3/12/2021 7:16 pm

Compound #48: 1262-3



Original Peak Response = 169278839



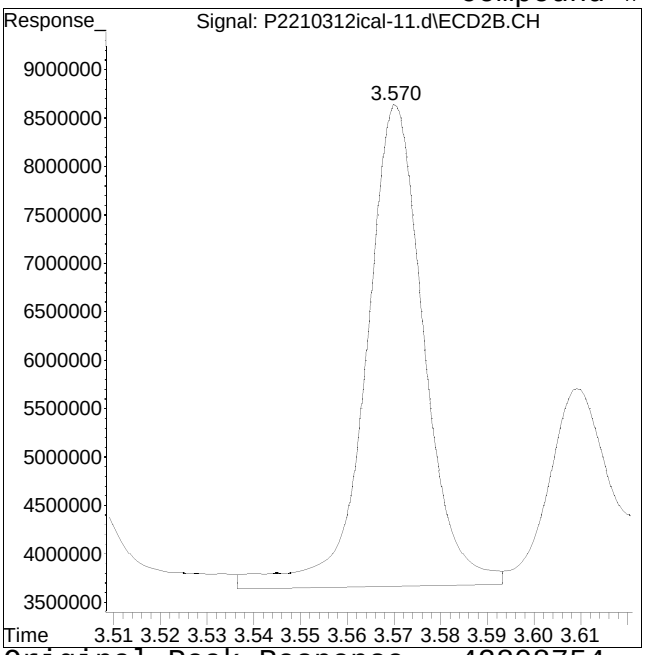
Manual Peak Response = 126322217 M4

M4 = Poor automated baseline construction.

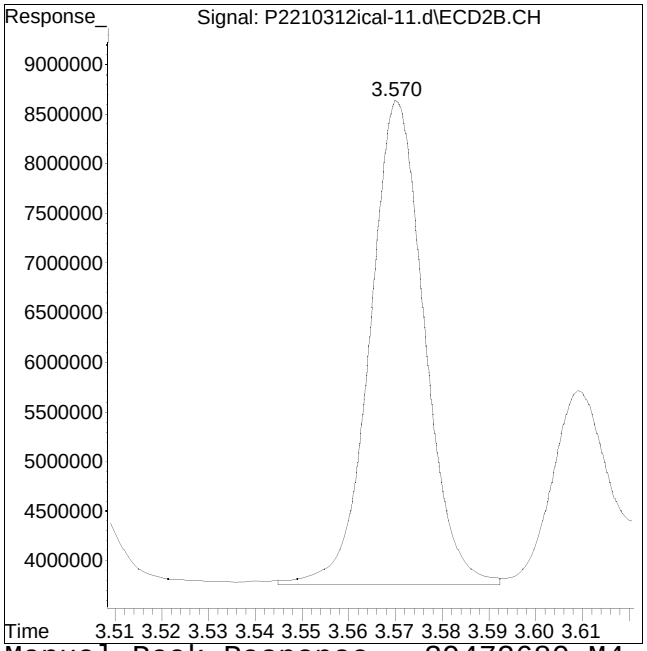
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-11.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:33 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 3/12/2021 7:16 pm

Compound #99: 1262-3 #2



Original Peak Response = 42808754



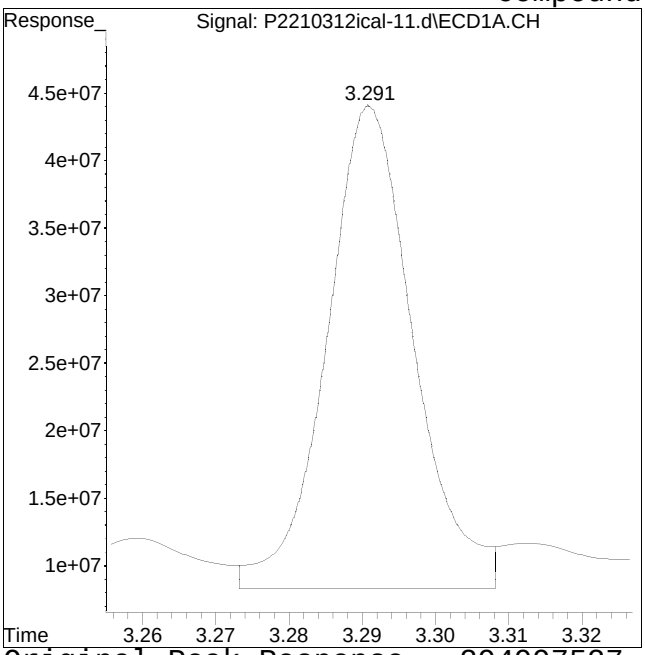
Manual Peak Response = 39472680 M4

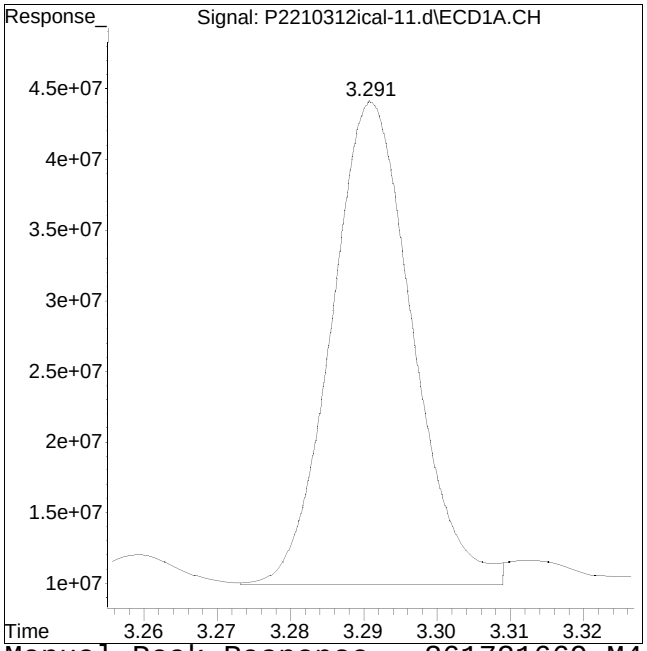
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-11.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:33 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 3/12/2021 7:16 pm

Compound #49: 1262-4



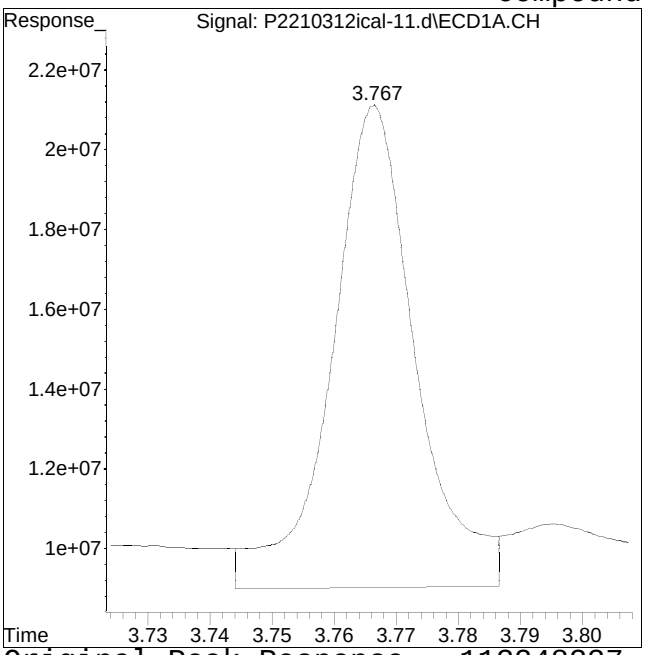


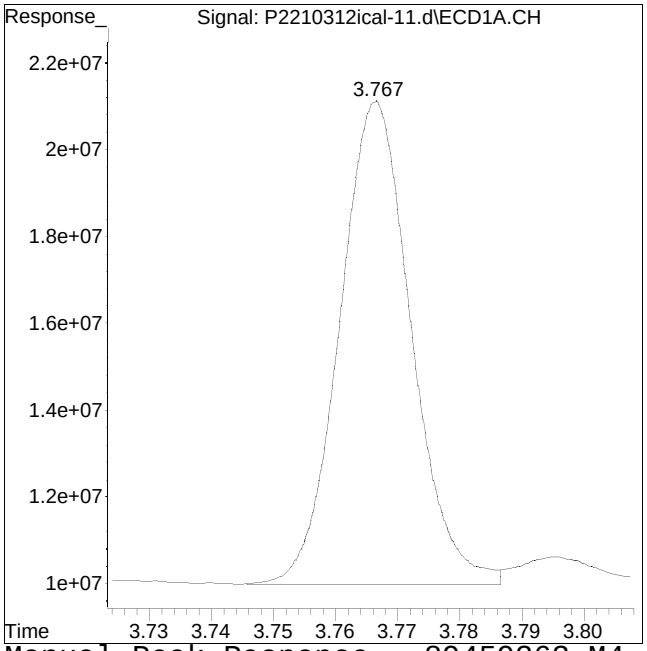
Original Peak Response = 294997527 Manual Peak Response = 261721669 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-11.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:33 pm Instrument : PEST 2
Sample : il43262,42e,,10253 lvi Quant Date : 3/12/2021 7:16 pm

Compound #50: 1262-5





Original Peak Response = 113248337 Manual Peak Response = 89459363 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:41 pm
Operator : pest2:kb
Sample : il41248,42e,,10254 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:17:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:16:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.153	1.224	194.1E6	61810738	25.000	25.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:41 pm
Operator : pest2:kb
Sample : il41248,42e,,10254 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:17:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:16:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.915	2.177	100.9E6	29121330	250.000	250.000
36) l7	1248-2	2.046	2.332	115.7E6	19287730	250.000	250.000
37) l7	1248-3	2.142	2.459	104.6E6	23779675	250.000	250.000
38) l7	1248-4	2.325	2.635	89770342	27289133	250.000	250.000M4
39) l7	1248-5	2.338	2.659	76989025	30608428	250.000	250.000M4
Sum	1248-1			488.0E6	130.1E6	N.D.	N.D. D

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:41 pm
Operator : pest2:kb
Sample : il41248,42e,,10254 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:17:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:16:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					250.000	250.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

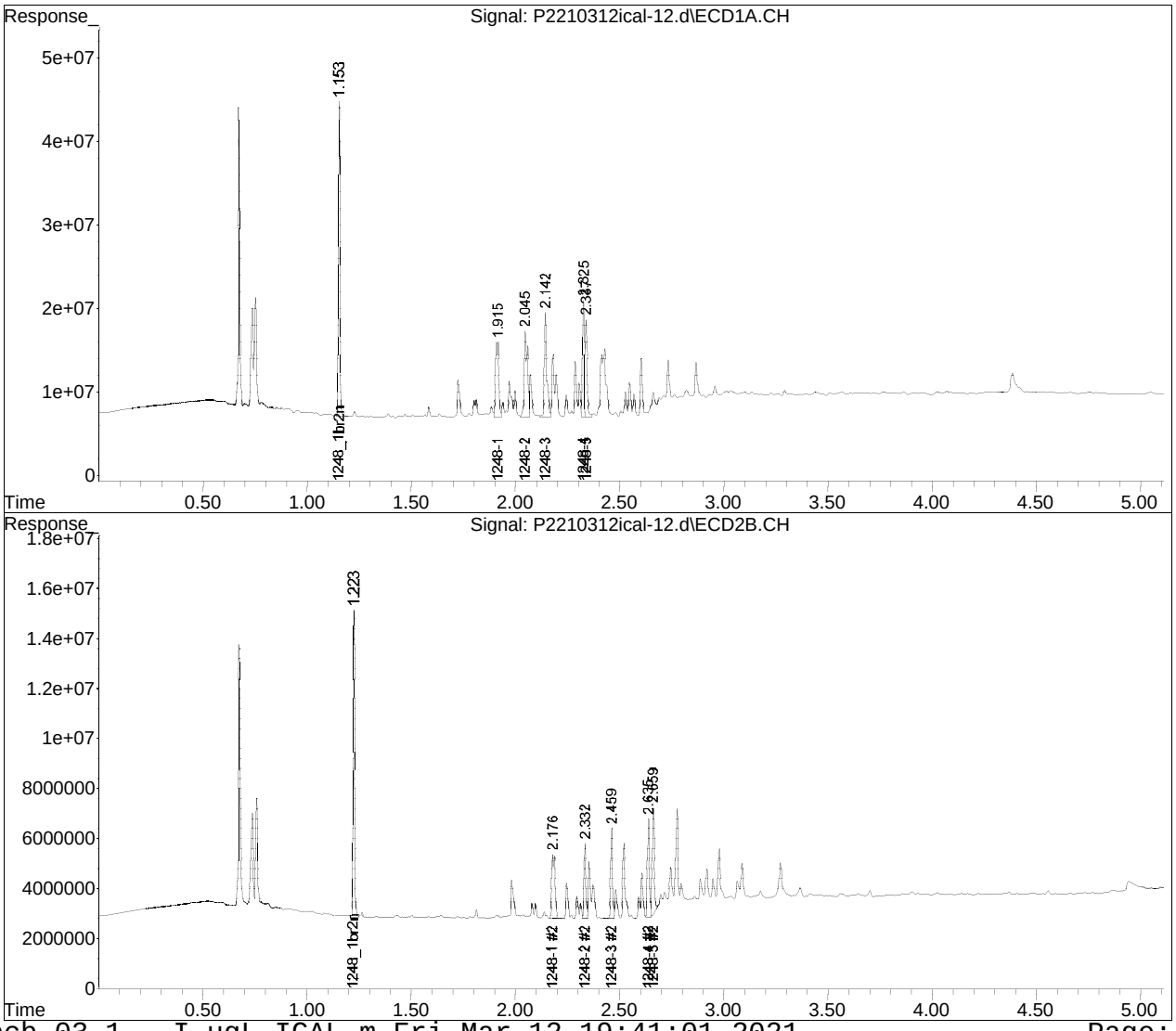
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:41 pm
Operator : pest2:kb
Sample : il41248,42e,,10254 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:17:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:16:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

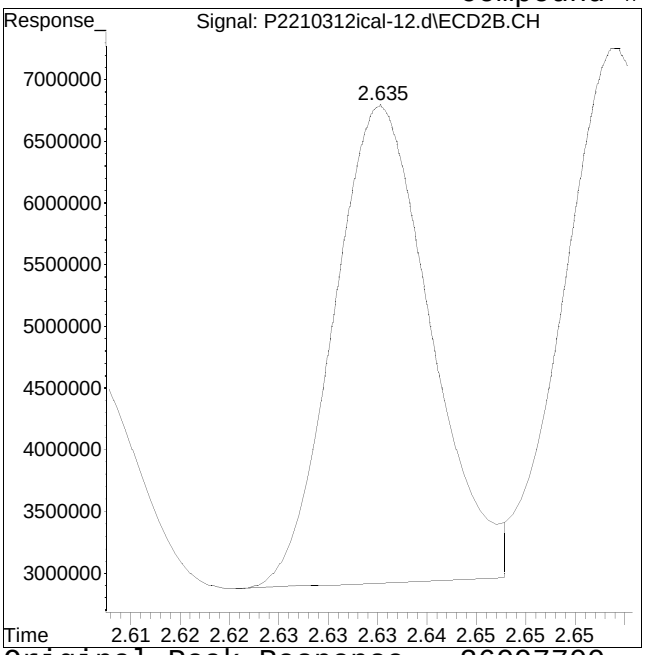
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

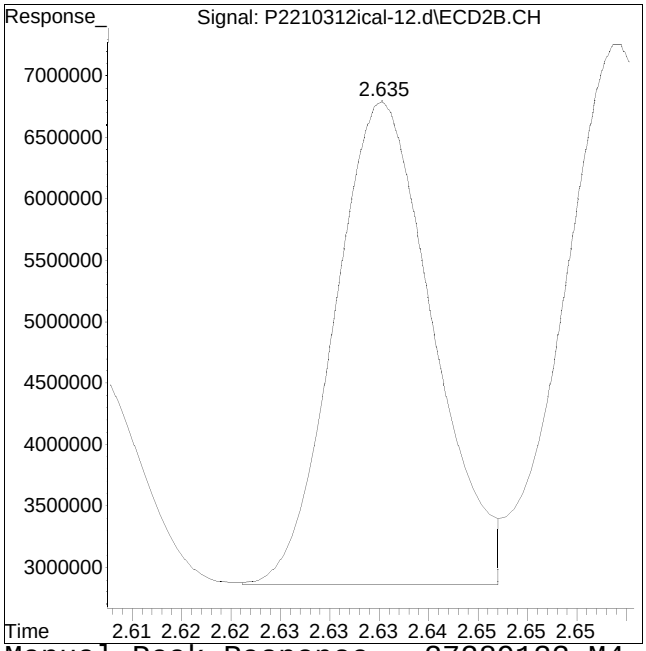


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-12.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:41 pm Instrument : PEST 2
Sample : il41248,42e,,10254 lvi Quant Date : 3/12/2021 7:16 pm

Compound #89: 1248-4 #2



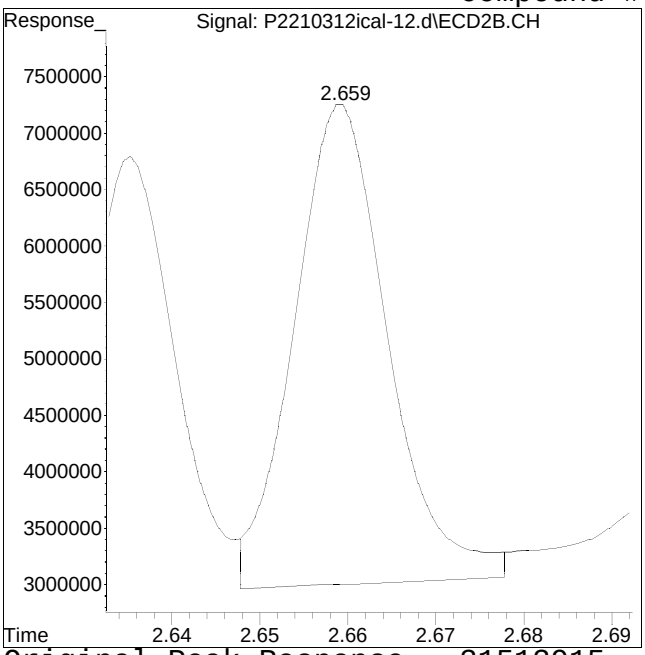


Original Peak Response = 26097700 Manual Peak Response = 27289133 M4
M4 = Poor automated baseline construction.

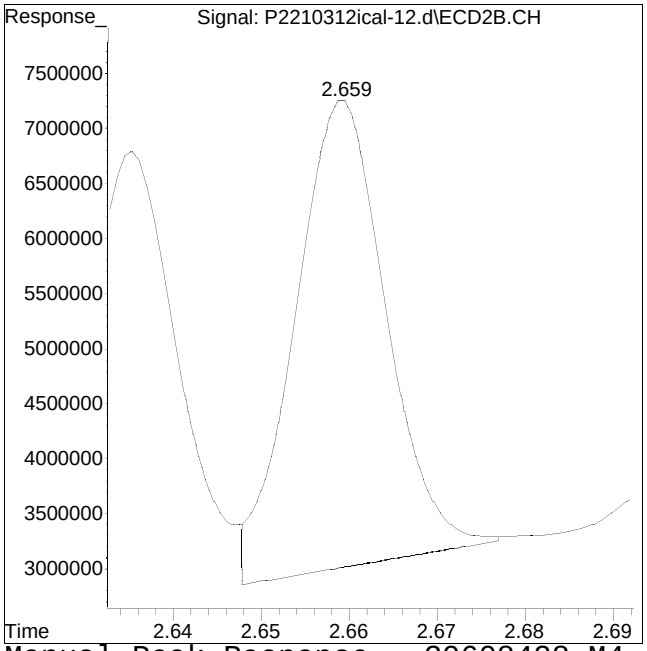
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-12.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:41 pm Instrument : PEST 2
Sample : il41248,42e,,10254 lvi Quant Date : 3/12/2021 7:16 pm

Compound #90: 1248-5 #2



Original Peak Response = 31513915



Manual Peak Response = 30608428 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:49 pm
Operator : pest2:kb
Sample : il42154,42e,,10251 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:17:29 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:17:15 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.152	1.223	187.5E6	55261219	25.000	25.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	1.505	1.722	21614695	6534340	250.000	250.000
16) l3	1221-3	1.565	1.783	13146993	4247607	250.000	250.000
17) l3	1221-4	1.582	1.809	53442397	16137329	250.000	250.000

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:49 pm
Operator : pest2:kb
Sample : il42154,42e,,10251 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:17:29 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:17:15 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			88204085	26919276	750.000	750.000
Average	1221-2					250.000	250.000
18) l4	1254-1	2.306	2.657	70664595	23800511	250.000	250.000M4
19) l4	1254-2	2.419	2.744	128.1E6	30448061	250.000	250.000M4
20) l4	1254-3	2.603	2.976	132.5E6	42921756	250.000	250.000M4
21) l4	1254-4	2.732	3.087	102.2E6	30264137	250.000M4	250.000M4
22) l4	1254-5	2.956	3.365	141.6E6	40394305	250.000M4	250.000M4
Sum	1254-1			575.1E6	167.8E6	N.D.	N.D. D
Average	1254-1					250.000	250.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:49 pm
Operator : pest2:kb
Sample : il42154,42e,,10251 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:17:29 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:17:15 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

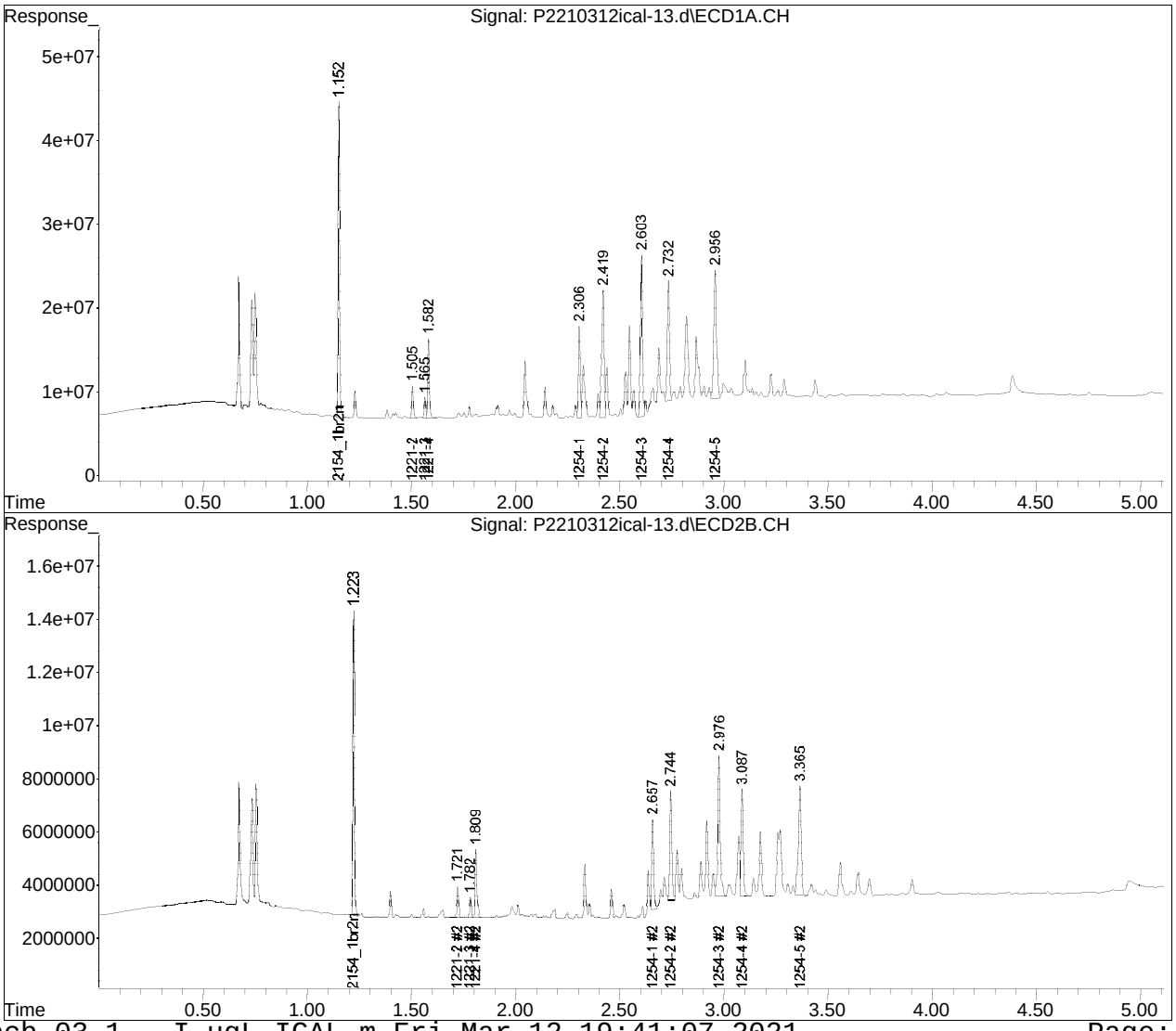
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:49 pm
Operator : pest2:kb
Sample : il42154,42e,,10251 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:17:29 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:17:15 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

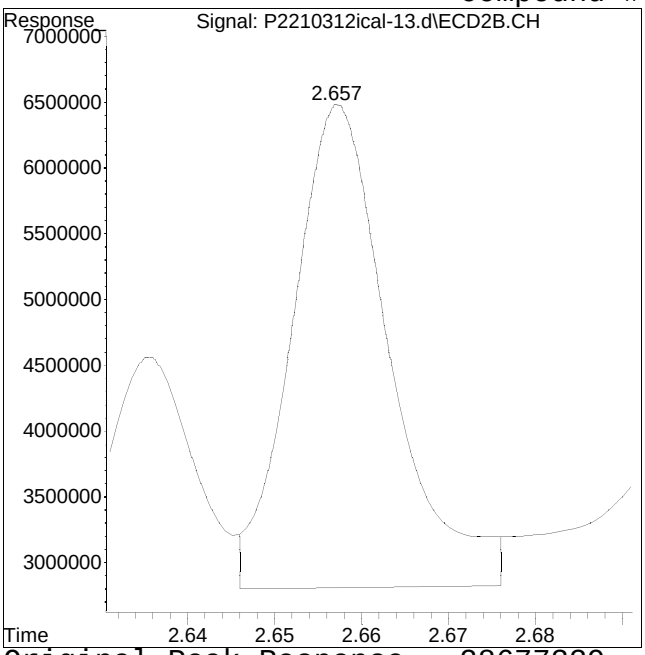
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

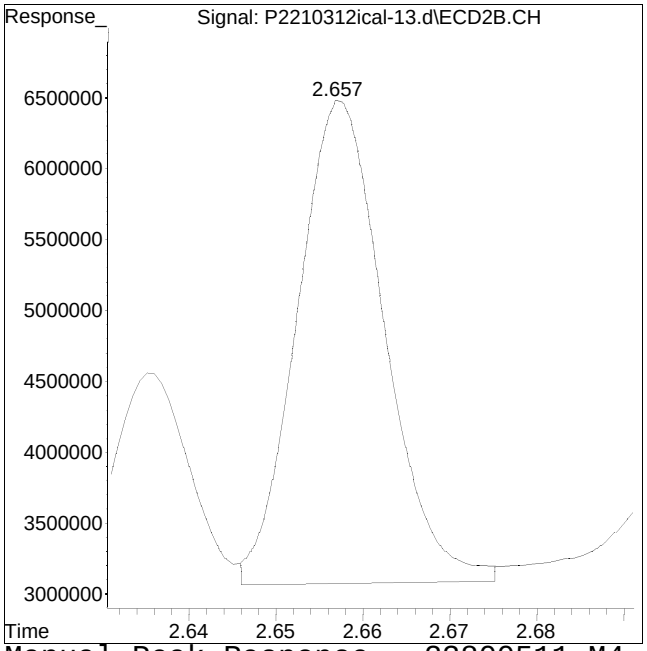


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-13.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:49 pm Instrument : PEST 2
Sample : il42154,42e,,10251 lvi Quant Date : 3/12/2021 7:17 pm

Compound #69: 1254-1 #2



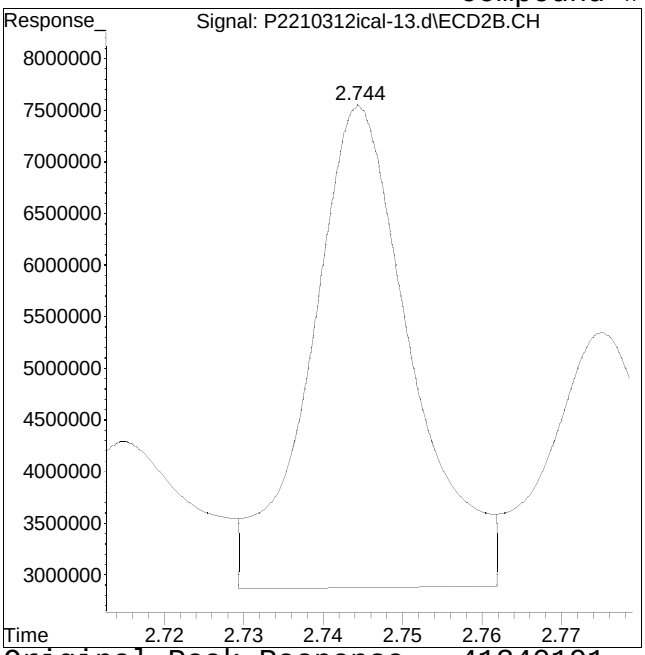


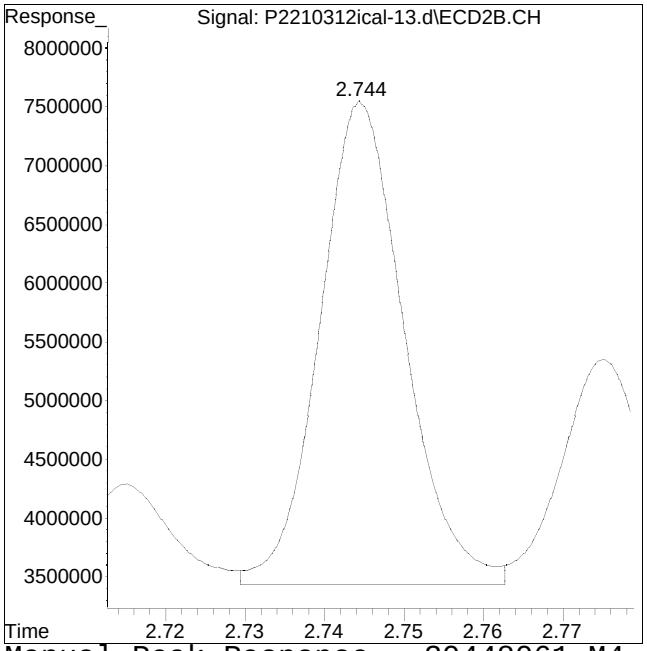
Original Peak Response = 28677339 Manual Peak Response = 23800511 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-13.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:49 pm Instrument : PEST 2
Sample : il42154,42e,,10251 lvi Quant Date : 3/12/2021 7:17 pm

Compound #70: 1254-2 #2



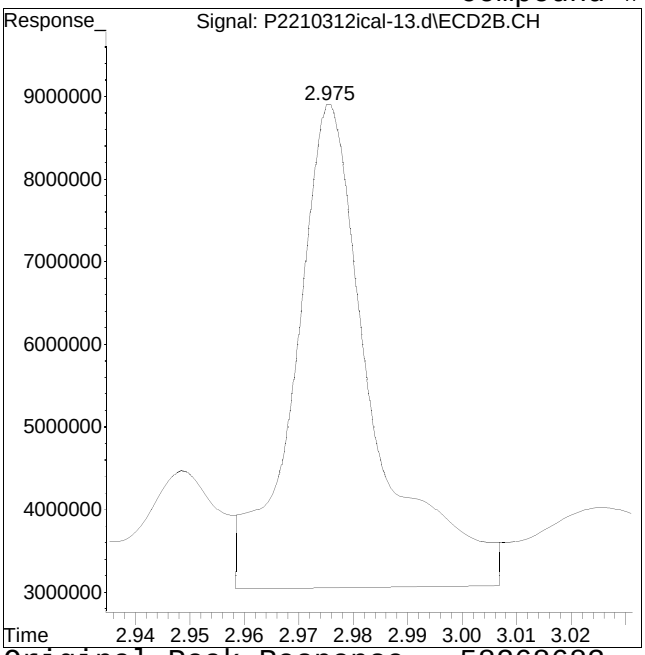


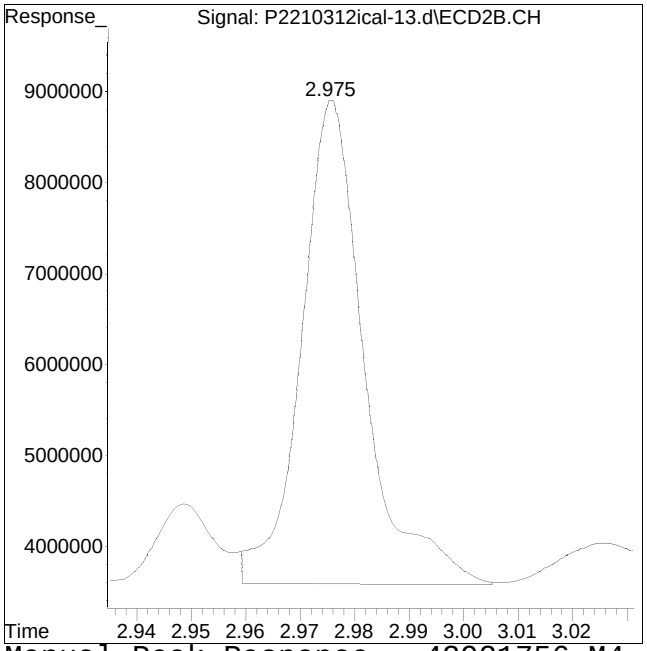
Original Peak Response = 41340191 Manual Peak Response = 30448061 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-13.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:49 pm Instrument : PEST 2
Sample : il42154,42e,,10251 lvi Quant Date : 3/12/2021 7:17 pm

Compound #71: 1254-3 #2



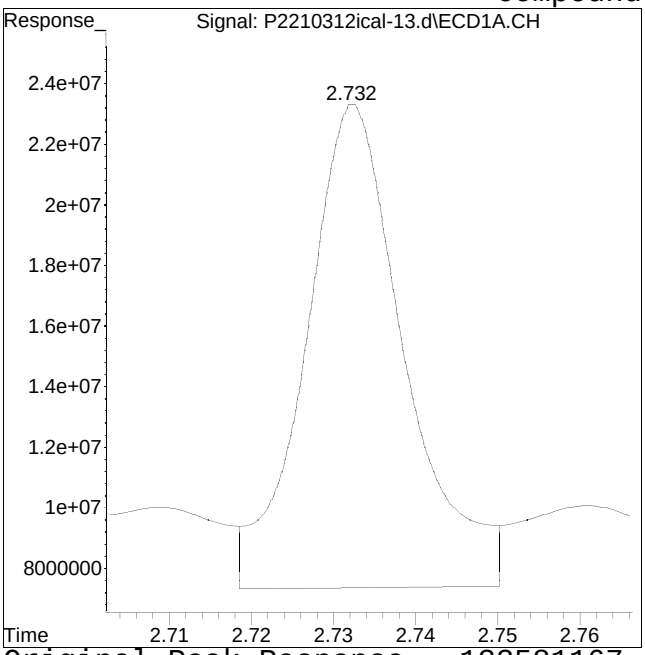


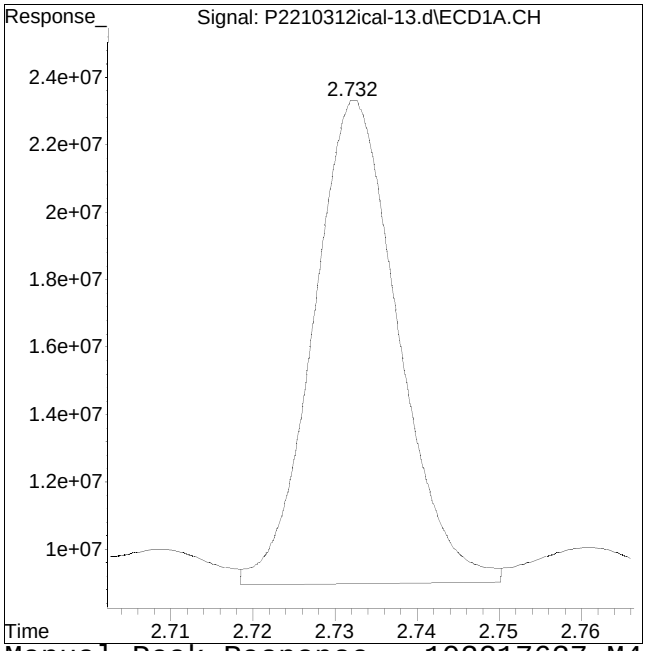
Original Peak Response = 58268683 Manual Peak Response = 42921756 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-13.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:49 pm Instrument : PEST 2
Sample : il42154,42e,,10251 lvi Quant Date : 3/12/2021 7:17 pm

Compound #21: 1254-4



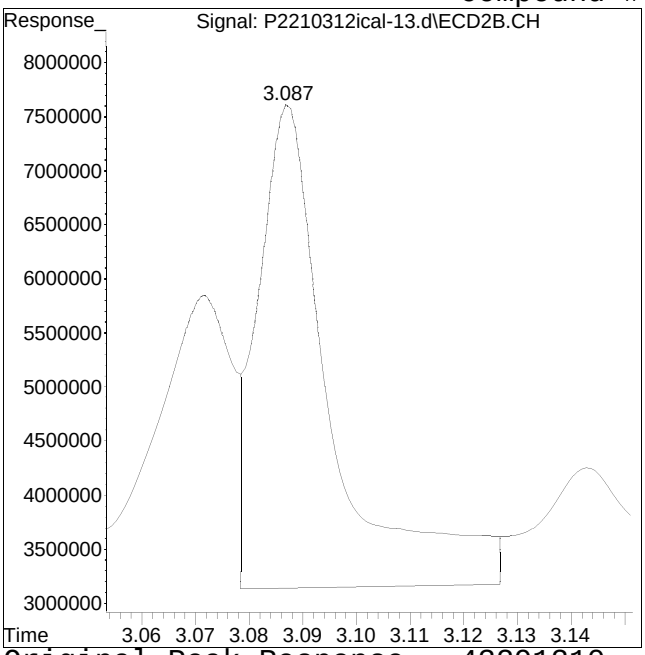


Original Peak Response = 133581167 Manual Peak Response = 102217637 M4
M4 = Poor automated baseline construction.

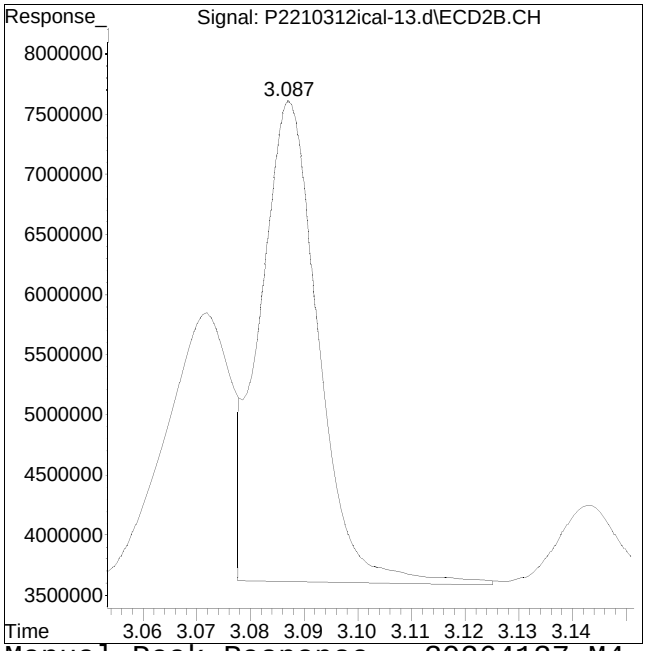
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-13.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:49 pm Instrument : PEST 2
Sample : il42154,42e,,10251 lvi Quant Date : 3/12/2021 7:17 pm

Compound #72: 1254-4 #2



Original Peak Response = 43291210



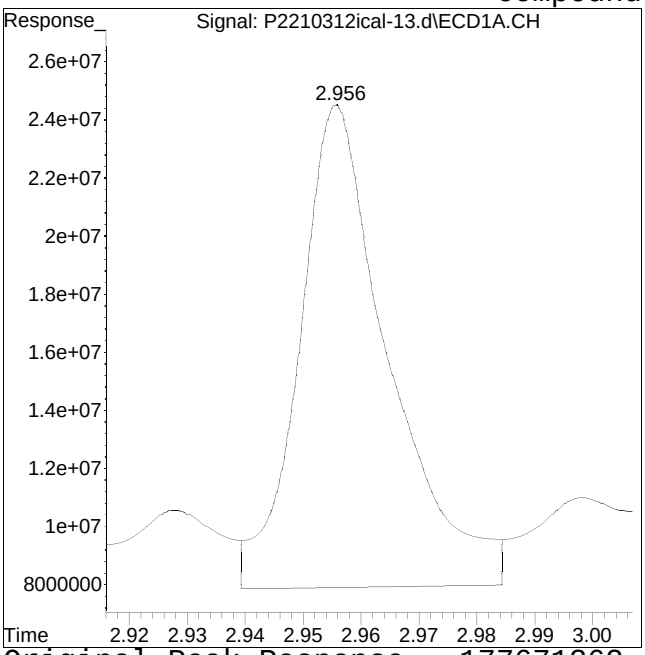
Manual Peak Response = 30264137 M4

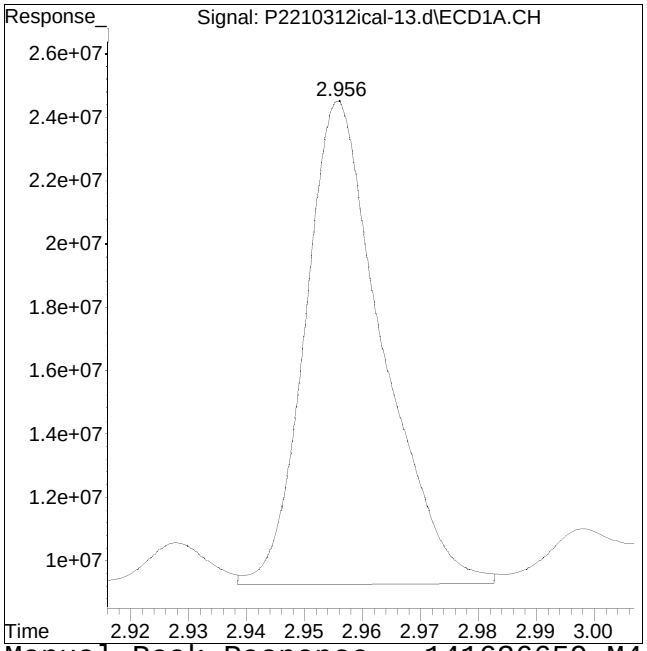
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-13.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:49 pm Instrument : PEST 2
Sample : il42154,42e,,10251 lvi Quant Date : 3/12/2021 7:17 pm

Compound #22: 1254-5



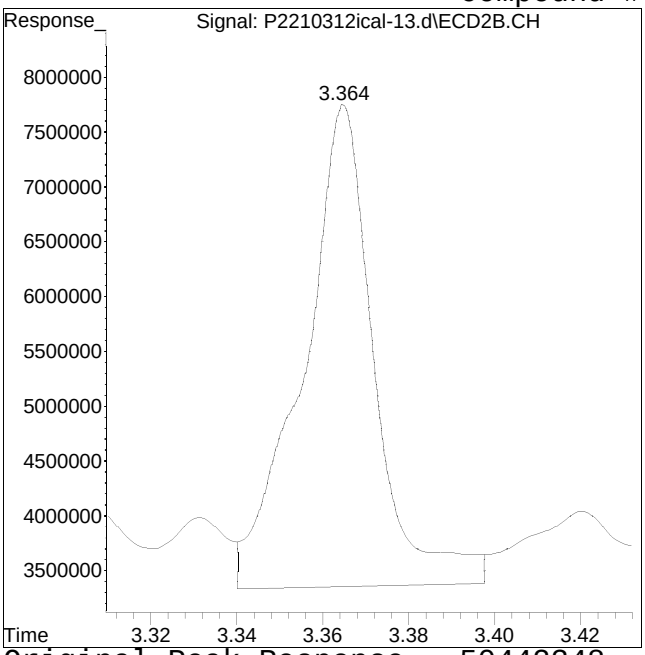


Original Peak Response = 177671362 Manual Peak Response = 141636659 M4
M4 = Poor automated baseline construction.

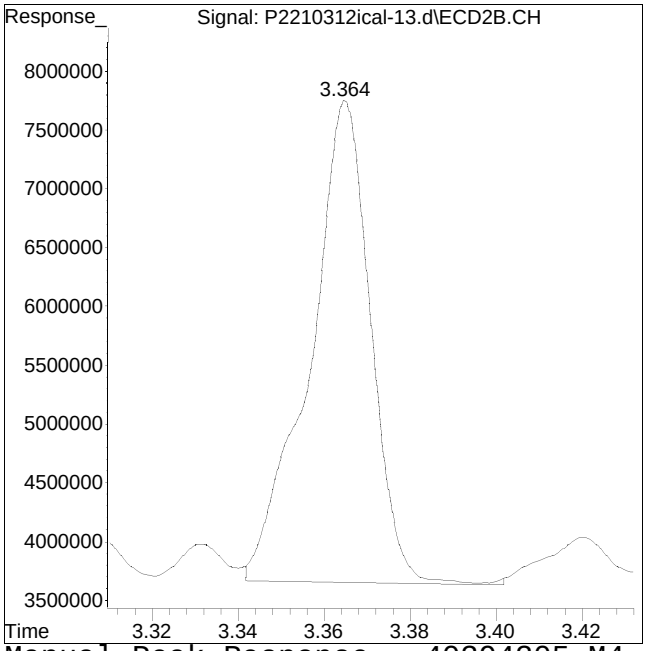
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-13.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:49 pm Instrument : PEST 2
Sample : il42154,42e,,10251 lvi Quant Date : 3/12/2021 7:17 pm

Compound #73: 1254-5 #2



Original Peak Response = 50442348



Manual Peak Response = 40394305 M4

M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   4:57 pm
Operator : pest2:kb
Sample   : cicv1660,42e,,10255 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:16 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:08 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	1.000	1.000	0.0	132	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	1.211	1.050	13.3	98	0.00
3	s	Decachlorobiphenyl	1.078	0.905	16.0	96	0.00
4	l1	1016-1	0.021	0.020	4.8	111	0.00
5	l1	1016-2	0.043	0.046	-7.0	140	0.00
6	l1	1016-3	0.094	0.098	-4.3	114	0.00
7	l1	1016-4	0.037	0.040	-8.1	119	0.00
8	l1	1016-5	0.041	0.041	0.0	109	0.00
9	l2	1260-1	0.063	0.063	0.0	105	0.00
10	l2	1260-2	0.094	0.094	0.0	109	0.00
11	l2	1260-3	0.058	0.050	13.8	91	0.00
12	l2	1260-4	0.132	0.110	16.7	96	0.00
13	l2	1260-5	0.099	0.082	17.2	93	0.00
14	i	2154_1br2nb	1.000	1.000	0.0	100	0.00
23	i	4268_1br2nb	1.000	1.000	0.0	112	0.00
34	i	1248_1br2nb	1.000	1.000	0.0	96	0.00
40	i	3262_1br2nb	1.000	1.000	0.0	100	0.00

Signal #2

1	i	1660_1br2nb	1.000	1.000	0.0	100	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	1.129	1.060	6.1	94	0.00
3	s	Decachlorobiphenyl	0.945	0.818	13.4	94	0.00
4	l1	1016-1	0.021	0.020	4.8	96	0.00
5	l1	1016-2	0.045	0.048	-6.7	105	0.00
6	l1	1016-3	0.095	0.097	-2.1	106	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   4:57 pm
Operator : pest2:kb
Sample   : cicv1660,42e,,10255 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:16 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:08 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
7	l1	1016-4	0.038	0.038	0.0	106	0.00
8	l1	1016-5	0.032	0.030	6.3	101	0.00
9	l2	1260-1	0.062	0.064	-3.2	110	0.00
10	l2	1260-2	0.074	0.072	2.7	103	0.00
11	l2	1260-3	0.064	0.055	14.1	95	0.00
12	l2	1260-4	0.124	0.107	13.7	90	0.00
13	l2	1260-5	0.090	0.078	13.3	92	0.00
14	i	2154_1br2nb	1.000	1.000	0.0	101	0.00
23	i	4268_1br2nb	1.000	1.000	0.0	101	0.00
34	i	1248_1br2nb	1.000	1.000	0.0	91	0.00
40	i	3262_1br2nb	1.000	1.000	0.0	101	0.00

Evaluate Continuing Calibration Report - Not Founds

15	l3	1221-2	0.00155	0.00000	100.0#	0#	-1.50#
16	l3	1221-3	0.00095	0.00000	100.0#	0#	-1.56#
17	l3	1221-4	0.00384	0.00000	100.0#	0#	-1.58#
18	l4	1254-1	0.00508	0.00000	100.0#	0#	-2.31#
19	l4	1254-2	0.00921	0.00000	100.0#	0#	-2.42#
20	l4	1254-3	0.00953	0.00000	100.0#	0#	-2.60#
21	l4	1254-4	0.00735	0.00000	100.0#	0#	-2.73#
22	l4	1254-5	0.010	0.000	100.0#	0#	-2.96#
24	l6	1242-1	0.00199	0.00000	100.0#	0#	-1.58#
25	l6	1242-2	0.00413	0.00000	100.0#	0#	-1.73#
26	l6	1242-3	0.00948	0.00000	100.0#	0#	-1.92#
27	l6	1242-4	0.00388	0.00000	100.0#	0#	-1.97#
28	l6	1242-5	0.00322	0.00000	100.0#	0#	-2.32#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   4:57 pm
Operator : pest2:kb
Sample   : cicv1660,42e,,10255 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:16 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:08 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
29	l9	1268-1	0.022	0.000		100.0#	0#	-3.45#
30	l9	1268-2	0.021	0.000		100.0#	0#	-3.48#
31	l9	1268-3	0.016	0.000		100.0#	0#	-3.58#
32	l9	1268-4	0.00754	0.00000		100.0#	0#	-3.77#
33	l9	1268-5	0.048	0.000		100.0#	0#	-3.92#
35	l7	1248-1	0.00725	0.00000		100.0#	0#	-1.92#
36	l7	1248-2	0.00832	0.00000		100.0#	0#	-2.05#
37	l7	1248-3	0.00752	0.00000		100.0#	0#	-2.14#
38	l7	1248-4	0.00645	0.00000		100.0#	0#	-2.33#
39	l7	1248-5	0.00554	0.00000		100.0#	0#	-2.34#
41	l5	1232-1	0.00289	0.00000		100.0#	0#	-1.58#
42	l5	1232-2	0.00262	0.00000		100.0#	0#	-1.73#
43	l5	1232-3	0.00584	0.00000		100.0#	0#	-1.92#
44	l5	1232-4	0.00269	0.00000		100.0#	0#	-1.97#
45	l5	1232-5	0.00163	0.00000		100.0#	0#	-2.33#
46	l8	1262-1	0.00844	0.00000		100.0#	0#	-2.82#
47	l8	1262-2	0.011	0.000		100.0#	0#	-3.01#
48	l8	1262-3	0.00908	0.00000		100.0#	0#	-3.13#
49	l8	1262-4	0.019	0.000		100.0#	0#	-3.29#
50	l8	1262-5	0.00643	0.00000		100.0#	0#	-3.77#
Signal #2								
15	l3	1221-2	26.137	0.000	E3	100.0#	0#	-1.72#
16	l3	1221-3	16.990	0.000	E3	100.0#	0#	-1.78#
17	l3	1221-4	64.549	0.000	E3	100.0#	0#	-1.81#
18	l4	1254-1	95.202	0.000	E3	100.0#	0#	-2.66#
19	l4	1254-2	121.792	0.000	E3	100.0#	0#	-2.74#
20	l4	1254-3	171.687	0.000	E3	100.0#	0#	-2.98#
21	l4	1254-4	121.057	0.000	E3	100.0#	0#	-3.09#
22	l4	1254-5	161.577	0.000	E3	100.0#	0#	-3.37#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   4:57 pm
Operator : pest2:kb
Sample   : cicv1660,42e,,10255 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:16 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:08 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
24 l6	1242-1	36.597	0.000 E3	100.0#	0#	-1.81#
25 l6	1242-2	82.248	0.000 E3	100.0#	0#	-1.98#
26 l6	1242-3	165.069	0.000 E3	100.0#	0#	-2.19#
27 l6	1242-4	65.903	0.000 E3	100.0#	0#	-2.25#
28 l6	1242-5	59.418	0.000 E3	100.0#	0#	-2.63#
29 l9	1268-1	368.454	0.000 E3	100.0#	0#	-3.90#
30 l9	1268-2	351.009	0.000 E3	100.0#	0#	-3.92#
31 l9	1268-3	258.945	0.000 E3	100.0#	0#	-4.07#
32 l9	1268-4	115.856	0.000 E3	100.0#	0#	-4.22#
33 l9	1268-5	744.641	0.000 E3	100.0#	0#	-4.41#
35 l7	1248-1	116.485	0.000 E3	100.0#	0#	-2.18#
36 l7	1248-2	77.151	0.000 E3	100.0#	0#	-2.33#
37 l7	1248-3	95.119	0.000 E3	100.0#	0#	-2.46#
38 l7	1248-4	109.157	0.000 E3	100.0#	0#	-2.64#
39 l7	1248-5	122.434	0.000 E3	100.0#	0#	-2.66#
41 l5	1232-1	50.322	0.000 E3	100.0#	0#	-1.81#
42 l5	1232-2	55.844	0.000 E3	100.0#	0#	-1.98#
43 l5	1232-3	95.723	0.000 E3	100.0#	0#	-2.19#
44 l5	1232-4	38.242	0.000 E3	100.0#	0#	-2.25#
45 l5	1232-5	31.522	0.000 E3	100.0#	0#	-2.64#
46 l8	1262-1	124.229	0.000 E3	100.0#	0#	-3.17#
47 l8	1262-2	161.582	0.000 E3	100.0#	0#	-3.41#
48 l8	1262-3	157.891	0.000 E3	100.0#	0#	-3.57#
49 l8	1262-4	295.476	0.000 E3	100.0#	0#	-3.70#
50 l8	1262-5	104.882	0.000 E3	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:57 pm
Operator : pest2:kb
Sample : cicv1660,42e,,10255 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:16 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:08 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.153	1.223	186.8E6	55987551	25.000	25.000
14) i	2154_1br2nb	1.153	1.223	186.8E6	55987551	25.000	25.000
23) i	4268_1br2nb	1.153	1.223	186.8E6	55987551	25.000	25.000
34) i	1248_1br2nb	1.153	1.223	186.8E6	55987551	25.000	25.000
40) i	3262_1br2nb	1.153	1.223	186.8E6	55987551	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.442	1.605	125.5E6	37980894	13.873	15.024
	Spiked Amount 20.000	Range 30 - 150		Recovery =		69.36%	75.12%
3) s	Decachlorobi	4.024	4.554	216.4E6	58653268	26.869M4	27.718
	Spiked Amount 20.000	Range 30 - 150		Recovery =		134.35%	138.59%
	Target Compounds						
4) l1	1016-1	1.583	1.809	38186862	11256987	245.693	237.515
5) l1	1016-2	1.726	1.982	86389774	26711935	266.449	262.484M4
6) l1	1016-3	1.916	2.186	182.8E6	54329184	259.576	255.178
7) l1	1016-4	1.971	2.247	75317119	21517409	269.314M4	251.801
8) l1	1016-5	2.142	2.460	76617511	16866098	247.624	237.174
Sum	1016-1			459.3E6	130.7E6	1288.656	1244.153
Average	1016-1					257.731	248.831
9) l2	1260-1	2.688	3.072	118.3E6	35937567	252.261M4	257.091M4
10) l2	1260-2	2.818	3.175	175.6E6	40440276	250.524M4	245.475M4
11) l2	1260-3	3.135	3.570	92856428	31047719	214.161M4	215.603M4
12) l2	1260-4	3.291	3.700	205.8E6	59688456	209.365M4	214.866
13) l2	1260-5	3.439	3.903	153.8E6	43920873	208.563M1	217.409
Sum	1260-1			746.4E6	211.0E6	1134.873	1150.445
Average	1260-1					226.975	230.089

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:57 pm
Operator : pest2:kb
Sample : cicv1660,42e,,10255 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:16 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:08 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:57 pm
Operator : pest2:kb
Sample : cicv1660,42e,,10255 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:16 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:08 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

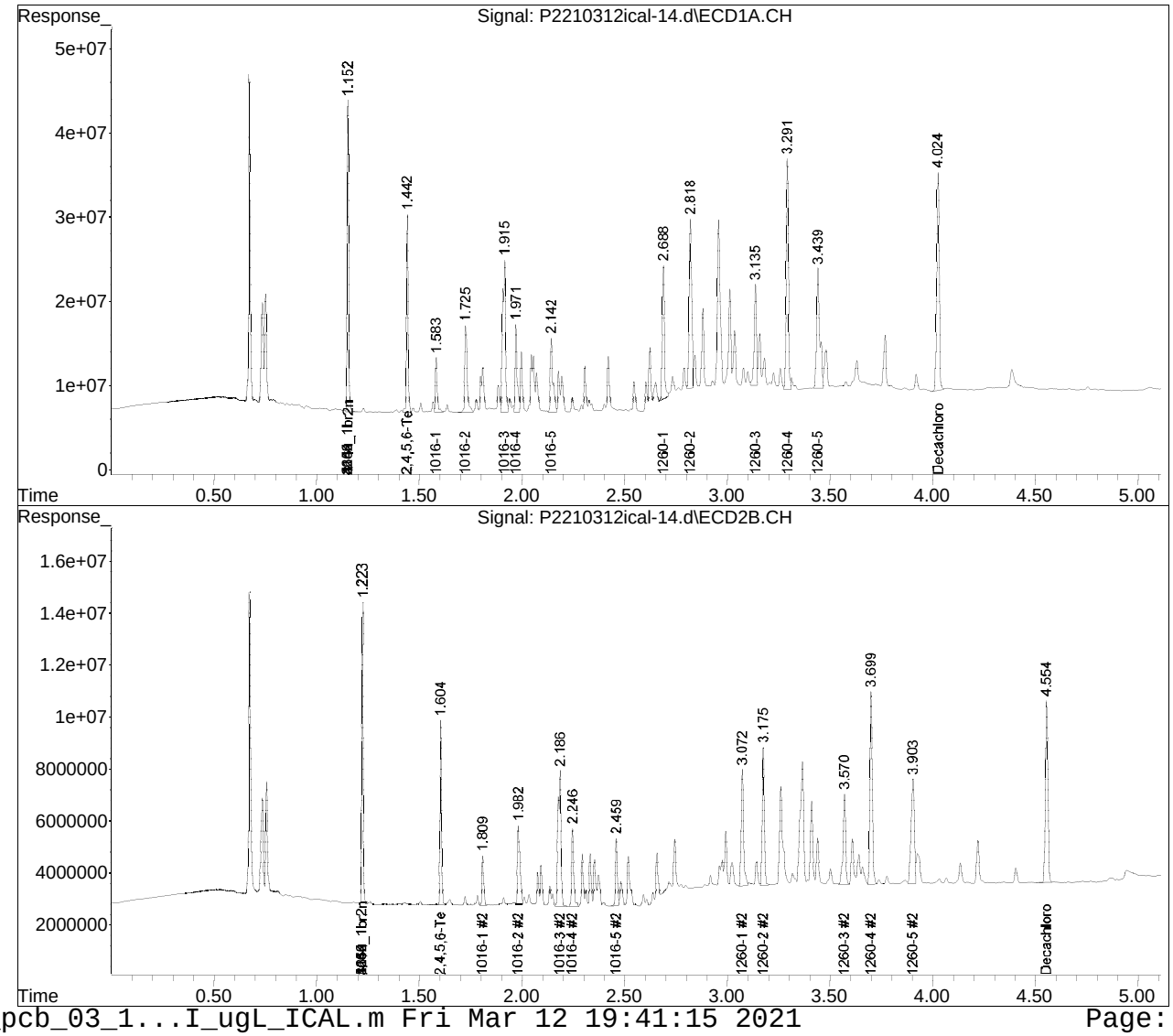
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:57 pm
Operator : pest2:kb
Sample : cicv1660,42e,,10255 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:16 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:08 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

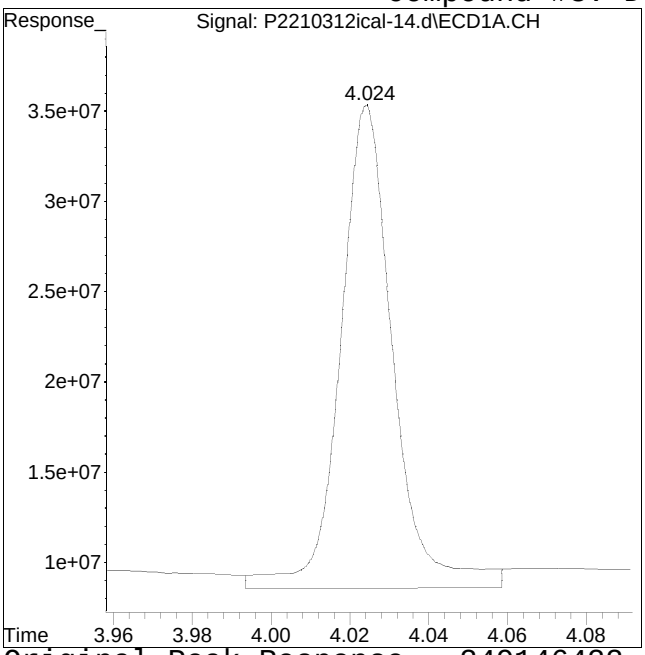
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

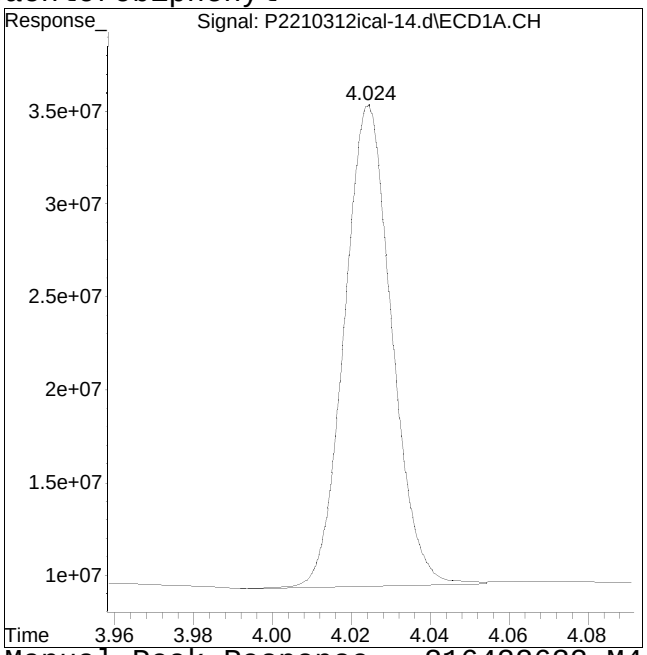


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-14.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : cicv1660,42e,,10255 lvi Quant Date : 3/12/2021 7:23 pm

Compound #3: Decachlorobiphenyl



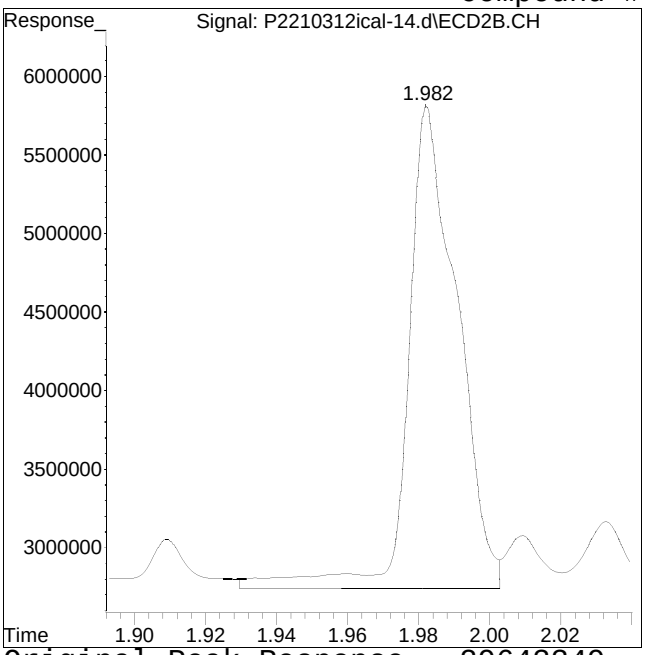


Original Peak Response = 249146422 Manual Peak Response = 216422632 M4
M4 = Poor automated baseline construction.

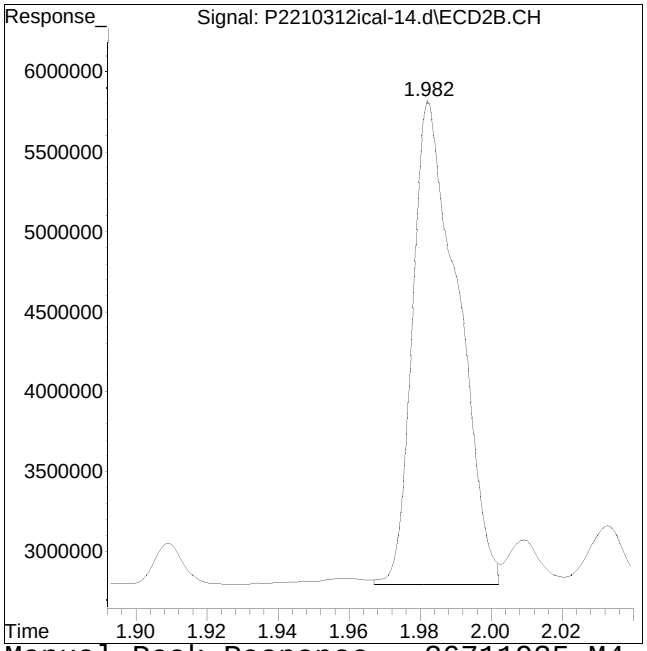
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-14.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : cicv1660,42e,,10255 lvi Quant Date : 3/12/2021 7:23 pm

Compound #56: 1016-2 #2



Original Peak Response = 29643349



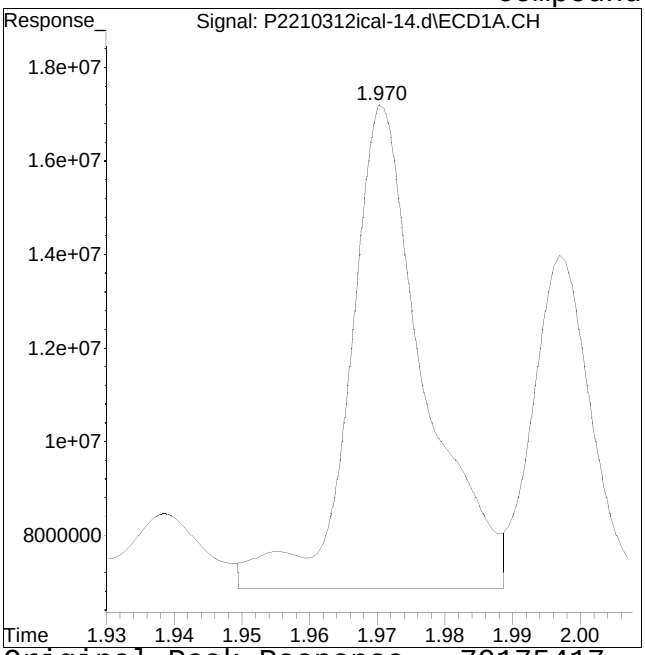
Manual Peak Response = 26711935 M4

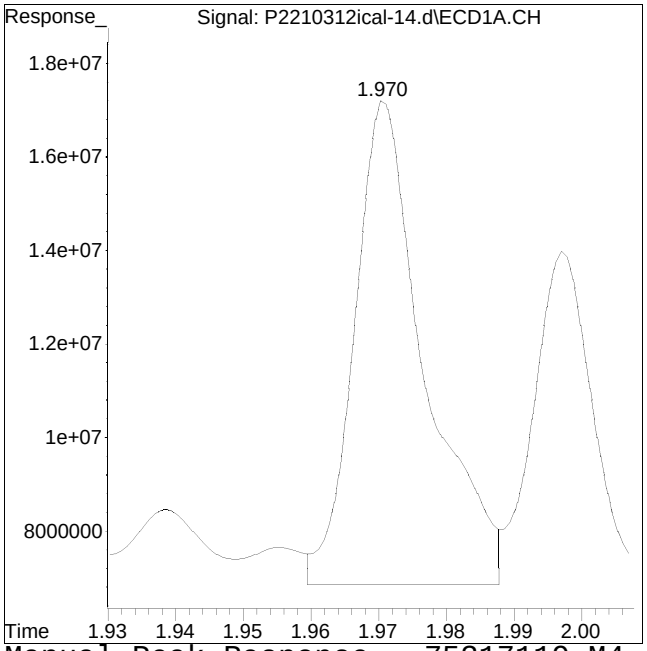
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-14.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : cicv1660,42e,,10255 lvi Quant Date : 3/12/2021 7:23 pm

Compound #7: 1016-4



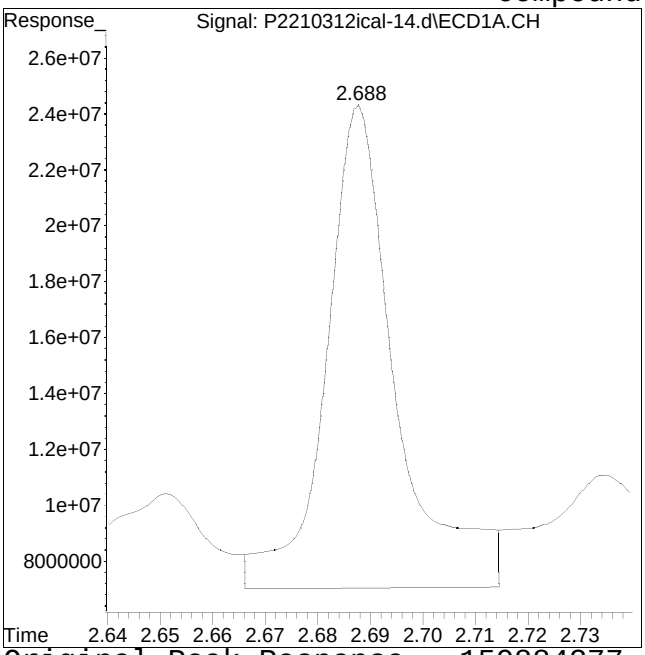


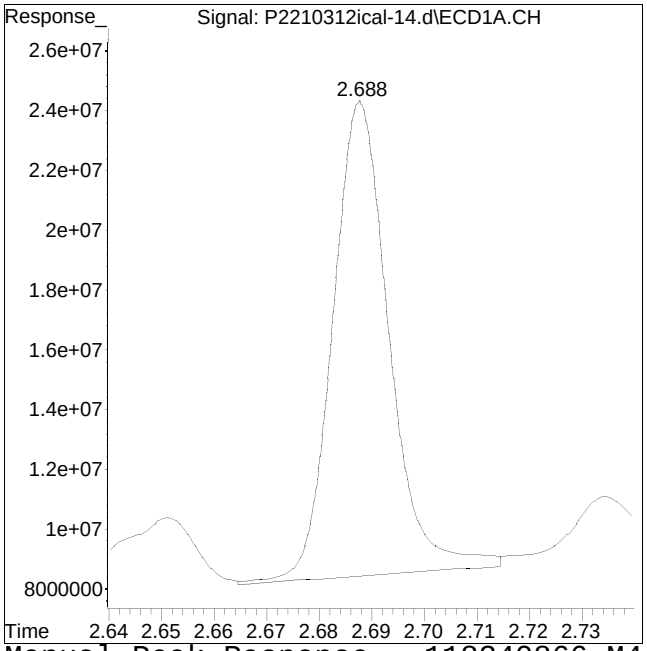
Original Peak Response = 79175417 Manual Peak Response = 75317119 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-14.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : cicv1660,42e,,10255 lvi Quant Date : 3/12/2021 7:23 pm

Compound #9: 1260-1



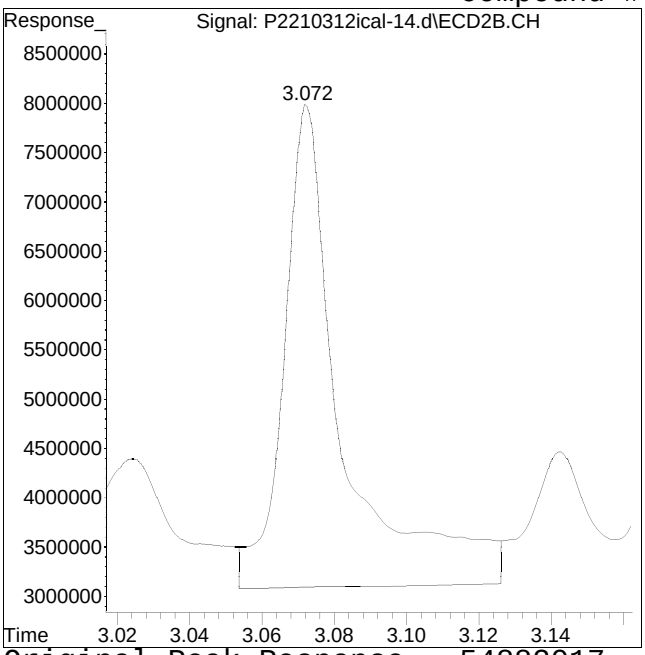


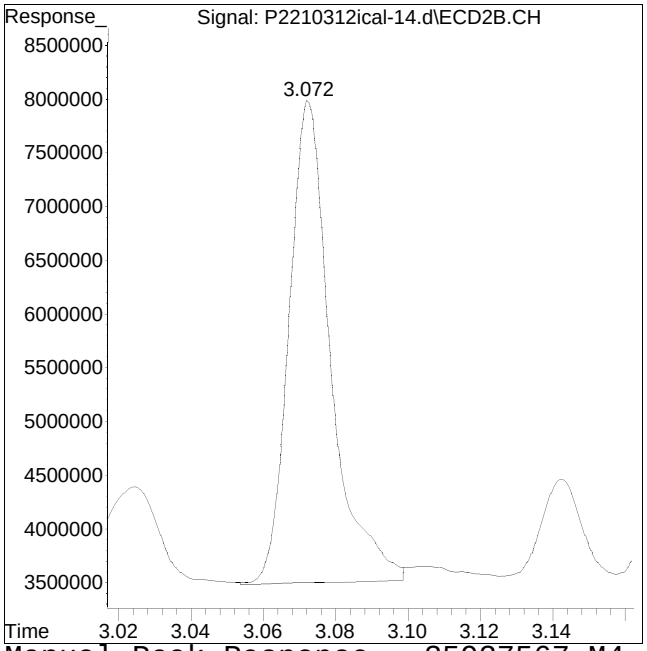
Original Peak Response = 159884377 Manual Peak Response = 118340866 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-14.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : cicv1660,42e,,10255 lvi Quant Date : 3/12/2021 7:23 pm

Compound #60: 1260-1 #2



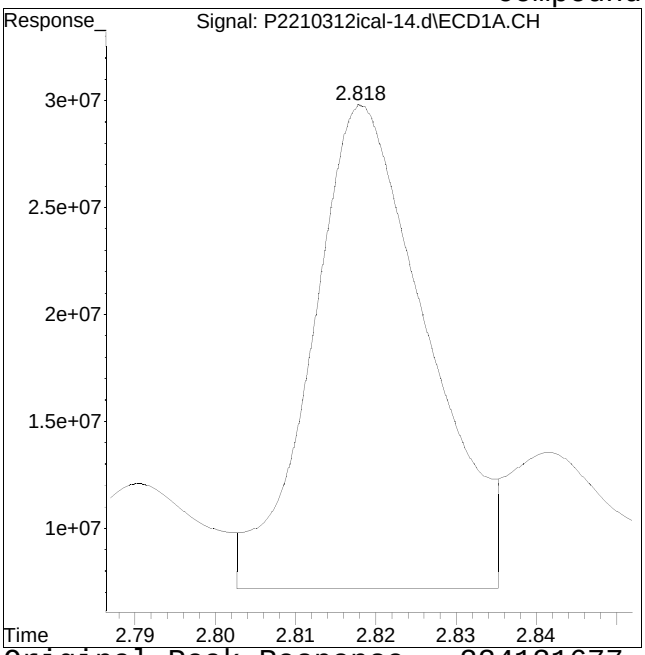


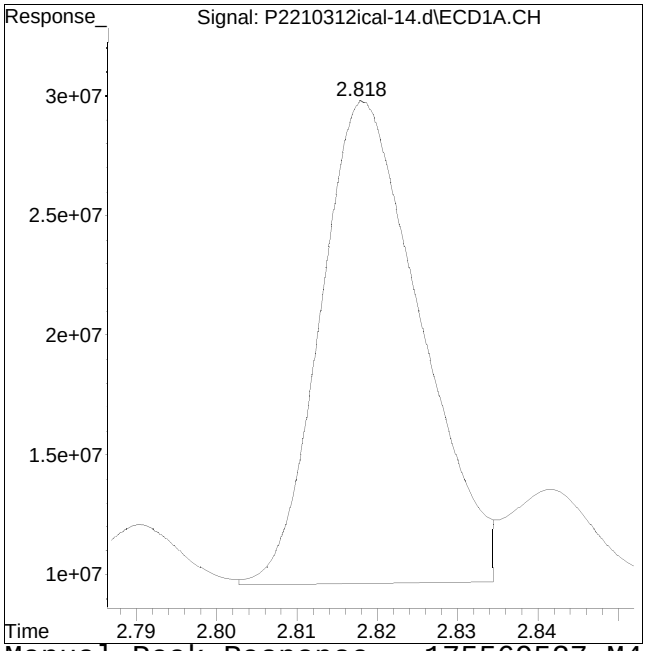
Original Peak Response = 54882017 Manual Peak Response = 35937567 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-14.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : cicv1660,42e,,10255 lvi Quant Date : 3/12/2021 7:23 pm

Compound #10: 1260-2



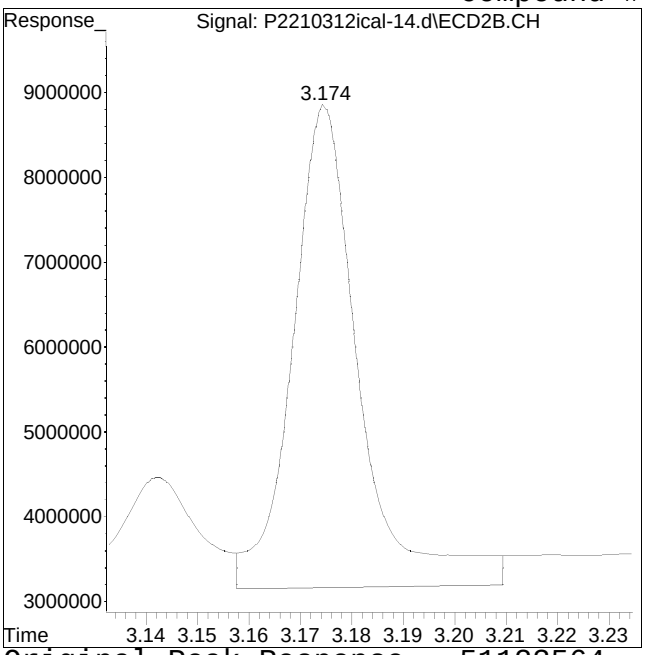


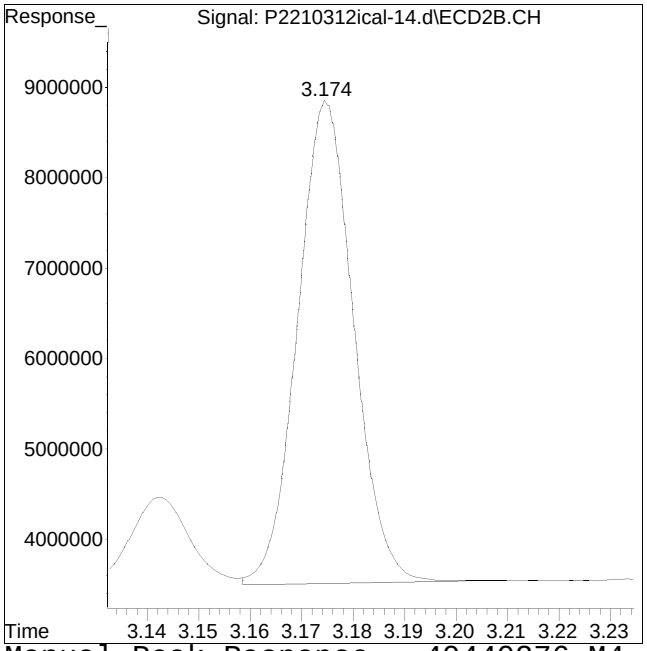
Original Peak Response = 224131677 Manual Peak Response = 175569527 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-14.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : cicv1660,42e,,10255 lvi Quant Date : 3/12/2021 7:23 pm

Compound #61: 1260-2 #2



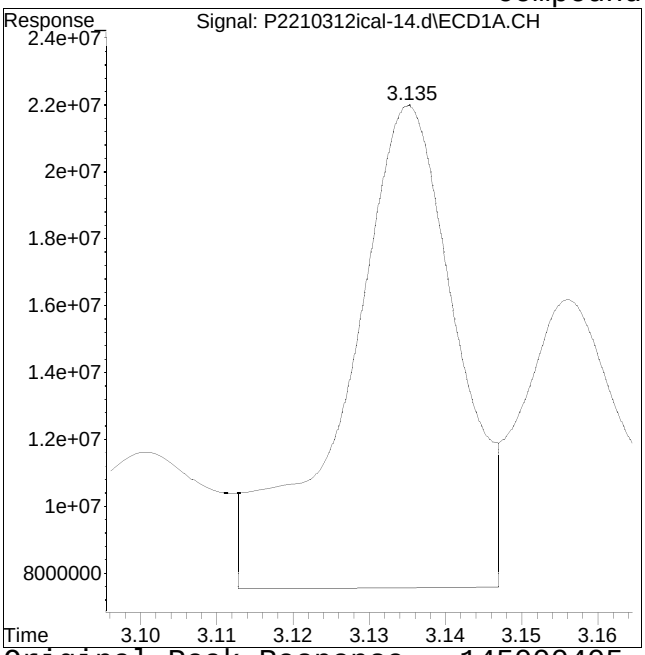


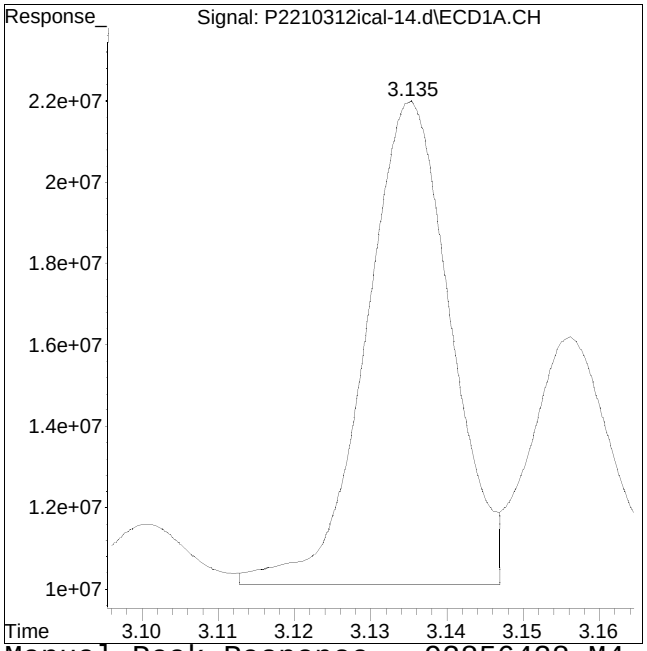
Original Peak Response = 51123564 Manual Peak Response = 40440276 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-14.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : cicv1660,42e,,10255 lvi Quant Date : 3/12/2021 7:23 pm

Compound #11: 1260-3



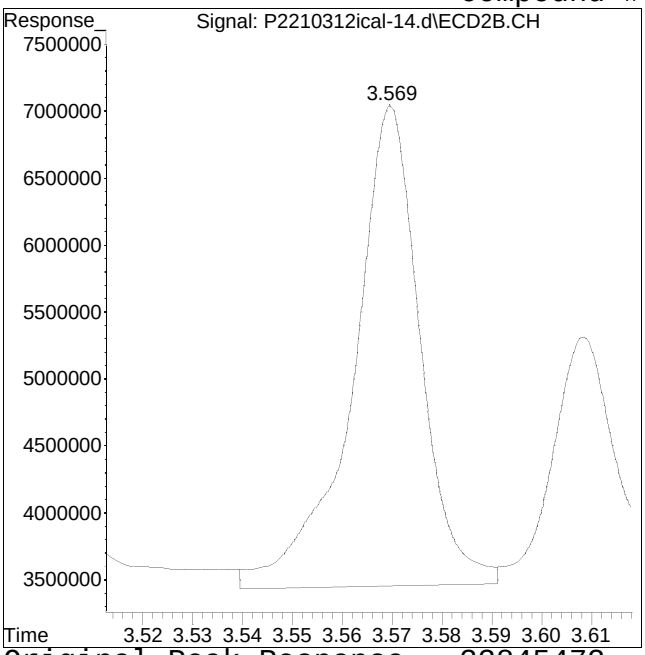


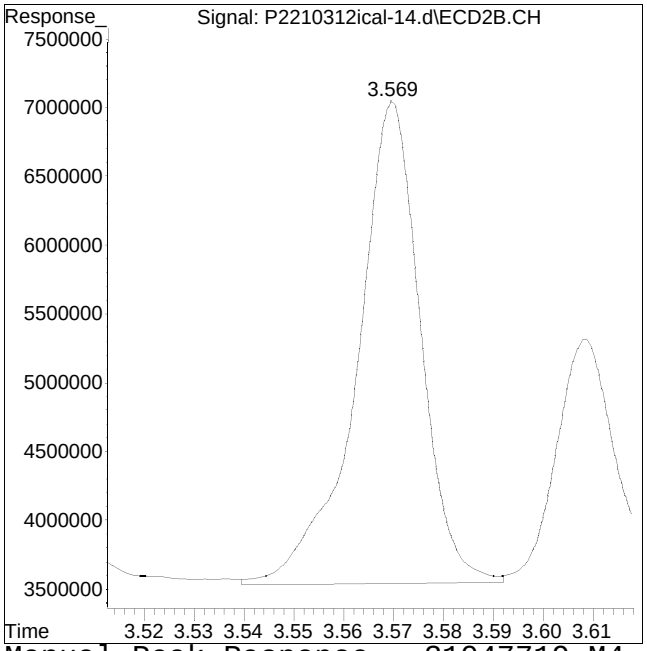
Original Peak Response = 145000405 Manual Peak Response = 92856428 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-14.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : cicv1660,42e,,10255 lvi Quant Date : 3/12/2021 7:23 pm

Compound #62: 1260-3 #2



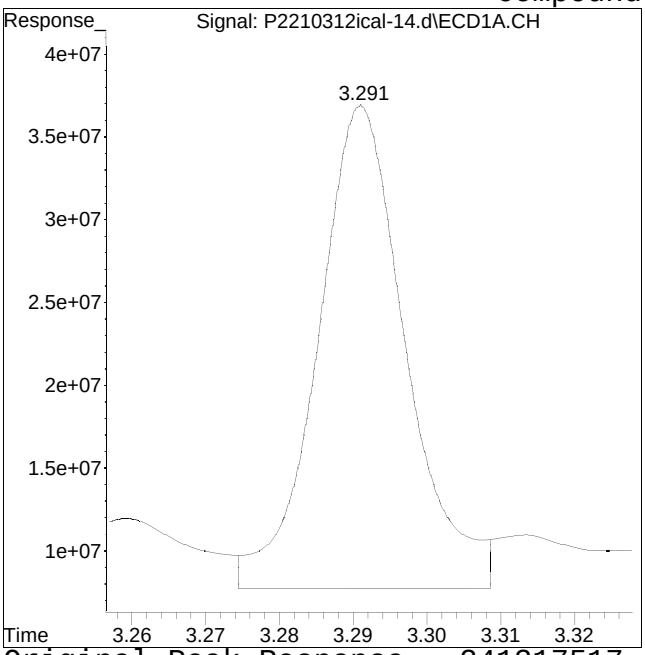


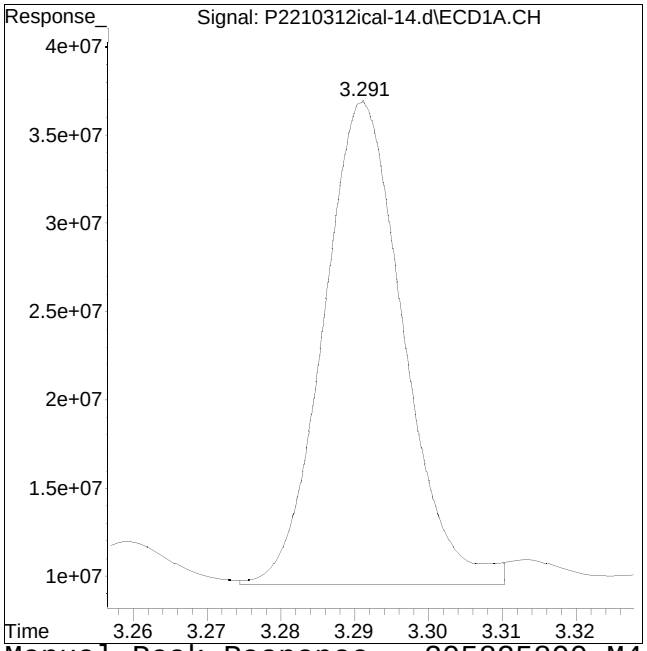
Original Peak Response = 33845472 Manual Peak Response = 31047719 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-14.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : cicv1660,42e,,10255 lvi Quant Date : 3/12/2021 7:23 pm

Compound #12: 1260-4



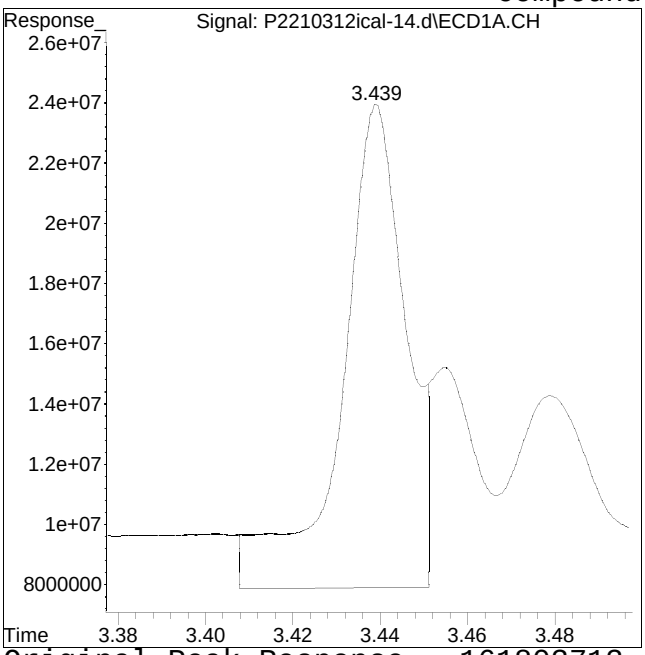


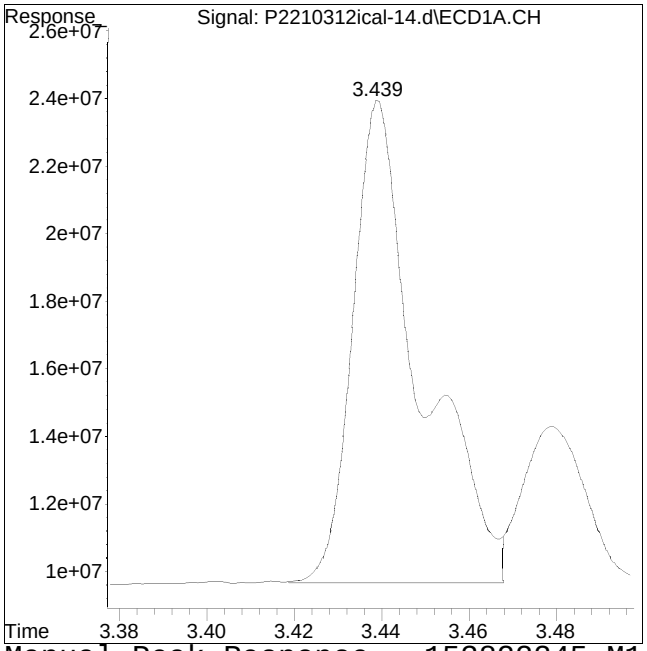
Original Peak Response = 241317517 Manual Peak Response = 205825890 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-14.d Operator : pest2:kb
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : cicv1660,42e,,10255 lvi Quant Date : 3/12/2021 7:23 pm

Compound #13: 1260-5





Original Peak Response = 161803713 Manual Peak Response = 153822245 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:05 pm
Operator : pest2:kb
Sample   : cicv4268,42e,,10257 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:37 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:30 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	1.000	1.000	0.0	123	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	1.211	1.148	5.2	100	0.00
3	s	Decachlorobiphenyl	1.078	1.602	-48.6#	159#	0.00
14	i	2154_1br2nb	1.000	1.000	0.0	93	0.00
23	i	4268_1br2nb	1.000	1.000	0.0	104	0.00
24	l6	1242-1	0.017	0.017	0.0	107	0.00
25	l6	1242-2	0.034	0.038	-11.8	114	0.00
26	l6	1242-3	0.079	0.080	-1.3	106	0.00
27	l6	1242-4	0.032	0.035	-9.4	114	0.00
28	l6	1242-5	0.027	0.025	7.4	99	0.00
29	l9	1268-1	0.186	0.173	7.0	96	0.00
30	l9	1268-2	0.176	0.156	11.4	92	0.00
31	l9	1268-3	0.131	0.133	-1.5	106	0.00
32	l9	1268-4	0.063	0.058	7.9	97	0.00
33	l9	1268-5	0.400	0.395	1.3	103	0.00
34	i	1248_1br2nb	1.000	1.000	0.0	90	0.00
40	i	3262_1br2nb	1.000	1.000	0.0	94	0.00

Signal #2

1	i	1660_1br2nb	1.000	1.000	0.0	93	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	1.129	1.150	-1.9	95	0.00
3	s	Decachlorobiphenyl	0.945	1.443	-52.7#	155#	0.00
14	i	2154_1br2nb	1.000	1.000	0.0	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:05 pm
Operator : pest2:kb
Sample   : cicv4268,42e,,10257 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:37 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:30 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	1.000	1.000	0.0	94	0.00
24	l6	1242-1	0.016	0.017	-6.3	99	0.00
25	l6	1242-2	0.037	0.038	-2.7	98	0.00
26	l6	1242-3	0.074	0.079	-6.8	100	0.00
27	l6	1242-4	0.030	0.031	-3.3	98	0.00
28	l6	1242-5	0.027	0.027	0.0	96	0.00
29	l9	1268-1	0.166	0.168	-1.2	96	0.00
30	l9	1268-2	0.158	0.150	5.1	90	0.00
31	l9	1268-3	0.117	0.127	-8.5	102	0.00
32	l9	1268-4	0.052	0.052	0.0	94	0.00
33	l9	1268-5	0.335	0.362	-8.1	102	0.00
34	i	1248_1br2nb	1.000	1.000	0.0	85	0.00
40	i	3262_1br2nb	1.000	1.000	0.0	94	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	125.320	0.000 E3	100.0#	0#	-1.58#
5	l1	1016-2	270.304	0.000 E3	100.0#	0#	-1.73#
6	l1	1016-3	561.831	0.000 E3	100.0#	0#	-1.92#
7	l1	1016-4	223.528	0.000 E3	100.0#	0#	-1.97#
8	l1	1016-5	247.341	0.000 E3	100.0#	0#	-2.14#
9	l2	1260-1	368.460	0.000 E3	100.0#	0#	-2.69#
10	l2	1260-2	558.915	0.000 E3	100.0#	0#	-2.82#
11	l2	1260-3	342.821	0.000 E3	100.0#	0#	-3.13#
12	l2	1260-4	0.797	0.000 E6	100.0#	0#	-3.29#
13	l2	1260-5	594.058	0.000 E3	100.0#	0#	-3.44#
15	l3	1221-2	0.00155	0.00000	100.0#	0#	-1.50#
16	l3	1221-3	0.00095	0.00000	100.0#	0#	-1.56#
17	l3	1221-4	0.00384	0.00000	100.0#	0#	-1.58#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:05 pm
Operator : pest2:kb
Sample   : cicv4268,42e,,10257 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:37 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:30 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
18	l4	1254-1	0.00508	0.00000		100.0#	0#	-2.31#
19	l4	1254-2	0.00921	0.00000		100.0#	0#	-2.42#
20	l4	1254-3	0.00953	0.00000		100.0#	0#	-2.60#
21	l4	1254-4	0.00735	0.00000		100.0#	0#	-2.73#
22	l4	1254-5	0.010	0.000		100.0#	0#	-2.96#
35	l7	1248-1	0.00725	0.00000		100.0#	0#	-1.92#
36	l7	1248-2	0.00832	0.00000		100.0#	0#	-2.05#
37	l7	1248-3	0.00752	0.00000		100.0#	0#	-2.14#
38	l7	1248-4	0.00645	0.00000		100.0#	0#	-2.33#
39	l7	1248-5	0.00554	0.00000		100.0#	0#	-2.34#
41	l5	1232-1	0.00289	0.00000		100.0#	0#	-1.58#
42	l5	1232-2	0.00262	0.00000		100.0#	0#	-1.73#
43	l5	1232-3	0.00584	0.00000		100.0#	0#	-1.92#
44	l5	1232-4	0.00269	0.00000		100.0#	0#	-1.97#
45	l5	1232-5	0.00163	0.00000		100.0#	0#	-2.33#
46	l8	1262-1	0.00844	0.00000		100.0#	0#	-2.82#
47	l8	1262-2	0.011	0.000		100.0#	0#	-3.01#
48	l8	1262-3	0.00908	0.00000		100.0#	0#	-3.13#
49	l8	1262-4	0.019	0.000		100.0#	0#	-3.29#
50	l8	1262-5	0.00643	0.00000		100.0#	0#	-3.77#
Signal #2								
4	l1	1016-1	48.109	0.000	E3	100.0#	0#	-1.81#
5	l1	1016-2	102.983	0.000	E3	100.0#	0#	-1.98#
6	l1	1016-3	216.090	0.000	E3	100.0#	0#	-2.19#
7	l1	1016-4	86.760	0.000	E3	100.0#	0#	-2.25#
8	l1	1016-5	72.326	0.000	E3	100.0#	0#	-2.46#
9	l2	1260-1	142.152	0.000	E3	100.0#	0#	-3.07#
10	l2	1260-2	167.319	0.000	E3	100.0#	0#	-3.17#
11	l2	1260-3	146.921	0.000	E3	100.0#	0#	-3.57#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:05 pm
Operator : pest2:kb
Sample   : cicv4268,42e,,10257 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:37 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:30 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
12 l2	1260-4	282.321	0.000 E3	100.0#	0#	-3.70#
13 l2	1260-5	205.255	0.000 E3	100.0#	0#	-3.90#
15 l3	1221-2	26.137	0.000 E3	100.0#	0#	-1.72#
16 l3	1221-3	16.990	0.000 E3	100.0#	0#	-1.78#
17 l3	1221-4	64.549	0.000 E3	100.0#	0#	-1.81#
18 l4	1254-1	95.202	0.000 E3	100.0#	0#	-2.66#
19 l4	1254-2	121.792	0.000 E3	100.0#	0#	-2.74#
20 l4	1254-3	171.687	0.000 E3	100.0#	0#	-2.98#
21 l4	1254-4	121.057	0.000 E3	100.0#	0#	-3.09#
22 l4	1254-5	161.577	0.000 E3	100.0#	0#	-3.37#
35 l7	1248-1	116.485	0.000 E3	100.0#	0#	-2.18#
36 l7	1248-2	77.151	0.000 E3	100.0#	0#	-2.33#
37 l7	1248-3	95.119	0.000 E3	100.0#	0#	-2.46#
38 l7	1248-4	109.157	0.000 E3	100.0#	0#	-2.64#
39 l7	1248-5	122.434	0.000 E3	100.0#	0#	-2.66#
41 l5	1232-1	50.322	0.000 E3	100.0#	0#	-1.81#
42 l5	1232-2	55.844	0.000 E3	100.0#	0#	-1.98#
43 l5	1232-3	95.723	0.000 E3	100.0#	0#	-2.19#
44 l5	1232-4	38.242	0.000 E3	100.0#	0#	-2.25#
45 l5	1232-5	31.522	0.000 E3	100.0#	0#	-2.64#
46 l8	1262-1	124.229	0.000 E3	100.0#	0#	-3.17#
47 l8	1262-2	161.582	0.000 E3	100.0#	0#	-3.41#
48 l8	1262-3	157.891	0.000 E3	100.0#	0#	-3.57#
49 l8	1262-4	295.476	0.000 E3	100.0#	0#	-3.70#
50 l8	1262-5	104.882	0.000 E3	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:05 pm
Operator : pest2:kb
Sample : cicv4268,42e,,10257 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:37 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:30 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.153	1.223	174.3E6	52241665	25.000	25.000
14) i	2154_1br2nb	1.153	1.223	174.3E6	52241665	25.000	25.000
23) i	4268_1br2nb	1.153	1.223	174.3E6	52241665	25.000	25.000
34) i	1248_1br2nb	1.153	1.223	174.3E6	52241665	25.000	25.000
40) i	3262_1br2nb	1.153	1.223	174.3E6	52241665	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.442	1.605	128.0E6	38434521	15.164	16.294
Spiked Amount	20.000	Range 30 - 150		Recovery =		75.82%	81.47%
3) s	Decachlorobi	4.023	4.555	357.4E6	96495715	47.561M4	48.870
Spiked Amount	20.000	Range 30 - 150		Recovery =		237.81%#	244.35%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:05 pm
Operator : pest2:kb
Sample : cicv4268,42e,,10257 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:37 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:30 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.583	1.810	29570662	9094382	256.674	264.301
25) l6	1242-2	1.726	1.982	65781198	20097494	274.973	259.885M4
26) l6	1242-3	1.916	2.186	139.4E6	41075253	253.981	264.657
27) l6	1242-4	1.971	2.247	61310590	16119587	272.777	260.145
28) l6	1242-5	2.325	2.636	44102608	14312517	236.836	256.191M4
Sum	1242-1			340.2E6	100.7E6	1295.242	1305.180
Average	1242-1					259.048	261.036
29) l9	1268-1	3.455	3.897	301.0E6	88008820	231.543M4	254.045
30) l9	1268-2	3.476	3.924	271.7E6	78622522	222.100M4	238.230
31) l9	1268-3	3.578	4.066	232.4E6	66160505	254.683M4	271.743
32) l9	1268-4	3.766	4.219	101.6E6	27322128	232.884M4	250.820
33) l9	1268-5	3.920	4.406	688.3E6	189.1E6	247.004M4	270.085
Sum	1268-1			1595.0E6	449.2E6	1188.215	1284.924
Average	1268-1					237.643	256.985
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:05 pm
Operator : pest2:kb
Sample : cicv4268,42e,,10257 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:37 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:30 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

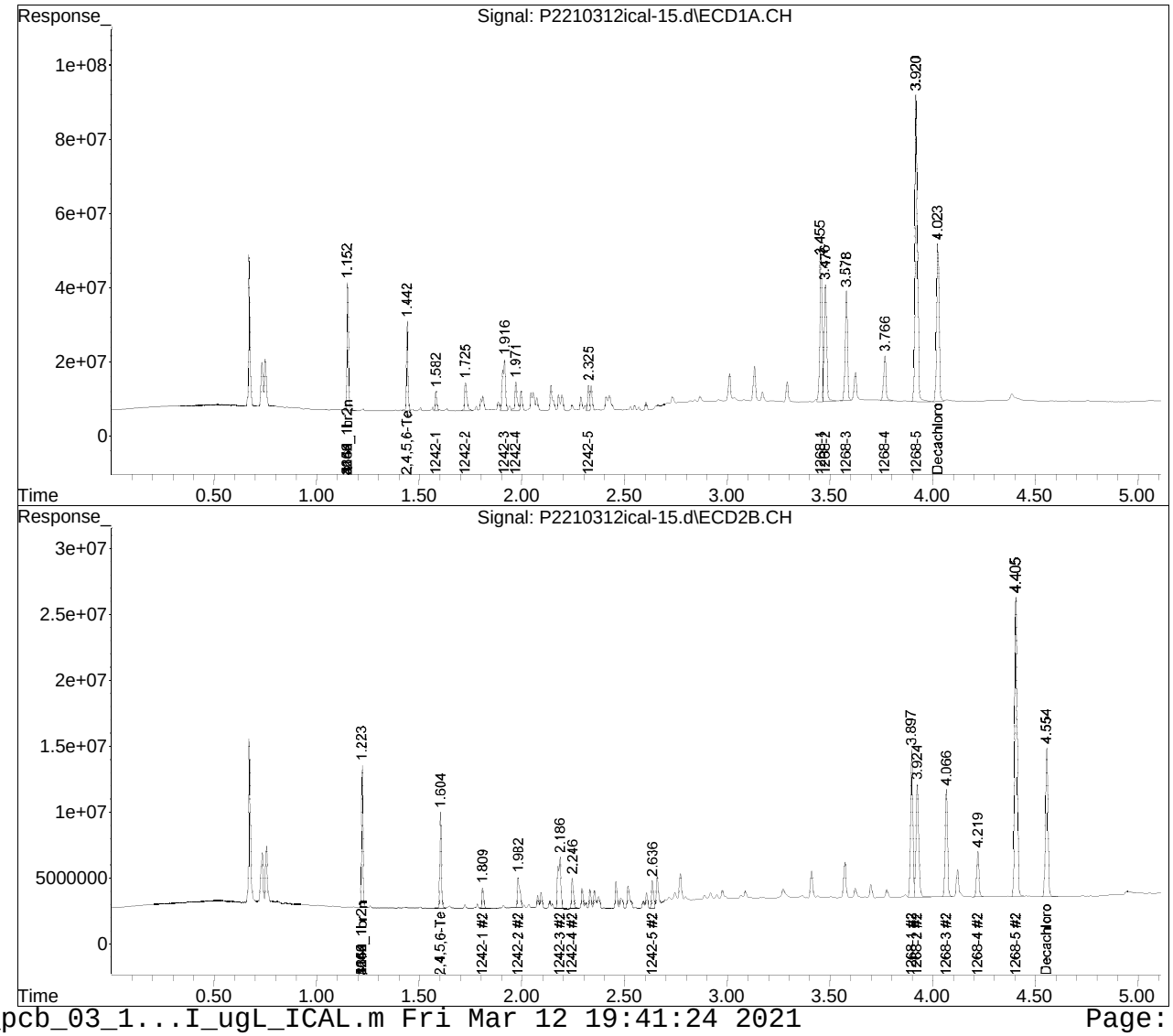
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:05 pm
Operator : pest2:kb
Sample : cicv4268,42e,,10257 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:37 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:30 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

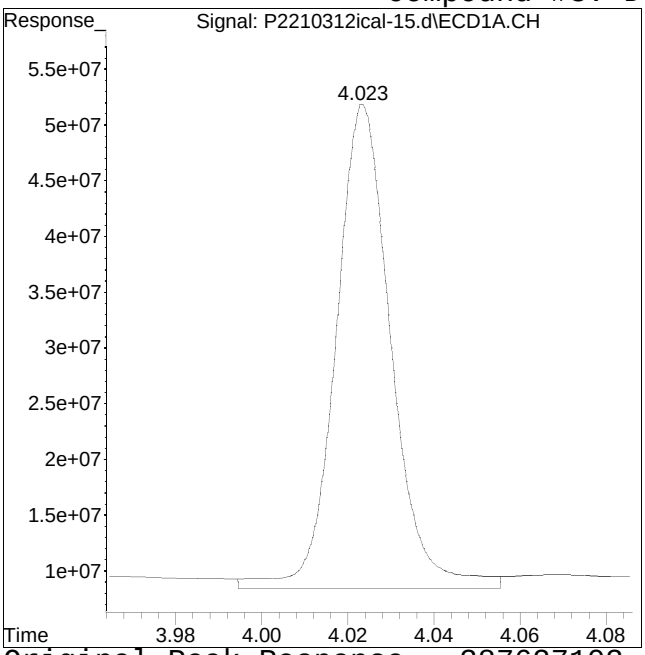
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

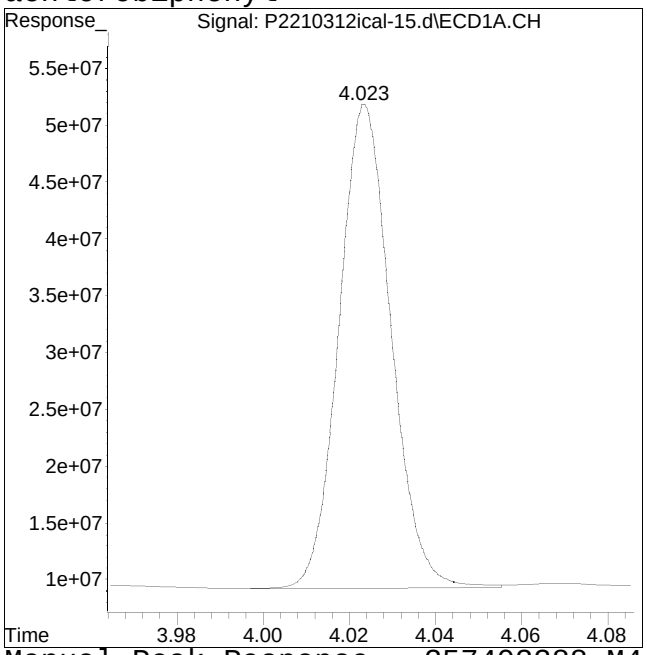


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-15.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : cicv4268,42e,,10257 lvi Quant Date : 3/12/2021 7:23 pm

Compound #3: Decachlorobiphenyl



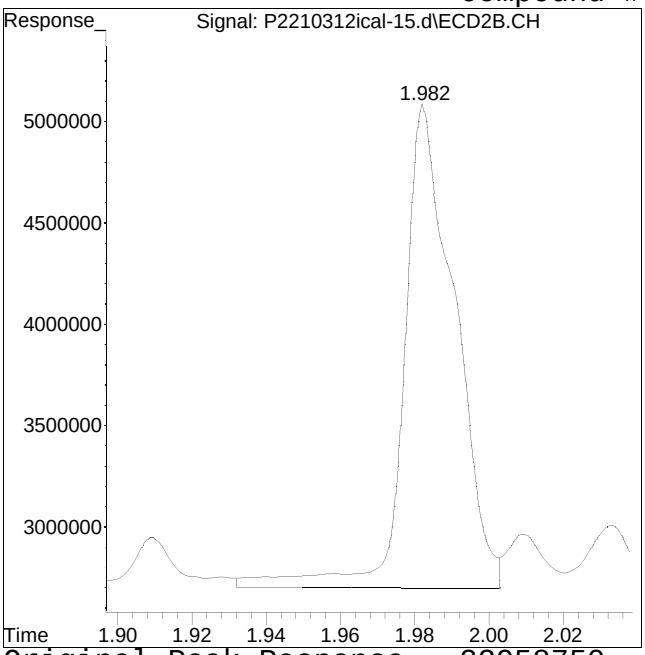


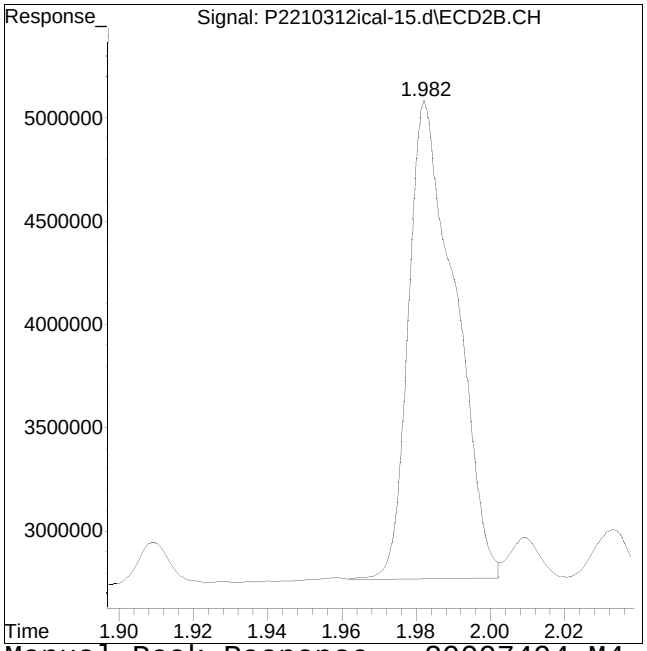
Original Peak Response = 387627103 Manual Peak Response = 357403388 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-15.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : cicv4268,42e,,10257 lvi Quant Date : 3/12/2021 7:23 pm

Compound #76: 1242-2 #2



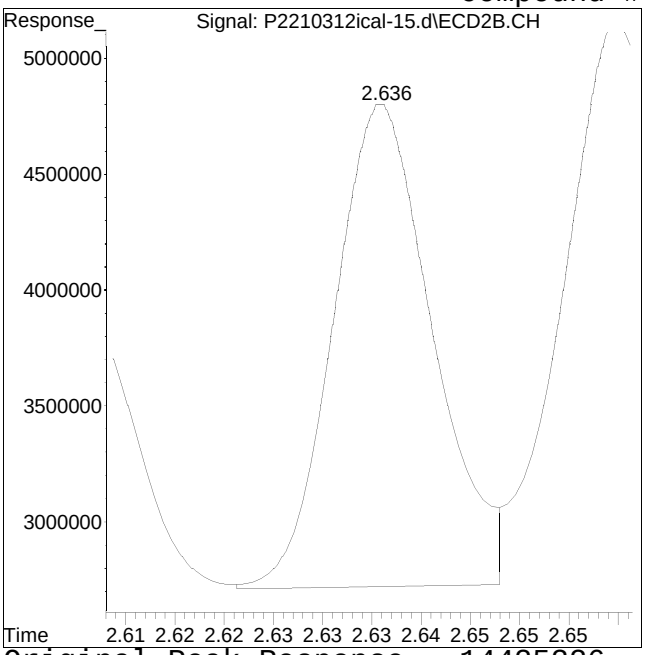


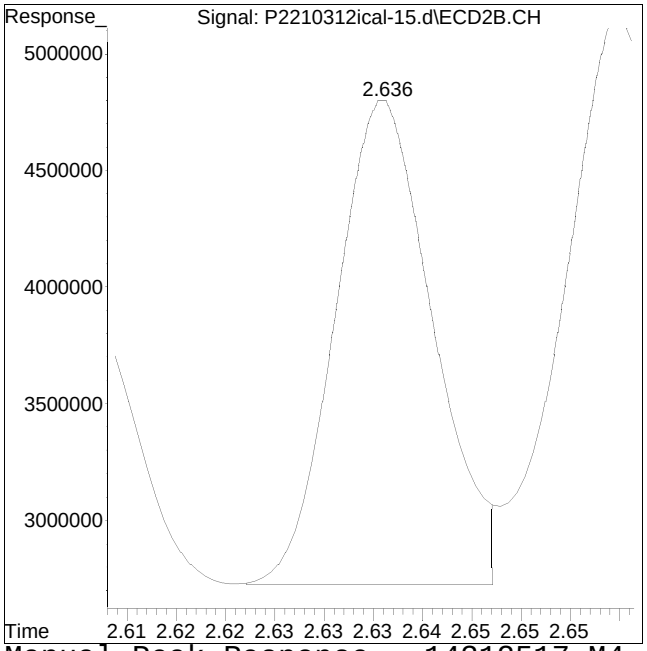
Original Peak Response = 22958750 Manual Peak Response = 20097494 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-15.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : cicv4268,42e,,10257 lvi Quant Date : 3/12/2021 7:23 pm

Compound #79: 1242-5 #2



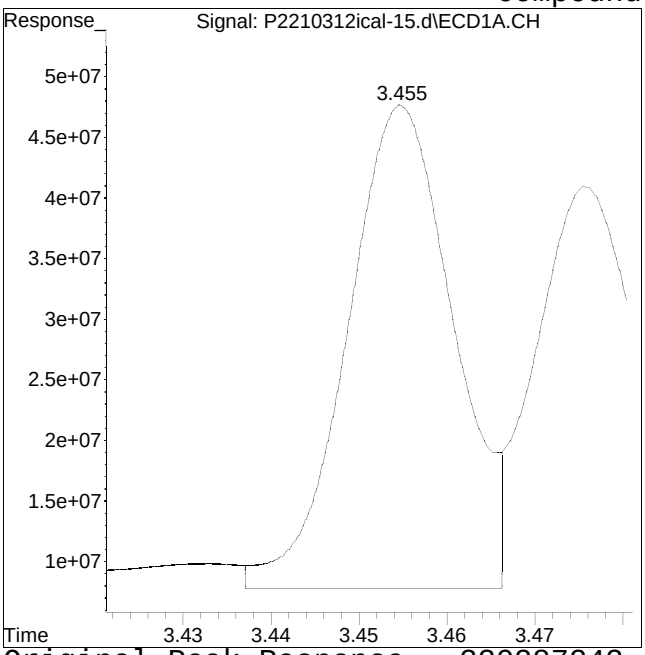


Original Peak Response = 14425226 Manual Peak Response = 14312517 M4
M4 = Poor automated baseline construction.

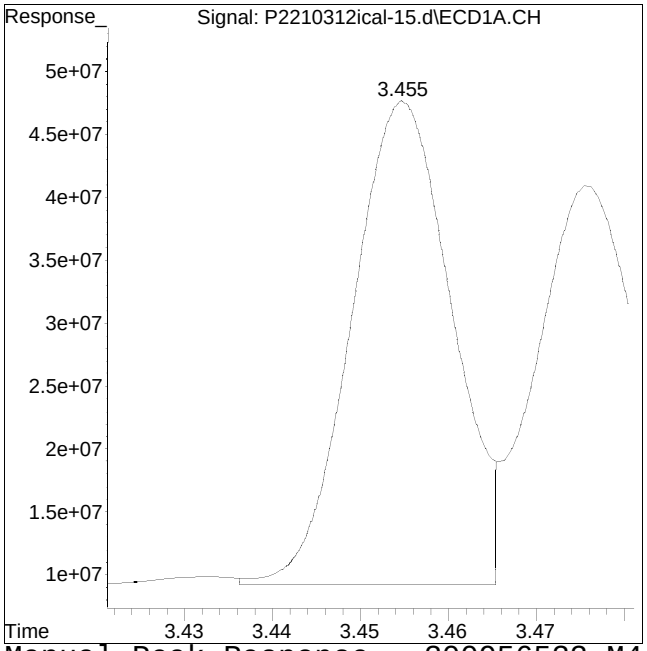
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-15.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : cicv4268,42e,,10257 lvi Quant Date : 3/12/2021 7:23 pm

Compound #29: 1268-1



Original Peak Response = 330287243



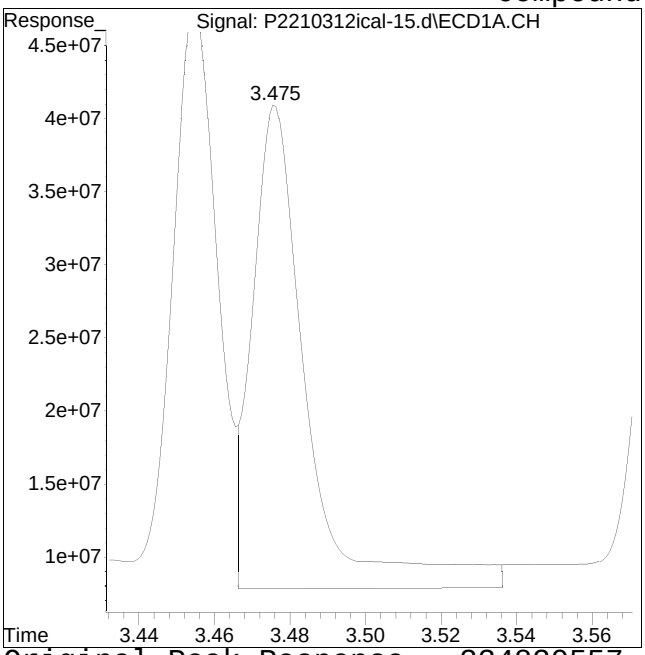
Manual Peak Response = 300956533 M4

M4 = Poor automated baseline construction.

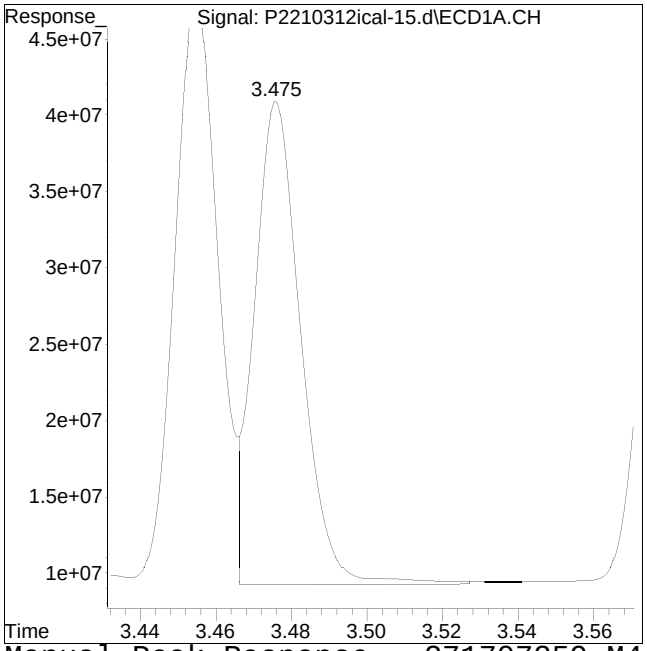
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-15.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : cicv4268,42e,,10257 lvi Quant Date : 3/12/2021 7:23 pm

Compound #30: 1268-2



Original Peak Response = 334830557



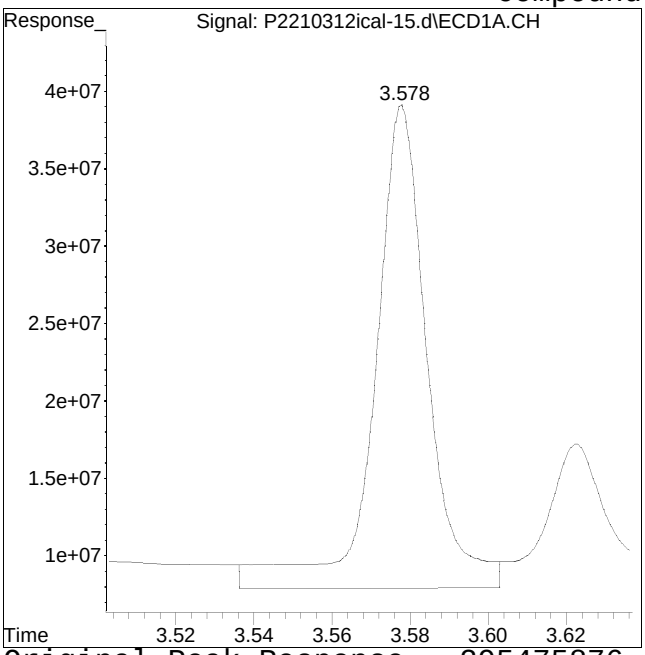
Manual Peak Response = 271707259 M4

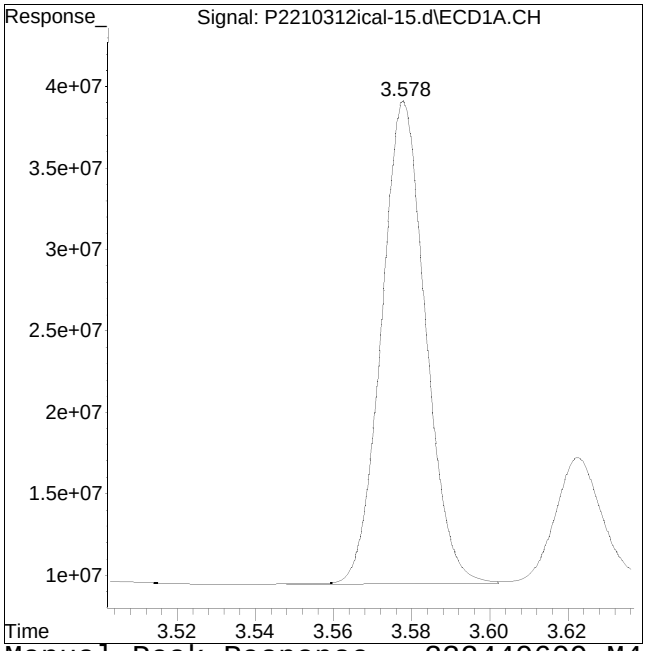
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-15.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : cicv4268,42e,,10257 lvi Quant Date : 3/12/2021 7:23 pm

Compound #31: 1268-3



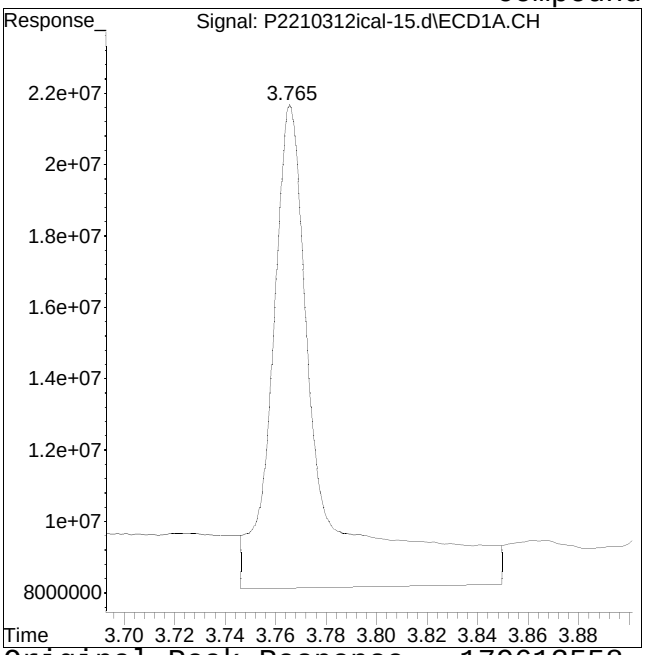


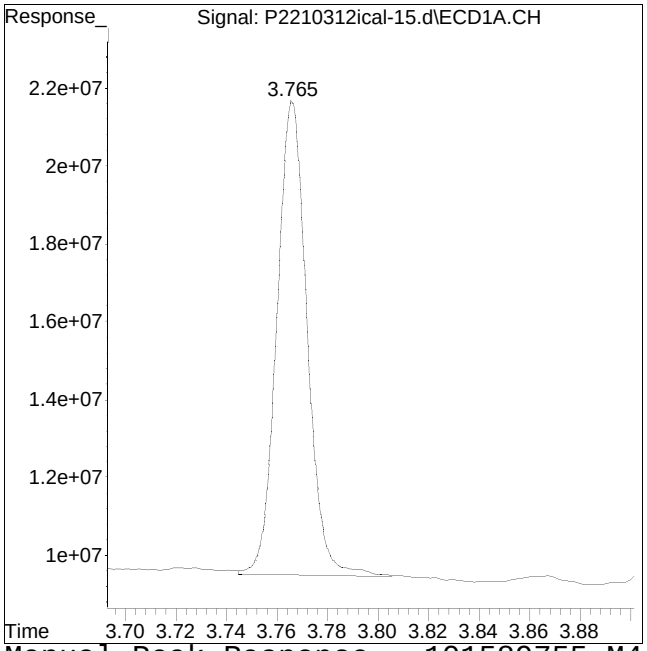
Original Peak Response = 295475876 Manual Peak Response = 232440609 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-15.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : cicv4268,42e,,10257 lvi Quant Date : 3/12/2021 7:23 pm

Compound #32: 1268-4



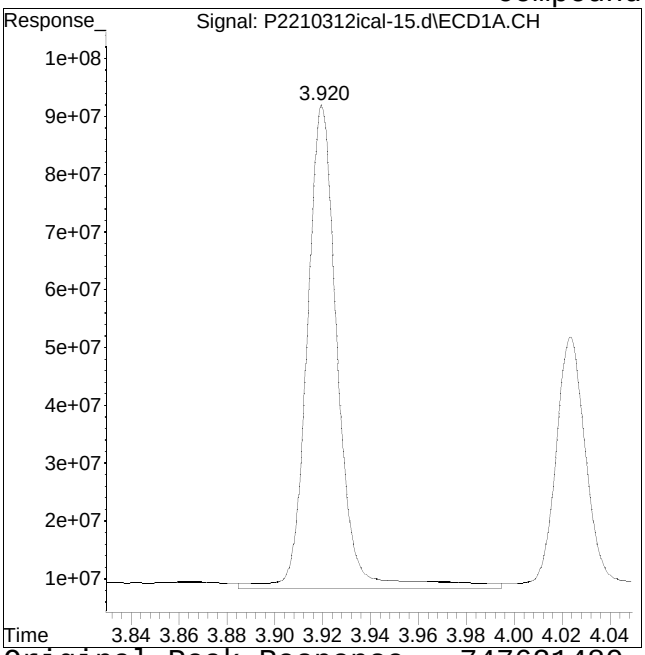


Original Peak Response = 179613558 Manual Peak Response = 101589755 M4
M4 = Poor automated baseline construction.

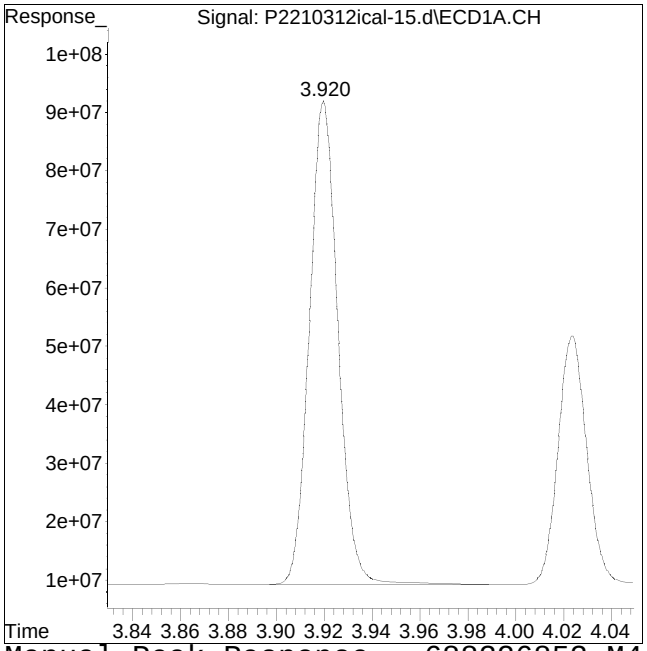
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-15.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : cicv4268,42e,,10257 lvi Quant Date : 3/12/2021 7:23 pm

Compound #33: 1268-5



Original Peak Response = 747621480



Manual Peak Response = 688326853 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:13 pm
Operator : pest2:kb
Sample   : cicv3262,42e,,10258 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:48 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:41 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	1.000	1.000	0.0	135	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	1.211	1.105	8.8	106	0.00
3	s	Decachlorobiphenyl	1.078	0.950	11.9	104	0.00
14	i	2154_1br2nb	1.000	1.000	0.0	102	0.00
23	i	4268_1br2nb	1.000	1.000	0.0	114	0.00
34	i	1248_1br2nb	1.000	1.000	0.0	99	0.00
40	i	3262_1br2nb	1.000	1.000	0.0	103	0.00
41	l5	1232-1	0.022	0.024	-9.1	112	0.00
42	l5	1232-2	0.020	0.021	-5.0	111	0.00
43	l5	1232-3	0.044	0.044	0.0	104	0.00
44	l5	1232-4	0.020	0.020	0.0	103	0.00
45	l5	1232-5	0.012	0.012	0.0	105	0.00
46	l8	1262-1	0.063	0.063	0.0	103	0.00
47	l8	1262-2	0.082	0.080	2.4	99	0.00
48	l8	1262-3	0.068	0.071	-4.4	107	0.00
49	l8	1262-4	0.141	0.143	-1.4	104	0.00
50	l8	1262-5	0.048	0.049	-2.1	104	0.00

Signal #2

1	i	1660_1br2nb	1.000	1.000	0.0	101	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	1.129	1.128	0.1	100	0.00
3	s	Decachlorobiphenyl	0.945	0.873	7.6	101	0.00
14	i	2154_1br2nb	1.000	1.000	0.0	102	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:13 pm
Operator : pest2:kb
Sample   : cicv3262,42e,,10258 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:48 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:41 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	1.000	1.000	0.0	101	0.00
34	i	1248_1br2nb	1.000	1.000	0.0	91	0.00
40	i	3262_1br2nb	1.000	1.000	0.0	101	0.00
41	l5	1232-1	0.023	0.025	-8.7	112	0.00
42	l5	1232-2	0.025	0.024	4.0	95	0.00
43	l5	1232-3	0.043	0.044	-2.3	102	0.00
44	l5	1232-4	0.017	0.017	0.0	102	0.00
45	l5	1232-5	0.014	0.014	0.0	98	0.00
46	l8	1262-1	0.056	0.056	0.0	102	0.00
47	l8	1262-2	0.073	0.079	-8.2	110	0.00
48	l8	1262-3	0.071	0.071	0.0	101	0.00
49	l8	1262-4	0.133	0.134	-0.8	102	0.00
50	l8	1262-5	0.047	0.048	-2.1	102	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	125.320	0.000 E3	100.0#	0#	-1.58#
5	l1	1016-2	270.304	0.000 E3	100.0#	0#	-1.73#
6	l1	1016-3	561.831	0.000 E3	100.0#	0#	-1.92#
7	l1	1016-4	223.528	0.000 E3	100.0#	0#	-1.97#
8	l1	1016-5	247.341	0.000 E3	100.0#	0#	-2.14#
9	l2	1260-1	368.460	0.000 E3	100.0#	0#	-2.69#
10	l2	1260-2	558.915	0.000 E3	100.0#	0#	-2.82#
11	l2	1260-3	342.821	0.000 E3	100.0#	0#	-3.13#
12	l2	1260-4	0.797	0.000 E6	100.0#	0#	-3.29#
13	l2	1260-5	594.058	0.000 E3	100.0#	0#	-3.44#
15	l3	1221-2	0.00155	0.00000	100.0#	0#	-1.50#
16	l3	1221-3	0.00095	0.00000	100.0#	0#	-1.56#
17	l3	1221-4	0.00384	0.00000	100.0#	0#	-1.58#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:13 pm
Operator : pest2:kb
Sample   : cicv3262,42e,,10258 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:48 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:41 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
18 l4	1254-1	0.00508	0.00000		100.0#	0#	-2.31#
19 l4	1254-2	0.00921	0.00000		100.0#	0#	-2.42#
20 l4	1254-3	0.00953	0.00000		100.0#	0#	-2.60#
21 l4	1254-4	0.00735	0.00000		100.0#	0#	-2.73#
22 l4	1254-5	0.010	0.000		100.0#	0#	-2.96#
24 l6	1242-1	0.00199	0.00000		100.0#	0#	-1.58#
25 l6	1242-2	0.00413	0.00000		100.0#	0#	-1.73#
26 l6	1242-3	0.00948	0.00000		100.0#	0#	-1.92#
27 l6	1242-4	0.00388	0.00000		100.0#	0#	-1.97#
28 l6	1242-5	0.00322	0.00000		100.0#	0#	-2.32#
29 l9	1268-1	0.022	0.000		100.0#	0#	-3.45#
30 l9	1268-2	0.021	0.000		100.0#	0#	-3.48#
31 l9	1268-3	0.016	0.000		100.0#	0#	-3.58#
32 l9	1268-4	0.00754	0.00000		100.0#	0#	-3.77#
33 l9	1268-5	0.048	0.000		100.0#	0#	-3.92#
35 l7	1248-1	0.00725	0.00000		100.0#	0#	-1.92#
36 l7	1248-2	0.00832	0.00000		100.0#	0#	-2.05#
37 l7	1248-3	0.00752	0.00000		100.0#	0#	-2.14#
38 l7	1248-4	0.00645	0.00000		100.0#	0#	-2.33#
39 l7	1248-5	0.00554	0.00000		100.0#	0#	-2.34#

Signal #2

4 l1	1016-1	48.109	0.000	E3	100.0#	0#	-1.81#
5 l1	1016-2	102.983	0.000	E3	100.0#	0#	-1.98#
6 l1	1016-3	216.090	0.000	E3	100.0#	0#	-2.19#
7 l1	1016-4	86.760	0.000	E3	100.0#	0#	-2.25#
8 l1	1016-5	72.326	0.000	E3	100.0#	0#	-2.46#
9 l2	1260-1	142.152	0.000	E3	100.0#	0#	-3.07#
10 l2	1260-2	167.319	0.000	E3	100.0#	0#	-3.17#
11 l2	1260-3	146.921	0.000	E3	100.0#	0#	-3.57#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:13 pm
Operator : pest2:kb
Sample   : cicv3262,42e,,10258 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:48 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:41 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
12 l2	1260-4	282.321	0.000 E3	100.0#	0#	-3.70#
13 l2	1260-5	205.255	0.000 E3	100.0#	0#	-3.90#
15 l3	1221-2	26.137	0.000 E3	100.0#	0#	-1.72#
16 l3	1221-3	16.990	0.000 E3	100.0#	0#	-1.78#
17 l3	1221-4	64.549	0.000 E3	100.0#	0#	-1.81#
18 l4	1254-1	95.202	0.000 E3	100.0#	0#	-2.66#
19 l4	1254-2	121.792	0.000 E3	100.0#	0#	-2.74#
20 l4	1254-3	171.687	0.000 E3	100.0#	0#	-2.98#
21 l4	1254-4	121.057	0.000 E3	100.0#	0#	-3.09#
22 l4	1254-5	161.577	0.000 E3	100.0#	0#	-3.37#
24 l6	1242-1	36.597	0.000 E3	100.0#	0#	-1.81#
25 l6	1242-2	82.248	0.000 E3	100.0#	0#	-1.98#
26 l6	1242-3	165.069	0.000 E3	100.0#	0#	-2.19#
27 l6	1242-4	65.903	0.000 E3	100.0#	0#	-2.25#
28 l6	1242-5	59.418	0.000 E3	100.0#	0#	-2.63#
29 l9	1268-1	368.454	0.000 E3	100.0#	0#	-3.90#
30 l9	1268-2	351.009	0.000 E3	100.0#	0#	-3.92#
31 l9	1268-3	258.945	0.000 E3	100.0#	0#	-4.07#
32 l9	1268-4	115.856	0.000 E3	100.0#	0#	-4.22#
33 l9	1268-5	744.641	0.000 E3	100.0#	0#	-4.41#
35 l7	1248-1	116.485	0.000 E3	100.0#	0#	-2.18#
36 l7	1248-2	77.151	0.000 E3	100.0#	0#	-2.33#
37 l7	1248-3	95.119	0.000 E3	100.0#	0#	-2.46#
38 l7	1248-4	109.157	0.000 E3	100.0#	0#	-2.64#
39 l7	1248-5	122.434	0.000 E3	100.0#	0#	-2.66#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:13 pm
Operator : pest2:kb
Sample : cicv3262,42e,,10258 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:48 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:41 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.152	1.223	191.4E6	56343676	25.000	25.000
14) i	2154_1br2nb	1.152	1.223	191.4E6	56343676	25.000	25.000
23) i	4268_1br2nb	1.152	1.223	191.4E6	56343676	25.000	25.000
34) i	1248_1br2nb	1.152	1.223	191.4E6	56343676	25.000	25.000
40) i	3262_1br2nb	1.152	1.223	191.4E6	56343676	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.441	1.605	135.3E6	40688764	14.597M4	15.993
	Spiked Amount 20.000	Range 30 - 150		Recovery =		72.98%	79.97%
3) s	Decachlorobi	4.023	4.555	232.8E6	62991551	28.201M4	29.580
	Spiked Amount 20.000	Range 30 - 150		Recovery =		141.01%	147.90%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:13 pm
Operator : pest2:kb
Sample : cicv3262,42e,,10258 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:48 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:41 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:13 pm
Operator : pest2:kb
Sample : cicv3262,42e,,10258 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:48 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:41 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	1.582	1.810	45093294	14104090	272.422M4	276.768
42) l5	1232-2	1.726	1.982	40258335	13260115	268.307	234.476M4
43) l5	1232-3	1.915	2.186	84377166	24510690	252.246	252.850
44) l5	1232-4	1.971	2.247	38386617	9798884	248.965	253.021
45) l5	1232-5	2.325	2.636	23801772	7684340	254.643	240.720
Sum	1232-1			231.9E6	69358120	1296.583	1257.835
Average	1232-1					259.317	251.567
46) l8	1262-1	2.817	3.175	121.5E6	31812488	251.115M4	252.872
47) l8	1262-2	3.010	3.410	152.3E6	44531217	241.540M4	272.143
48) l8	1262-3	3.134	3.570	135.4E6	39985209	260.313M4	250.074
49) l8	1262-4	3.290	3.700	272.8E6	75678671	253.054M4	252.916
50) l8	1262-5	3.765	4.219	92871523	26795001	252.043M4	252.276
Sum	1262-1			774.9E6	218.8E6	1258.065	1280.280
Average	1262-1					251.613	256.056

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			774.9E6	218.8E6	1258.065	1280.280
Average	1262-1					251.613	256.056

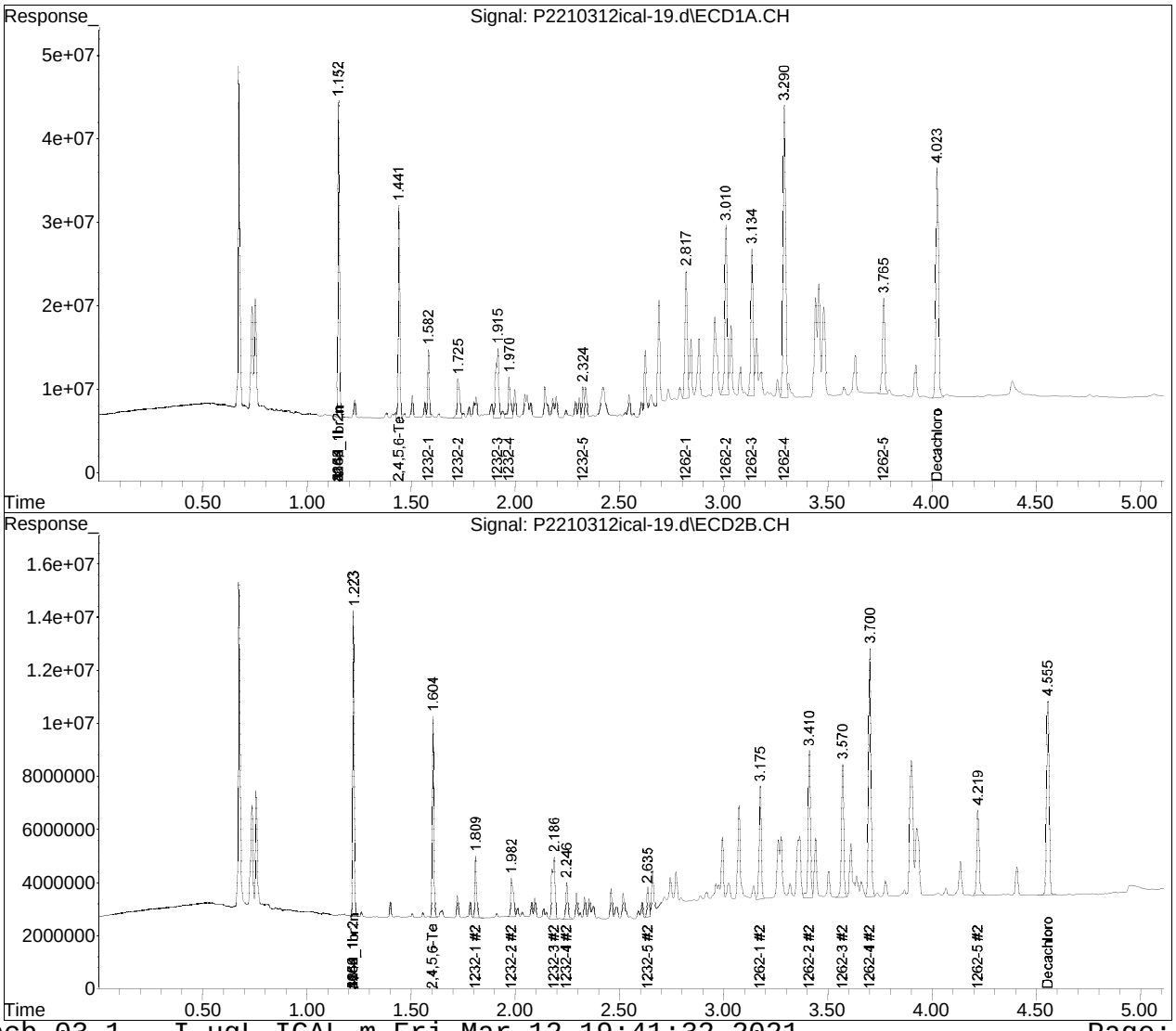
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:13 pm
Operator : pest2:kb
Sample : cicv3262,42e,,10258 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:48 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:41 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

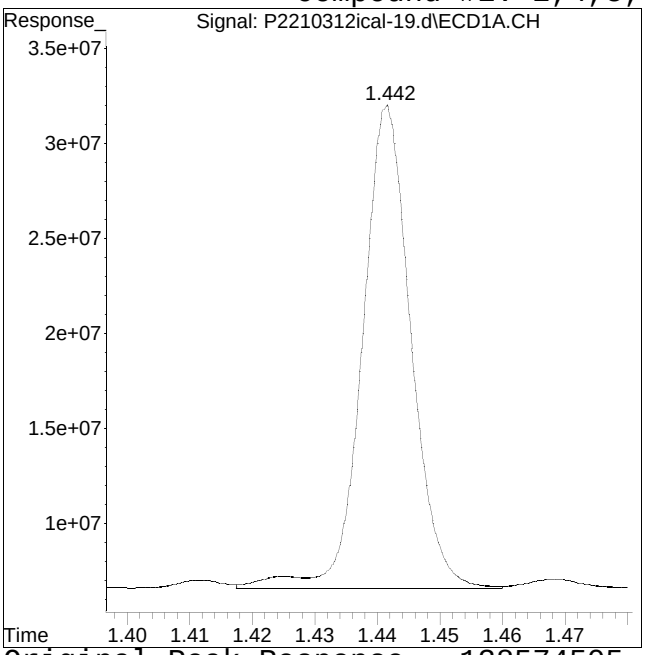
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

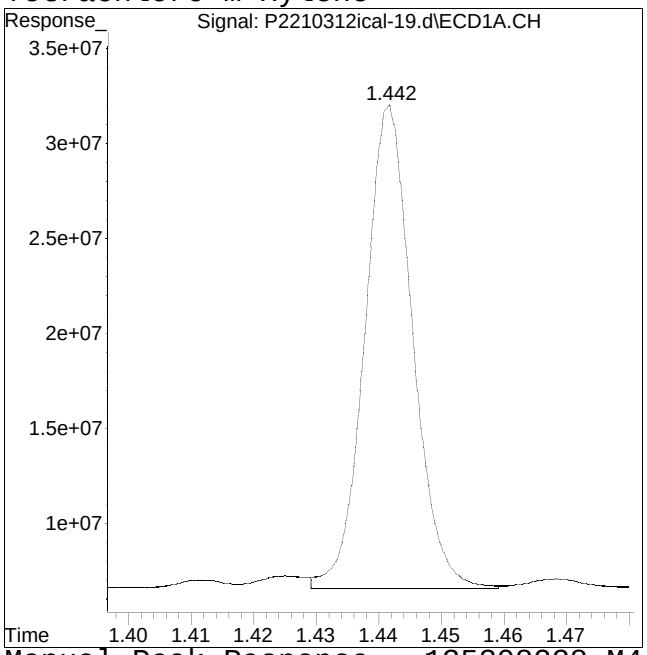


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-19.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:13 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 3/12/2021 7:23 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



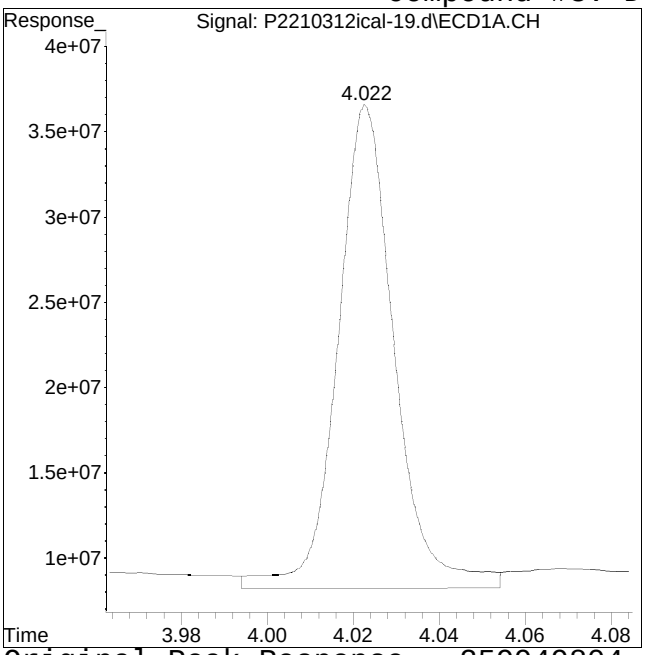


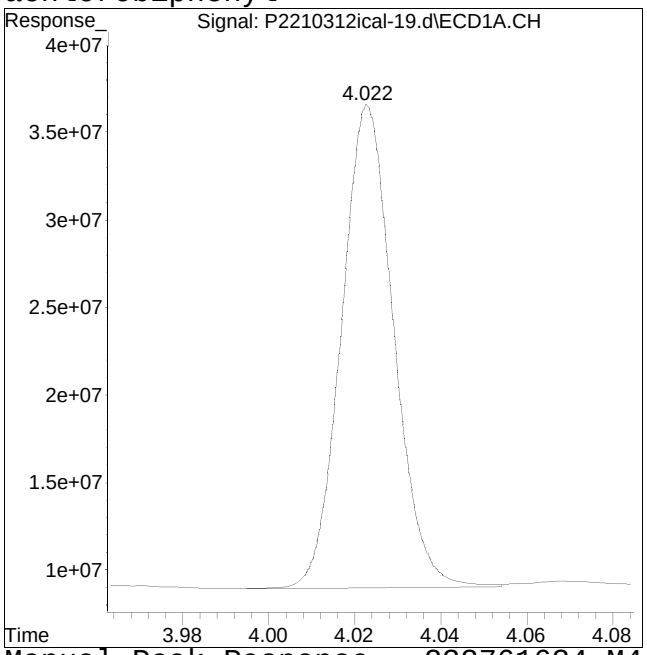
Original Peak Response = 138574505 Manual Peak Response = 135308228 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-19.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:13 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 3/12/2021 7:23 pm

Compound #3: Decachlorobiphenyl



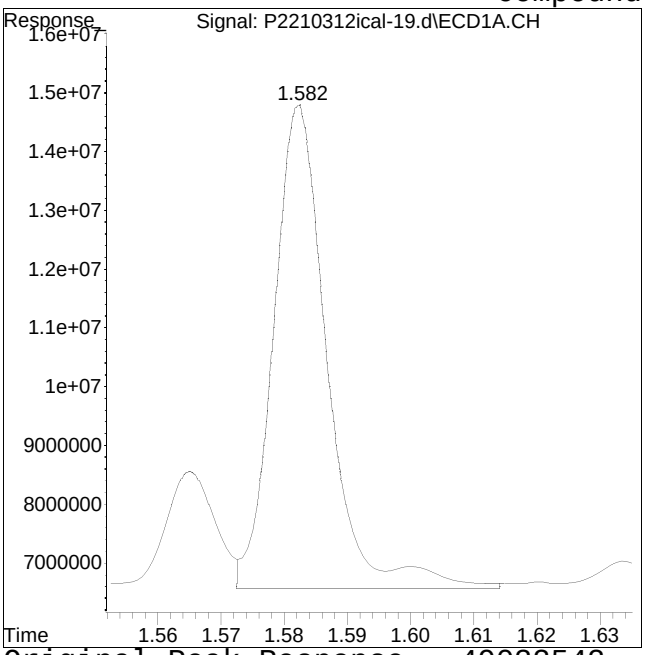


Original Peak Response = 259949804 Manual Peak Response = 232761634 M4
M4 = Poor automated baseline construction.

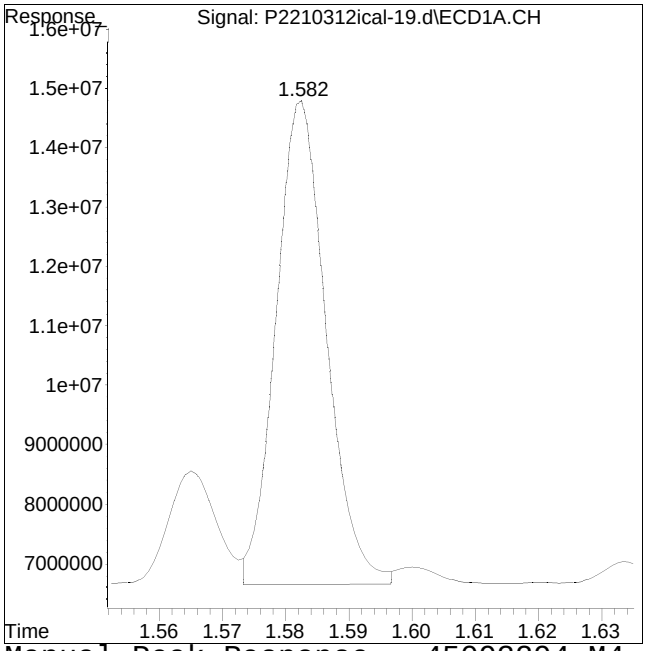
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-19.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:13 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 3/12/2021 7:23 pm

Compound #41: 1232-1



Original Peak Response = 49032542



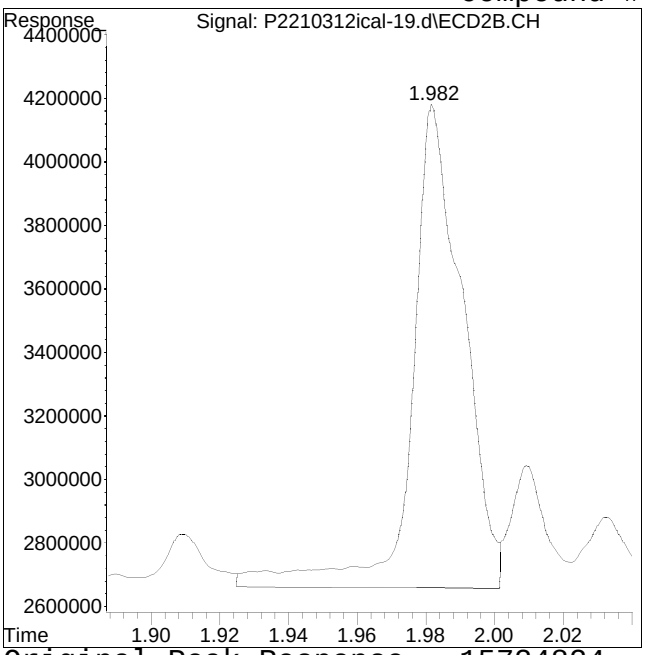
Manual Peak Response = 45093294 M4

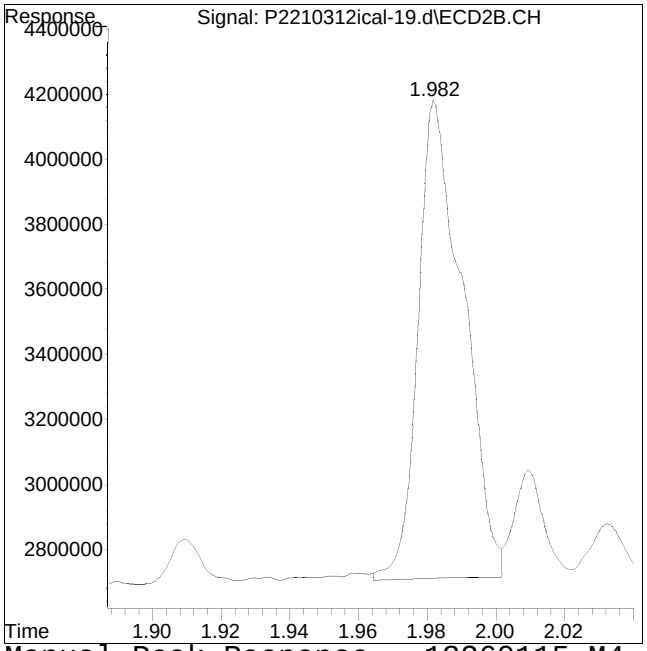
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-19.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:13 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 3/12/2021 7:23 pm

Compound #93: 1232-2 #2



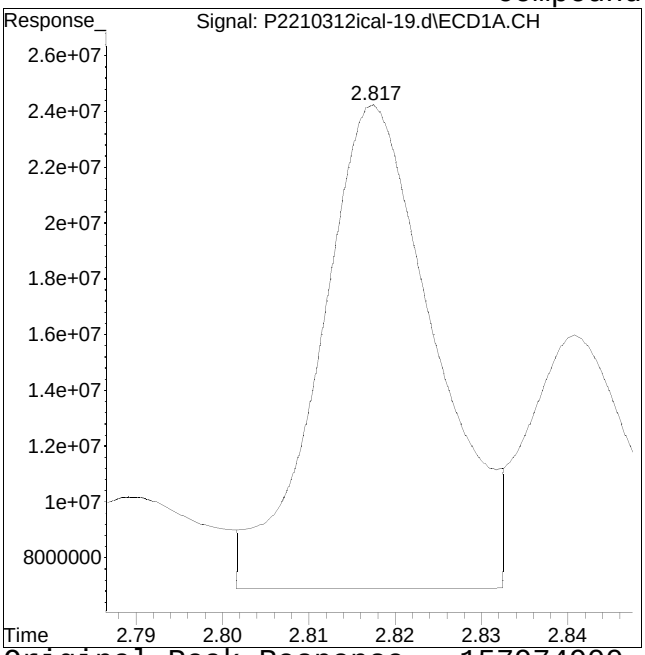


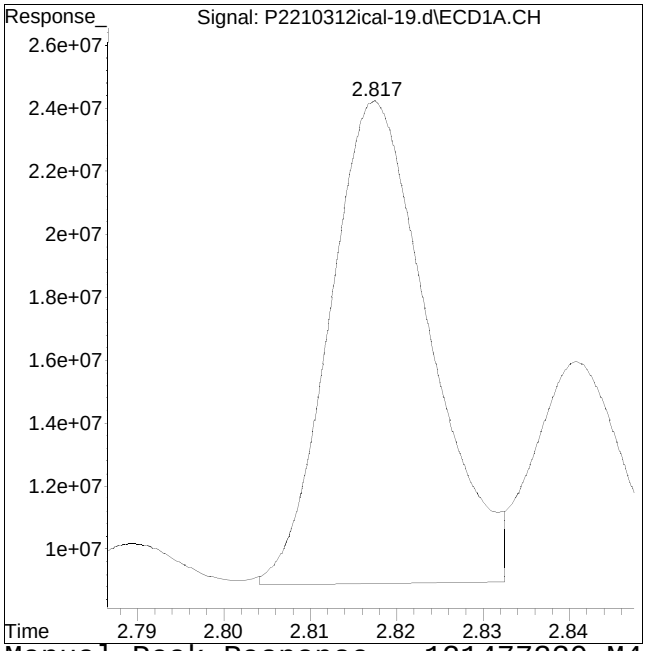
Original Peak Response = 15724824 Manual Peak Response = 13260115 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-19.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:13 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 3/12/2021 7:23 pm

Compound #46: 1262-1



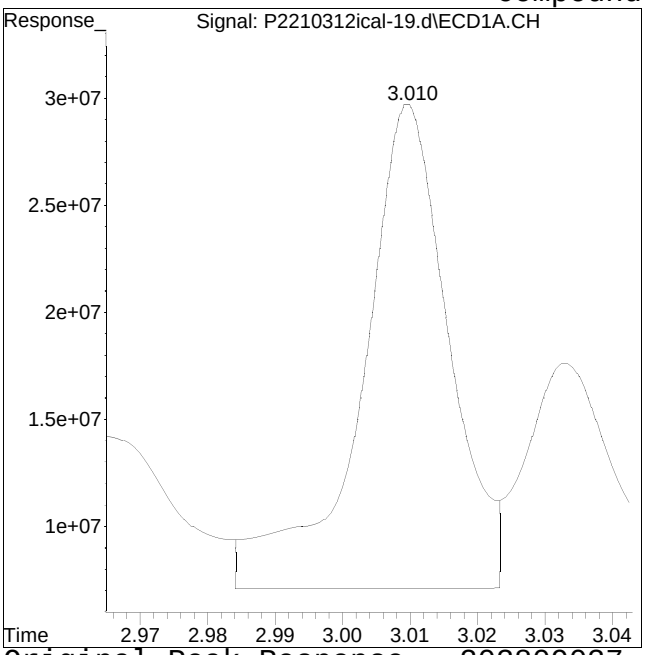


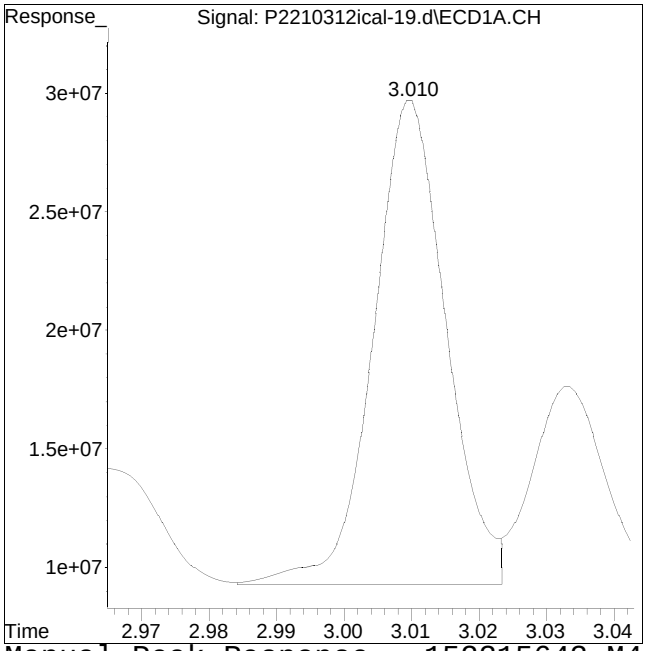
Original Peak Response = 157974900 Manual Peak Response = 121477330 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-19.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:13 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 3/12/2021 7:23 pm

Compound #47: 1262-2



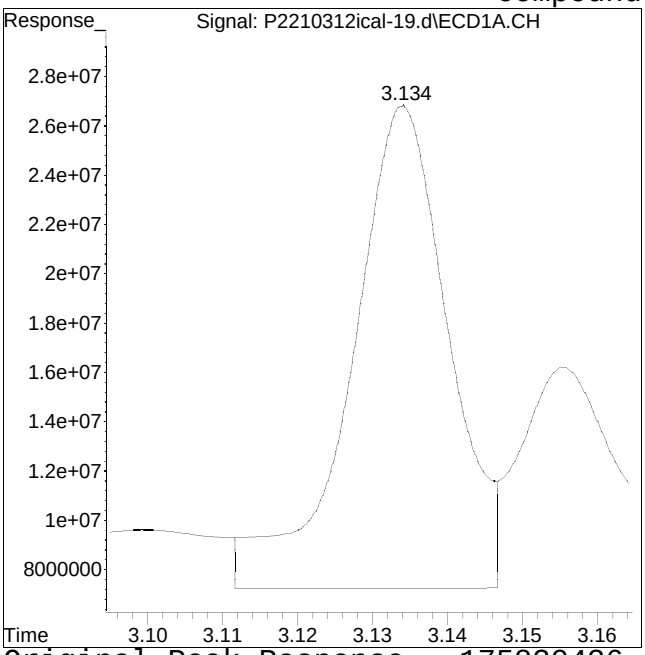


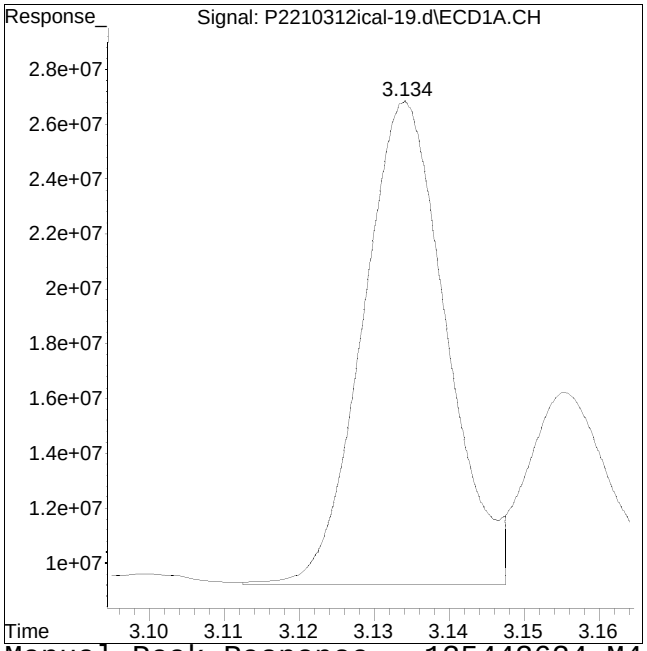
Original Peak Response = 203809037 Manual Peak Response = 152315643 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-19.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:13 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 3/12/2021 7:23 pm

Compound #48: 1262-3



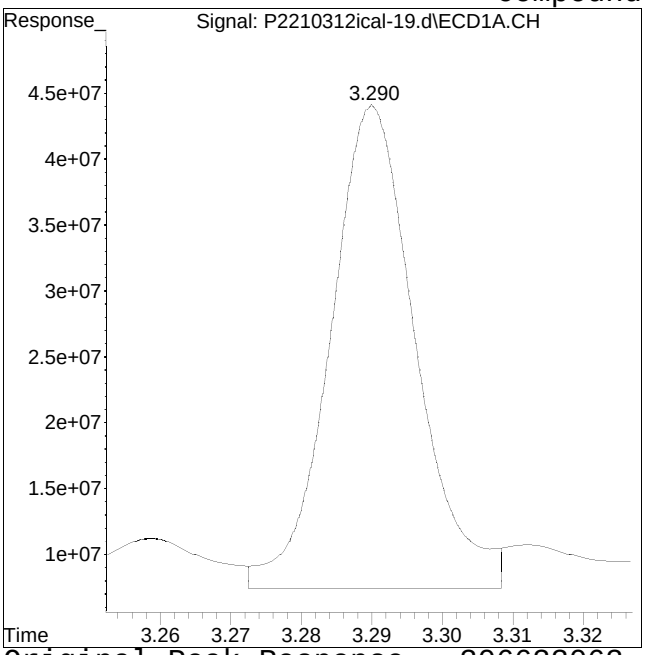


Original Peak Response = 175830436 Manual Peak Response = 135443624 M4
M4 = Poor automated baseline construction.

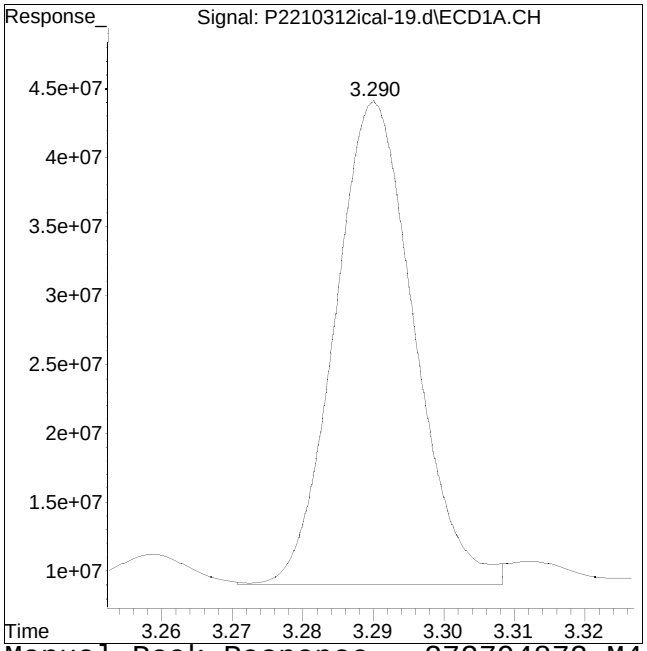
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-19.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:13 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 3/12/2021 7:23 pm

Compound #49: 1262-4



Original Peak Response = 306633063



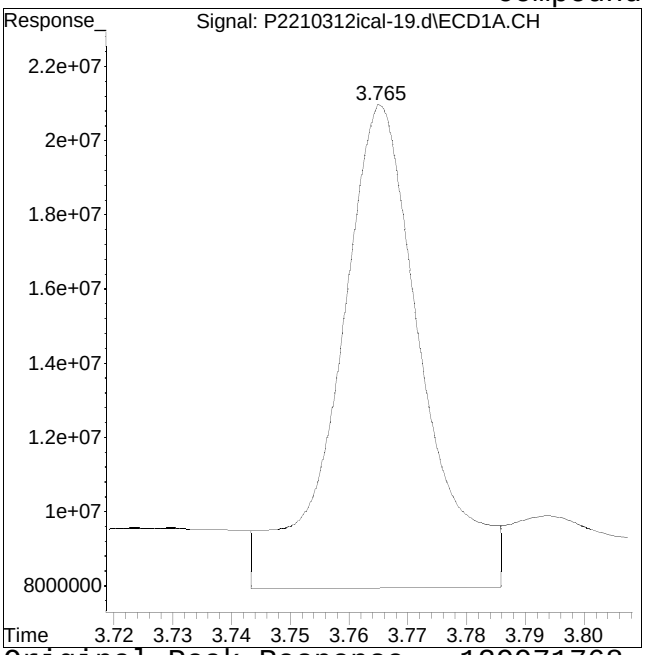
Manual Peak Response = 272794872 M4

M4 = Poor automated baseline construction.

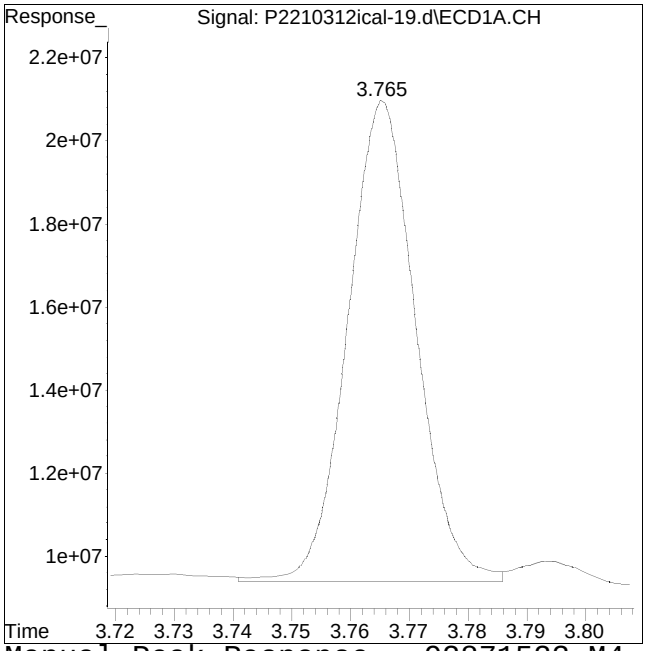
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-19.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:13 pm Instrument : PEST 2
Sample : cicv3262,42e,,10258 lvi Quant Date : 3/12/2021 7:23 pm

Compound #50: 1262-5



Original Peak Response = 129971768



Manual Peak Response = 92871523 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:22 pm
Operator : pest2:kb
Sample   : cicv1248,42e,,10259 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:59 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:52 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	1.000	1.000	0.0	142	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	1.211	1.215	-0.3	123	0.00
3	s	Decachlorobiphenyl	1.078	1.033	4.2	119	0.00
14	i	2154_1br2nb	1.000	1.000	0.0	107	0.00
23	i	4268_1br2nb	1.000	1.000	0.0	120	0.00
34	i	1248_1br2nb	1.000	1.000	0.0	104	0.00
35	l7	1248-1	0.052	0.051	1.9	102	0.00
36	l7	1248-2	0.060	0.064	-6.7	111	0.00
37	l7	1248-3	0.054	0.057	-5.6	109	0.00
38	l7	1248-4	0.046	0.052	-13.0	116	0.00
39	l7	1248-5	0.040	0.046	-15.0	121	0.00
40	i	3262_1br2nb	1.000	1.000	0.0	108	0.00

Signal #2

1	i	1660_1br2nb	1.000	1.000	0.0	107	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	1.129	1.213	-7.4	115	0.00
3	s	Decachlorobiphenyl	0.945	0.936	1.0	116	0.00
14	i	2154_1br2nb	1.000	1.000	0.0	108	0.00
23	i	4268_1br2nb	1.000	1.000	0.0	108	0.00
34	i	1248_1br2nb	1.000	1.000	0.0	97	0.00
35	l7	1248-1	0.047	0.052	-10.6	107	0.00
36	l7	1248-2	0.031	0.035	-12.9	107	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:22 pm
Operator : pest2:kb
Sample   : cicv1248,42e,,10259 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:59 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:52 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
37	l7	1248-3	0.038	0.044	-15.8	110	0.00
38	l7	1248-4	0.044	0.051	-15.9	112	0.00
39	l7	1248-5	0.050	0.058	-16.0	113	0.00
40	i	3262_1br2nb	1.000	1.000	0.0	108	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	125.320	0.000 E3	100.0#	0#	-1.58#
5	l1	1016-2	270.304	0.000 E3	100.0#	0#	-1.73#
6	l1	1016-3	561.831	0.000 E3	100.0#	0#	-1.92#
7	l1	1016-4	223.528	0.000 E3	100.0#	0#	-1.97#
8	l1	1016-5	247.341	0.000 E3	100.0#	0#	-2.14#
9	l2	1260-1	368.460	0.000 E3	100.0#	0#	-2.69#
10	l2	1260-2	558.915	0.000 E3	100.0#	0#	-2.82#
11	l2	1260-3	342.821	0.000 E3	100.0#	0#	-3.13#
12	l2	1260-4	0.797	0.000 E6	100.0#	0#	-3.29#
13	l2	1260-5	594.058	0.000 E3	100.0#	0#	-3.44#
15	l3	1221-2	0.00155	0.00000	100.0#	0#	-1.50#
16	l3	1221-3	0.00095	0.00000	100.0#	0#	-1.56#
17	l3	1221-4	0.00384	0.00000	100.0#	0#	-1.58#
18	l4	1254-1	0.00508	0.00000	100.0#	0#	-2.31#
19	l4	1254-2	0.00921	0.00000	100.0#	0#	-2.42#
20	l4	1254-3	0.00953	0.00000	100.0#	0#	-2.60#
21	l4	1254-4	0.00735	0.00000	100.0#	0#	-2.73#
22	l4	1254-5	0.010	0.000	100.0#	0#	-2.96#
24	l6	1242-1	0.00199	0.00000	100.0#	0#	-1.58#
25	l6	1242-2	0.00413	0.00000	100.0#	0#	-1.73#
26	l6	1242-3	0.00948	0.00000	100.0#	0#	-1.92#
27	l6	1242-4	0.00388	0.00000	100.0#	0#	-1.97#
28	l6	1242-5	0.00322	0.00000	100.0#	0#	-2.32#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:22 pm
Operator : pest2:kb
Sample   : cicv1248,42e,,10259 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:59 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:52 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
29 l9	1268-1	0.022	0.000	100.0#	0#	-3.45#
30 l9	1268-2	0.021	0.000	100.0#	0#	-3.48#
31 l9	1268-3	0.016	0.000	100.0#	0#	-3.58#
32 l9	1268-4	0.00754	0.00000	100.0#	0#	-3.77#
33 l9	1268-5	0.048	0.000	100.0#	0#	-3.92#
41 l5	1232-1	0.00289	0.00000	100.0#	0#	-1.58#
42 l5	1232-2	0.00262	0.00000	100.0#	0#	-1.73#
43 l5	1232-3	0.00584	0.00000	100.0#	0#	-1.92#
44 l5	1232-4	0.00269	0.00000	100.0#	0#	-1.97#
45 l5	1232-5	0.00163	0.00000	100.0#	0#	-2.33#
46 l8	1262-1	0.00844	0.00000	100.0#	0#	-2.82#
47 l8	1262-2	0.011	0.000	100.0#	0#	-3.01#
48 l8	1262-3	0.00908	0.00000	100.0#	0#	-3.13#
49 l8	1262-4	0.019	0.000	100.0#	0#	-3.29#
50 l8	1262-5	0.00643	0.00000	100.0#	0#	-3.77#
Signal #2						
4 l1	1016-1	48.109	0.000 E3	100.0#	0#	-1.81#
5 l1	1016-2	102.983	0.000 E3	100.0#	0#	-1.98#
6 l1	1016-3	216.090	0.000 E3	100.0#	0#	-2.19#
7 l1	1016-4	86.760	0.000 E3	100.0#	0#	-2.25#
8 l1	1016-5	72.326	0.000 E3	100.0#	0#	-2.46#
9 l2	1260-1	142.152	0.000 E3	100.0#	0#	-3.07#
10 l2	1260-2	167.319	0.000 E3	100.0#	0#	-3.17#
11 l2	1260-3	146.921	0.000 E3	100.0#	0#	-3.57#
12 l2	1260-4	282.321	0.000 E3	100.0#	0#	-3.70#
13 l2	1260-5	205.255	0.000 E3	100.0#	0#	-3.90#
15 l3	1221-2	26.137	0.000 E3	100.0#	0#	-1.72#
16 l3	1221-3	16.990	0.000 E3	100.0#	0#	-1.78#
17 l3	1221-4	64.549	0.000 E3	100.0#	0#	-1.81#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:22 pm
Operator : pest2:kb
Sample   : cicv1248,42e,,10259 lvi
Misc   : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:59 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:52 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
18 l4	1254-1	95.202	0.000 E3	100.0#	0#	-2.66#
19 l4	1254-2	121.792	0.000 E3	100.0#	0#	-2.74#
20 l4	1254-3	171.687	0.000 E3	100.0#	0#	-2.98#
21 l4	1254-4	121.057	0.000 E3	100.0#	0#	-3.09#
22 l4	1254-5	161.577	0.000 E3	100.0#	0#	-3.37#
24 l6	1242-1	36.597	0.000 E3	100.0#	0#	-1.81#
25 l6	1242-2	82.248	0.000 E3	100.0#	0#	-1.98#
26 l6	1242-3	165.069	0.000 E3	100.0#	0#	-2.19#
27 l6	1242-4	65.903	0.000 E3	100.0#	0#	-2.25#
28 l6	1242-5	59.418	0.000 E3	100.0#	0#	-2.63#
29 l9	1268-1	368.454	0.000 E3	100.0#	0#	-3.90#
30 l9	1268-2	351.009	0.000 E3	100.0#	0#	-3.92#
31 l9	1268-3	258.945	0.000 E3	100.0#	0#	-4.07#
32 l9	1268-4	115.856	0.000 E3	100.0#	0#	-4.22#
33 l9	1268-5	744.641	0.000 E3	100.0#	0#	-4.41#
41 l5	1232-1	50.322	0.000 E3	100.0#	0#	-1.81#
42 l5	1232-2	55.844	0.000 E3	100.0#	0#	-1.98#
43 l5	1232-3	95.723	0.000 E3	100.0#	0#	-2.19#
44 l5	1232-4	38.242	0.000 E3	100.0#	0#	-2.25#
45 l5	1232-5	31.522	0.000 E3	100.0#	0#	-2.64#
46 l8	1262-1	124.229	0.000 E3	100.0#	0#	-3.17#
47 l8	1262-2	161.582	0.000 E3	100.0#	0#	-3.41#
48 l8	1262-3	157.891	0.000 E3	100.0#	0#	-3.57#
49 l8	1262-4	295.476	0.000 E3	100.0#	0#	-3.70#
50 l8	1262-5	104.882	0.000 E3	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:22 pm
Operator : pest2:kb
Sample : cicv1248,42e,,10259 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:59 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:52 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.153	1.223	201.4E6	59902262	25.000	25.000
14) i	2154_1br2nb	1.153	1.223	201.4E6	59902262	25.000	25.000
23) i	4268_1br2nb	1.153	1.223	201.4E6	59902262	25.000	25.000
34) i	1248_1br2nb	1.153	1.223	201.4E6	59902262	25.000	25.000
40) i	3262_1br2nb	1.153	1.223	201.4E6	59902262	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.443	1.605	156.7E6	46500633	16.060	17.192
Spiked Amount	20.000	Range 30 - 150		Recovery =		80.30%	85.96%
3) s	Decachlorobi	4.024	4.554	266.4E6	71743592	30.671	31.688
Spiked Amount	20.000	Range 30 - 150		Recovery =		153.35%#	158.44%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:22 pm
Operator : pest2:kb
Sample : cicv1248,42e,,10259 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:59 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:52 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.908	2.186	103.2E6	31256076	246.483	276.875
36) l7	1248-2	2.046	2.332	128.0E6	20719016	266.331M1	277.108
37) l7	1248-3	2.143	2.460	114.3E6	26249916	263.071	284.762
38) l7	1248-4	2.326	2.636	103.9E6	30625529	278.760	289.504M4
39) l7	1248-5	2.339	2.659	93488496	34699598	292.483	292.445M4
Sum	1248-1			542.9E6	143.6E6	1347.129	1420.694

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:22 pm
Operator : pest2:kb
Sample : cicv1248,42e,,10259 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:59 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:52 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					269.426	284.139
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

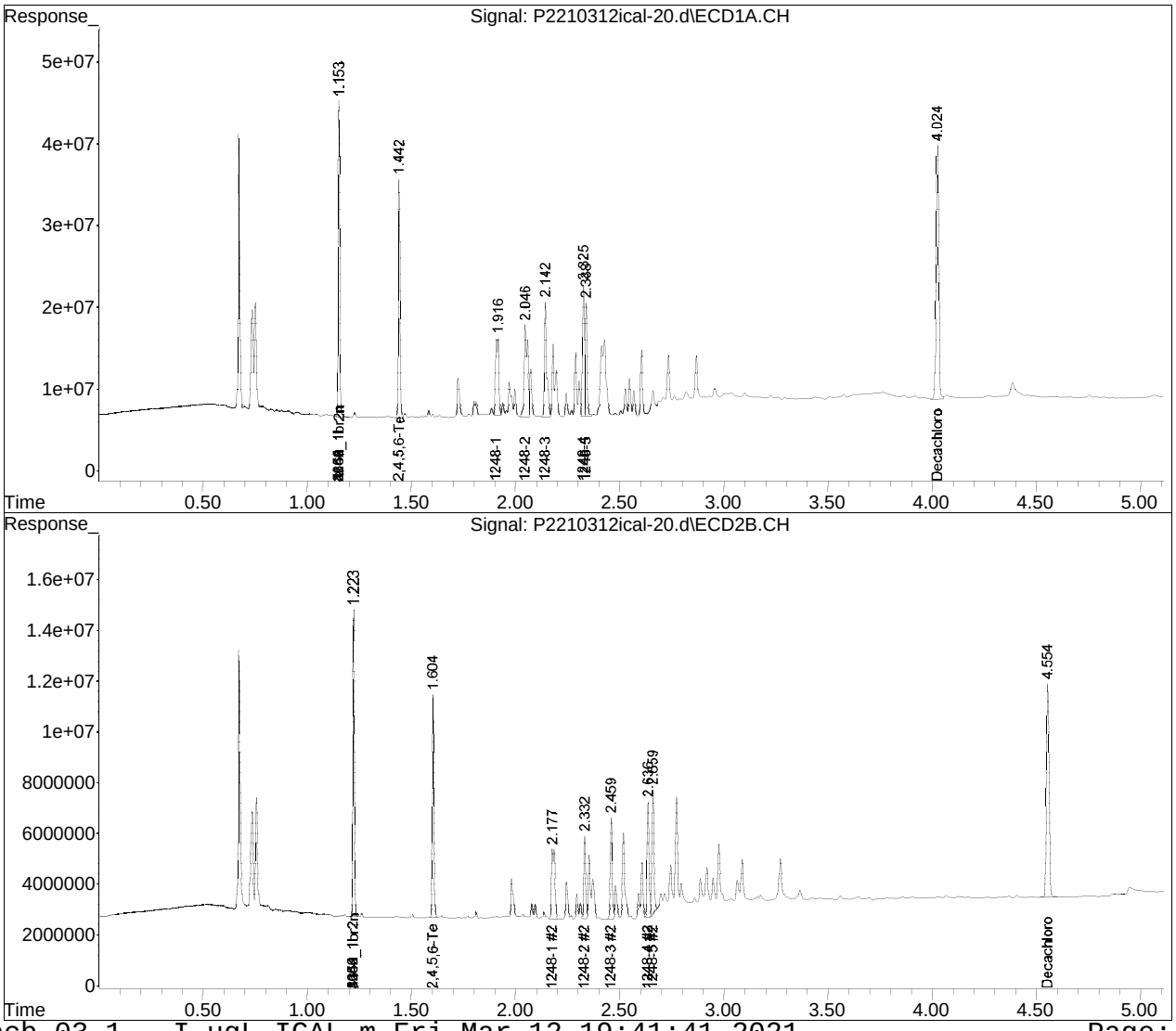
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:22 pm
Operator : pest2:kb
Sample : cicv1248,42e,,10259 lvi
Misc : WG1473961,, (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:23:59 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:23:52 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

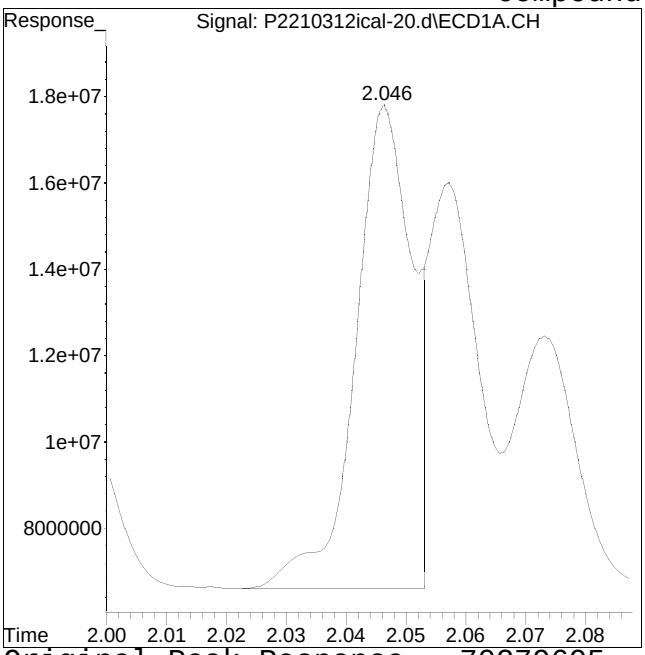
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

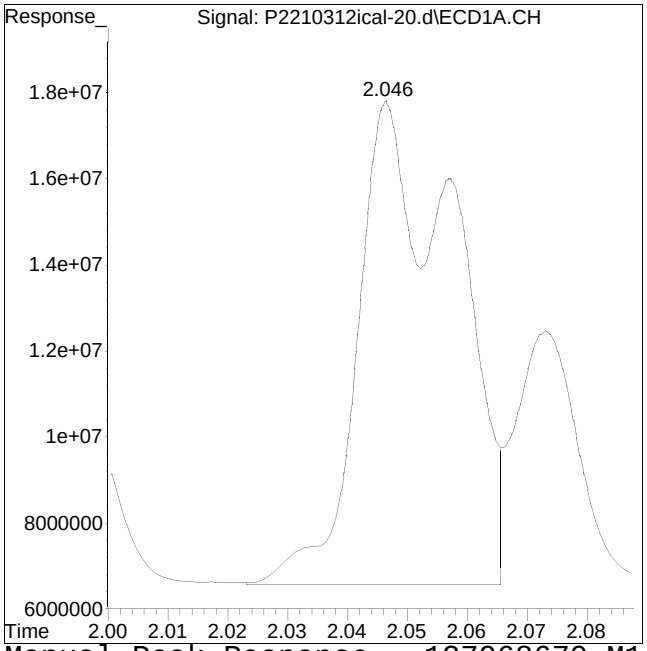


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-20.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:22 pm Instrument : PEST 2
Sample : cicv1248,42e,,10259 lvi Quant Date : 3/12/2021 7:23 pm

Compound #36: 1248-2



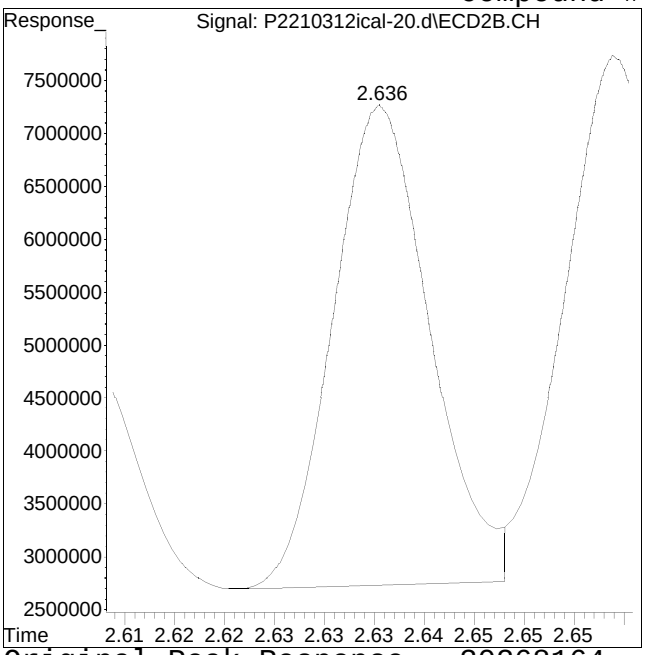


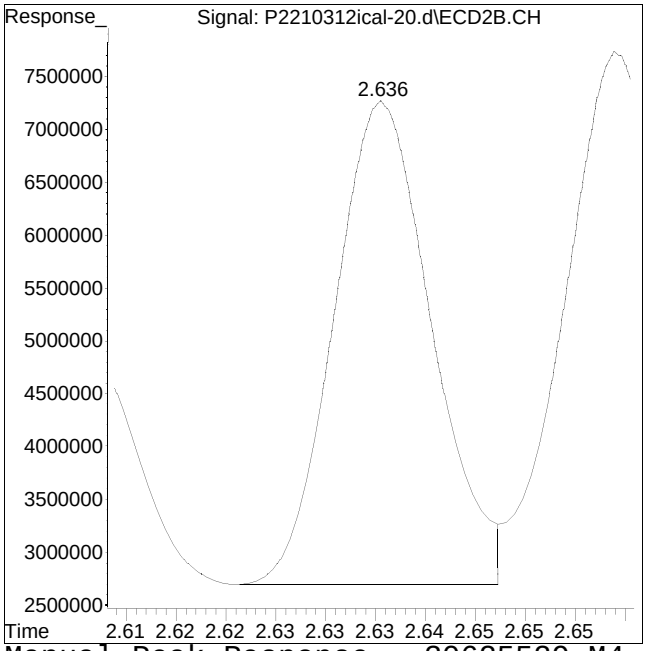
Original Peak Response = 70279695 Manual Peak Response = 127968670 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-20.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:22 pm Instrument : PEST 2
Sample : cicv1248,42e,,10259 lvi Quant Date : 3/12/2021 7:23 pm

Compound #89: 1248-4 #2



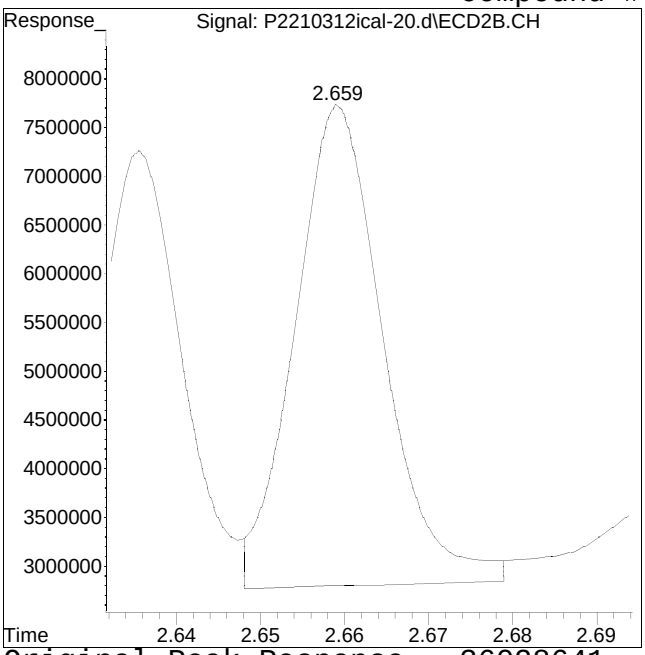


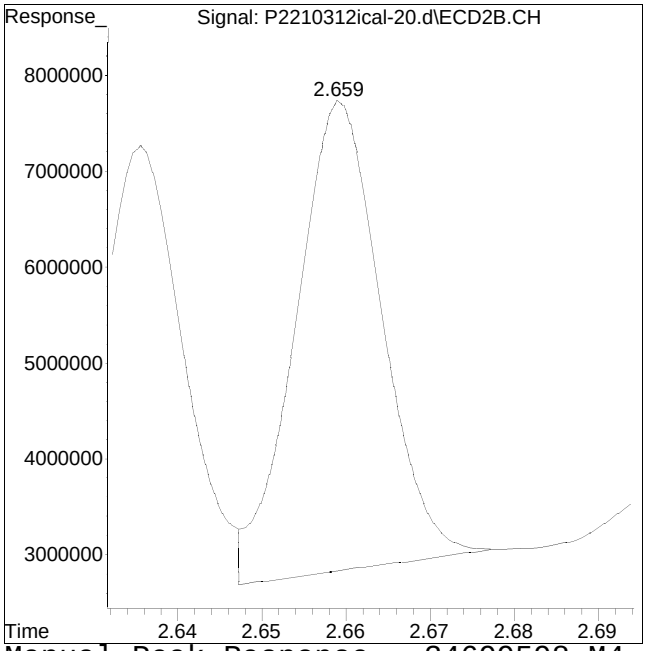
Original Peak Response = 30268164 Manual Peak Response = 30625529 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-20.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:22 pm Instrument : PEST 2
Sample : cicv1248,42e,,10259 lvi Quant Date : 3/12/2021 7:23 pm

Compound #90: 1248-5 #2





Original Peak Response = 36028641 Manual Peak Response = 34699598 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:30 pm
Operator : pest2:kb
Sample   : cicv2154,42e,,10256 lvi
Misc   : WG1473961,,
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:24:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:24:03 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	1.000	1.000	0.0	136	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	1.211	1.150	5.0	111	0.00
3	s	Decachlorobiphenyl	1.078	0.943	12.5	103	0.00
14	i	2154_1br2nb	1.000	1.000	0.0	103	0.00
15	l3	1221-2	0.012	0.012	0.0	104	0.00
16	l3	1221-3	0.00701	0.00727	-3.7	106	0.00
17	l3	1221-4	0.029	0.029	0.0	105	0.00
18	l4	1254-1	0.038	0.042	-10.5	114	0.00
19	l4	1254-2	0.068	0.077	-13.2	116	0.00
20	l4	1254-3	0.071	0.079	-11.3	115	0.00
21	l4	1254-4	0.055	0.059	-7.3	111	0.00
22	l4	1254-5	0.076	0.077	-1.3	104	0.00
23	i	4268_1br2nb	1.000	1.000	0.0	115	0.00
34	i	1248_1br2nb	1.000	1.000	0.0	99	0.00
40	i	3262_1br2nb	1.000	1.000	0.0	103	0.00

Signal #2

1	i	1660_1br2nb	1.000	1.000	0.0	103	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	1.129	1.127	0.2	103	0.00
3	s	Decachlorobiphenyl	0.945	0.860	9.0	102	0.00
14	i	2154_1br2nb	1.000	1.000	0.0	105	0.00
15	l3	1221-2	0.012	0.012	0.0	104	0.00
16	l3	1221-3	0.00769	0.00793	-3.1	108	0.00
17	l3	1221-4	0.029	0.029	0.0	103	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:30 pm
Operator : pest2:kb
Sample   : cicv2154,42e,,10256 lvi
Misc   : WG1473961,,
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:24:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:24:03 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
18	l4	1254-1	0.043	0.048	-11.6	115	0.00
19	l4	1254-2	0.055	0.058	-5.5	110	0.00
20	l4	1254-3	0.078	0.085	-9.0	115	0.00
21	l4	1254-4	0.055	0.058	-5.5	110	0.00
22	l4	1254-5	0.073	0.075	-2.7	107	0.00
23	i	4268_1br2nb	1.000	1.000	0.0	104	0.00
34	i	1248_1br2nb	1.000	1.000	0.0	93	0.00
40	i	3262_1br2nb	1.000	1.000	0.0	104	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	125.320	0.000 E3	100.0#	0#	-1.58#
5	l1	1016-2	270.304	0.000 E3	100.0#	0#	-1.73#
6	l1	1016-3	561.831	0.000 E3	100.0#	0#	-1.92#
7	l1	1016-4	223.528	0.000 E3	100.0#	0#	-1.97#
8	l1	1016-5	247.341	0.000 E3	100.0#	0#	-2.14#
9	l2	1260-1	368.460	0.000 E3	100.0#	0#	-2.69#
10	l2	1260-2	558.915	0.000 E3	100.0#	0#	-2.82#
11	l2	1260-3	342.821	0.000 E3	100.0#	0#	-3.13#
12	l2	1260-4	0.797	0.000 E6	100.0#	0#	-3.29#
13	l2	1260-5	594.058	0.000 E3	100.0#	0#	-3.44#
24	l6	1242-1	0.00199	0.00000	100.0#	0#	-1.58#
25	l6	1242-2	0.00413	0.00000	100.0#	0#	-1.73#
26	l6	1242-3	0.00948	0.00000	100.0#	0#	-1.92#
27	l6	1242-4	0.00388	0.00000	100.0#	0#	-1.97#
28	l6	1242-5	0.00322	0.00000	100.0#	0#	-2.32#
29	l9	1268-1	0.022	0.000	100.0#	0#	-3.45#
30	l9	1268-2	0.021	0.000	100.0#	0#	-3.48#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:30 pm
Operator : pest2:kb
Sample   : cicv2154,42e,,10256 lvi
Misc   : WG1473961,,
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:24:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:24:03 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
31	l9	1268-3	0.016	0.000		100.0#	0#	-3.58#
32	l9	1268-4	0.00754	0.00000		100.0#	0#	-3.77#
33	l9	1268-5	0.048	0.000		100.0#	0#	-3.92#
35	l7	1248-1	0.00725	0.00000		100.0#	0#	-1.92#
36	l7	1248-2	0.00832	0.00000		100.0#	0#	-2.05#
37	l7	1248-3	0.00752	0.00000		100.0#	0#	-2.14#
38	l7	1248-4	0.00645	0.00000		100.0#	0#	-2.33#
39	l7	1248-5	0.00554	0.00000		100.0#	0#	-2.34#
41	l5	1232-1	0.00289	0.00000		100.0#	0#	-1.58#
42	l5	1232-2	0.00262	0.00000		100.0#	0#	-1.73#
43	l5	1232-3	0.00584	0.00000		100.0#	0#	-1.92#
44	l5	1232-4	0.00269	0.00000		100.0#	0#	-1.97#
45	l5	1232-5	0.00163	0.00000		100.0#	0#	-2.33#
46	l8	1262-1	0.00844	0.00000		100.0#	0#	-2.82#
47	l8	1262-2	0.011	0.000		100.0#	0#	-3.01#
48	l8	1262-3	0.00908	0.00000		100.0#	0#	-3.13#
49	l8	1262-4	0.019	0.000		100.0#	0#	-3.29#
50	l8	1262-5	0.00643	0.00000		100.0#	0#	-3.77#
Signal #2								
4	l1	1016-1	48.109	0.000	E3	100.0#	0#	-1.81#
5	l1	1016-2	102.983	0.000	E3	100.0#	0#	-1.98#
6	l1	1016-3	216.090	0.000	E3	100.0#	0#	-2.19#
7	l1	1016-4	86.760	0.000	E3	100.0#	0#	-2.25#
8	l1	1016-5	72.326	0.000	E3	100.0#	0#	-2.46#
9	l2	1260-1	142.152	0.000	E3	100.0#	0#	-3.07#
10	l2	1260-2	167.319	0.000	E3	100.0#	0#	-3.17#
11	l2	1260-3	146.921	0.000	E3	100.0#	0#	-3.57#
12	l2	1260-4	282.321	0.000	E3	100.0#	0#	-3.70#
13	l2	1260-5	205.255	0.000	E3	100.0#	0#	-3.90#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:30 pm
Operator : pest2:kb
Sample   : cicv2154,42e,,10256 lvi
Misc   : WG1473961,,
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:24:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:24:03 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
24 l6	1242-1	36.597	0.000 E3	100.0#	0#	-1.81#
25 l6	1242-2	82.248	0.000 E3	100.0#	0#	-1.98#
26 l6	1242-3	165.069	0.000 E3	100.0#	0#	-2.19#
27 l6	1242-4	65.903	0.000 E3	100.0#	0#	-2.25#
28 l6	1242-5	59.418	0.000 E3	100.0#	0#	-2.63#
29 l9	1268-1	368.454	0.000 E3	100.0#	0#	-3.90#
30 l9	1268-2	351.009	0.000 E3	100.0#	0#	-3.92#
31 l9	1268-3	258.945	0.000 E3	100.0#	0#	-4.07#
32 l9	1268-4	115.856	0.000 E3	100.0#	0#	-4.22#
33 l9	1268-5	744.641	0.000 E3	100.0#	0#	-4.41#
35 l7	1248-1	116.485	0.000 E3	100.0#	0#	-2.18#
36 l7	1248-2	77.151	0.000 E3	100.0#	0#	-2.33#
37 l7	1248-3	95.119	0.000 E3	100.0#	0#	-2.46#
38 l7	1248-4	109.157	0.000 E3	100.0#	0#	-2.64#
39 l7	1248-5	122.434	0.000 E3	100.0#	0#	-2.66#
41 l5	1232-1	50.322	0.000 E3	100.0#	0#	-1.81#
42 l5	1232-2	55.844	0.000 E3	100.0#	0#	-1.98#
43 l5	1232-3	95.723	0.000 E3	100.0#	0#	-2.19#
44 l5	1232-4	38.242	0.000 E3	100.0#	0#	-2.25#
45 l5	1232-5	31.522	0.000 E3	100.0#	0#	-2.64#
46 l8	1262-1	124.229	0.000 E3	100.0#	0#	-3.17#
47 l8	1262-2	161.582	0.000 E3	100.0#	0#	-3.41#
48 l8	1262-3	157.891	0.000 E3	100.0#	0#	-3.57#
49 l8	1262-4	295.476	0.000 E3	100.0#	0#	-3.70#
50 l8	1262-5	104.882	0.000 E3	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:30 pm
Operator : pest2:kb
Sample : cicv2154,42e,,10256 lvi
Misc : WG1473961,,
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:24:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:24:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.154	1.224	192.3E6	57779025	25.000	25.000
14) i	2154_1br2nb	1.154	1.224	192.3E6	57779025	25.000	25.000
23) i	4268_1br2nb	1.154	1.224	192.3E6	57779025	25.000	25.000
34) i	1248_1br2nb	1.154	1.224	192.3E6	57779025	25.000	25.000
40) i	3262_1br2nb	1.154	1.224	192.3E6	57779025	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.442	1.605	141.6E6	41669572	15.200	15.972
	Spiked Amount 20.000	Range 30 - 150		Recovery =		76.00%	79.86%
3) s	Decachlorobi	4.024	4.554	232.0E6	63577828	27.978	29.113
	Spiked Amount 20.000	Range 30 - 150		Recovery =		139.89%	145.57%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	1.506	1.722	22479766	6812611	253.497	249.288
16) l3	1221-3	1.565	1.783	13988043	4579957	259.335M4	257.814
17) l3	1221-4	1.583	1.810	56314509	16562349	256.841	245.403

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:30 pm
Operator : pest2:kb
Sample : cicv2154,42e,,10256 lvi
Misc : WG1473961,,
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:24:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:24:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			92782318	27954917	769.673	752.506
Average	1221-2					256.558	250.835
18) l4	1254-1	2.307	2.657	80859986	27455226	278.909	275.822M4
19) l4	1254-2	2.420	2.744	149.0E6	33561624	283.630	263.556M4
20) l4	1254-3	2.604	2.976	152.9E6	49354703	281.158	274.942M4
21) l4	1254-4	2.733	3.087	113.6E6	33289423	270.943M4	263.008M4
22) l4	1254-5	2.956	3.365	147.4E6	43299950	253.733M4	256.305M4
Sum	1254-1			643.8E6	187.0E6	1368.373	1333.633
Average	1254-1					273.675	266.727
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:30 pm
Operator : pest2:kb
Sample : cicv2154,42e,,10256 lvi
Misc : WG1473961,,
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:24:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:24:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

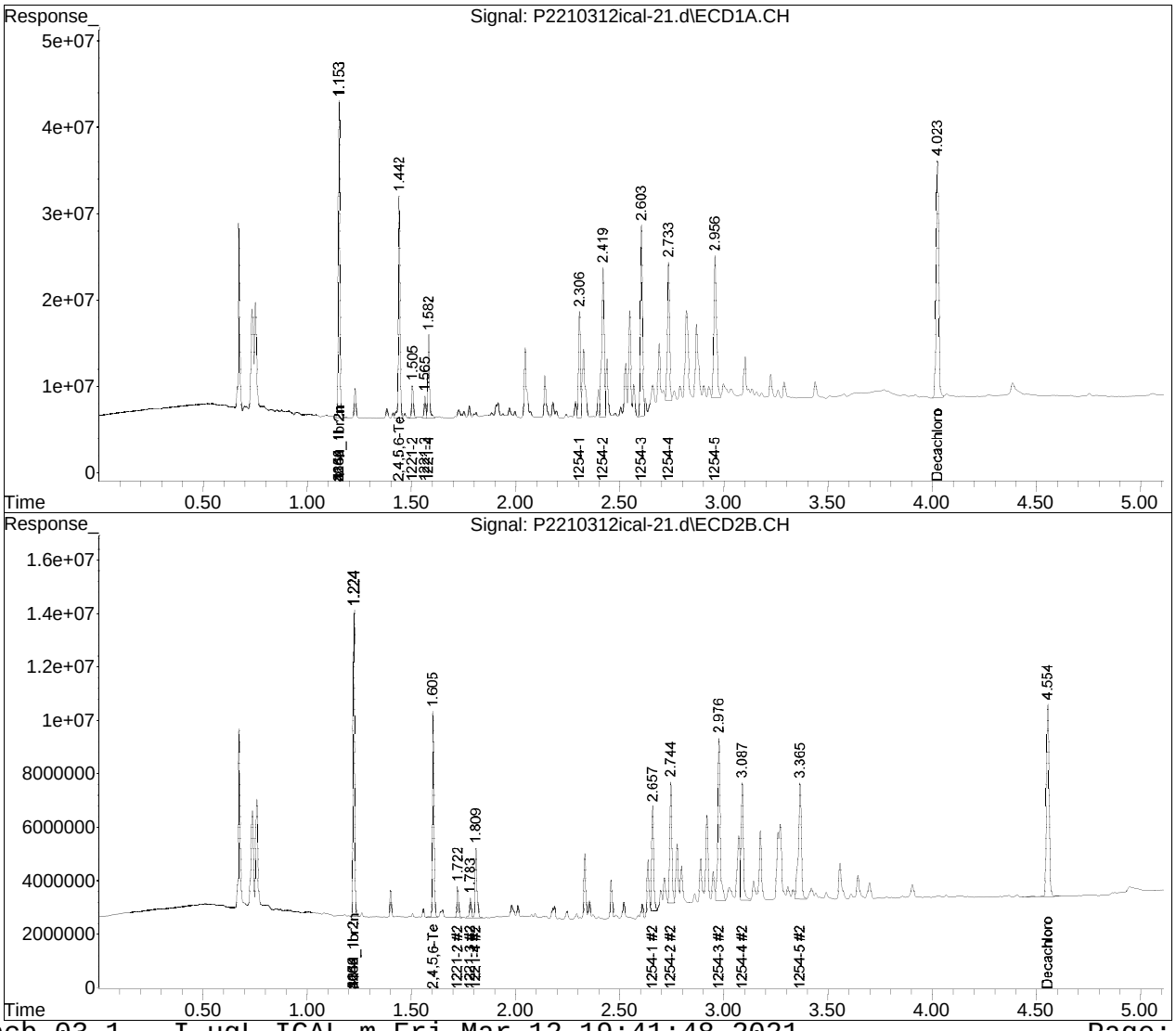
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312ical\
Data File : P2210312ical-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:30 pm
Operator : pest2:kb
Sample : cicv2154,42e,,10256 lvi
Misc : WG1473961,,
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 19:24:11 2021
Quant Method : I:\PCB\Pest2\2021\210312ical\P2_pcb_03_12_21_LVI_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Mar 12 19:24:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

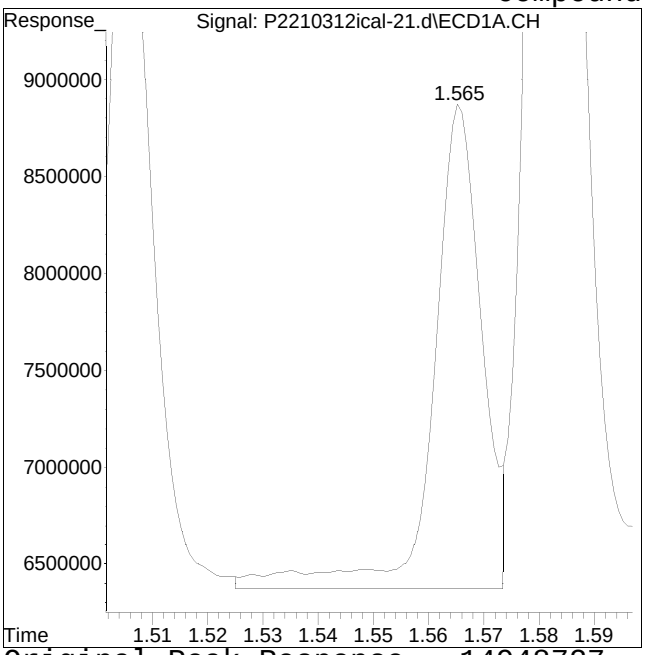
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

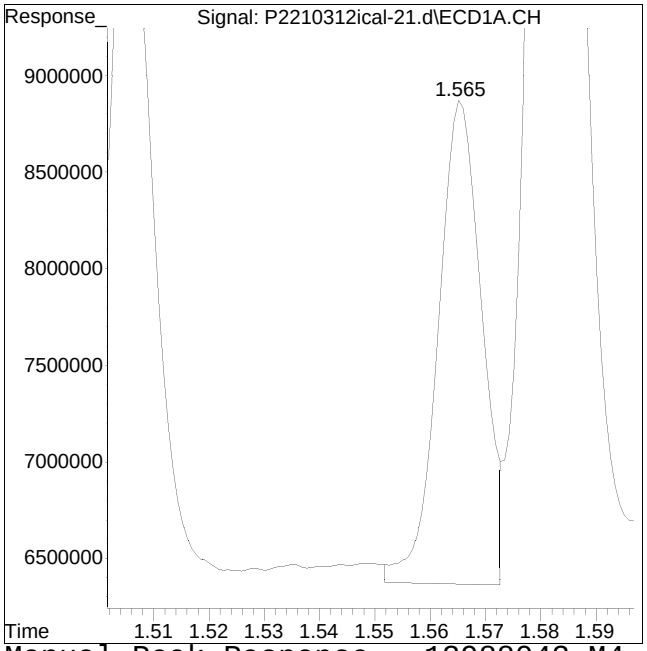


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-21.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:30 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 3/12/2021 7:24 pm

Compound #16: 1221-3



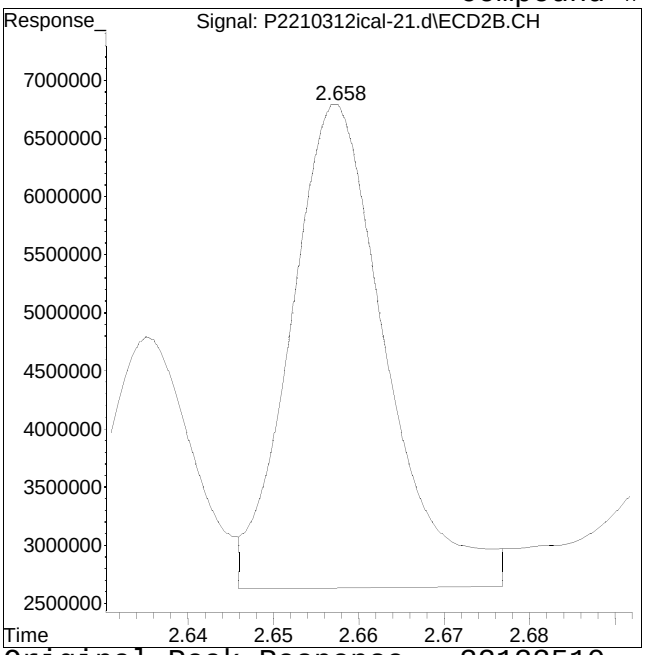


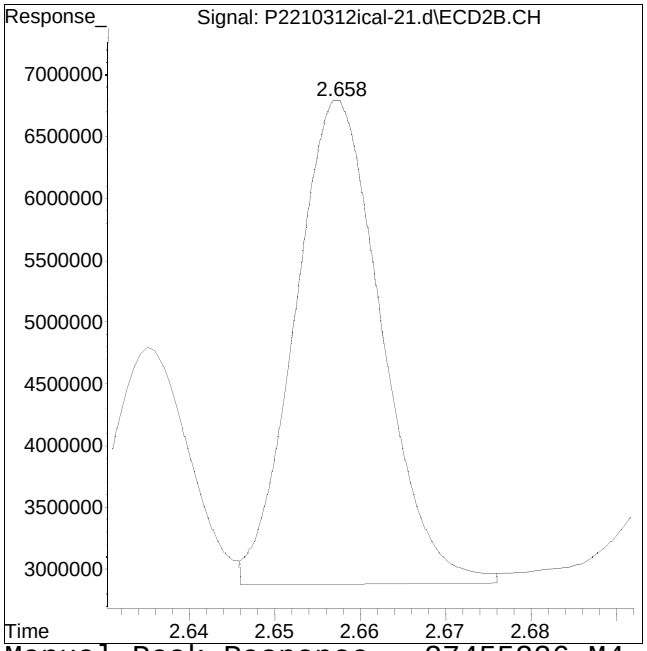
Original Peak Response = 14948727 Manual Peak Response = 13988043 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-21.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:30 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 3/12/2021 7:24 pm

Compound #69: 1254-1 #2



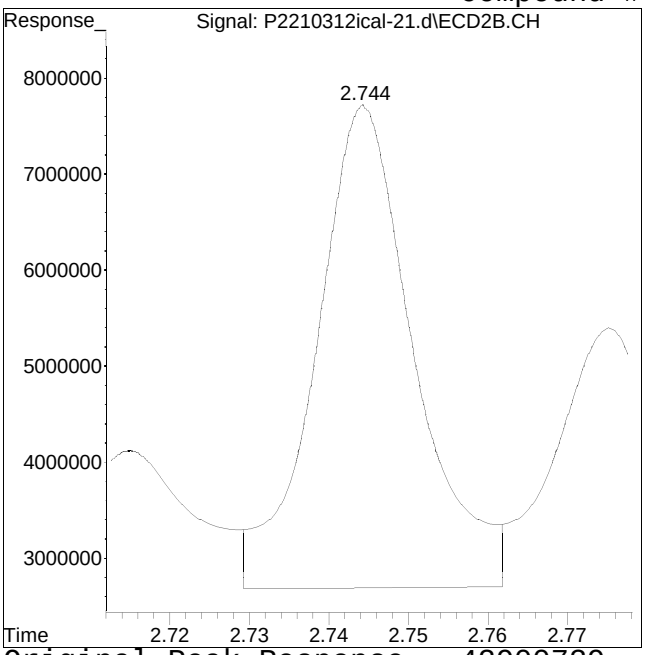


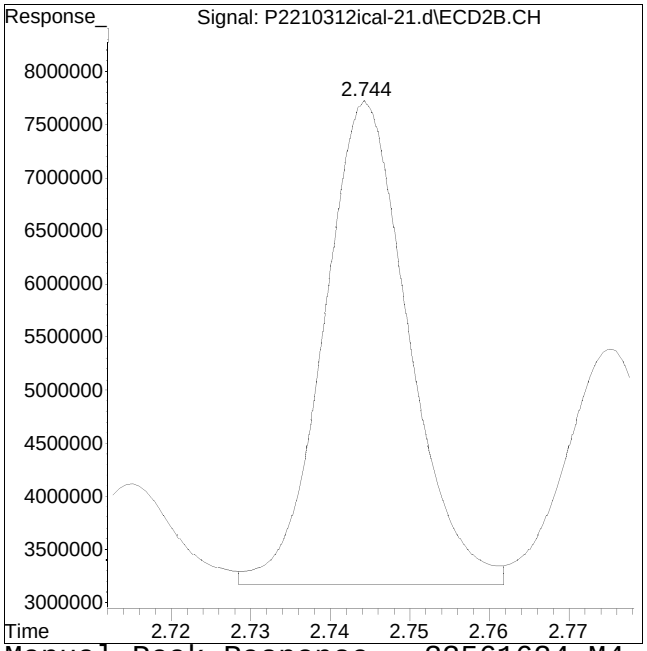
Original Peak Response = 32133510 Manual Peak Response = 27455226 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-21.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:30 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 3/12/2021 7:24 pm

Compound #70: 1254-2 #2



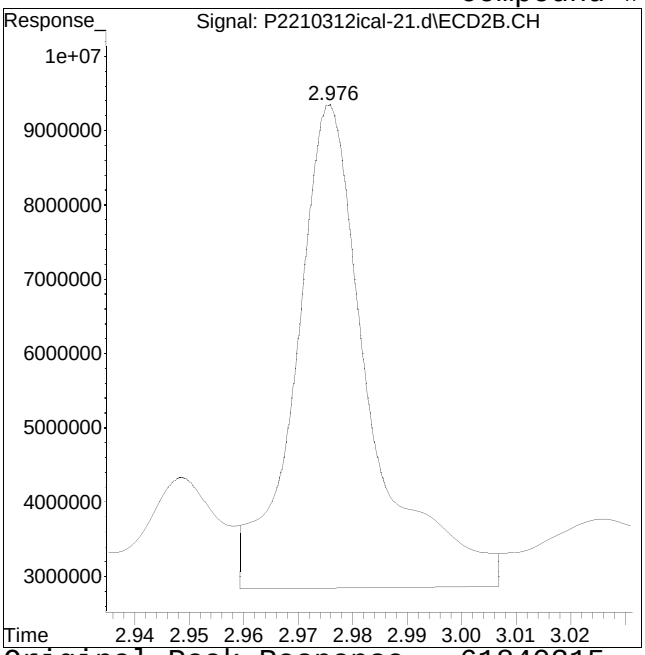


Original Peak Response = 42900739 Manual Peak Response = 33561624 M4
M4 = Poor automated baseline construction.

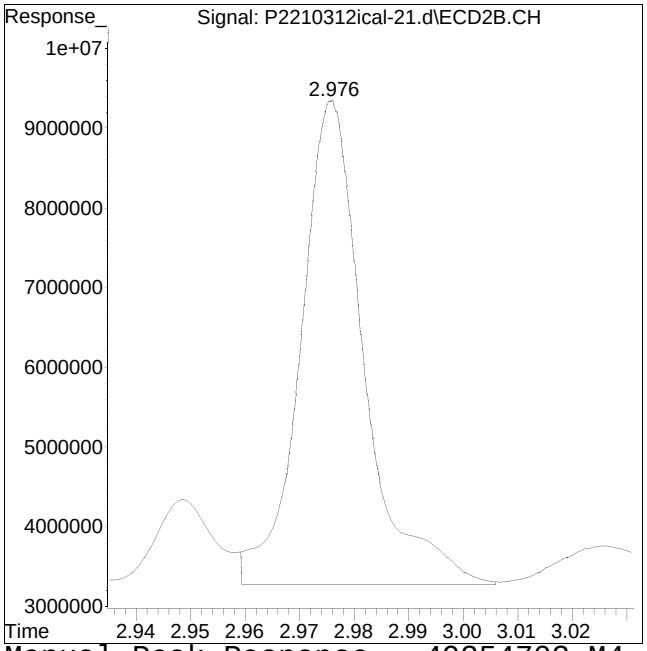
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-21.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:30 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 3/12/2021 7:24 pm

Compound #71: 1254-3 #2



Original Peak Response = 61840315



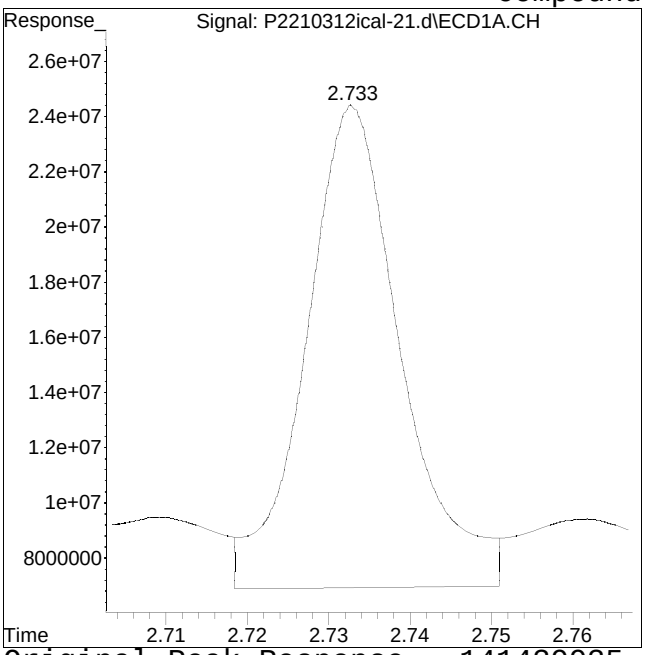
Manual Peak Response = 49354703 M4

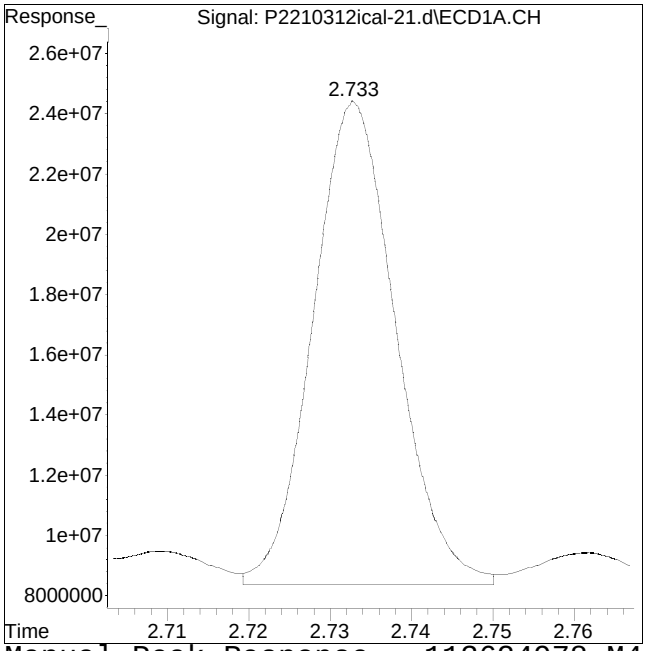
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-21.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:30 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 3/12/2021 7:24 pm

Compound #21: 1254-4



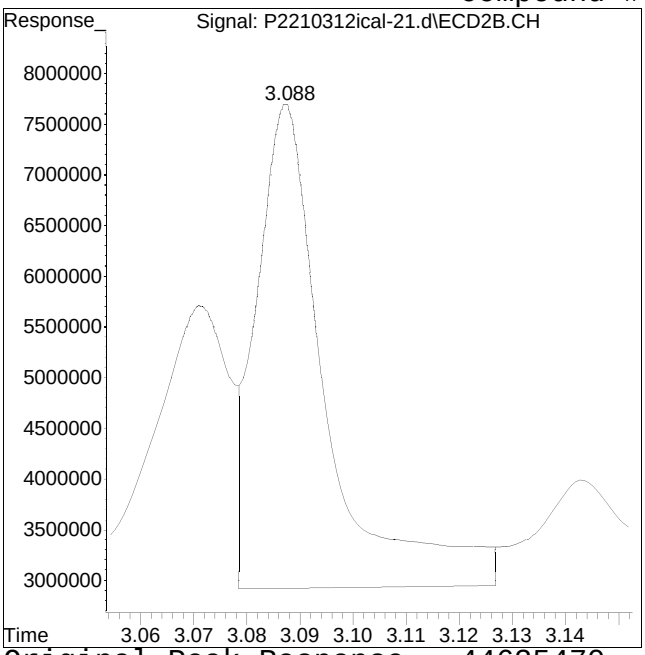


Original Peak Response = 141439935 Manual Peak Response = 113624978 M4
M4 = Poor automated baseline construction.

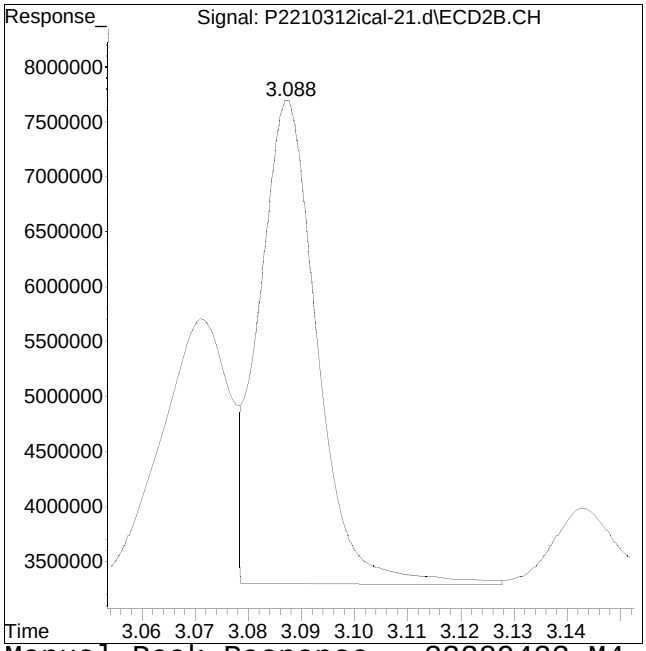
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-21.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:30 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 3/12/2021 7:24 pm

Compound #72: 1254-4 #2



Original Peak Response = 44635470



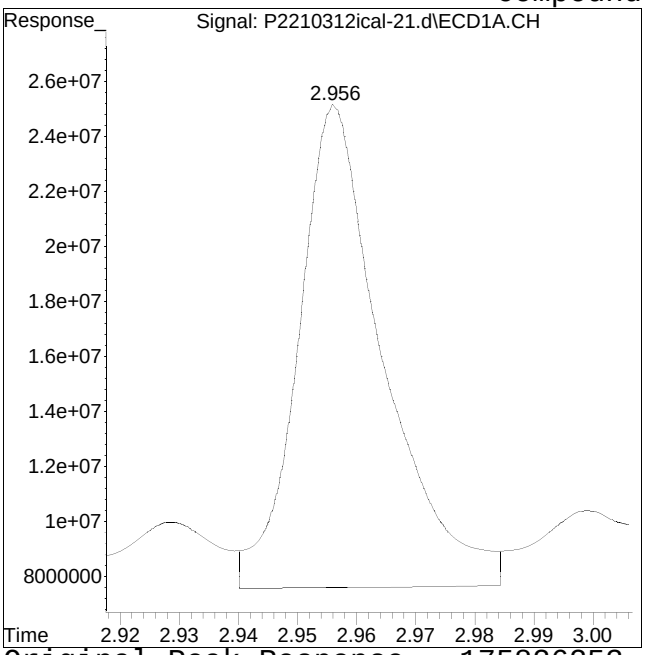
Manual Peak Response = 33289423 M4

M4 = Poor automated baseline construction.

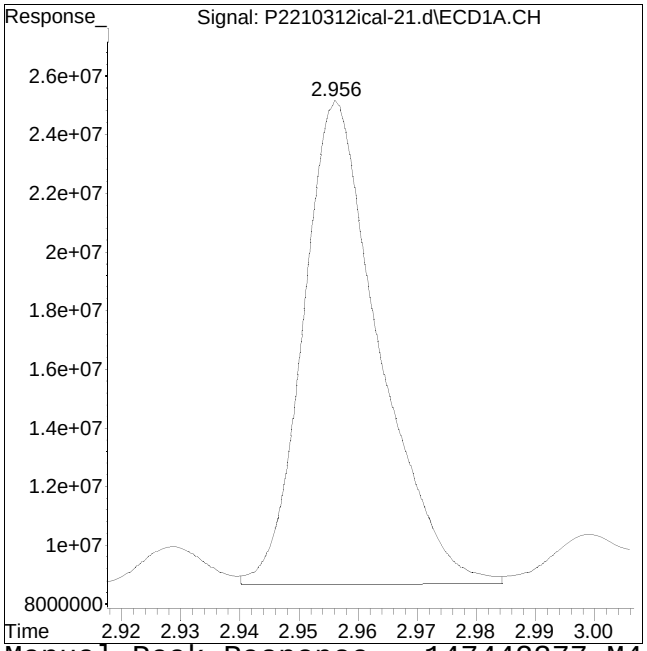
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-21.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:30 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 3/12/2021 7:24 pm

Compound #22: 1254-5



Original Peak Response = 175826253



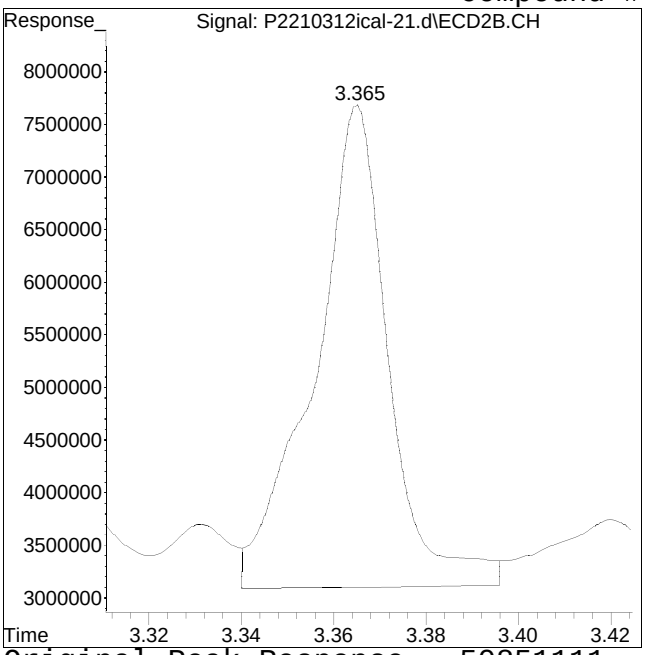
Manual Peak Response = 147442377 M4

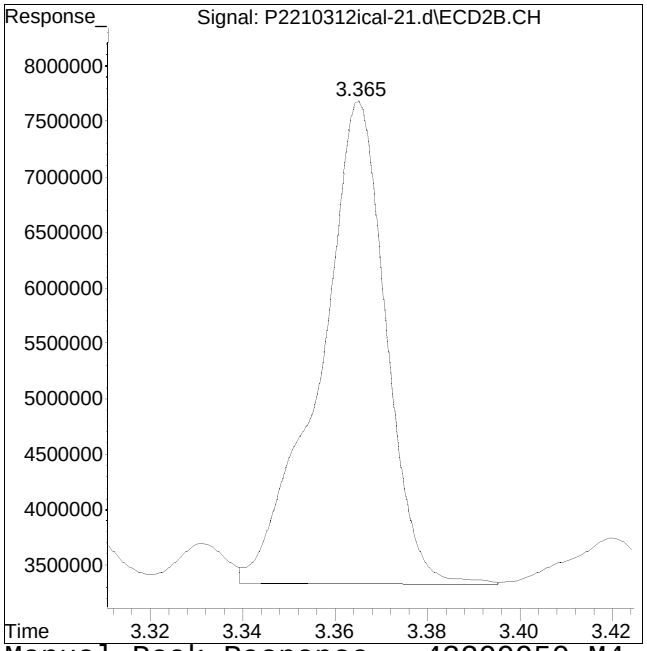
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312icQMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312ical-21.d Operator : pest2:kb
Date Inj'd : 3/12/2021 5:30 pm Instrument : PEST 2
Sample : cicv2154,42e,,10256 lvi Quant Date : 3/12/2021 7:24 pm

Compound #73: 1254-5 #2





Original Peak Response = 50851111 Manual Peak Response = 43299950 M4
M4 = Poor automated baseline construction.

Continuing Calibration

Calibration Verification Summary
Form 7
PCBs

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103		
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006		
Instrument ID	: PEST2	**Calibration Date**	: 03/12/21 09:48		
Lab File ID	: P2210312b-06	**Init. Calib. Date(s)**	: 01/12/21	01/12/21	
Sample No	: WG1473696-1	**Init. Calib. Times**	: 14:12	15:25	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	70	0
2,4,5,6-Tetrachloro-m-xylen	1.114	1.839	-	-65.1*	20	114	0
Decachlorobiphenyl	0.988	0.793	-	19.7	20	57	-.02
1016-1	0.02	0.032	-	-60*	20	115	0
1016-2	0.046	0.07	-	-52.2*	20	108	0
1016-3	0.092	0.142	-	-54.3*	20	108	-.01
1016-4	0.038	0.058	-	-52.6*	20	109	-.01
1016-5	0.039	0.059	-	-51.3*	20	108	-.01
1260-1	0.061	0.078	-	-27.9*	20	93	-.02
1260-2	0.094	0.114	-	-21.3*	20	87	-.02
1260-3	0.062	0.065	-	-4.8	20	76	-.02
1260-4	0.128	0.125	-	2.3	20	68	-.02
1260-5	0.091	0.081	-	11	20	64	-.02

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: PS&S Engineering, Inc.		**Lab Number**	: L2111103	
Project Name	: FORMER BICC CABLES SITE		**Project Number**	: 05697.0006	
Instrument ID	: PEST2		**Calibration Date**	: 03/12/21 09:48	
Lab File ID	: P2210312b-06		**Init. Calib. Date(s)**	: 01/12/21	01/12/21
Sample No	: WG1473696-1		**Init. Calib. Times**	: 14:12	15:25
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	1	1	-	0	20	85	0
2,4,5,6-Tetrachloro-m-xylen	1.156	1.631	-	-41.1*	20	122	0
Decachlorobiphenyl #2	0.959	0.89	-	7.2	20	85	-.03
1016-1 #2	0.022	0.031	-	-40.9*	20	124	-.01
1016-2 #2	0.048	0.068	-	-41.7*	20	121	-.01
1016-3 #2	0.095	0.131	-	-37.9*	20	120	-.01
1016-4 #2	0.039	0.054	-	-38.5*	20	124	-.01
1016-5 #2	0.031	0.043	-	-38.7*	20	123	-.01
1260-1 #2	0.063	0.079	-	-25.4*	20	113	-.02
1260-2 #2	0.074	0.088	-	-18.9	20	104	-.02
1260-3 #2	0.06	0.064	-	-6.7	20	95	-.02
1260-4 #2	0.123	0.13	-	-5.7	20	91	-.02
1260-5 #2	0.087	0.092	-	-5.7	20	94	-.02

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: PS&S Engineering, Inc.		**Lab Number**	: L2111103	
Project Name	: FORMER BICC CABLES SITE		**Project Number**	: 05697.0006	
Instrument ID	: PEST2		**Calibration Date**	: 03/12/21 16:57	
Lab File ID	: P2210312c-01		**Init. Calib. Date(s)**	: 03/12/21	03/12/21
Sample No	: WG1473959-1		**Init. Calib. Times**	: 15:35	16:49
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	132	0
2,4,5,6-Tetrachloro-m-xylen	1.211	1.05	-	13.3	20	98	0
Decachlorobiphenyl	1.078	0.92	-	14.7	20	98	0
1016-1	0.021	0.019	-	9.5	20	104	0
1016-2	0.043	0.047	-	-9.3	20	142	0
1016-3	0.094	0.098	-	-4.3	20	114	0
1016-4	0.037	0.041	-	-10.8	20	120	0
1016-5	0.041	0.041	-	0	20	109	0
1260-1	0.063	0.066	-	-4.8	20	109	0
1260-2	0.094	0.092	-	2.1	20	108	0
1260-3	0.058	0.047	-	19	20	86	0
1260-4	0.132	0.108	-	18.2	20	94	0
1260-5	0.099	0.083	-	16.2	20	93	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: PS&S Engineering, Inc.		**Lab Number**	: L2111103	
Project Name	: FORMER BICC CABLES SITE		**Project Number**	: 05697.0006	
Instrument ID	: PEST2		**Calibration Date**	: 03/12/21 16:57	
Lab File ID	: P2210312c-01		**Init. Calib. Date(s)**	: 03/12/21	03/12/21
Sample No	: WG1473959-1		**Init. Calib. Times**	: 15:35	16:49
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	1	1	-	0	20	100	0
2,4,5,6-Tetrachloro-m-xylen	1.129	1.06	-	6.1	20	94	0
Decachlorobiphenyl #2	0.945	0.818	-	13.4	20	94	0
1016-1 #2	0.021	0.02	-	4.8	20	96	0
1016-2 #2	0.045	0.047	-	-4.4	20	105	0
1016-3 #2	0.095	0.097	-	-2.1	20	106	0
1016-4 #2	0.038	0.038	-	0	20	106	0
1016-5 #2	0.032	0.03	-	6.3	20	101	0
1260-1 #2	0.062	0.065	-	-4.8	20	112	0
1260-2 #2	0.074	0.073	-	1.4	20	104	0
1260-3 #2	0.064	0.055	-	14.1	20	94	0
1260-4 #2	0.124	0.105	-	15.3	20	88	0
1260-5 #2	0.09	0.078	-	13.3	20	92	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103		
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006		
Instrument ID	: PEST2	**Calibration Date**	: 03/12/21 17:05		
Lab File ID	: P2210312c-02	**Init. Calib. Date(s)**	: 03/12/21	03/12/21	
Sample No	: WG1473959-2	**Init. Calib. Times**	: 15:35	16:49	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	123	0
2,4,5,6-Tetrachloro-m-xylen	1.211	1.148	-	5.2	20	100	0
Decachlorobiphenyl	1.078	1.615	-	-49.8*	20	160	0
2154_1br2nb	1	1	-	0	20	93	0
4268_1br2nb	1	1	-	0	20	104	0
1242-1	0.017	0.017	-	0	20	107	0
1242-2	0.034	0.038	-	-11.8	20	114	0
1242-3	0.079	0.08	-	-1.3	20	106	0
1242-4	0.032	0.035	-	-9.4	20	114	0
1242-5	0.027	0.023	-	14.8	20	89	0
1268-1	0.186	0.174	-	6.5	20	97	0
1268-2	0.176	0.151	-	14.2	20	89	0
1268-3	0.131	0.135	-	-3.1	20	107	0
1268-4	0.063	0.058	-	7.9	20	97	0
1268-5	0.4	0.394	-	1.5	20	103	0
1248_1br2nb	1	1	-	0	20	90	0
3262_1br2nb	1	1	-	0	20	94	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103		
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006		
Instrument ID	: PEST2	**Calibration Date**	: 03/12/21 17:05		
Lab File ID	: P2210312c-02	**Init. Calib. Date(s)**	: 03/12/21	03/12/21	
Sample No	: WG1473959-2	**Init. Calib. Times**	: 15:35	16:49	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	93	0
2,4,5,6-Tetrachloro-m-xyl	1.129	1.15	-	-1.9	20	95	0
Decachlorobiphenyl	0.945	1.443	-	-52.7*	20	155	0
2154_1br2nb	1	1	-	0	20	95	0
4268_1br2nb	1	1	-	0	20	94	0
1242-1	0.016	0.017	-	-6.3	20	99	0
1242-2	0.037	0.039	-	-5.4	20	99	0
1242-3	0.074	0.079	-	-6.8	20	100	0
1242-4	0.03	0.031	-	-3.3	20	98	0
1242-5	0.027	0.026	-	3.7	20	91	0
1268-1	0.166	0.168	-	-1.2	20	96	0
1268-2	0.158	0.15	-	5.1	20	90	0
1268-3	0.117	0.127	-	-8.5	20	102	0
1268-4	0.052	0.052	-	0	20	94	0
1268-5	0.335	0.362	-	-8.1	20	102	0
1248_1br2nb	1	1	-	0	20	85	0
3262_1br2nb	1	1	-	0	20	94	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   9:48 am
Operator : pest2:cw
Sample   : wg1473696-1,42e,,+1660 pp10305 lvi (Sig #1); +1660 pp10305 lvi (Sig #2)
Misc   : wg1473696,,ical17506
ALS Vial : 6 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:05:24 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	1.000	1.000	0.0	70	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	1.114	1.839	-65.1#	114	0.00
3	s	Decachlorobiphenyl	0.988	0.793	19.7	57	-0.02
4	l1	1016-1	0.020	0.032	-60.0#	115	0.00
5	l1	1016-2	0.046	0.070	-52.2#	108	0.00
6	l1	1016-3	0.092	0.142	-54.3#	108	-0.01
7	l1	1016-4	0.038	0.058	-52.6#	109	-0.01
8	l1	1016-5	0.039	0.059	-51.3#	108	-0.01
9	l2	1260-1	0.061	0.078	-27.9#	93	-0.02
10	l2	1260-2	0.094	0.114	-21.3#	87	-0.02
11	l2	1260-3	0.062	0.065	-4.8	76	-0.02
12	l2	1260-4	0.128	0.125	2.3	68	-0.02
13	l2	1260-5	0.091	0.081	11.0	64	-0.02
52	i	1660_1br2nb #2	1.000	1.000	0.0	85	0.00
53	s	2,4,5,6-Tetrachloro-m-xylen	1.156	1.631	-41.1#	122	0.00
54	s	Decachlorobiphenyl #2	0.959	0.890	7.2	85	-0.03
55	l1	1016-1 #2	0.022	0.031	-40.9#	124	-0.01
56	l1	1016-2 #2	0.048	0.068	-41.7#	121	-0.01
57	l1	1016-3 #2	0.095	0.131	-37.9#	120	-0.01
58	l1	1016-4 #2	0.039	0.054	-38.5#	124	-0.01
59	l1	1016-5 #2	0.031	0.043	-38.7#	123	-0.01
60	l2	1260-1 #2	0.063	0.079	-25.4#	113	-0.02
61	l2	1260-2 #2	0.074	0.088	-18.9	104	-0.02
62	l2	1260-3 #2	0.060	0.064	-6.7	95	-0.02
63	l2	1260-4 #2	0.123	0.130	-5.7	91	-0.02
64	l2	1260-5 #2	0.087	0.092	-5.7	94	-0.02

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   9:48 am
Operator : pest2:cw
Sample   : wg1473696-1,42e,,+1660 pp10305 lvi (Sig #1); +1660 pp10305 lvi (Sig #2)
Misc   : wg1473696,,ical17506
ALS Vial : 6 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:05:24 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 9:48 am
Operator : pest2:cw
Sample : wg1473696-1,42e,,+1660 pp10305 lvi (Sig #1); +1660 pp10305 lvi (Sig #2)
Misc : wg1473696,,ical17506
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:05:24 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.160	1.229	145.5E6	45687335	25.000M4	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.448	1.609	171.3E6	47693911	26.414M1	22.586
Spiked Amount 20.000	Range 30 - 150		Recovery =		132.07%	112.93%
3) s Decachlorobi	4.024	4.554	147.7E6	52021590	25.683	29.694
Spiked Amount 20.000	Range 30 - 150		Recovery =		128.41%	148.47%
Target Compounds						
4) l1 1016-1	1.587	1.812	46883881	14245311	399.416M3	361.301
5) l1 1016-2	1.730	1.985	101.5E6	31008291	375.502M4	354.819
6) l1 1016-3	1.919	2.188	207.2E6	59873992	387.489	345.477
7) l1 1016-4	1.974	2.248	84713173	24679836	386.411	346.890
8) l1 1016-5	2.145	2.460	85687205	19755737	376.871	353.617
Sum 1016-1			525.9E6	149.6E6	1925.689	1762.104
Average 1016-1					385.138	352.421
9) l2 1260-1	2.689f	3.073f	113.6E6	36267762	319.978M4	317.446
10) l2 1260-2	2.820f	3.175f	165.8E6	39982827	302.109M2	293.735
11) l2 1260-3	3.136f	3.569f	94451251	29356264	263.605	268.892M4
12) l2 1260-4	3.292f	3.699f	182.4E6	59195898	244.039	263.049M4
13) l2 1260-5	3.440f	3.902f	118.4E6	42197186	223.808M1	265.596M4
Sum 1260-1			674.6E6	207.0E6	1353.539	1408.717
Average 1260-1					270.708	281.743
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 9:48 am
Operator : pest2:cw
Sample : wg1473696-1,42e,,+1660 pp10305 lvi (Sig #1); +1660 pp10305 lvi (Sig #2)
Misc : wg1473696,,ical17506
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:05:24 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

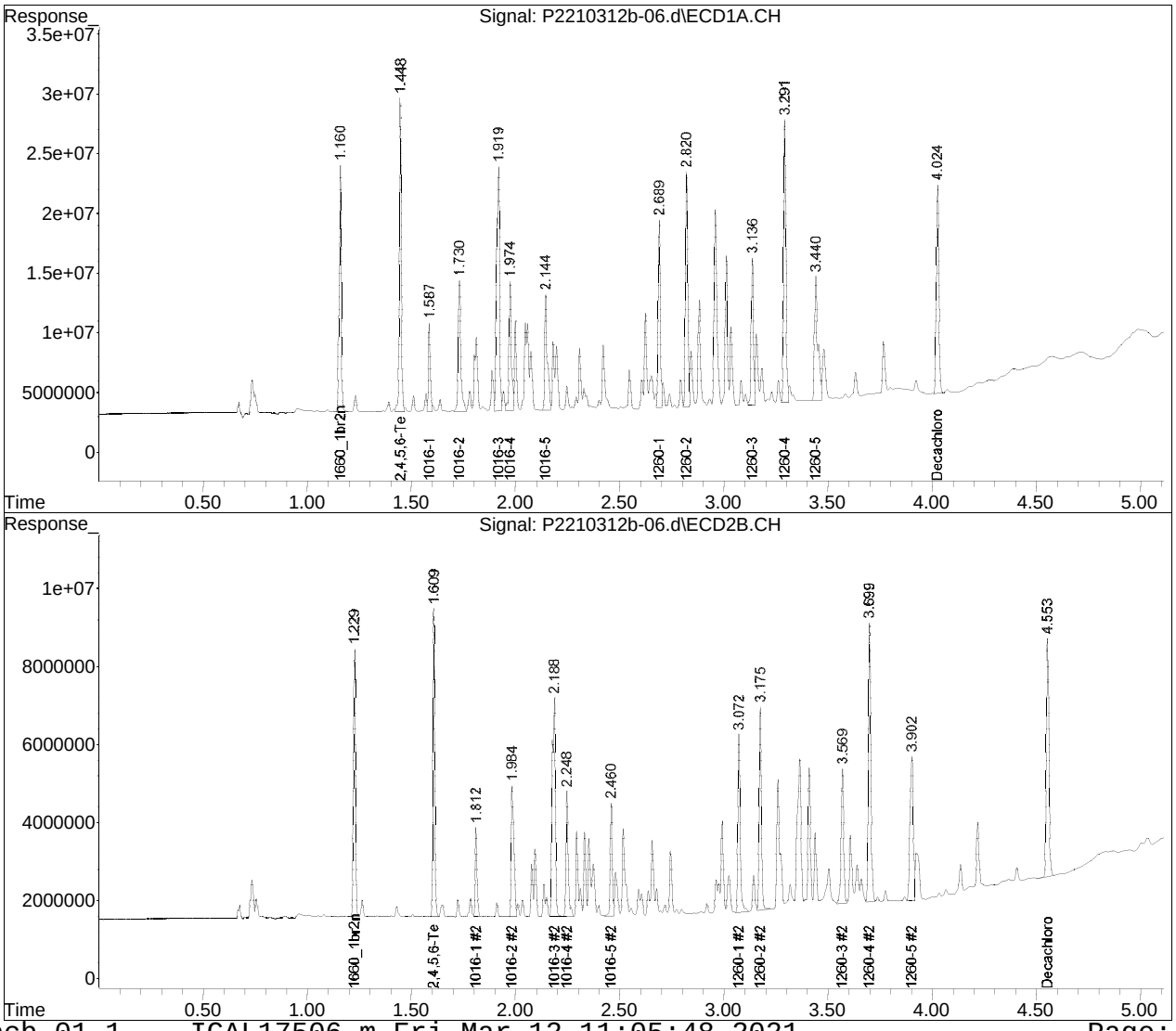
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660ation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 9:48 am
Operator : pest2:cw
Sample : wg1473696-1,42e,,+1660 pp10305 lvi (Sig #1); +1660 pp10305 lvi (Si
Misc : wg1473696,,ical17506
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:05:24 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

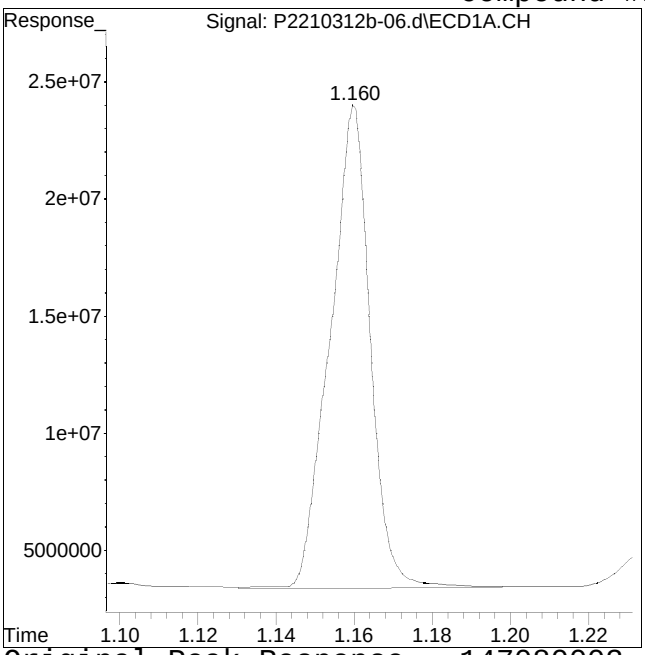
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

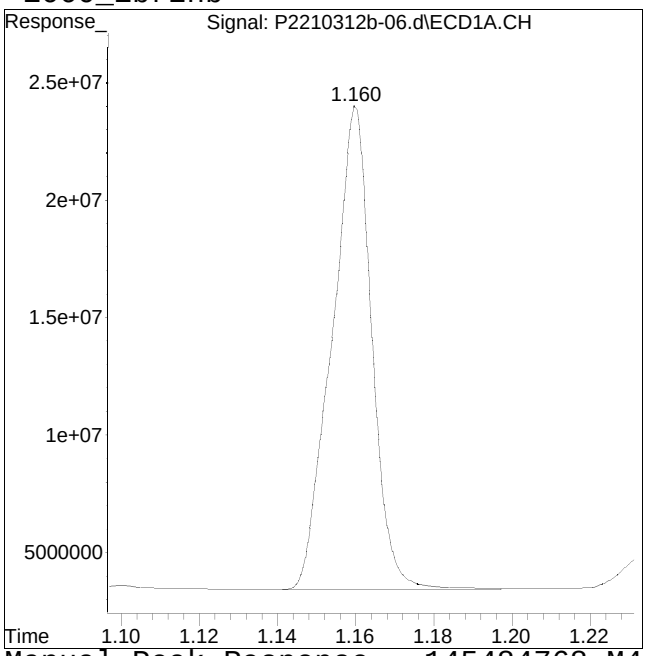


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-06.d Operator : pest2:cw
Date Inj'd : 3/12/2021 9:48 am Instrument : PEST 2
Sample : wg1473696-1,42e,,+1660 pp1Quant Date : 3/12/2021 9:54 am

Compound #1: 1660_1br2nb



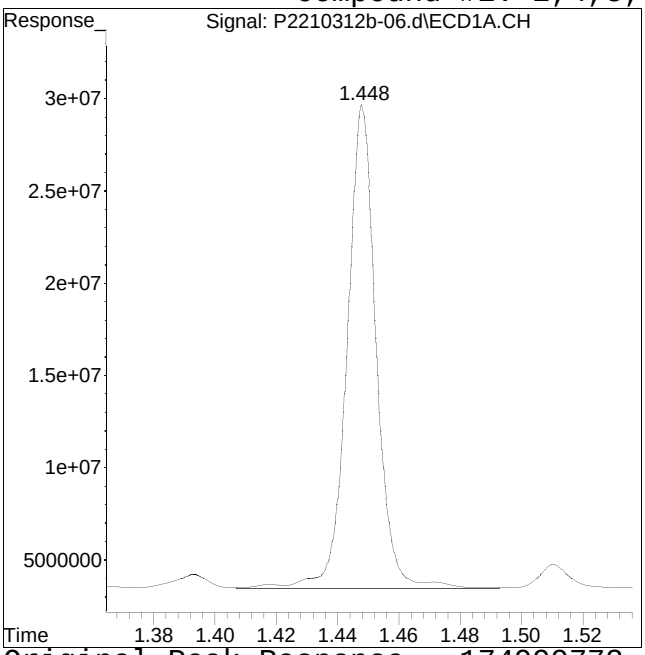


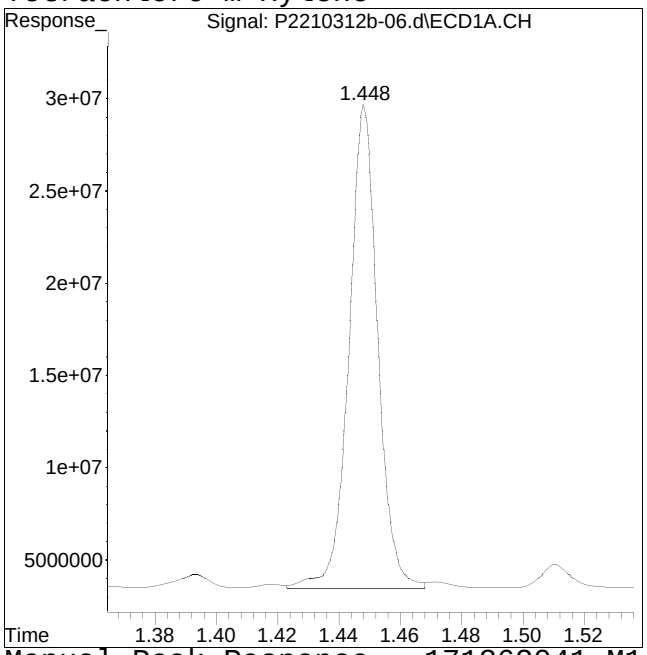
Original Peak Response = 147080003 Manual Peak Response = 145484768 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-06.d Operator : pest2:cw
Date Inj'd : 3/12/2021 9:48 am Instrument : PEST 2
Sample : wg1473696-1,42e,,+1660 pp1Quant Date : 3/12/2021 9:54 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



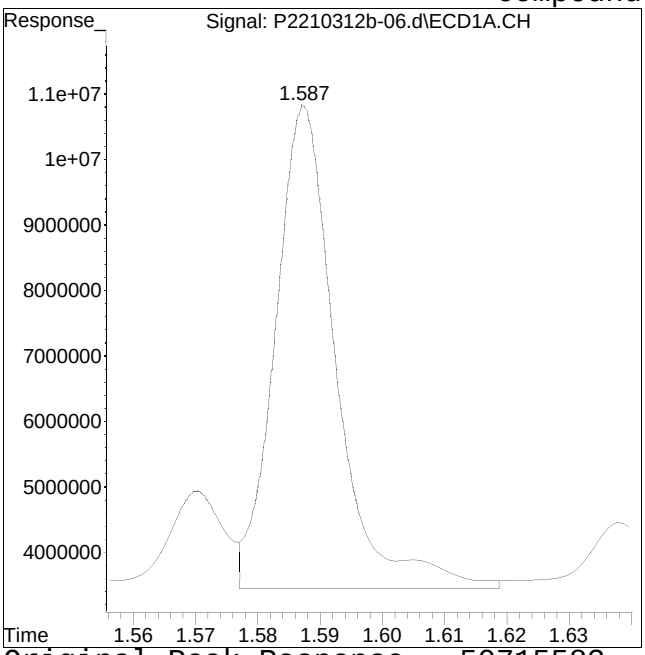


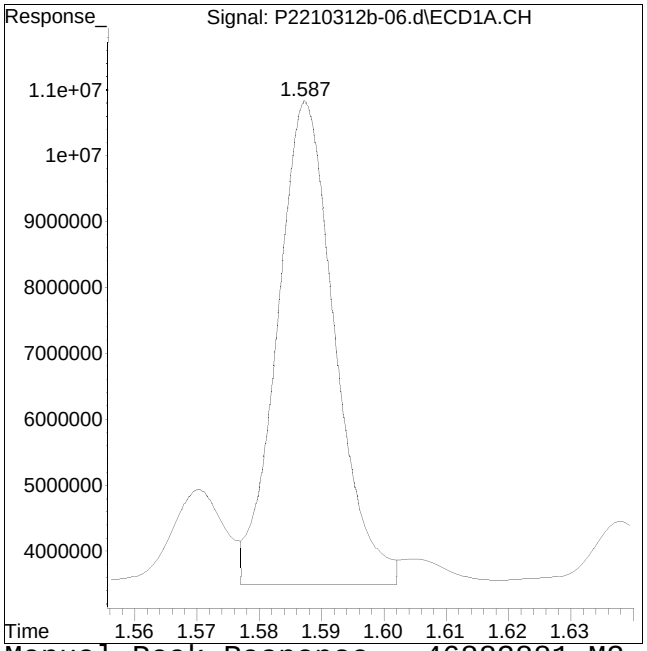
Original Peak Response = 174999773 Manual Peak Response = 171262041 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-06.d Operator : pest2:cw
Date Inj'd : 3/12/2021 9:48 am Instrument : PEST 2
Sample : wg1473696-1,42e,,+1660 pp1Quant Date : 3/12/2021 9:54 am

Compound #4: 1016-1



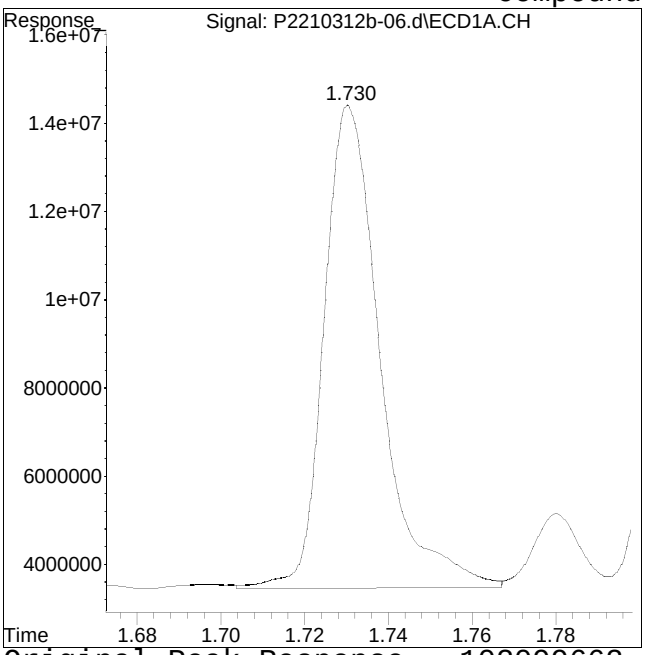


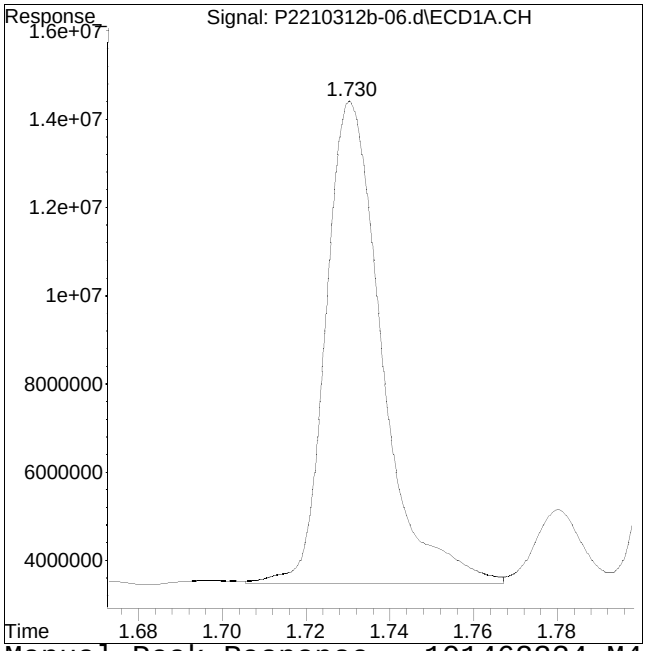
Original Peak Response = 50715583 Manual Peak Response = 46883881 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-06.d Operator : pest2:cw
Date Inj'd : 3/12/2021 9:48 am Instrument : PEST 2
Sample : wg1473696-1,42e,,+1660 pp1Quant Date : 3/12/2021 9:54 am

Compound #5: 1016-2



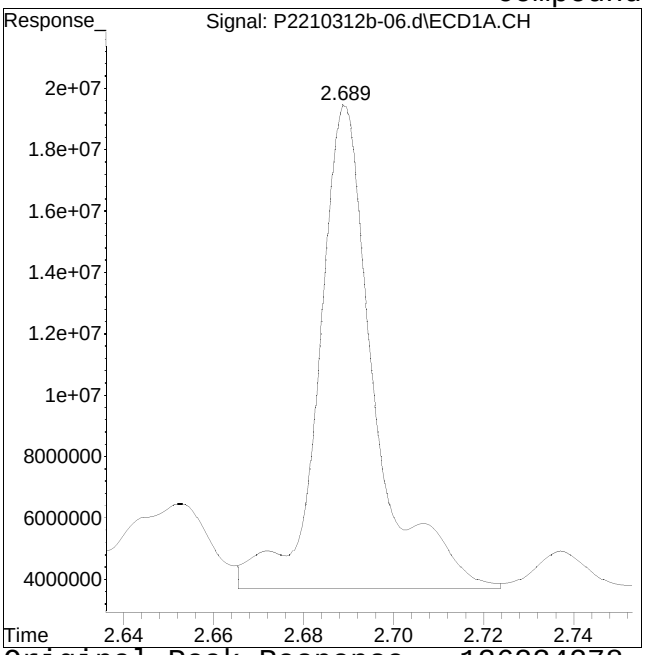


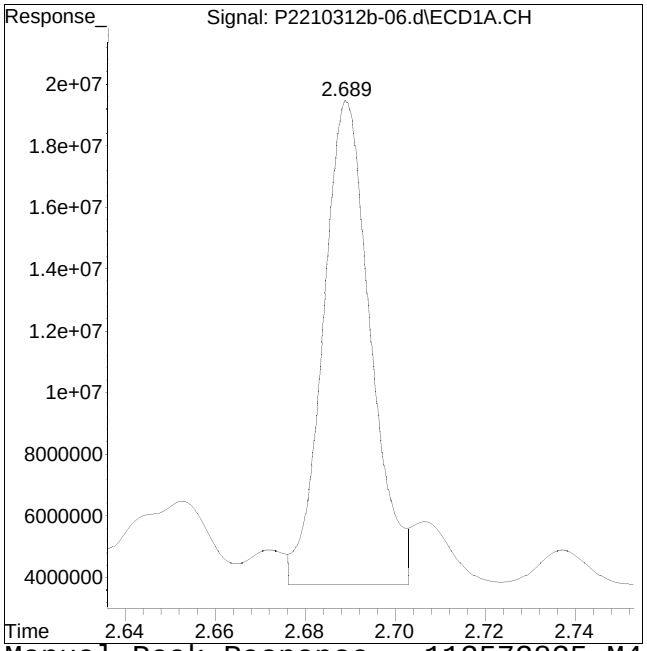
Original Peak Response = 102099662 Manual Peak Response = 101462324 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-06.d Operator : pest2:cw
Date Inj'd : 3/12/2021 9:48 am Instrument : PEST 2
Sample : wg1473696-1,42e,,+1660 pp1Quant Date : 3/12/2021 9:54 am

Compound #9: 1260-1



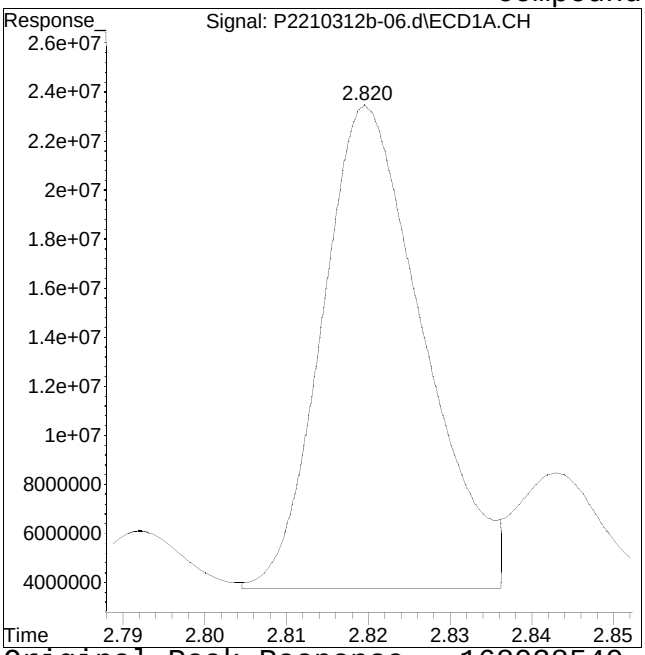


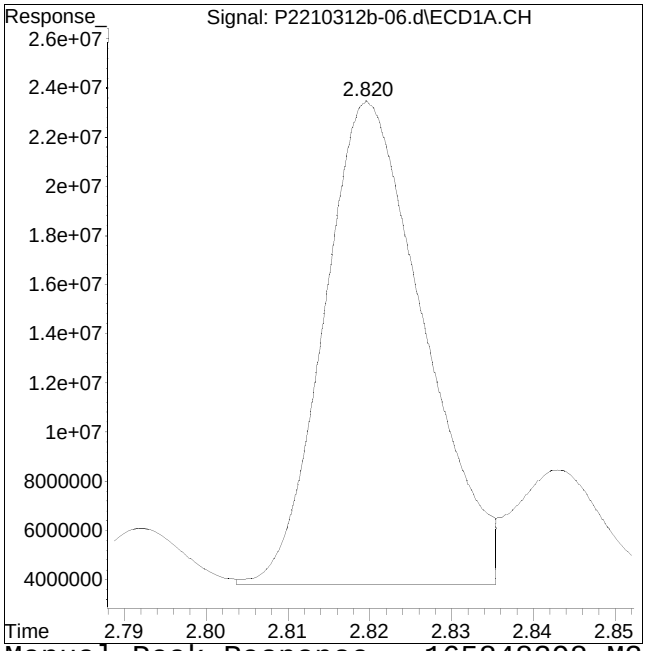
Original Peak Response = 136234278 Manual Peak Response = 113573835 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-06.d Operator : pest2:cw
Date Inj'd : 3/12/2021 9:48 am Instrument : PEST 2
Sample : wg1473696-1,42e,,+1660 pp1Quant Date : 3/12/2021 9:54 am

Compound #10: 1260-2



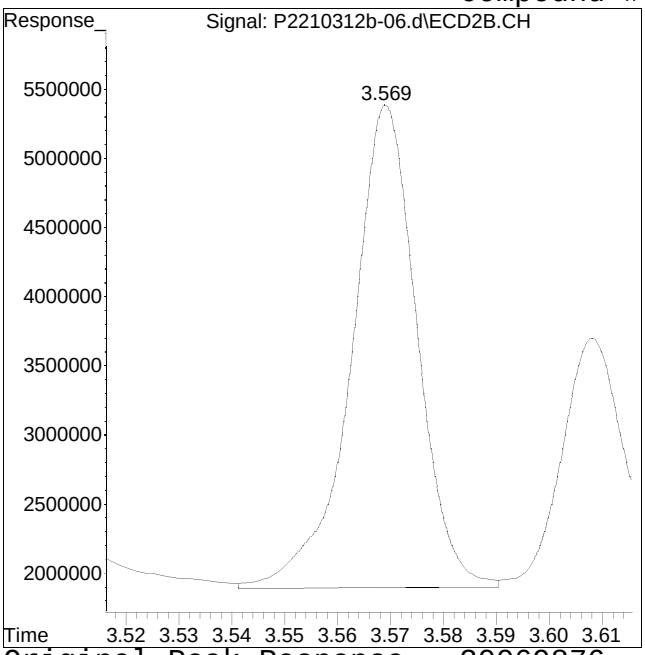


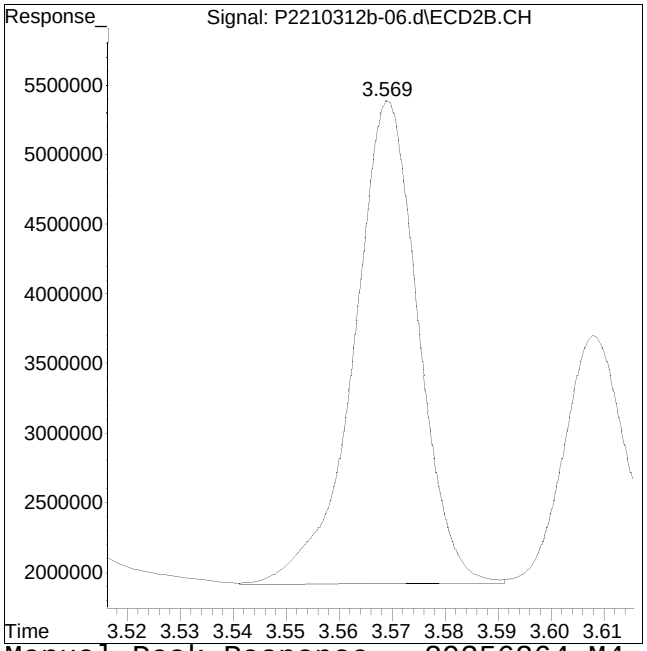
Original Peak Response = 168038540 Manual Peak Response = 165848298 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-06.d Operator : pest2:cw
Date Inj'd : 3/12/2021 9:48 am Instrument : PEST 2
Sample : wg1473696-1,42e,,+1660 pp1Quant Date : 3/12/2021 9:54 am

Compound #62: 1260-3 #2



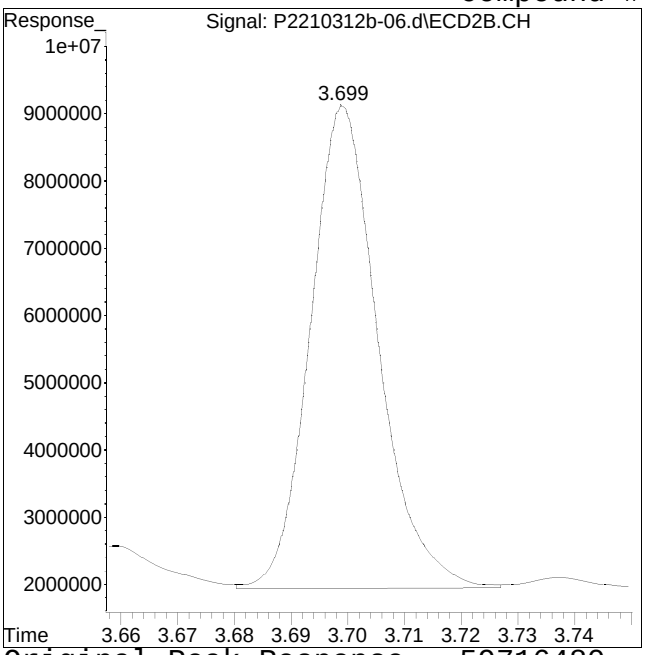


Original Peak Response = 30069876 Manual Peak Response = 29356264 M4
M4 = Poor automated baseline construction.

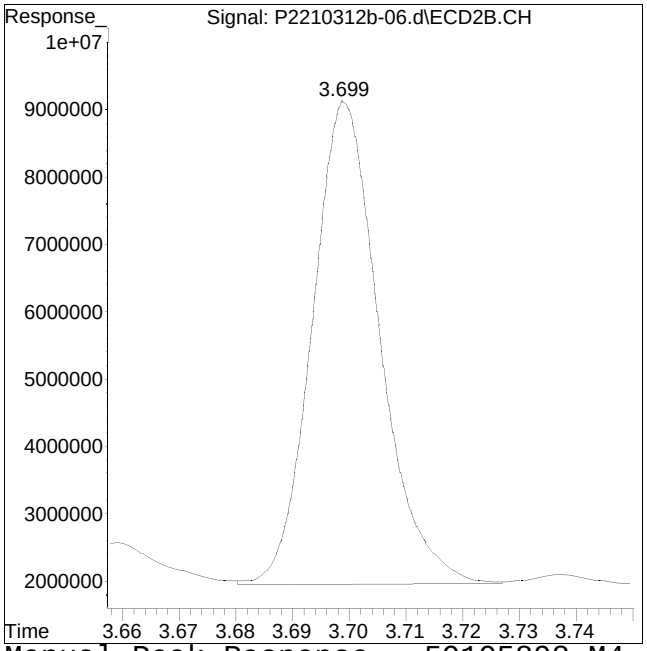
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-06.d Operator : pest2:cw
Date Inj'd : 3/12/2021 9:48 am Instrument : PEST 2
Sample : wg1473696-1,42e,,+1660 pp1Quant Date : 3/12/2021 9:54 am

Compound #63: 1260-4 #2



Original Peak Response = 59716480



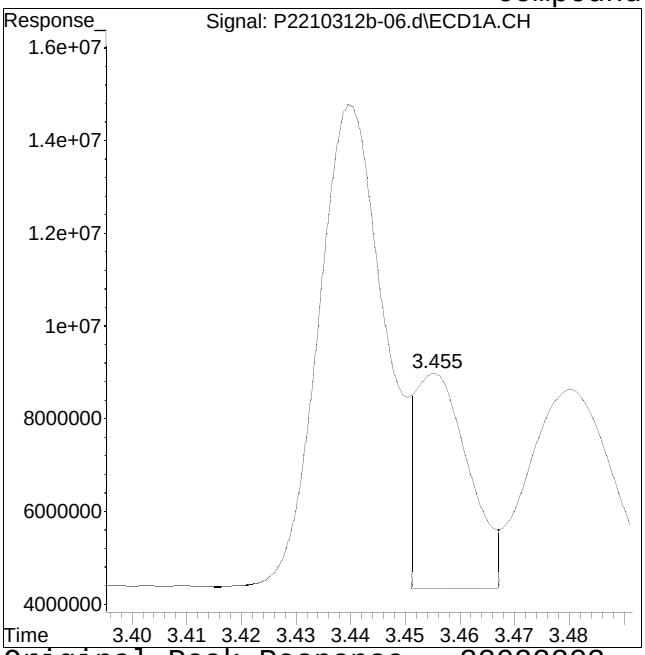
Manual Peak Response = 59195898 M4

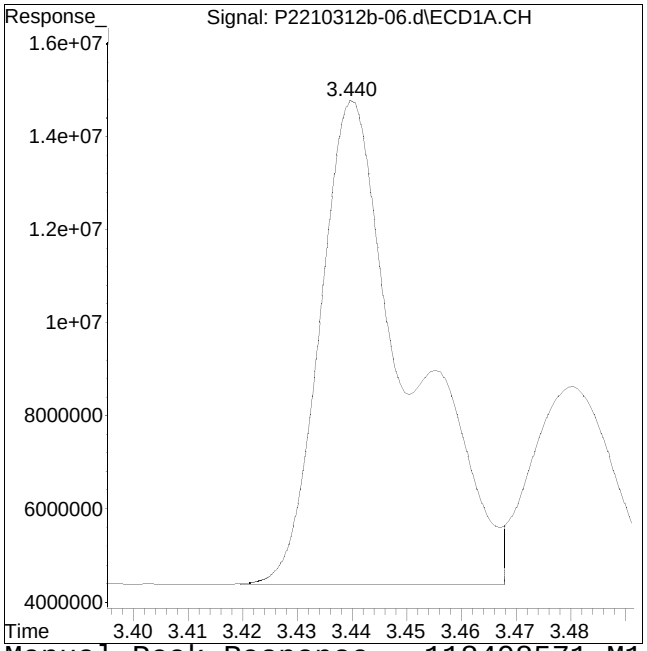
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-06.d Operator : pest2:cw
Date Inj'd : 3/12/2021 9:48 am Instrument : PEST 2
Sample : wg1473696-1,42e,,+1660 pp1Quant Date : 3/12/2021 9:54 am

Compound #13: 1260-5



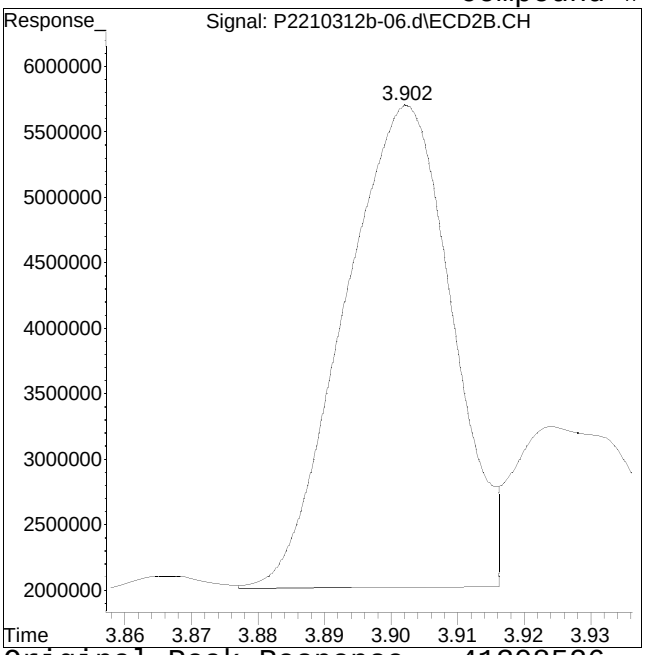


Original Peak Response = 32022223 Manual Peak Response = 118408571 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

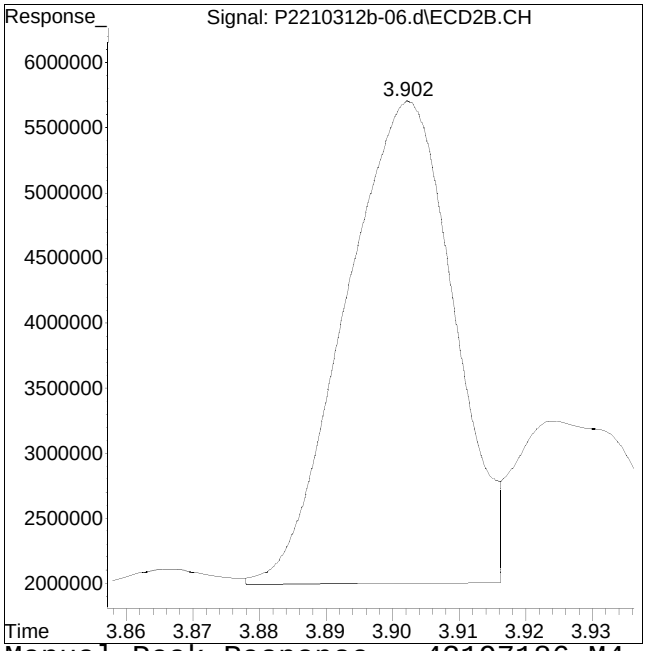
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-06.d Operator : pest2:cw
Date Inj'd : 3/12/2021 9:48 am Instrument : PEST 2
Sample : wg1473696-1,42e,,+1660 pp1Quant Date : 3/12/2021 9:54 am

Compound #64: 1260-5 #2



Original Peak Response = 41308526



Manual Peak Response = 42197186 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-01.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:57 pm
Operator : pest2:jm
Sample : wg1473959-1,42,,cicv1660,42e,,10255 lvi (Sig #1); cicv1660,42e,,10255 lvi (Sig #2)
Misc : wg1473959,,ical17720
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 07:08:33 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	1.000	1.000	0.0	132	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	1.211	1.050	13.3	98	0.00
3	s	Decachlorobiphenyl	1.078	0.920	14.7	98	0.00
4	l1	1016-1	0.021	0.019	9.5	104	0.00
5	l1	1016-2	0.043	0.047	-9.3	142	0.00
6	l1	1016-3	0.094	0.098	-4.3	114	0.00
7	l1	1016-4	0.037	0.041	-10.8	120	0.00
8	l1	1016-5	0.041	0.041	0.0	109	0.00
9	l2	1260-1	0.063	0.066	-4.8	109	0.00
10	l2	1260-2	0.094	0.092	2.1	108	0.00
11	l2	1260-3	0.058	0.047	19.0	86	0.00
12	l2	1260-4	0.132	0.108	18.2	94	0.00
13	l2	1260-5	0.099	0.083	16.2	93	0.00
52	i	1660_1br2nb #2	1.000	1.000	0.0	100	0.00
53	s	2,4,5,6-Tetrachloro-m-xylen	1.129	1.060	6.1	94	0.00
54	s	Decachlorobiphenyl #2	0.945	0.818	13.4	94	0.00
55	l1	1016-1 #2	0.021	0.020	4.8	96	0.00
56	l1	1016-2 #2	0.045	0.047	-4.4	105	0.00
57	l1	1016-3 #2	0.095	0.097	-2.1	106	0.00
58	l1	1016-4 #2	0.038	0.038	0.0	106	0.00
59	l1	1016-5 #2	0.032	0.030	6.3	101	0.00
60	l2	1260-1 #2	0.062	0.065	-4.8	112	0.00
61	l2	1260-2 #2	0.074	0.073	1.4	104	0.00
62	l2	1260-3 #2	0.064	0.055	14.1	94	0.00
63	l2	1260-4 #2	0.124	0.105	15.3	88	0.00
64	l2	1260-5 #2	0.090	0.078	13.3	92	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-01.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   4:57 pm
Operator : pest2:jm
Sample   : wg1473959-1,42,,cicv1660,42e,,10255 lvi (Sig #1); cicv1660,42e,,10255 lvi (Sig #2)
Misc   : wg1473959,,ical17720
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 07:08:33 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-01.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:57 pm
Operator : pest2:jm
Sample : wg1473959-1,42,,cicv1660,42e,,10255 lvi (Sig #1); cicv1660,42e,,10255 lvi (Sig #2)
Misc : wg1473959,,ical17720
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 07:08:33 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.153	1.223	186.8E6	55987551	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.442	1.605	125.5E6	37980894	13.873	15.024
	Spiked Amount	20.000	Range 30 - 150		Recovery =	69.36%	75.12%
3) s	Decachlorobi	4.024	4.554	219.9E6	58653268	27.301M4	27.718
	Spiked Amount	20.000	Range 30 - 150		Recovery =	136.51%	138.59%
	Target Compounds						
4) l1	1016-1	1.583	1.809	35739782	11256987	229.949M3	237.515
5) l1	1016-2	1.725	1.982	87505081	26549320	269.889M1	260.887M4
6) l1	1016-3	1.916	2.186	182.8E6	54329184	259.576	255.178
7) l1	1016-4	1.971	2.247	75728762	21517409	270.786M4	251.801
8) l1	1016-5	2.142	2.460	76617511	16866098	247.624	237.174
	Sum 1016-1			458.4E6	130.5E6	1277.823	1242.555
Average	1016-1					255.565	248.511
9) l2	1260-1	2.688	3.072	122.7E6	36555471	261.550M4	261.512M4
10) l2	1260-2	2.818	3.175	172.7E6	41011314	246.428M4	248.941M4
11) l2	1260-3	3.135	3.570	88010217	30699189	202.984M4	213.183M4
12) l2	1260-4	3.291	3.699	201.7E6	58637355	205.214M4	211.082M4
13) l2	1260-5	3.439	3.903	154.1E6	43920873	208.943M1	217.409
	Sum 1260-1			739.3E6	210.8E6	1125.119	1152.128
Average	1260-1					225.024	230.426
	Sum 1221-2			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-01.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:57 pm
Operator : pest2:jm
Sample : wg1473959-1,42,,cicv1660,42e,,10255 lvi (Sig #1); cicv1660,42e,,10255 lvi (Sig #2)
Misc : wg1473959,,ical17720
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 07:08:33 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

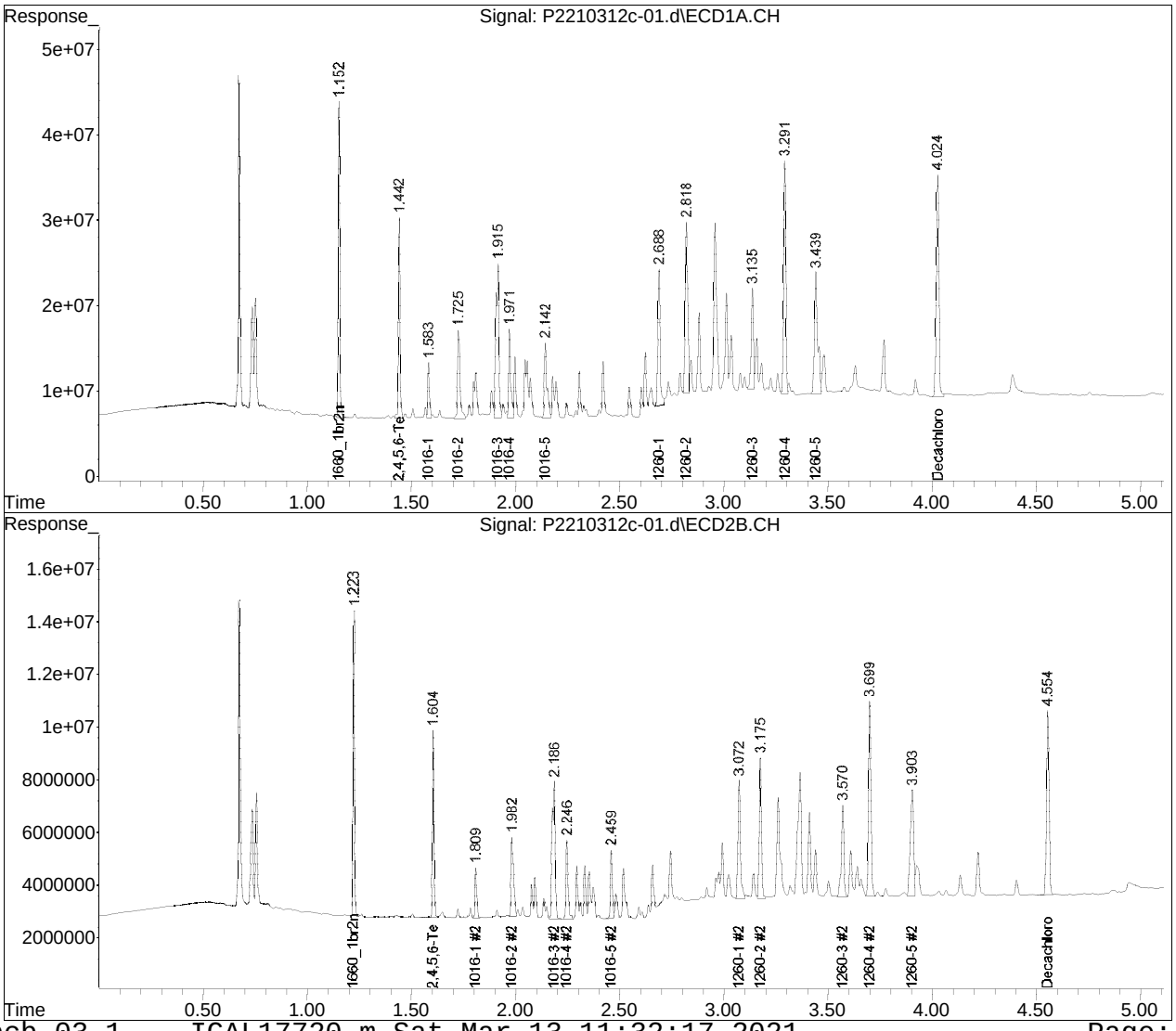
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660ation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-01.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 4:57 pm
Operator : pest2:jm
Sample : wg1473959-1,42,,cicv1660,42e,,10255 lvi (Sig #1); cicv1660,42e,,10
Misc : wg1473959,,ical17720
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 07:08:33 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

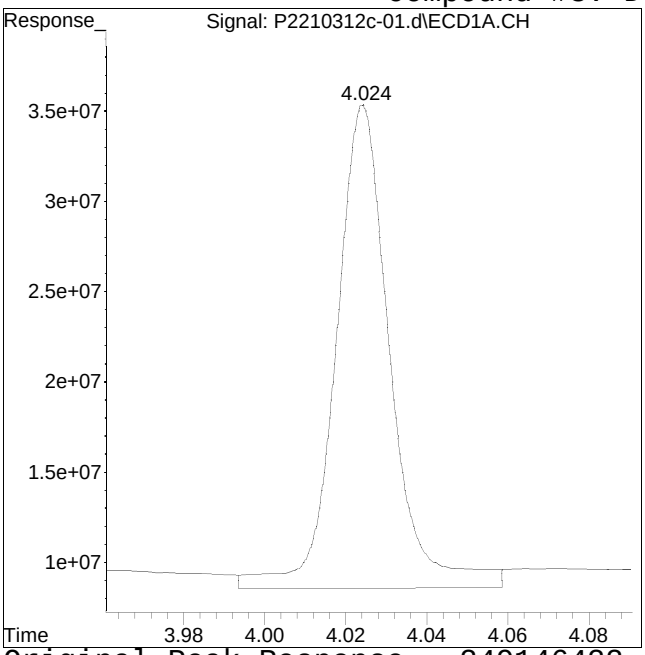
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

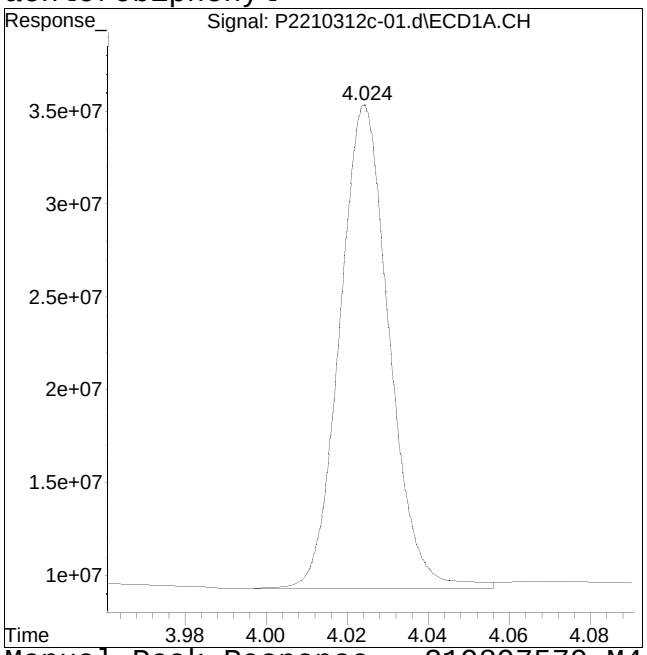


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #3: Decachlorobiphenyl



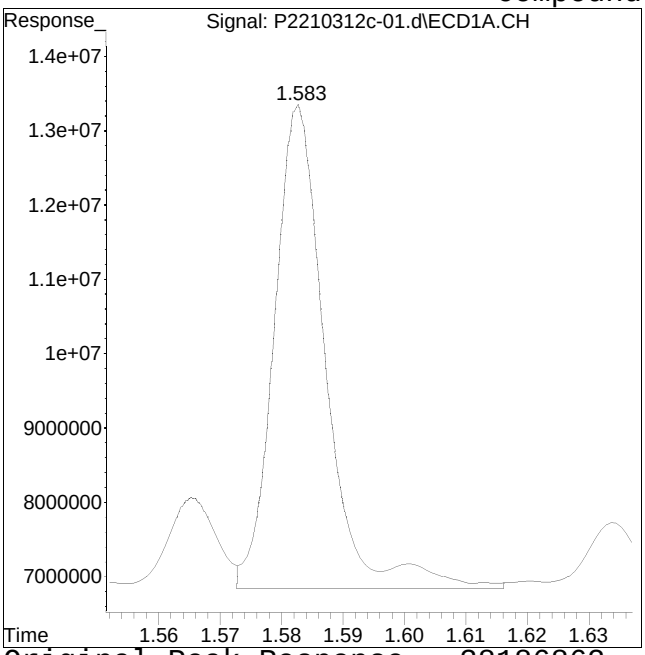


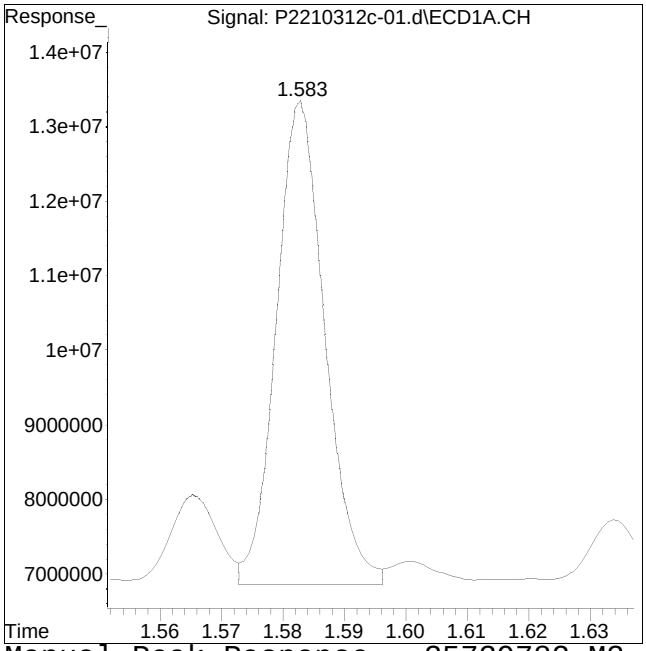
Original Peak Response = 249146422 Manual Peak Response = 219897570 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #4: 1016-1



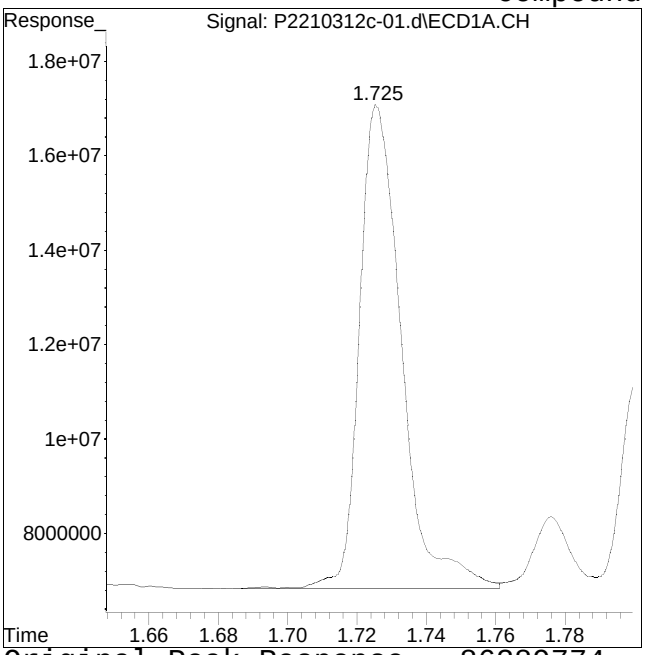


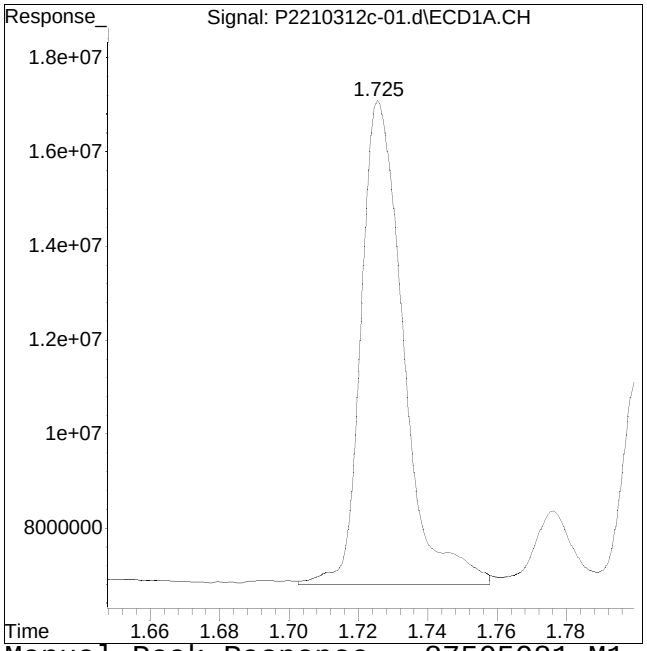
Original Peak Response = 38186862 Manual Peak Response = 35739782 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #5: 1016-2



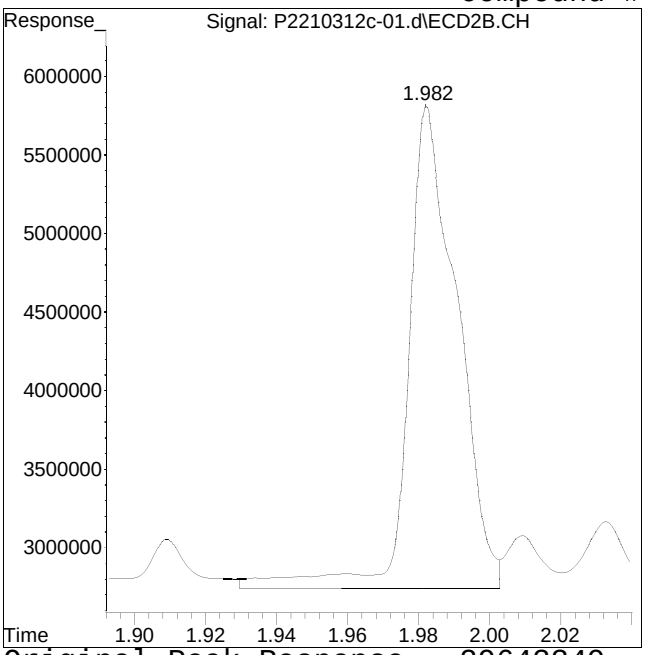


Original Peak Response = 86389774 Manual Peak Response = 87505081 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

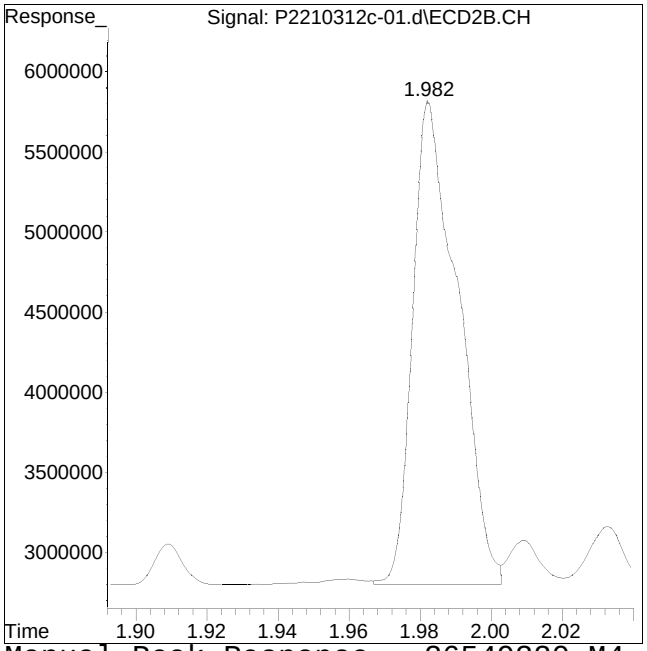
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #56: 1016-2 #2



Original Peak Response = 29643349



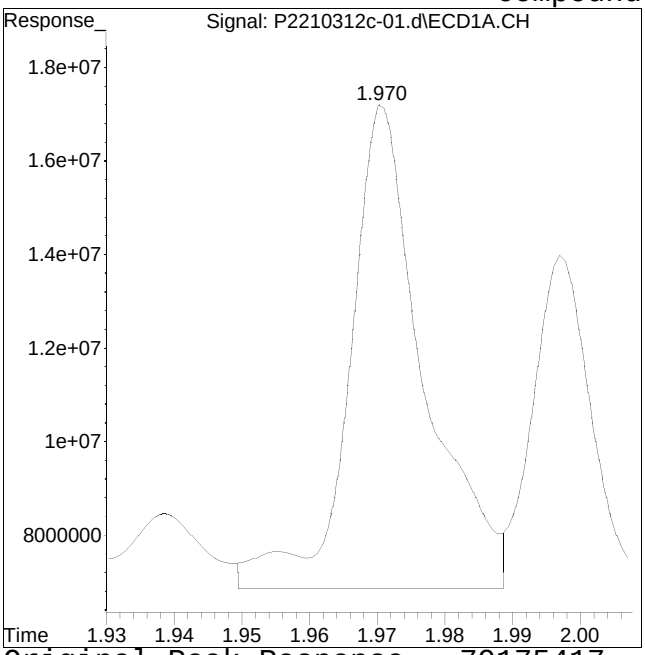
Manual Peak Response = 26549320 M4

M4 = Poor automated baseline construction.

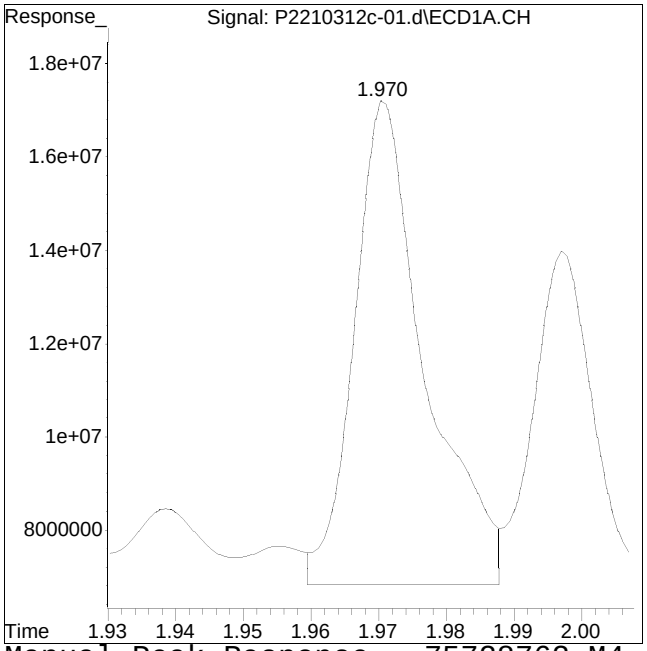
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #7: 1016-4



Original Peak Response = 79175417



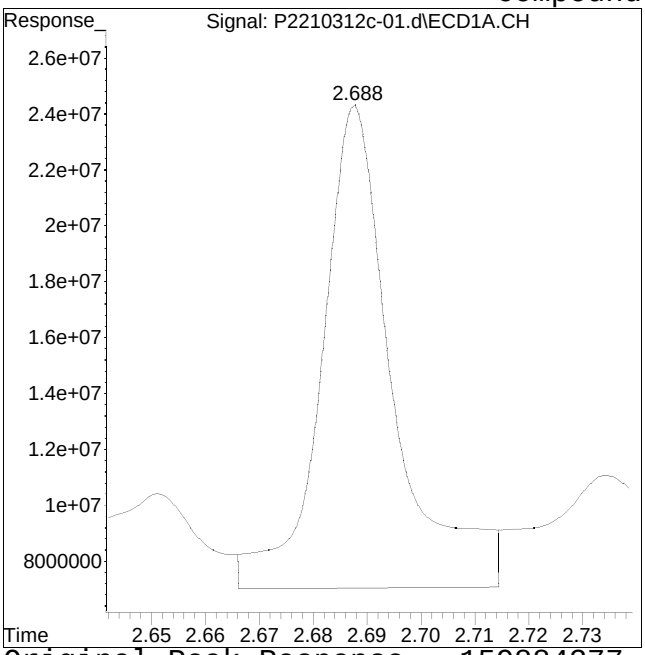
Manual Peak Response = 75728762 M4

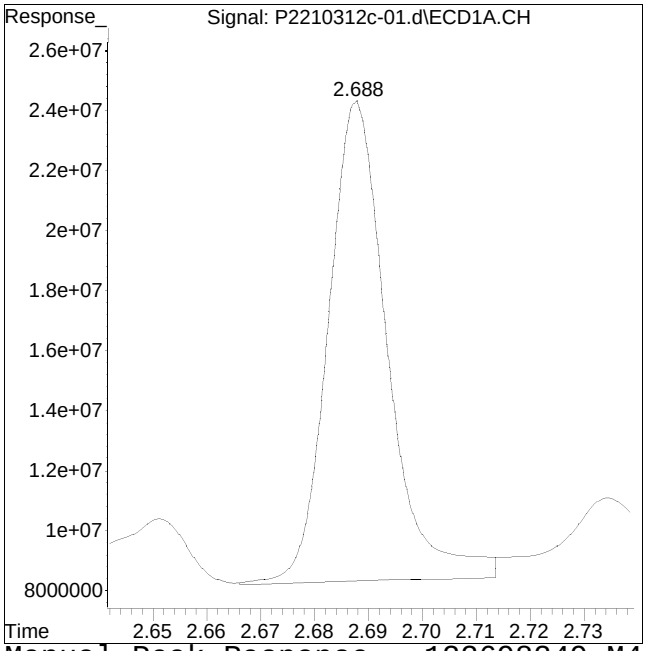
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #9: 1260-1



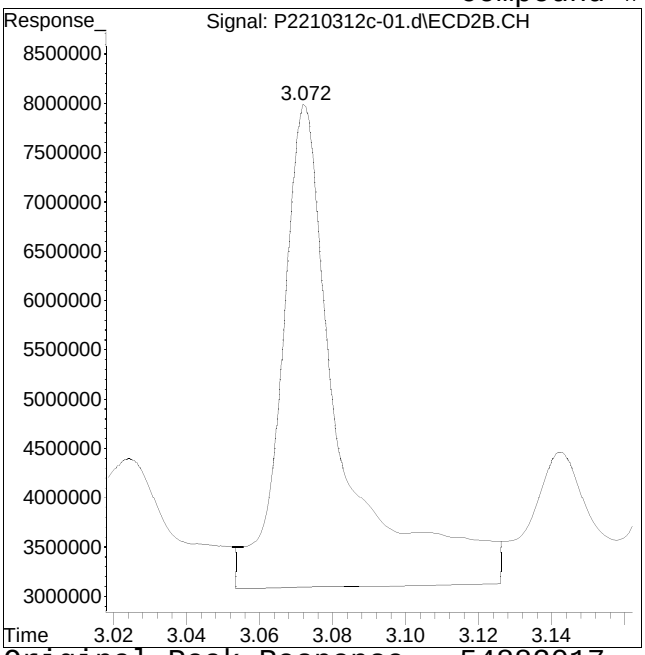


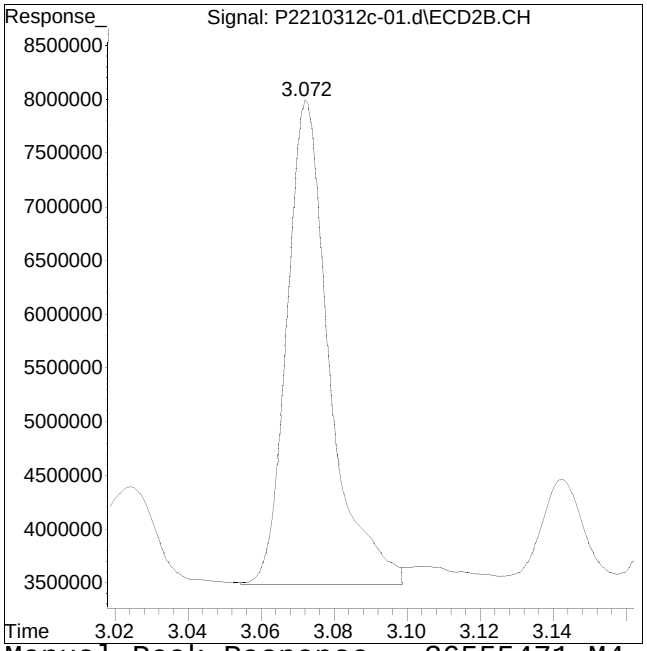
Original Peak Response = 159884377 Manual Peak Response = 122698249 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #60: 1260-1 #2



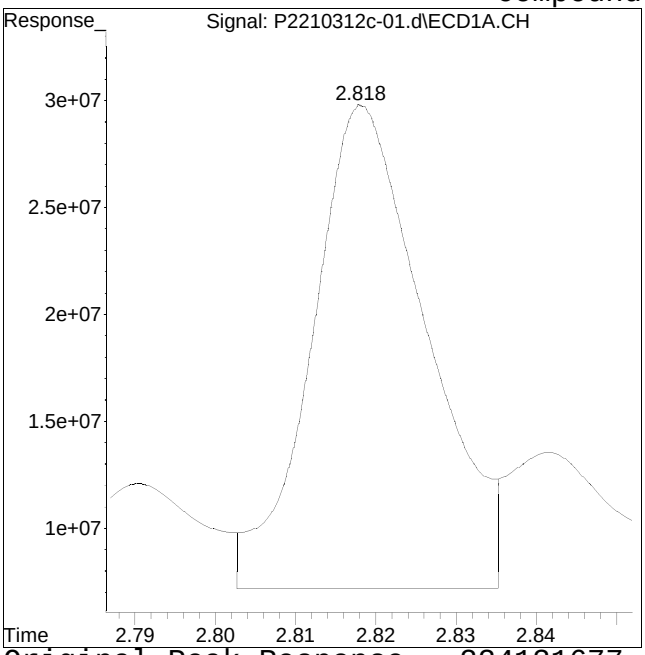


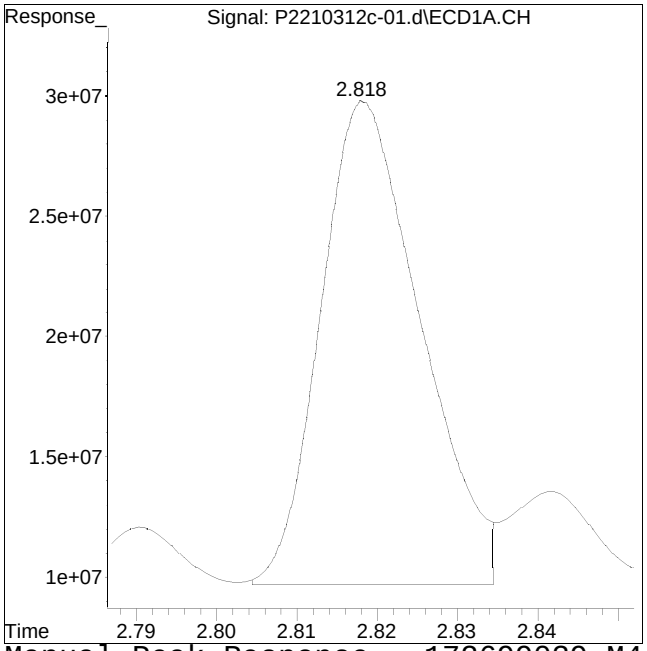
Original Peak Response = 54882017 Manual Peak Response = 36555471 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #10: 1260-2



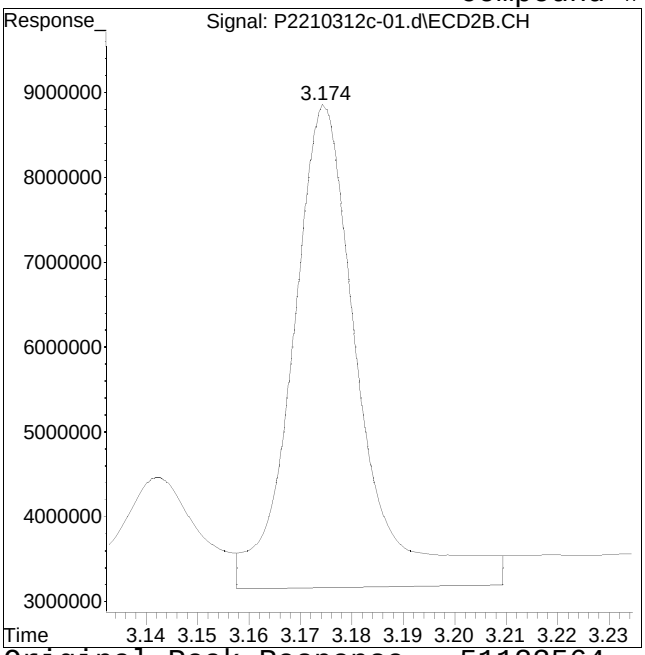


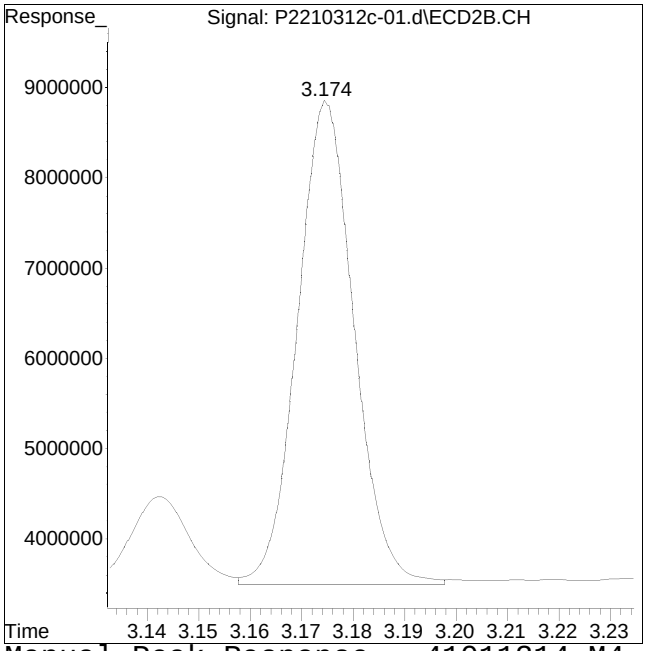
Original Peak Response = 224131677 Manual Peak Response = 172699039 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #61: 1260-2 #2



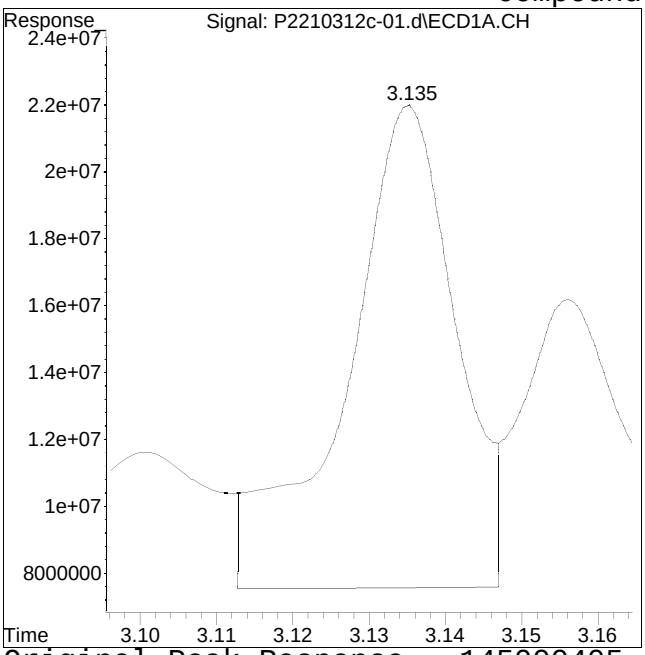


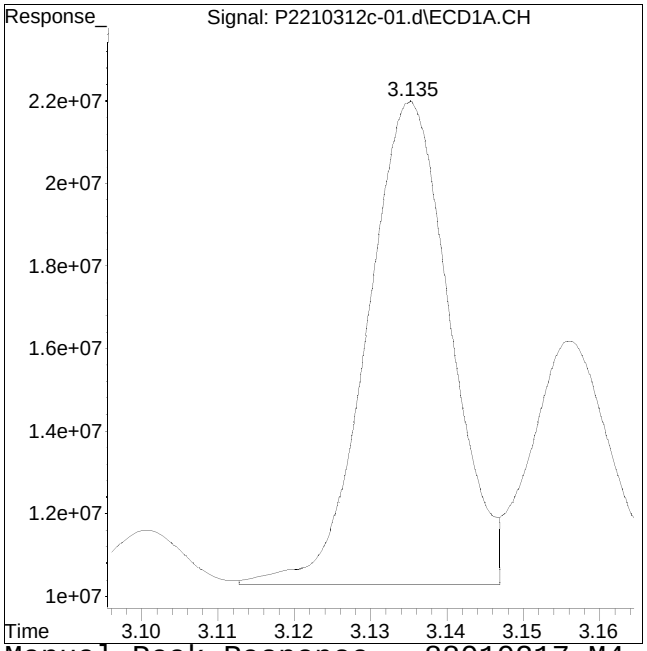
Original Peak Response = 51123564 Manual Peak Response = 41011314 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #11: 1260-3



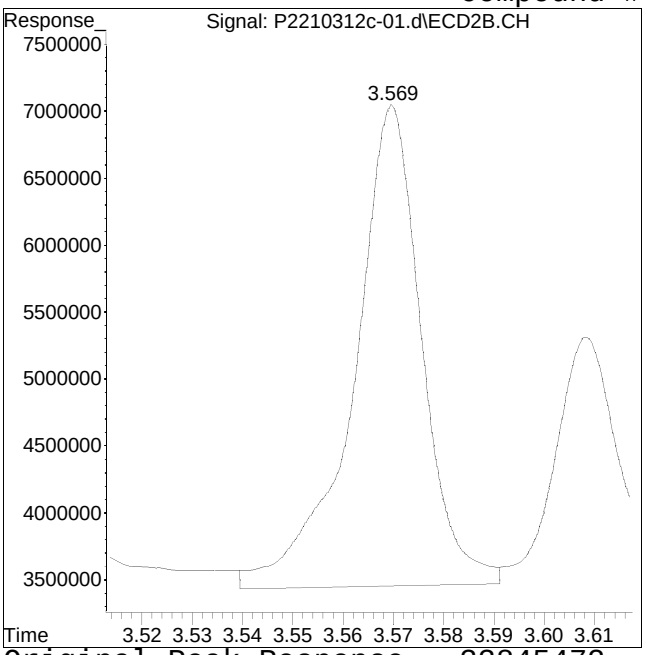


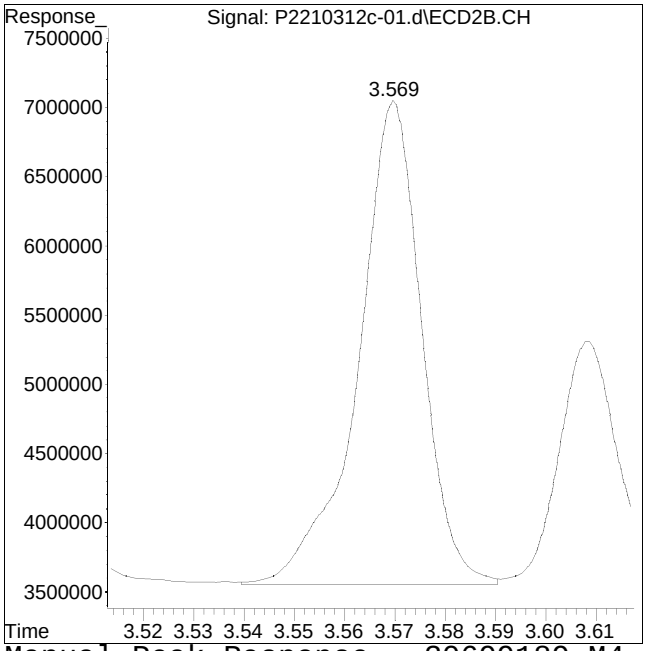
Original Peak Response = 145000405 Manual Peak Response = 88010217 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #62: 1260-3 #2



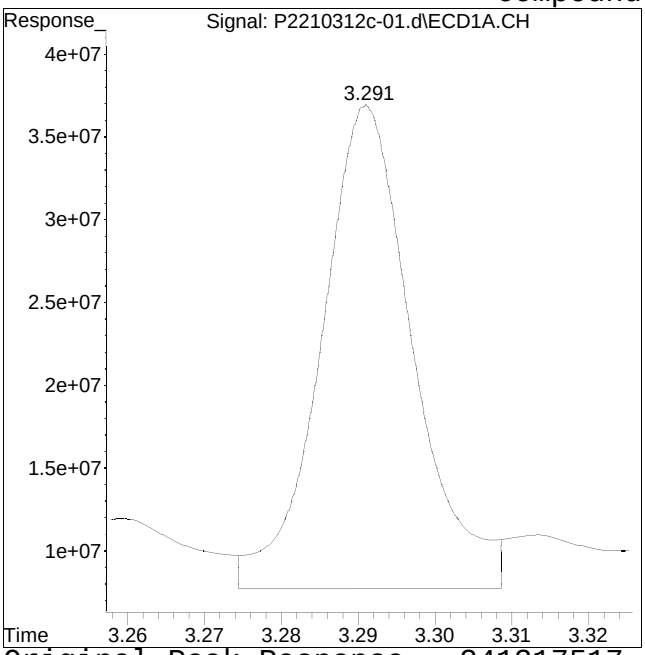


Original Peak Response = 33845472 Manual Peak Response = 30699189 M4
M4 = Poor automated baseline construction.

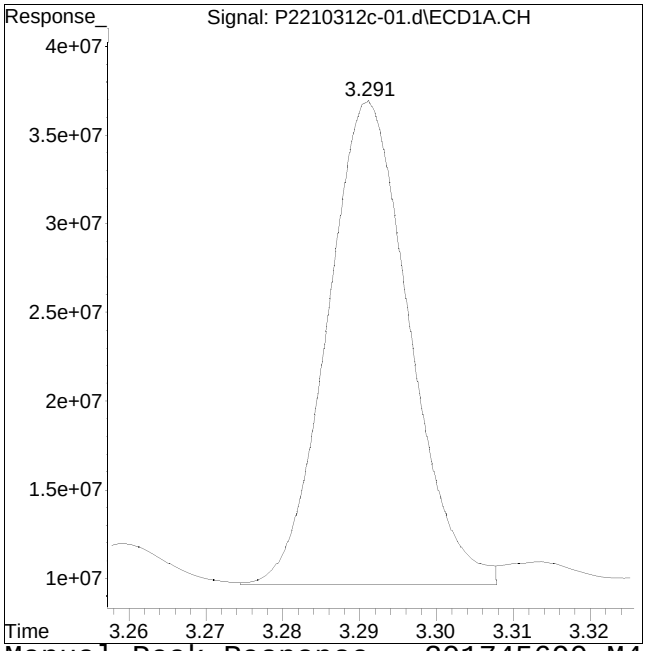
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #12: 1260-4



Original Peak Response = 241317517

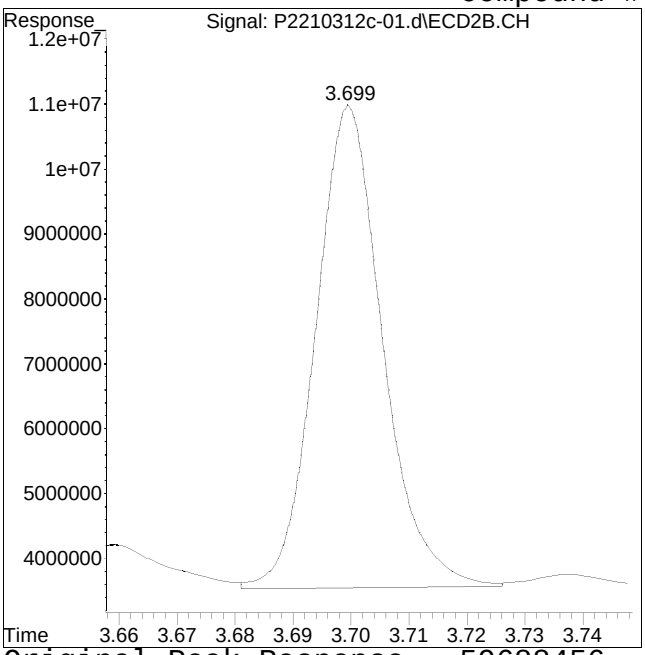


Manual Peak Response = 201745690 M4
M4 = Poor automated baseline construction.

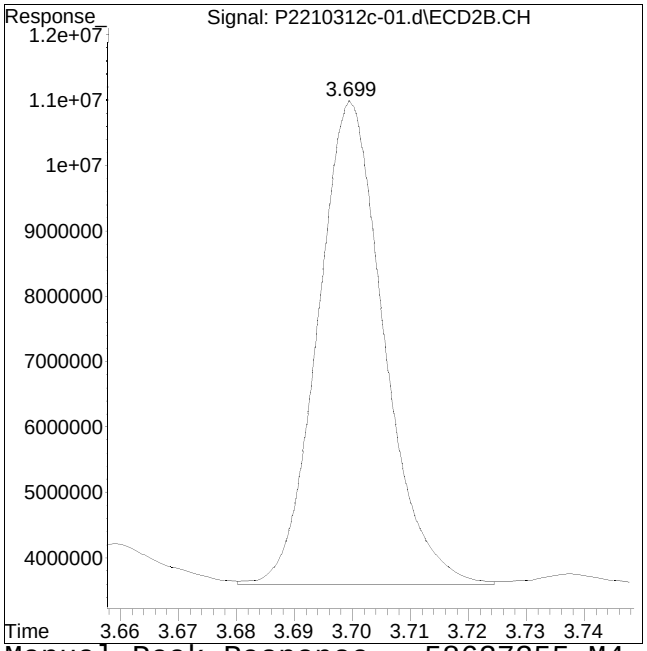
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #63: 1260-4 #2



Original Peak Response = 59688456



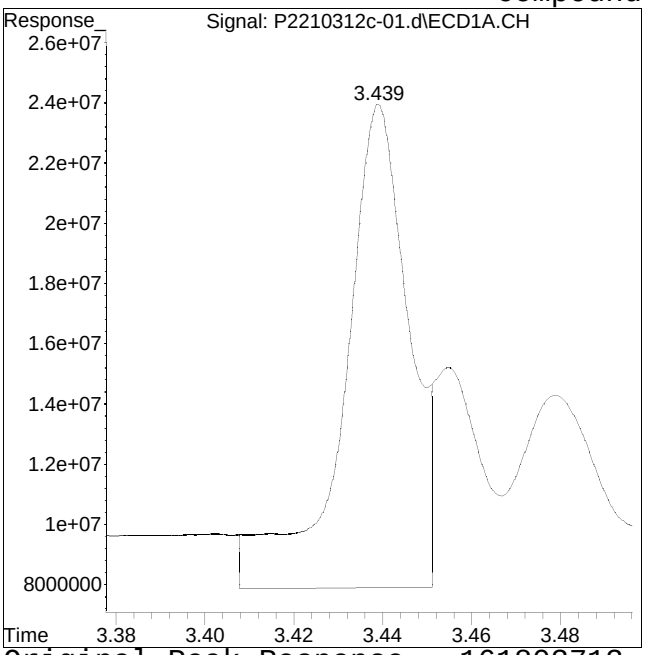
Manual Peak Response = 58637355 M4

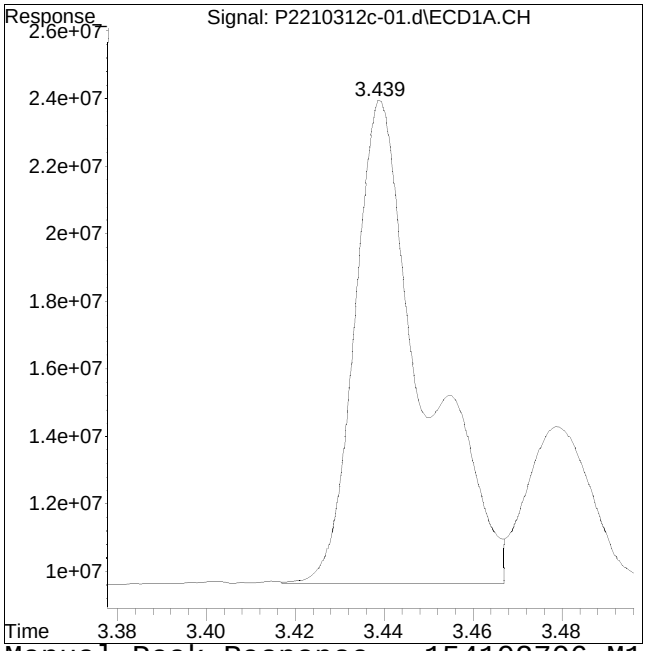
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-01.d Operator : pest2:jm
Date Inj'd : 3/12/2021 4:57 pm Instrument : PEST 2
Sample : wg1473959-1,42,,cicv1660,4Quant Date : 3/13/2021 6:53 am

Compound #13: 1260-5





Original Peak Response = 161803713 Manual Peak Response = 154102706 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:05 pm
Operator : pest2:jm
Sample : wg1473959-2,42,,cicv4268,42e,,10257 lvi (Sig #1); cicv4268,42e,,10257 lvi (Sig #2)
Misc : wg1473959,,ical17720
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:16:02 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	1.000	1.000	0.0	123	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	1.211	1.148	5.2	100	0.00
3	s	Decachlorobiphenyl	1.078	1.615	-49.8#	160#	0.00
14	i	2154_1br2nb	1.000	1.000	0.0	93	0.00
23	i	4268_1br2nb	1.000	1.000	0.0	104	0.00
24	l6	1242-1	0.017	0.017	0.0	107	0.00
25	l6	1242-2	0.034	0.038	-11.8	114	0.00
26	l6	1242-3	0.079	0.080	-1.3	106	0.00
27	l6	1242-4	0.032	0.035	-9.4	114	0.00
28	l6	1242-5	0.027	0.023	14.8	89	0.00
29	l9	1268-1	0.186	0.174	6.5	97	0.00
30	l9	1268-2	0.176	0.151	14.2	89	0.00
31	l9	1268-3	0.131	0.135	-3.1	107	0.00
32	l9	1268-4	0.063	0.058	7.9	97	0.00
33	l9	1268-5	0.400	0.394	1.5	103	0.00
34	i	1248_1br2nb	1.000	1.000	0.0	90	0.00
40	i	3262_1br2nb	1.000	1.000	0.0	94	0.00

Signal #2

1	i	1660_1br2nb	1.000	1.000	0.0	93	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	1.129	1.150	-1.9	95	0.00
3	s	Decachlorobiphenyl	0.945	1.443	-52.7#	155#	0.00
14	i	2154_1br2nb	1.000	1.000	0.0	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:05 pm
Operator : pest2:jm
Sample   : wg1473959-2,42,,cicv4268,42e,,10257 lvi (Sig #1); cicv4268,42e,,10257 lvi (Sig #2)
Misc   : wg1473959,,ical17720
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:16:02 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	1.000	1.000	0.0	94	0.00
24	l6	1242-1	0.016	0.017	-6.3	99	0.00
25	l6	1242-2	0.037	0.039	-5.4	99	0.00
26	l6	1242-3	0.074	0.079	-6.8	100	0.00
27	l6	1242-4	0.030	0.031	-3.3	98	0.00
28	l6	1242-5	0.027	0.026	3.7	91	0.00
29	l9	1268-1	0.166	0.168	-1.2	96	0.00
30	l9	1268-2	0.158	0.150	5.1	90	0.00
31	l9	1268-3	0.117	0.127	-8.5	102	0.00
32	l9	1268-4	0.052	0.052	0.0	94	0.00
33	l9	1268-5	0.335	0.362	-8.1	102	0.00
34	i	1248_1br2nb	1.000	1.000	0.0	85	0.00
40	i	3262_1br2nb	1.000	1.000	0.0	94	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	125.320	0.000 E3	100.0#	0#	-1.58#
5	l1	1016-2	270.304	0.000 E3	100.0#	0#	-1.73#
6	l1	1016-3	561.831	0.000 E3	100.0#	0#	-1.92#
7	l1	1016-4	223.528	0.000 E3	100.0#	0#	-1.97#
8	l1	1016-5	247.341	0.000 E3	100.0#	0#	-2.14#
9	l2	1260-1	368.460	0.000 E3	100.0#	0#	-2.69#
10	l2	1260-2	558.915	0.000 E3	100.0#	0#	-2.82#
11	l2	1260-3	342.821	0.000 E3	100.0#	0#	-3.13#
12	l2	1260-4	0.797	0.000 E6	100.0#	0#	-3.29#
13	l2	1260-5	594.058	0.000 E3	100.0#	0#	-3.44#
15	l3	1221-2	0.00155	0.00000	100.0#	0#	-1.50#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:05 pm
Operator : pest2:jm
Sample   : wg1473959-2,42,,cicv4268,42e,,10257 lvi (Sig #1); cicv4268,42e,,10257 lvi (Sig #2)
Misc   : wg1473959,,ical17720
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:16:02 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
16 l3	1221-3	0.00095	0.00000		100.0#	0#	-1.56#
17 l3	1221-4	0.00384	0.00000		100.0#	0#	-1.58#
18 l4	1254-1	0.00508	0.00000		100.0#	0#	-2.31#
19 l4	1254-2	0.00921	0.00000		100.0#	0#	-2.42#
20 l4	1254-3	0.00953	0.00000		100.0#	0#	-2.60#
21 l4	1254-4	0.00735	0.00000		100.0#	0#	-2.73#
22 l4	1254-5	0.010	0.000		100.0#	0#	-2.96#
35 l7	1248-1	0.00725	0.00000		100.0#	0#	-1.92#
36 l7	1248-2	0.00832	0.00000		100.0#	0#	-2.05#
37 l7	1248-3	0.00752	0.00000		100.0#	0#	-2.14#
38 l7	1248-4	0.00645	0.00000		100.0#	0#	-2.33#
39 l7	1248-5	0.00554	0.00000		100.0#	0#	-2.34#
41 l5	1232-1	0.00289	0.00000		100.0#	0#	-1.58#
42 l5	1232-2	0.00262	0.00000		100.0#	0#	-1.73#
43 l5	1232-3	0.00584	0.00000		100.0#	0#	-1.92#
44 l5	1232-4	0.00269	0.00000		100.0#	0#	-1.97#
45 l5	1232-5	0.00163	0.00000		100.0#	0#	-2.33#
46 l8	1262-1	0.00844	0.00000		100.0#	0#	-2.82#
47 l8	1262-2	0.011	0.000		100.0#	0#	-3.01#
48 l8	1262-3	0.00908	0.00000		100.0#	0#	-3.13#
49 l8	1262-4	0.019	0.000		100.0#	0#	-3.29#
50 l8	1262-5	0.00643	0.00000		100.0#	0#	-3.77#
Signal #2							
4 l1	1016-1	48.109	0.000	E3	100.0#	0#	-1.81#
5 l1	1016-2	102.983	0.000	E3	100.0#	0#	-1.98#
6 l1	1016-3	216.090	0.000	E3	100.0#	0#	-2.19#
7 l1	1016-4	86.760	0.000	E3	100.0#	0#	-2.25#
8 l1	1016-5	72.326	0.000	E3	100.0#	0#	-2.46#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:05 pm
Operator : pest2:jm
Sample   : wg1473959-2,42,,cicv4268,42e,,10257 lvi (Sig #1); cicv4268,42e,,10257 lvi (Sig #2)
Misc   : wg1473959,,ical17720
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:16:02 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
9 l2	1260-1	142.152	0.000 E3	100.0#	0#	-3.07#
10 l2	1260-2	167.319	0.000 E3	100.0#	0#	-3.17#
11 l2	1260-3	146.921	0.000 E3	100.0#	0#	-3.57#
12 l2	1260-4	282.321	0.000 E3	100.0#	0#	-3.70#
13 l2	1260-5	205.255	0.000 E3	100.0#	0#	-3.90#
15 l3	1221-2	26.137	0.000 E3	100.0#	0#	-1.72#
16 l3	1221-3	16.990	0.000 E3	100.0#	0#	-1.78#
17 l3	1221-4	64.549	0.000 E3	100.0#	0#	-1.81#
18 l4	1254-1	95.202	0.000 E3	100.0#	0#	-2.66#
19 l4	1254-2	121.792	0.000 E3	100.0#	0#	-2.74#
20 l4	1254-3	171.687	0.000 E3	100.0#	0#	-2.98#
21 l4	1254-4	121.057	0.000 E3	100.0#	0#	-3.09#
22 l4	1254-5	161.577	0.000 E3	100.0#	0#	-3.37#
35 l7	1248-1	116.485	0.000 E3	100.0#	0#	-2.18#
36 l7	1248-2	77.151	0.000 E3	100.0#	0#	-2.33#
37 l7	1248-3	95.119	0.000 E3	100.0#	0#	-2.46#
38 l7	1248-4	109.157	0.000 E3	100.0#	0#	-2.64#
39 l7	1248-5	122.434	0.000 E3	100.0#	0#	-2.66#
41 l5	1232-1	50.322	0.000 E3	100.0#	0#	-1.81#
42 l5	1232-2	55.844	0.000 E3	100.0#	0#	-1.98#
43 l5	1232-3	95.723	0.000 E3	100.0#	0#	-2.19#
44 l5	1232-4	38.242	0.000 E3	100.0#	0#	-2.25#
45 l5	1232-5	31.522	0.000 E3	100.0#	0#	-2.64#
46 l8	1262-1	124.229	0.000 E3	100.0#	0#	-3.17#
47 l8	1262-2	161.582	0.000 E3	100.0#	0#	-3.41#
48 l8	1262-3	157.891	0.000 E3	100.0#	0#	-3.57#
49 l8	1262-4	295.476	0.000 E3	100.0#	0#	-3.70#
50 l8	1262-5	104.882	0.000 E3	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Mar 2021   5:05 pm
Operator : pest2:jm
Sample   : wg1473959-2,42,,cicv4268,42e,,10257 lvi (Sig #1); cicv4268,42e,,10257 lvi (Sig #2)
Misc   : wg1473959,,ical17720
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:16:02 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:05 pm
Operator : pest2:jm
Sample : wg1473959-2,42,,cicv4268,42e,,10257 lvi (Sig #1); cicv4268,42e,,10257 lvi (Sig #2)
Misc : wg1473959,,ical17720
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:16:02 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.153	1.223	174.3E6	52241665	25.000	25.000
14) i	2154_1br2nb	1.153	1.223	174.3E6	52241665	25.000	25.000
23) i	4268_1br2nb	1.153	1.223	174.3E6	52241665	25.000	25.000
34) i	1248_1br2nb	1.153	1.223	174.3E6	52241665	25.000	25.000
40) i	3262_1br2nb	1.153	1.223	174.3E6	52241665	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.442	1.605	128.0E6	38434521	15.164	16.294
	Spiked Amount 20.000	Range 30 - 150		Recovery =		75.82%	81.47%
3) s	Decachlorobi	4.023	4.555	360.1E6	96495715	47.925M4	48.870
	Spiked Amount 20.000	Range 30 - 150		Recovery =		239.62%#	244.35%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:05 pm
Operator : pest2:jm
Sample : wg1473959-2,42,,cicv4268,42e,,10257 lvi (Sig #1); cicv4268,42e,,10257 lvi (Sig #2)
Misc : wg1473959,,ical17720
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:16:02 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.583	1.810	29570662	9094382	256.674	264.301
25) l6	1242-2	1.726	1.982	65781198	20280315	274.973	262.249M4
26) l6	1242-3	1.916	2.186	139.4E6	41075253	253.981	264.657
27) l6	1242-4	1.971	2.247	61310590	16119587	272.777	260.145
28) l6	1242-5	2.325	2.636	40004829	13545706	214.831M4	242.466M4
Sum	1242-1			336.1E6	100.1E6	1273.237	1293.818
Average	1242-1					254.647	258.764
29) l9	1268-1	3.455	3.897	302.6E6	88008820	232.832M4	254.045
30) l9	1268-2	3.476	3.924	262.9E6	78622522	214.887M4	238.230
31) l9	1268-3	3.578	4.066	234.4E6	66160505	256.879M4	271.743
32) l9	1268-4	3.766	4.219	101.5E6	27322128	232.595M4	250.820
33) l9	1268-5	3.920	4.406	686.8E6	189.1E6	246.469M4	270.085
Sum	1268-1			1588.3E6	449.2E6	1183.662	1284.924
Average	1268-1					236.732	256.985
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:05 pm
Operator : pest2:jm
Sample : wg1473959-2,42,,cicv4268,42e,,10257 lvi (Sig #1); cicv4268,42e,,10257 lvi (Sig #2)
Misc : wg1473959,,ical17720
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:16:02 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

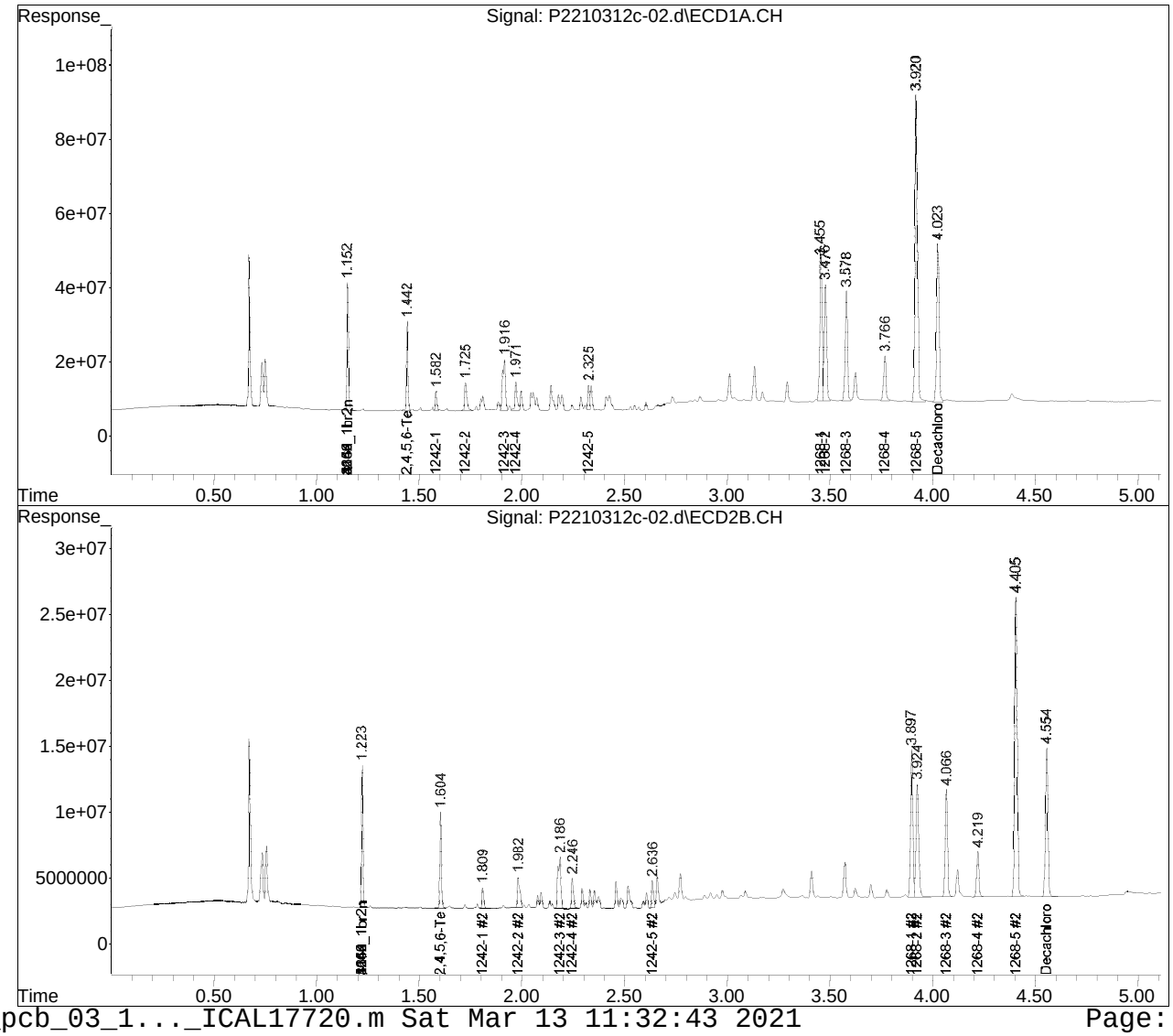
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 5:05 pm
Operator : pest2:jm
Sample : wg1473959-2,42,,cicv4268,42e,,10257 lvi (Sig #1); cicv4268,42e,,10
Misc : wg1473959,,ical17720
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:16:02 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

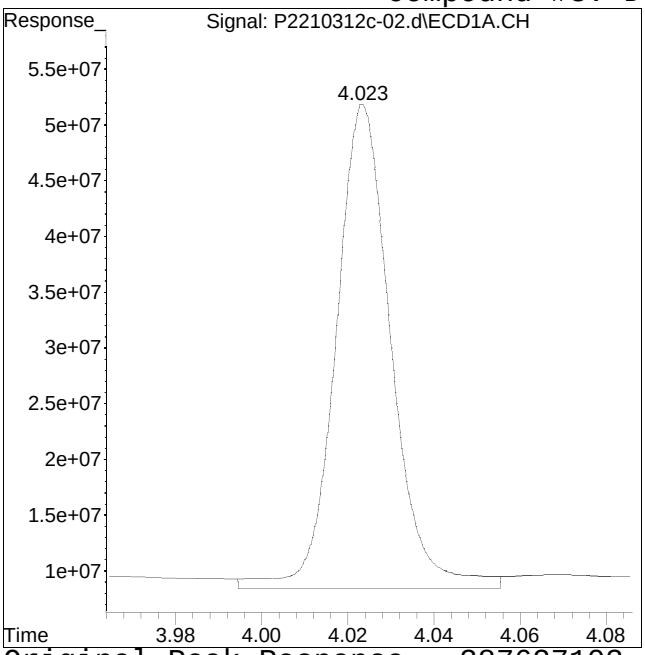
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

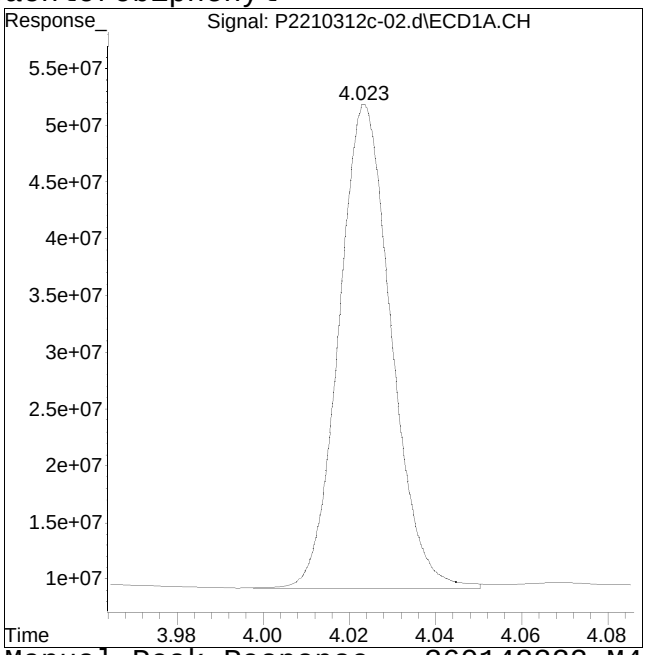


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-02.d Operator : pest2:jm
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : wg1473959-2,42,,cicv4268,4Quant Date : 3/13/2021 7:03 am

Compound #3: Decachlorobiphenyl



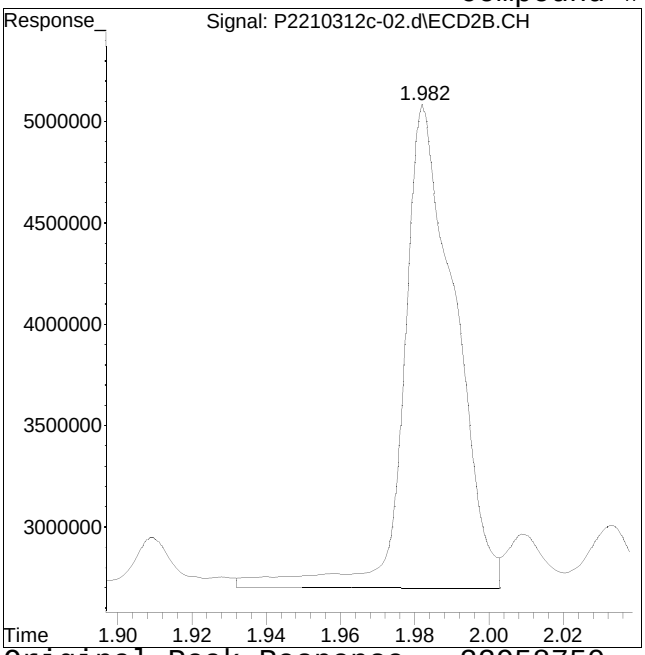


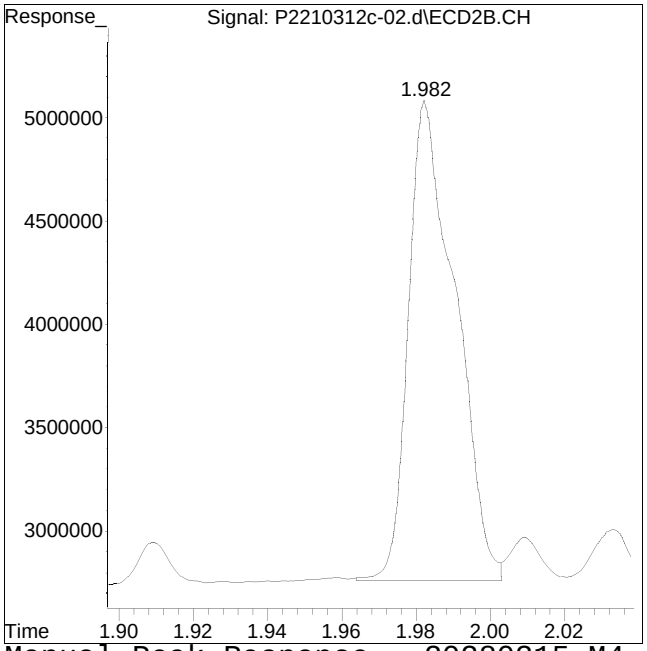
Original Peak Response = 387627103 Manual Peak Response = 360142322 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-02.d Operator : pest2:jm
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : wg1473959-2,42,,cicv4268,4Quant Date : 3/13/2021 7:03 am

Compound #76: 1242-2 #2



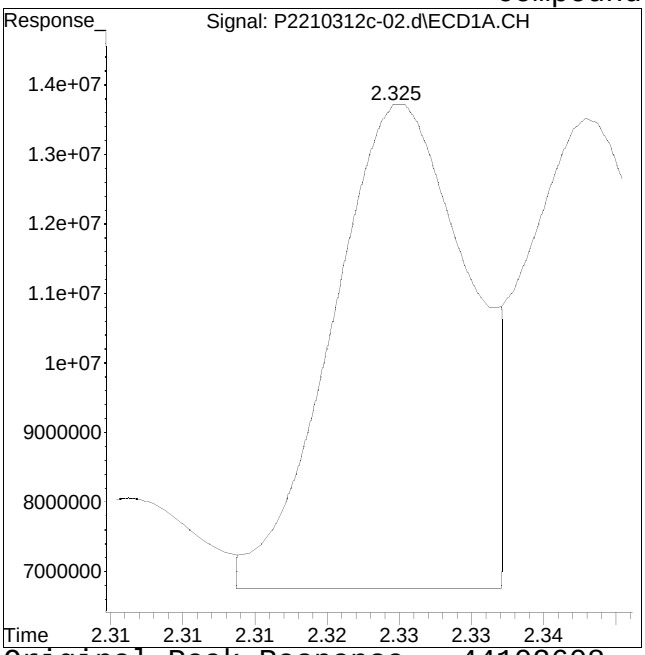


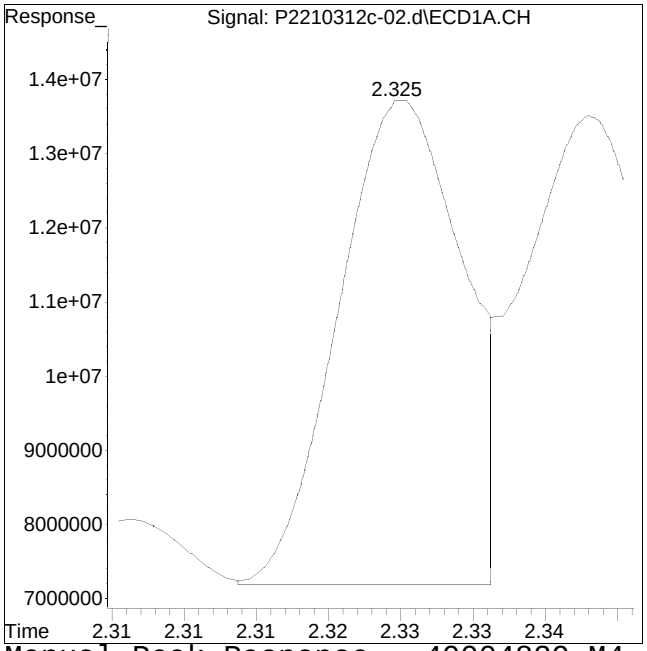
Original Peak Response = 22958750 Manual Peak Response = 20280315 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-02.d Operator : pest2:jm
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : wg1473959-2,42,,cicv4268,4Quant Date : 3/13/2021 7:03 am

Compound #28: 1242-5



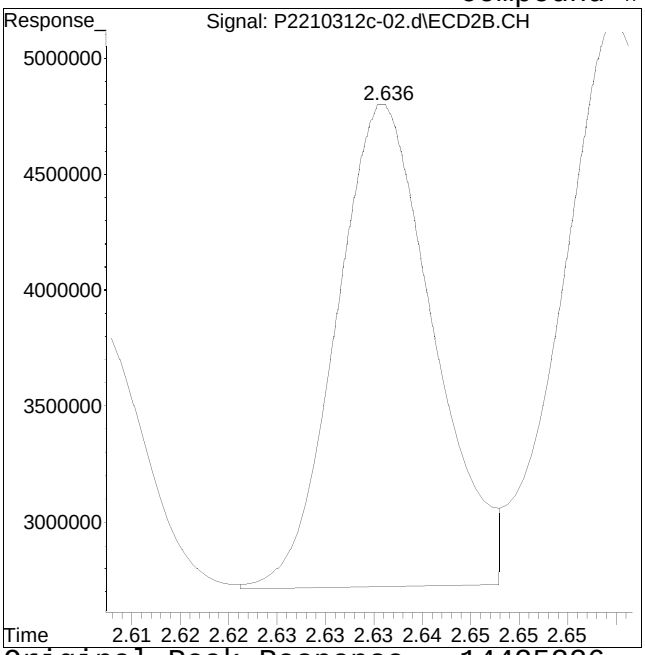


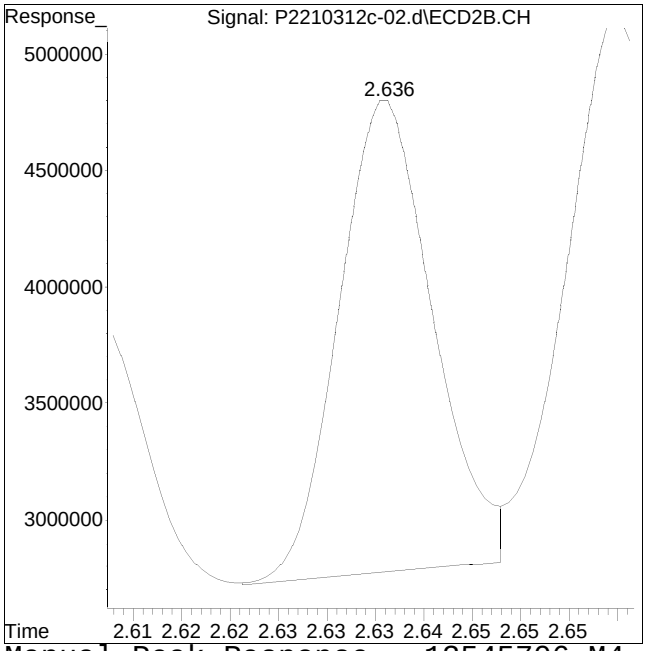
Original Peak Response = 44102608 Manual Peak Response = 40004829 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-02.d Operator : pest2:jm
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : wg1473959-2,42,,cicv4268,4Quant Date : 3/13/2021 7:03 am

Compound #79: 1242-5 #2



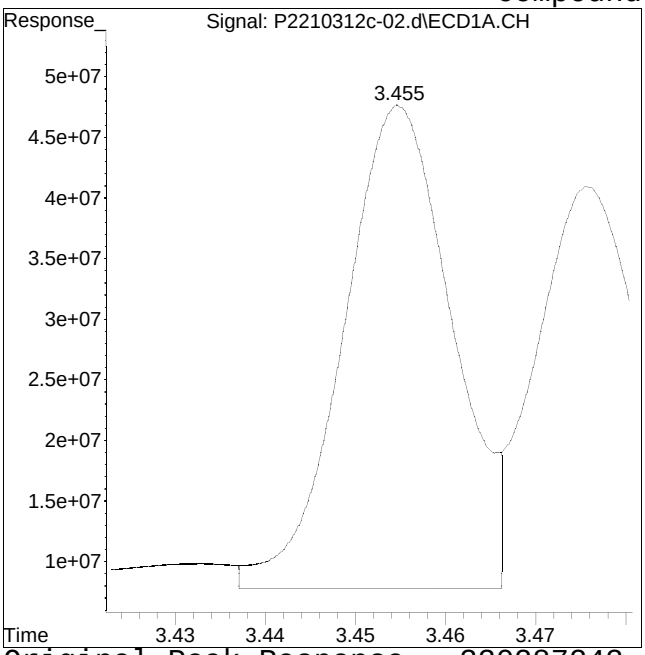


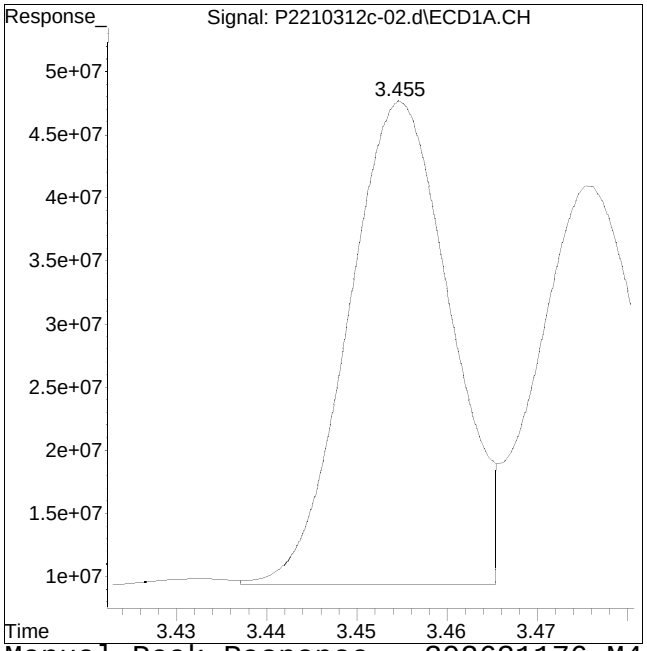
Original Peak Response = 14425226 Manual Peak Response = 13545706 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-02.d Operator : pest2:jm
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : wg1473959-2,42,,cicv4268,4Quant Date : 3/13/2021 7:03 am

Compound #29: 1268-1



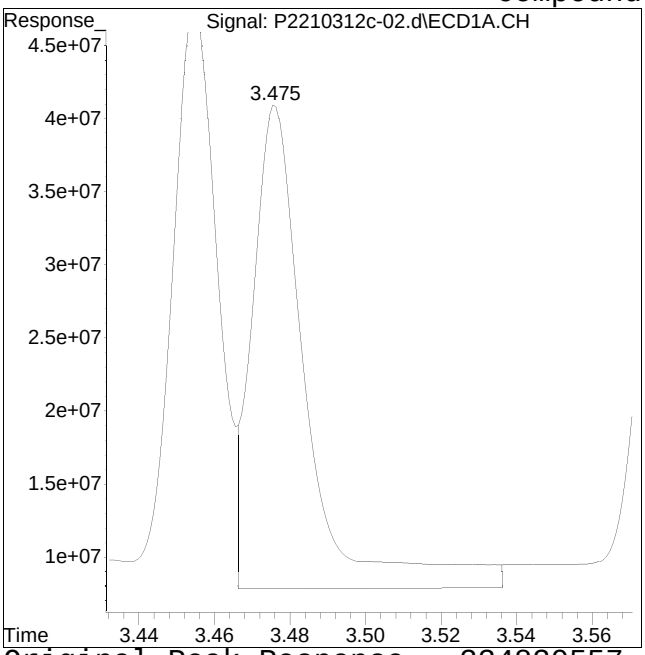


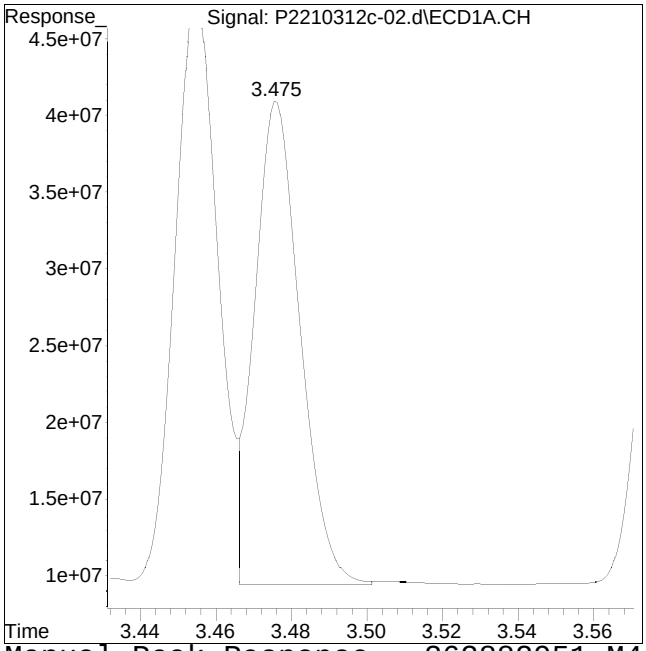
Original Peak Response = 330287243 Manual Peak Response = 302631176 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-02.d Operator : pest2:jm
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : wg1473959-2,42,,cicv4268,4Quant Date : 3/13/2021 7:03 am

Compound #30: 1268-2



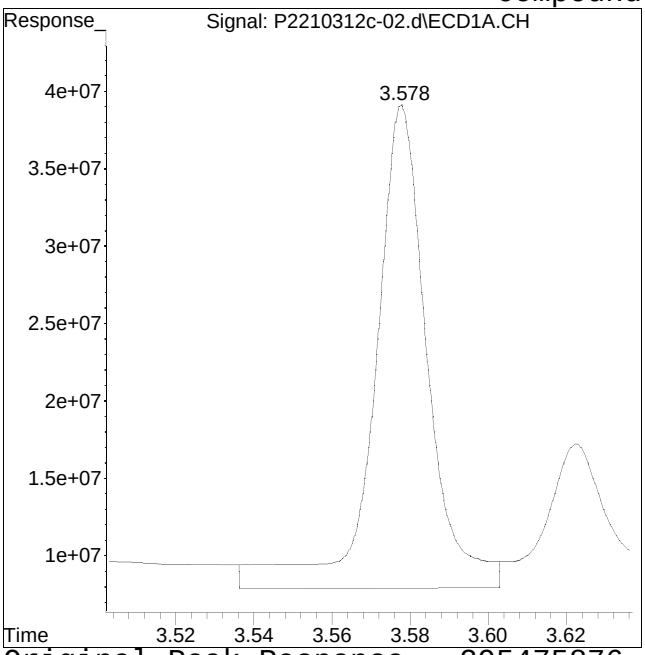


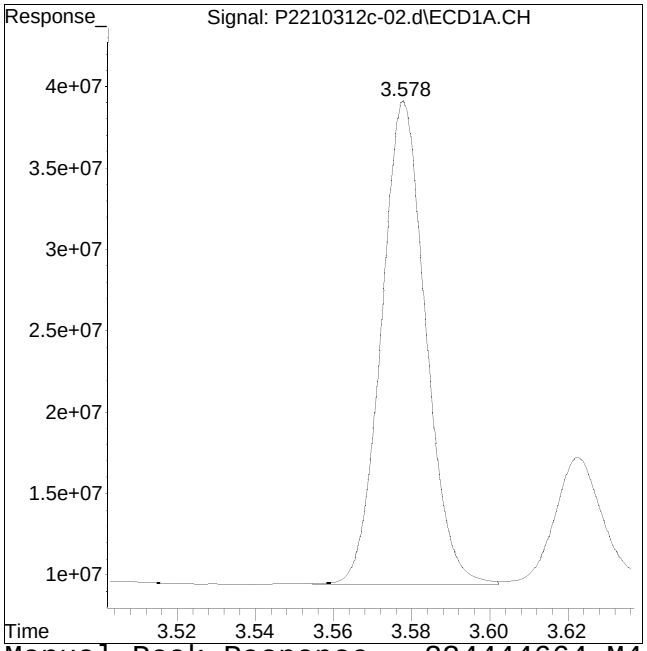
Original Peak Response = 334830557 Manual Peak Response = 262882951 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-02.d Operator : pest2:jm
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : wg1473959-2,42,,cicv4268,4Quant Date : 3/13/2021 7:03 am

Compound #31: 1268-3



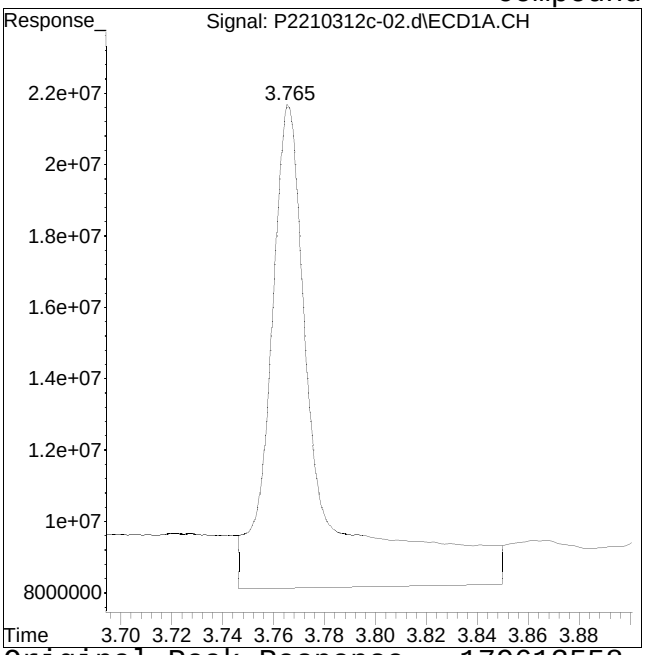


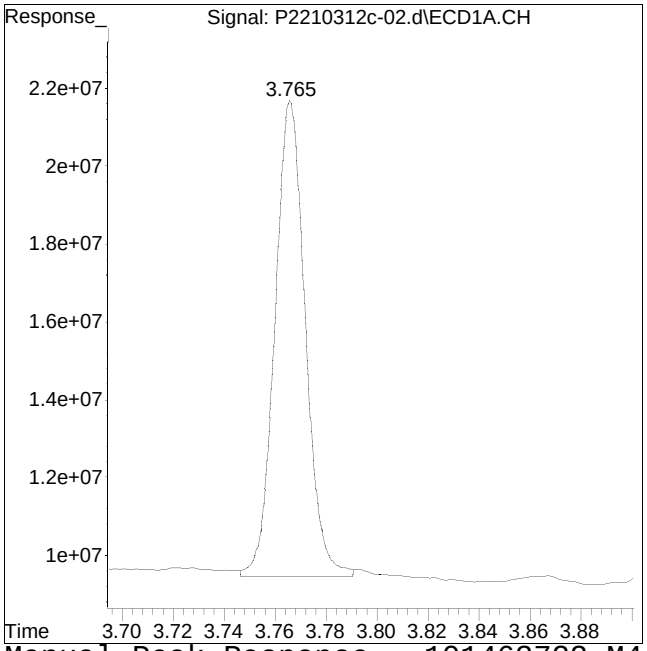
Original Peak Response = 295475876 Manual Peak Response = 234444664 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-02.d Operator : pest2:jm
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : wg1473959-2,42,,cicv4268,4Quant Date : 3/13/2021 7:03 am

Compound #32: 1268-4



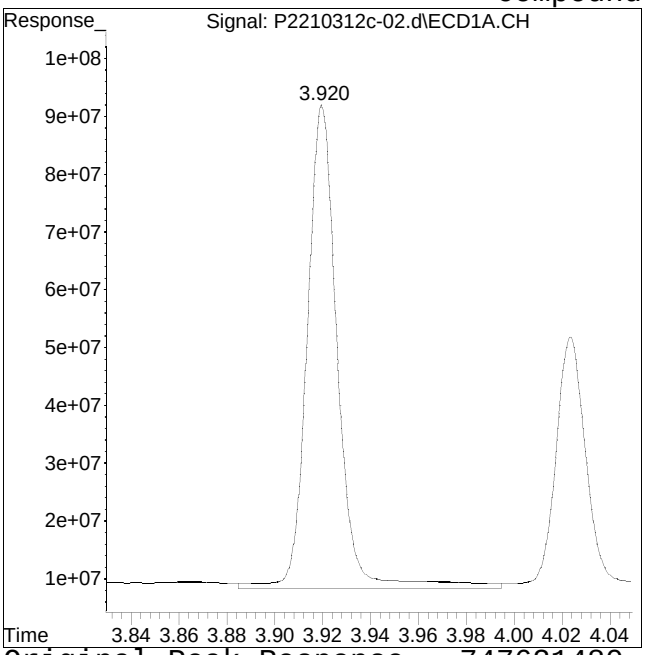


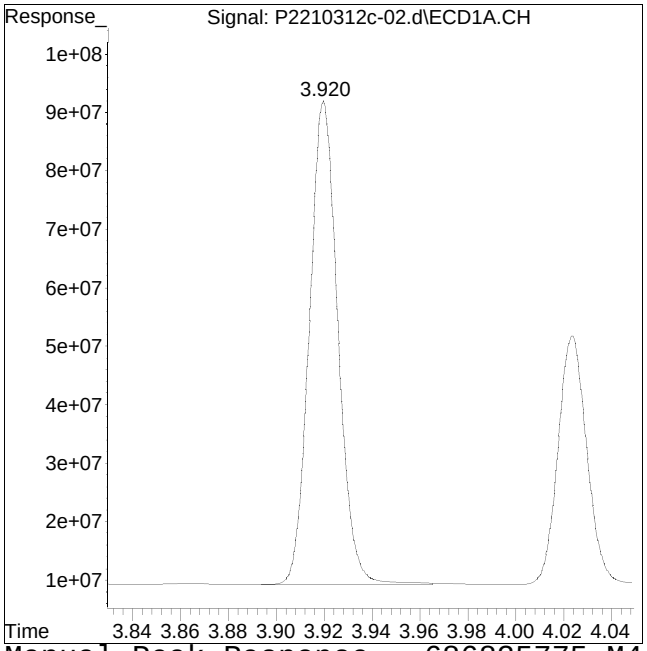
Original Peak Response = 179613558 Manual Peak Response = 101463722 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-02.d Operator : pest2:jm
Date Inj'd : 3/12/2021 5:05 pm Instrument : PEST 2
Sample : wg1473959-2,42,,cicv4268,4Quant Date : 3/13/2021 7:03 am

Compound #33: 1268-5





Original Peak Response = 747621480 Manual Peak Response = 686835775 M4
M4 = Poor automated baseline construction.

RT Shift Summary

Identification Summary
Form 10
PCBs

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab Sample ID	: L2111103-01		
Client ID	: RMW-3		
Date Analyzed (1)	: 03/12/21 20:12	**Date Analyzed (2)**	: 03/12/21 20:12
Instrument ID (1)	: PEST2	**Instrument ID (2)**	: PEST2
GC Column (1)	: CLP-Pesticide	**GC Column (2)**	: CLP-PesticideII

Analyte	Peak	RT	RT Window From	RT Window To	Concentration	Mean Concentration	%RPD
AROCLOR 1260	1	2.68	2.64	2.74	65.2		
	2	2.81	2.77	2.87	65.7		
COLUMN 1	3	3.13	3.09	3.19	46.8		
	4	3.29	3.24	3.34	47.2		
	5	3.44	3.39	3.49	47.6	0.389	
	1	3.07	3.02	3.12	72.8		
	2	3.17	3.12	3.22	62.		
COLUMN 2	3	3.57	3.52	3.62	38.		
	4	3.70	3.65	3.75	43.9		
	5	3.90	3.85	3.95	49.6	0.38	2
AROCLOR 1242	1	1.58	1.53	1.63	82.1		
	2	1.72	1.68	1.78	104.		
COLUMN 1	3	1.90	1.87	1.97	30.2		
	4	0.00	1.92	2.02	0.		
	5	0.00	2.27	2.37	0.	0.514	
	1	1.81	1.76	1.86	122.		
	2	1.98	1.93	2.03	72.1		
COLUMN 2	3	2.17	2.14	2.24	28.		
	4	2.24	2.20	2.30	23.1		
	5	0.00	2.59	2.69	0.	0.438	16

Identification Summary
Form 10
PCBs

Client	: PS&S Engineering, Inc.	**Lab Number**	: L2111103
Project Name	: FORMER BICC CABLES SITE	**Project Number**	: 05697.0006
Lab Sample ID	: L2111103-02		
Client ID	: RMW-4		
Date Analyzed (1)	: 03/12/21 19:55	**Date Analyzed (2)**	: 03/12/21 19:55
Instrument ID (1)	: PEST2	**Instrument ID (2)**	: PEST2
GC Column (1)	: CLP-Pesticide	**GC Column (2)**	: CLP-PesticideII

Analyte	Peak	RT	RT Window From	RT Window To	Concentration	Mean Concentration	%RPD
AROCLOR 1260	1	2.69	2.64	2.74	10.1		
	2	2.82	2.77	2.87	8.42		
COLUMN 1	3	0.00	3.09	3.19	0.		
	4	3.30	3.24	3.34	10.5		
	5	0.00	3.39	3.49	0.	0.0691J	
	1	3.07	3.02	3.12	9.9		
	2	3.17	3.12	3.22	7.41		
COLUMN 2	3	3.57	3.52	3.62	11.3		
	4	3.70	3.65	3.75	8.43		
	5	0.00	3.85	3.95	0.	0.0661J	NC
AROCLOR 1268	1	3.46	3.40	3.50	6.63		
	2	3.48	3.43	3.53	12.4		
COLUMN 1	3	3.58	3.53	3.63	4.54		
	4	3.77	3.72	3.82	23.1		
	5	3.92	3.87	3.97	4.37	0.0729	
	1	3.90	3.85	3.95	8.6		
	2	3.94	3.87	3.97	11.3		
COLUMN 2	3	4.07	4.02	4.12	4.04		
	4	4.22	4.17	4.27	17.8		
	5	4.41	4.36	4.46	3.89	0.0652J	NC

Identification Summary
Form 10
PCBs

Client	:	PS&S Engineering, Inc.	**Lab Number**	:	L2111103
Project Name	:	FORMER BICC CABLES SITE	**Project Number**	:	05697.0006
Lab Sample ID	:	L2111103-03			
Client ID	:	DUP 1			
Date Analyzed (1)	:	03/12/21 20:03	**Date Analyzed (2)**	:	03/12/21 20:03
Instrument ID (1)	:	PEST2	**Instrument ID (2)**	:	PEST2
GC Column (1)	:	CLP-Pesticide	**GC Column (2)**	:	CLP-PesticideII

			RT Window			Mean	
Analyte	**Peak**	**RT**	**From**	**To**	**Concentration**	**Concentration**	**%RPD**
AROCLOR 1242	1	1.58	1.53	1.63	111.		
	2	1.73	1.68	1.78	83.9		
COLUMN 1	3	1.90	1.87	1.97	30.4		
	4	1.97	1.92	2.02	6.26		
	5	0.00	2.27	2.37	0.	0.413	
	1	1.81	1.76	1.86	108.		
	2	1.98	1.93	2.03	66.3		
COLUMN 2	3	2.17	2.14	2.24	21.6		
	4	2.24	2.20	2.30	16.		
	5	0.00	2.59	2.69	0.	0.378	9

Aroclor Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 10:31 am
Operator : pest2:cw
Sample : WG1472552-1,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:07:42 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312B\P2210312b-06.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.158	1.227	149.5E6	44765007	25.000M4	25.000
	Standard Area 1 : #1 = 145484768				Recovery = 102.77%		
	Standard Area 1 : #2 = 45687335				Recovery = 97.98%		
14) i	2154_1br2nb	1.158	1.227	149.5E6	44765007	25.000M4	25.000
23) i	4268_1br2nb	1.158	1.227	149.5E6	44765007	25.000M4	25.000
34) i	1248_1br2nb	1.158	1.227	149.5E6	44765007	25.000M4	25.000
40) i	3262_1br2nb	1.158	1.227	149.5E6	44765007	25.000M4	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.447	1.609	201.4E6	55066398	30.229M4	26.614
	Spiked Amount 20.000	Range 30 - 150			Recovery = 151.14%#		133.07%
3) s	Decachlorobi	4.023	4.553	80103992	28645725	13.553M4	16.688M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 67.77%		83.44%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1						0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1						0.000	0.000

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 10:31 am
Operator : pest2:cw
Sample : WG1472552-1,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:07:42 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312B\P2210312b-06.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 10:31 am
Operator : pest2:cw
Sample : WG1472552-1,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:07:42 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312B\P2210312b-06.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

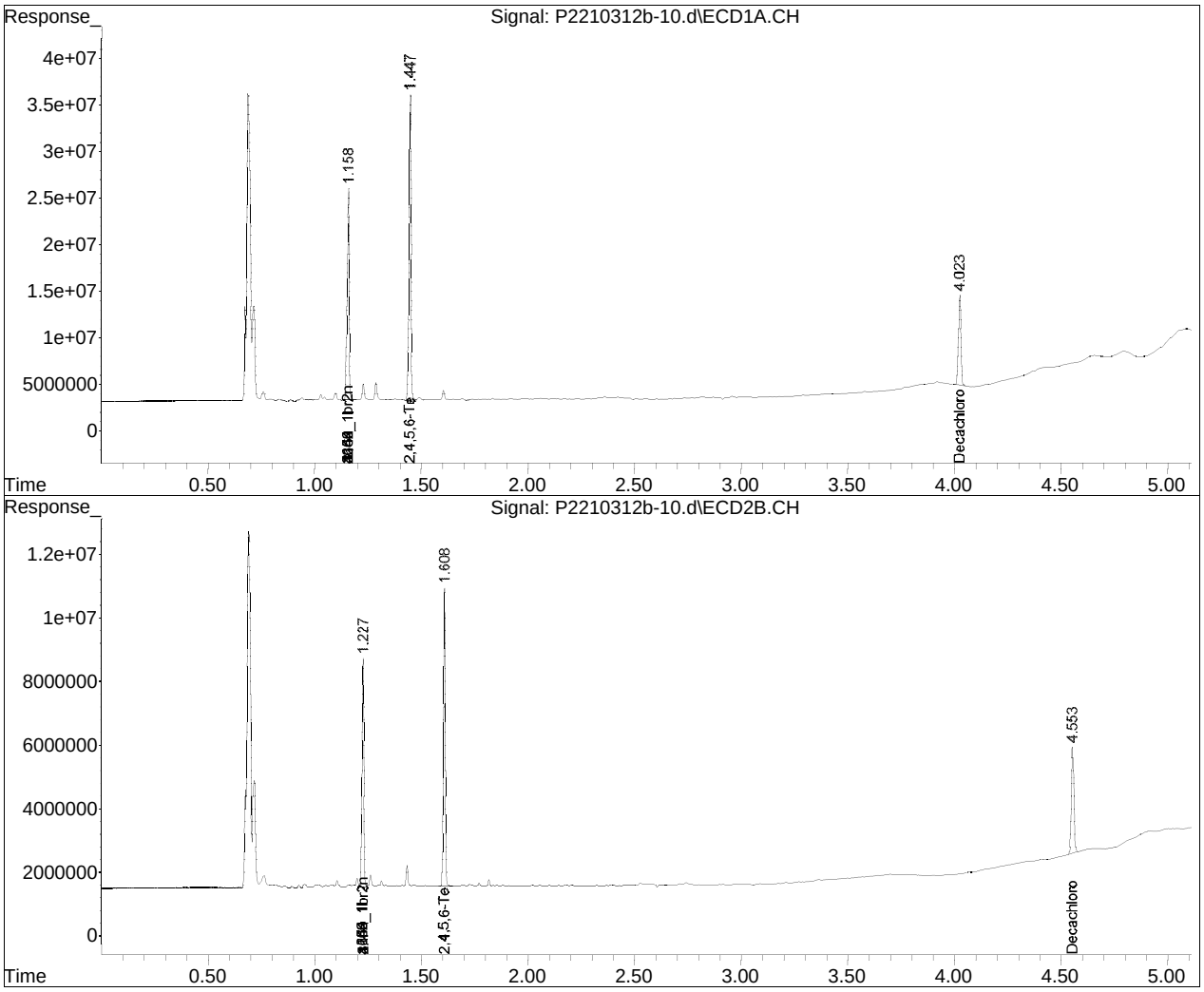
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Sub List : Default - All compounds listedP2210312b-06.d••

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 10:31 am
Operator : pest2:cw
Sample : WG1472552-1,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:07:42 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

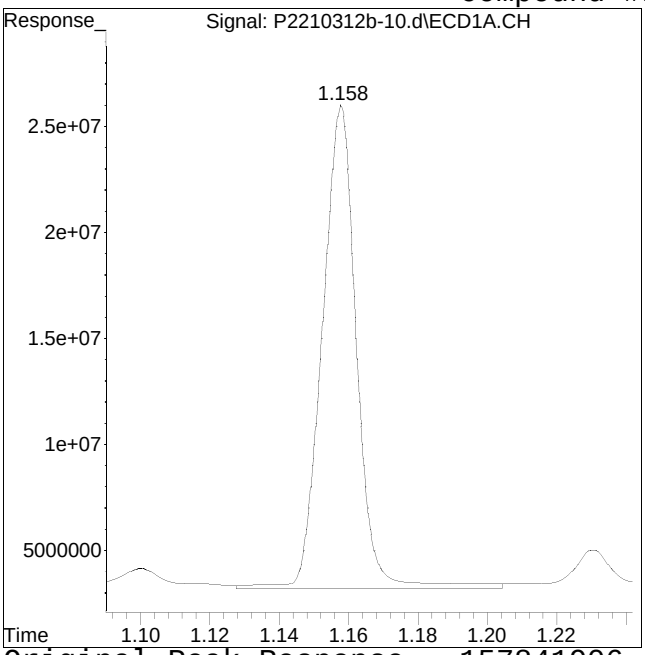
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

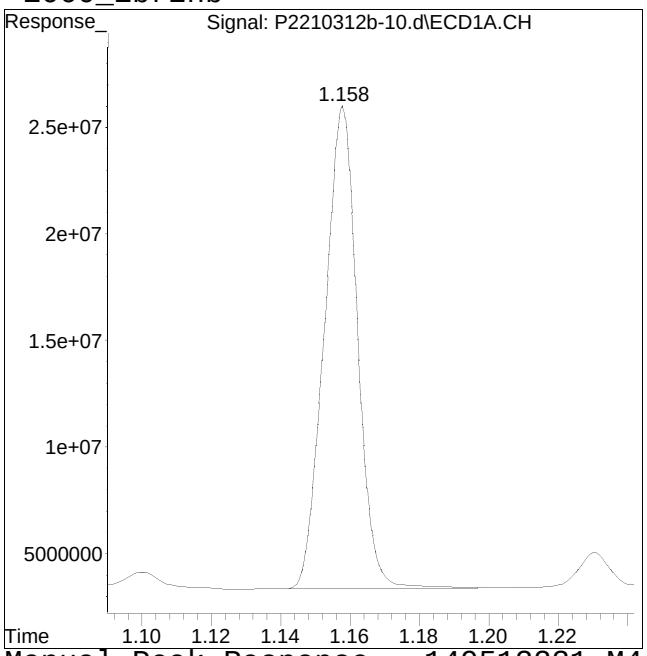


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-10.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:31 am Instrument : PEST 2
Sample : WG1472552-1,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #1: 1660_1br2nb



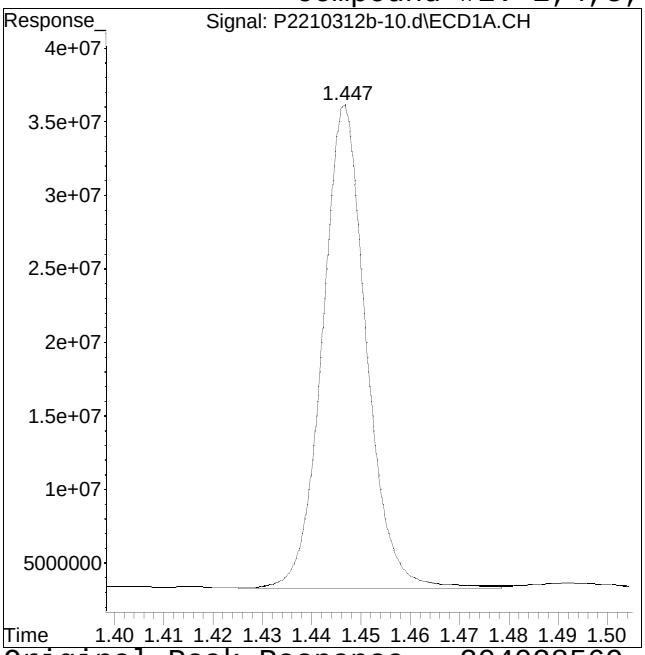


Original Peak Response = 157841906 Manual Peak Response = 149513231 M4
M4 = Poor automated baseline construction.

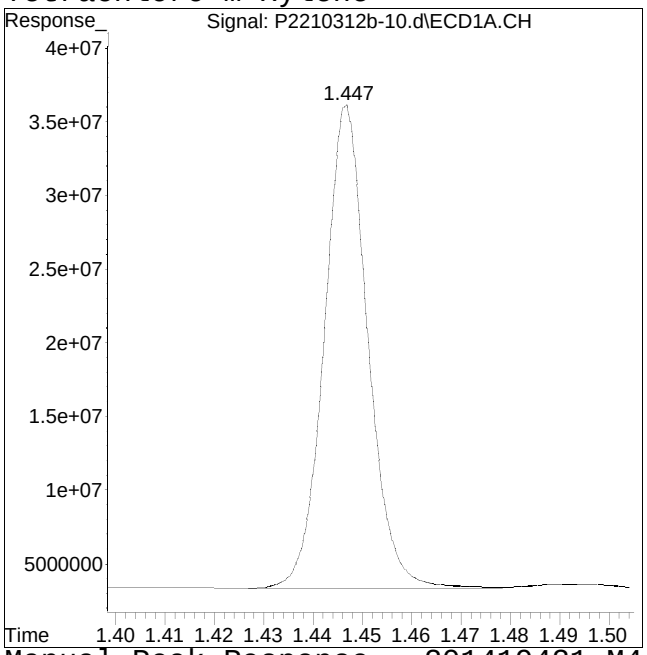
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-10.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:31 am Instrument : PEST 2
Sample : WG1472552-1,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 204028569



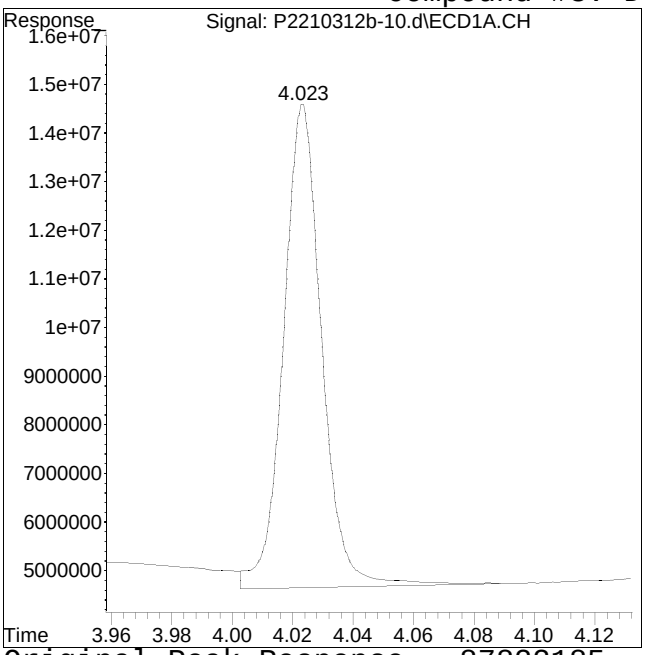
Manual Peak Response = 201419421 M4

M4 = Poor automated baseline construction.

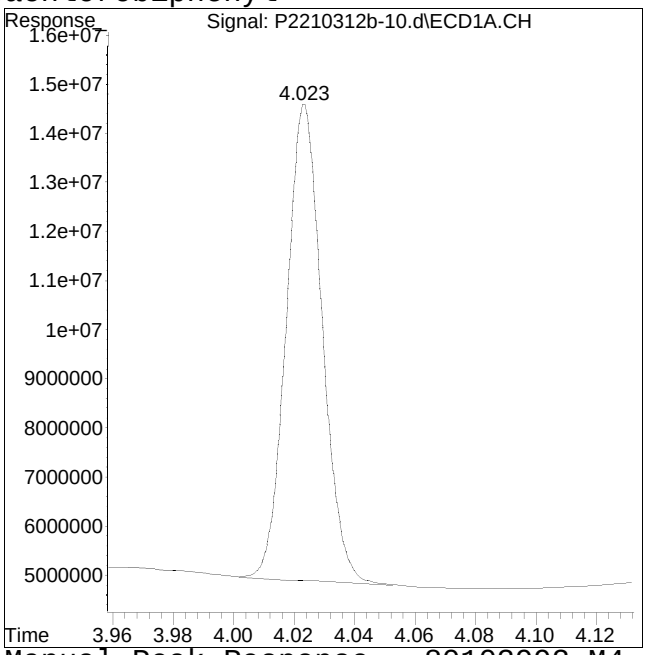
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-10.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:31 am Instrument : PEST 2
Sample : WG1472552-1,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 87822185



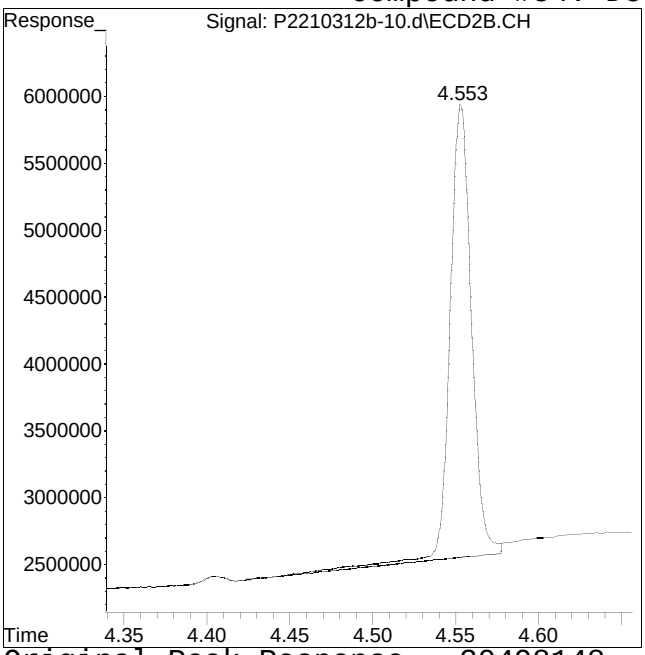
Manual Peak Response = 80103992 M4

M4 = Poor automated baseline construction.

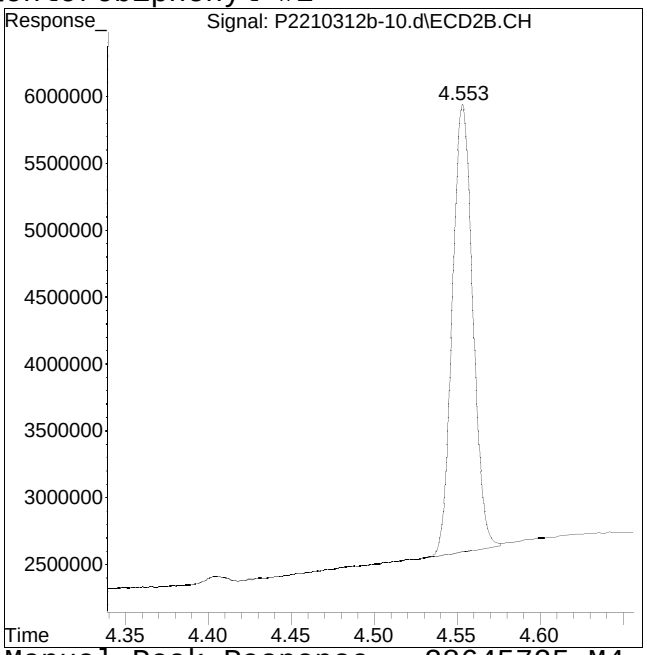
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-10.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:31 am Instrument : PEST 2
Sample : WG1472552-1,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 30498148



Manual Peak Response = 28645725 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 10:39 am
Operator : pest2:cw
Sample : WG1472552-2,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:09:21 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312B\P2210312b-06.d
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.159	1.228	168.5E6	44542861	25.000	25.000
Standard Area 1 : #1 = 145484768				Recovery =	115.79%	
Standard Area 1 : #2 = 45687335				Recovery =	97.49%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.448	1.609	197.4E6	50959876	26.288	24.752
Spiked Amount 20.000	Range 30 - 150			Recovery =	131.44%	123.76%
3) s Decachlorobi	4.024	4.553	74678920	26746720	11.214M4	15.659M4
Spiked Amount 20.000	Range 30 - 150			Recovery =	56.07%	78.30%
Target Compounds						
4) l1 1016-1	1.587	1.812	40170006	14749516	295.554M4	383.700
5) l1 1016-2	1.729	1.985	101.2E6	29070106	323.488M4	341.188
6) l1 1016-3	1.918	2.187	197.1E6	55060386	318.275M4	325.865M1
7) l1 1016-4	1.973	2.248	81512160	22759417	321.111M4	328.117
8) l1 1016-5	2.144	2.460	76862223	18176069	291.960	333.701
Sum 1016-1			496.8E6	139.8E6	1550.388	1712.571
Average 1016-1					310.078	342.514
9) l2 1260-1	2.689f	3.073f	98270307	35469520	239.110	318.436
10) l2 1260-2	2.819f	3.175f	153.4E6	37427002	241.334	282.023
11) l2 1260-3	3.136f	3.570f	85849238	27383537	206.927	257.267
12) l2 1260-4	3.291f	3.699f	171.6E6	51611251	198.310M1	235.238
13) l2 1260-5	3.439f	3.902f	112.9E6	35946775	184.325M1	232.068
Sum 1260-1			622.0E6	187.8E6	1070.007	1325.031
Average 1260-1					214.001	265.006
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 10:39 am
Operator : pest2:cw
Sample : WG1472552-2,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:09:21 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312B\P2210312b-06.d
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

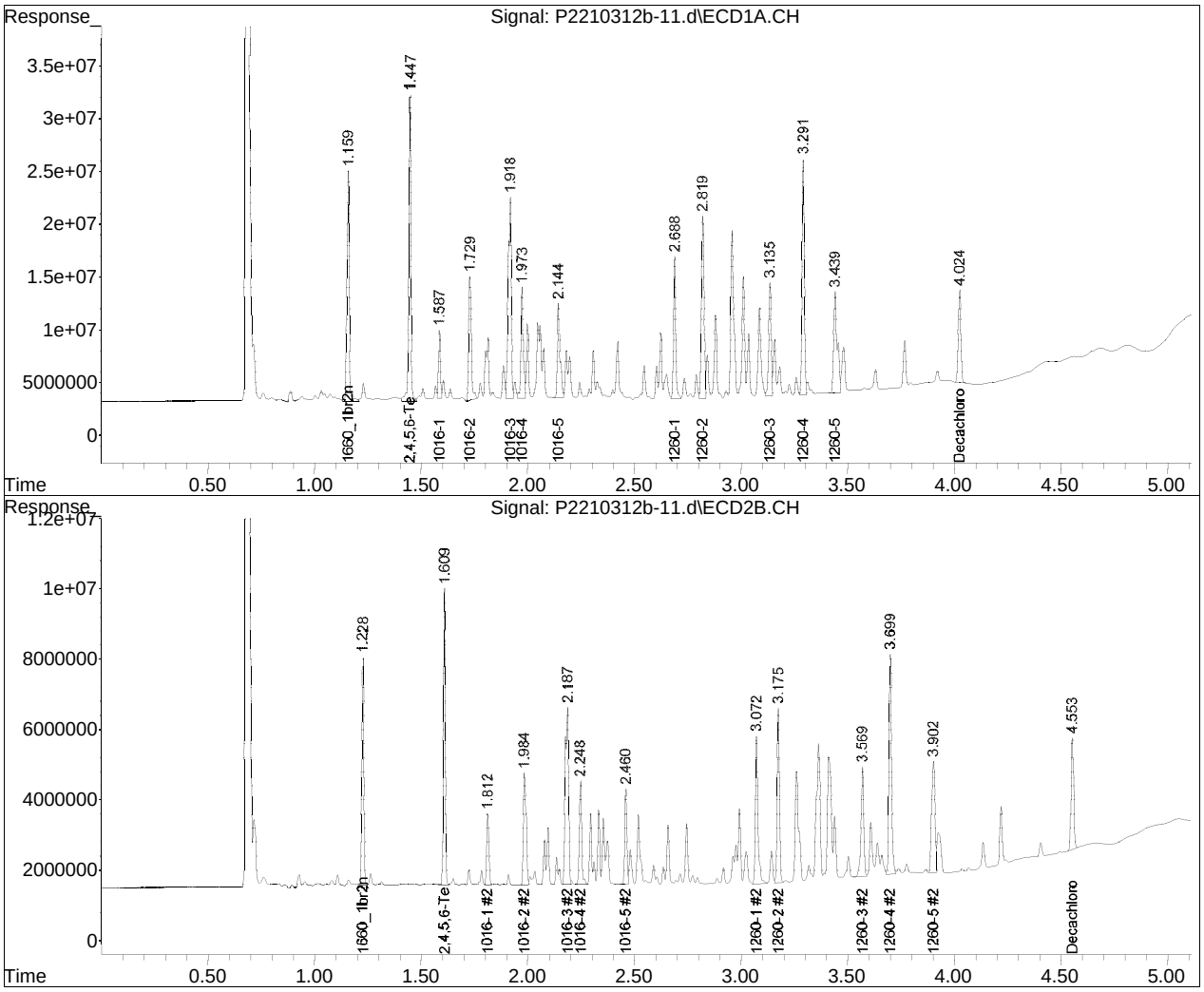
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2021\210312B\P2210312b-06.d••

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 10:39 am
Operator : pest2:cw
Sample : WG1472552-2,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:09:21 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

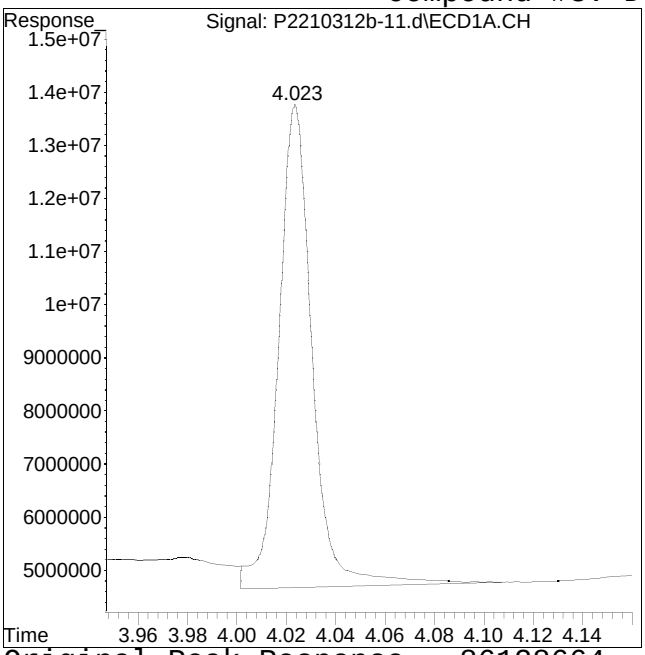
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

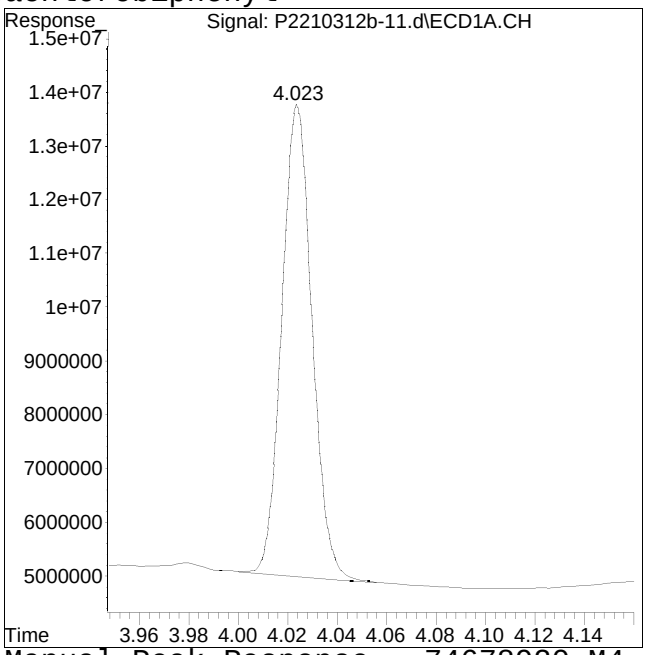


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-11.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:39 am Instrument : PEST 2
Sample : WG1472552-2,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #3: Decachlorobiphenyl



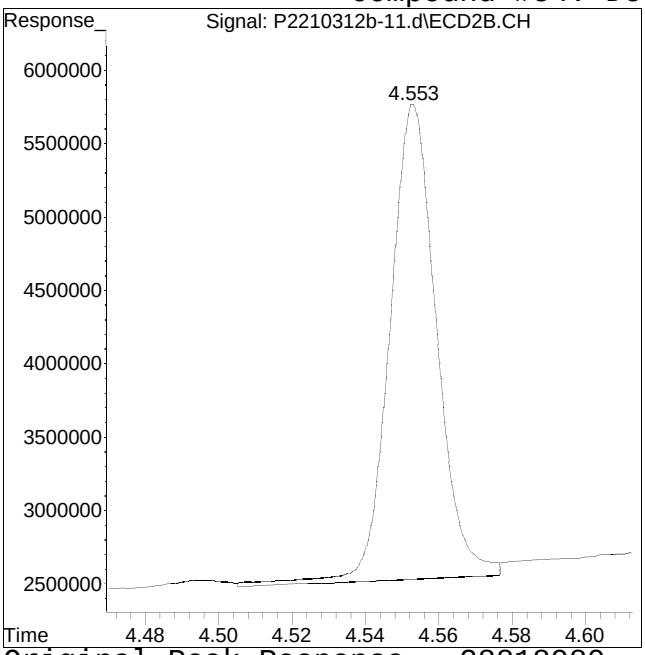


Original Peak Response = 86128664 Manual Peak Response = 74678920 M4
M4 = Poor automated baseline construction.

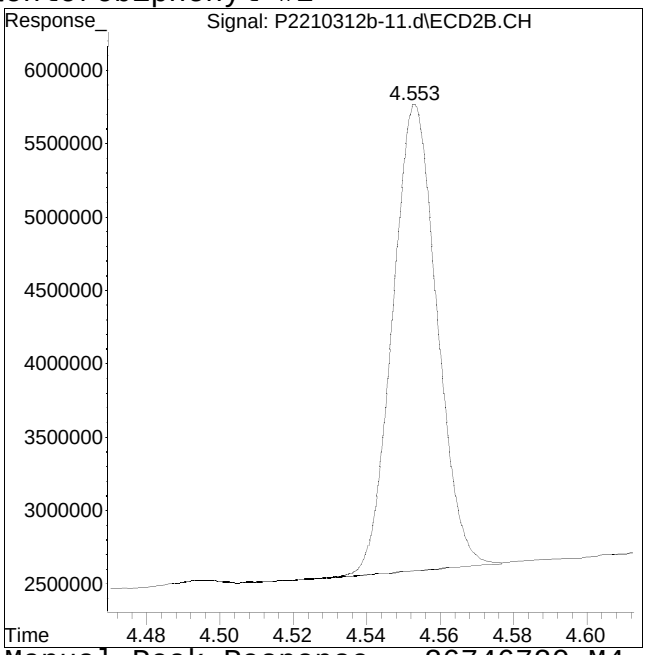
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-11.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:39 am Instrument : PEST 2
Sample : WG1472552-2,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 28818980



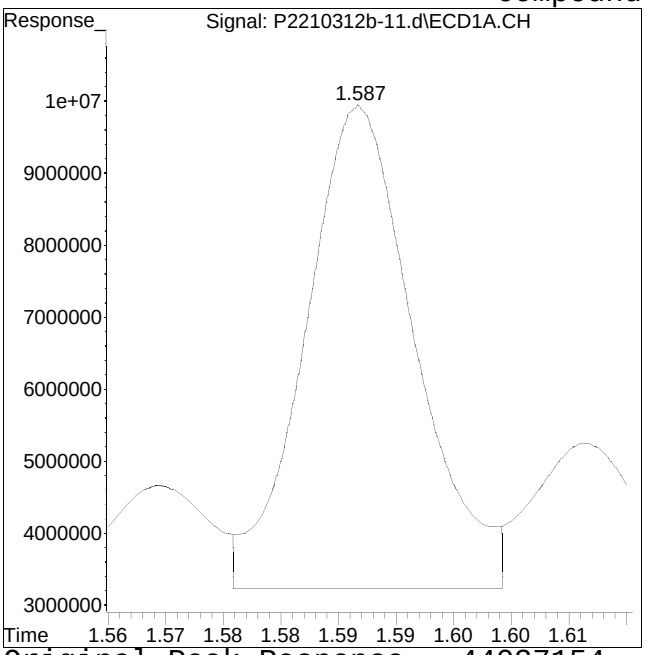
Manual Peak Response = 26746720 M4

M4 = Poor automated baseline construction.

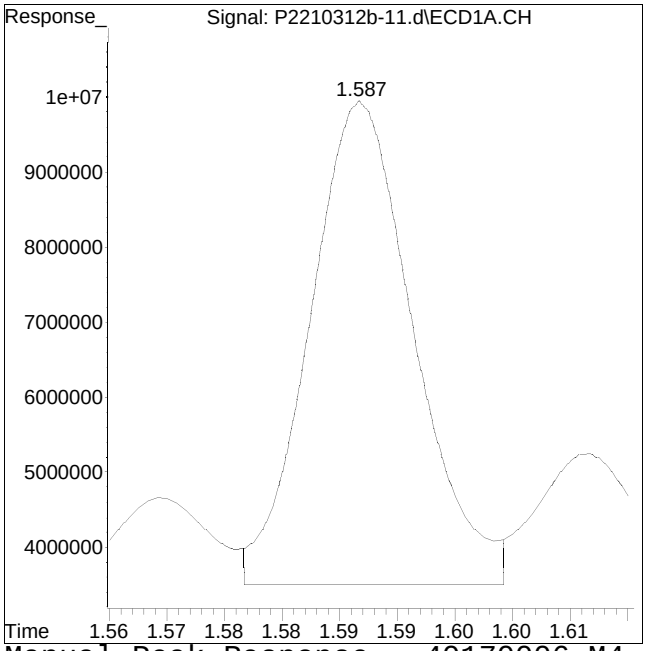
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-11.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:39 am Instrument : PEST 2
Sample : WG1472552-2,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #4: 1016-1



Original Peak Response = 44037154



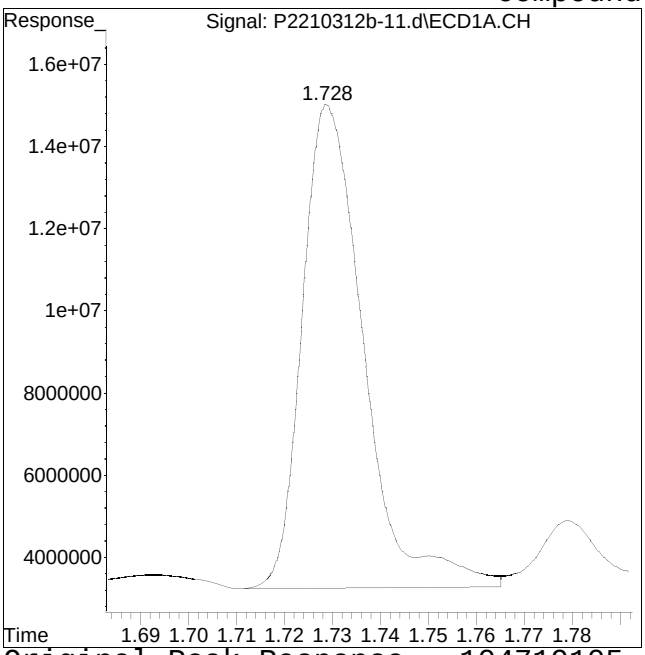
Manual Peak Response = 40170006 M4

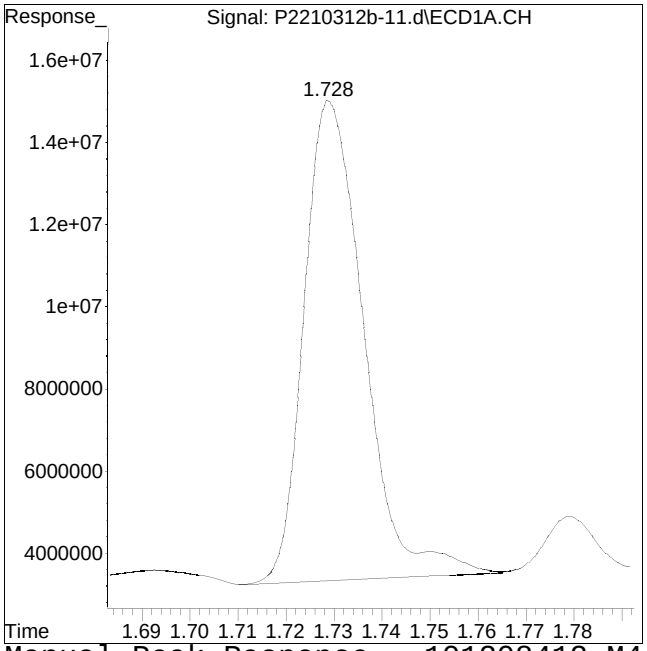
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-11.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:39 am Instrument : PEST 2
Sample : WG1472552-2,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #5: 1016-2



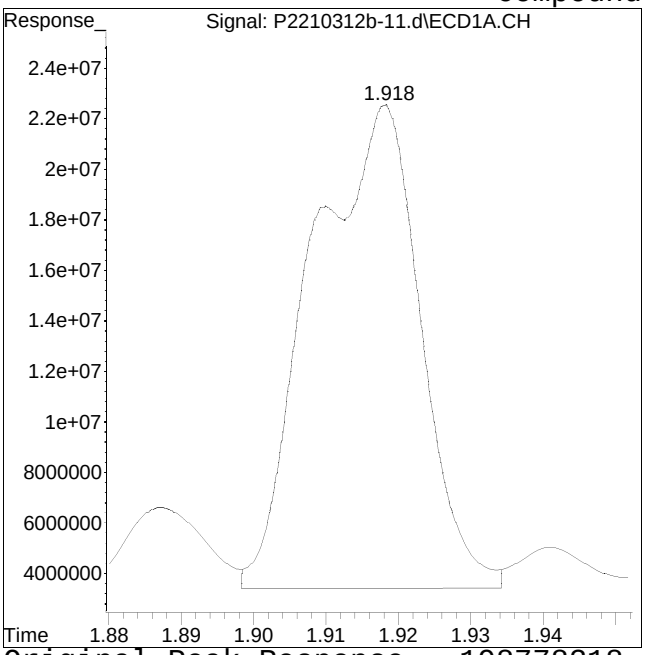


Original Peak Response = 104719105 Manual Peak Response = 101208412 M4
M4 = Poor automated baseline construction.

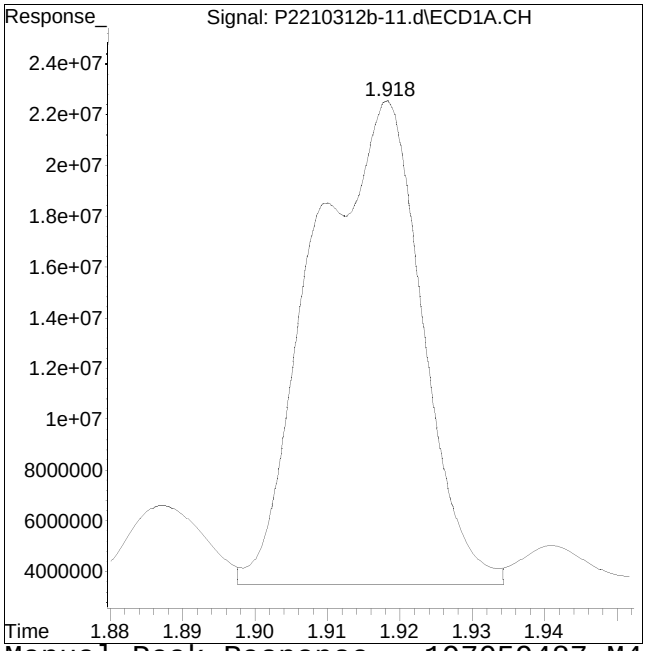
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-11.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:39 am Instrument : PEST 2
Sample : WG1472552-2,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #6: 1016-3



Original Peak Response = 198778318



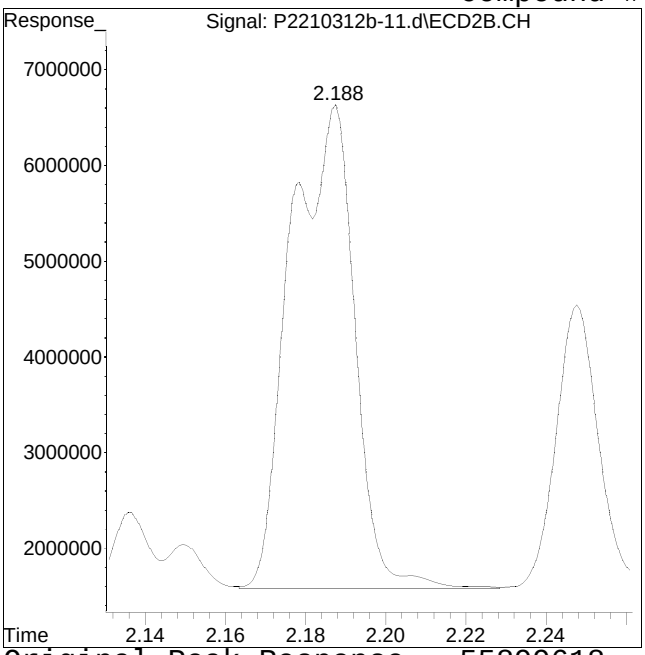
Manual Peak Response = 197059487 M4

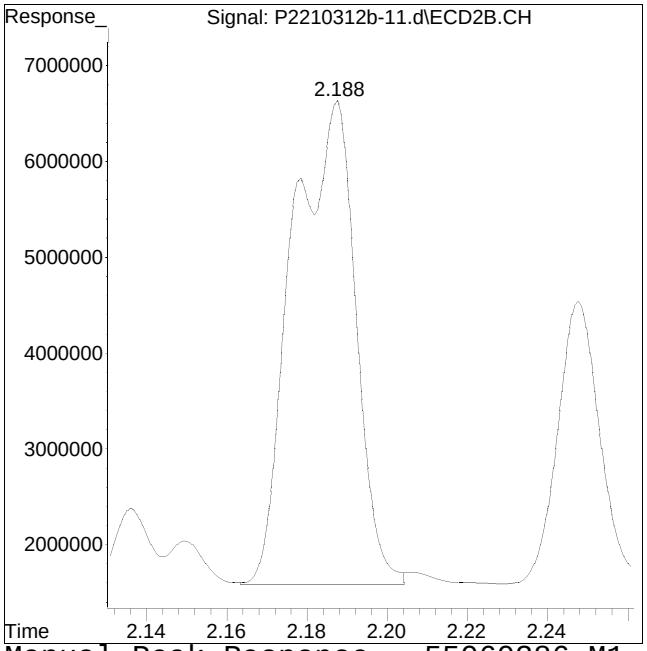
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-11.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:39 am Instrument : PEST 2
Sample : WG1472552-2,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #57: 1016-3 #2



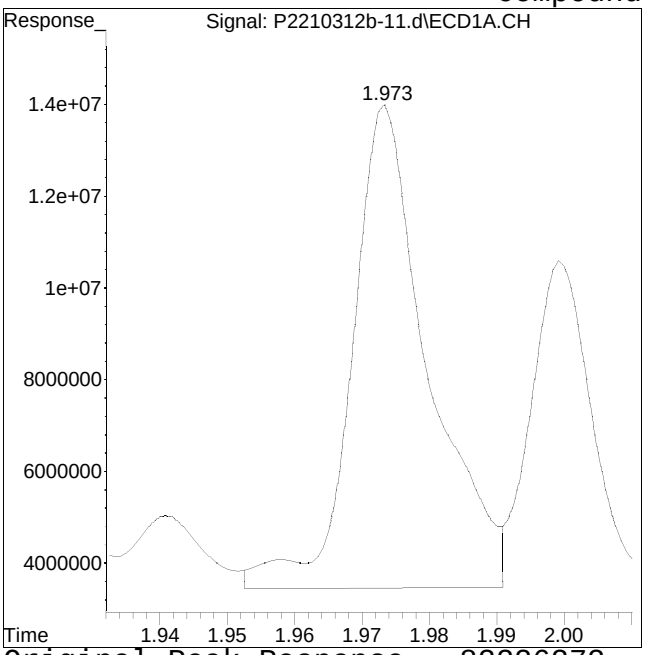


Original Peak Response = 55899618 Manual Peak Response = 55060386 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

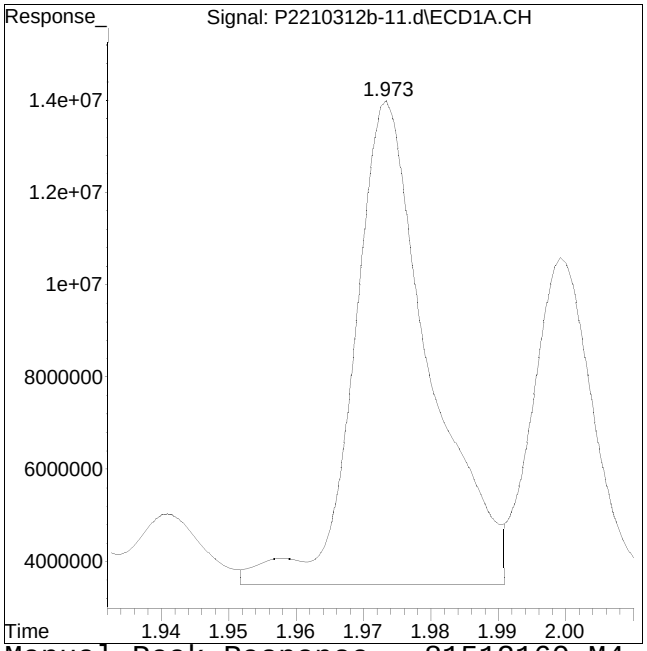
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-11.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:39 am Instrument : PEST 2
Sample : WG1472552-2,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #7: 1016-4



Original Peak Response = 82226272



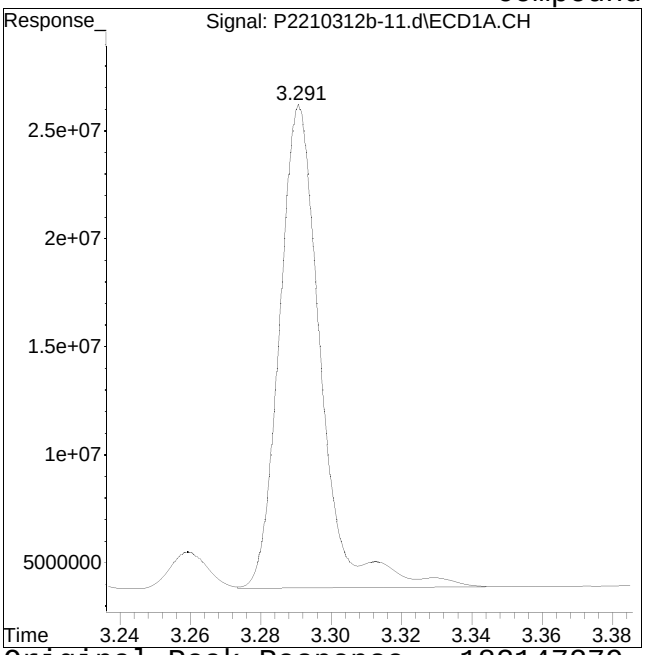
Manual Peak Response = 81512160 M4

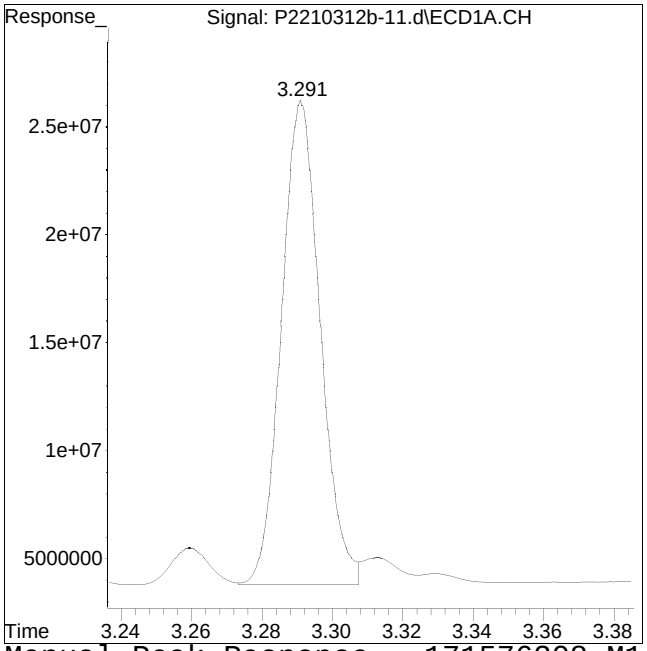
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-11.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:39 am Instrument : PEST 2
Sample : WG1472552-2,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #12: 1260-4



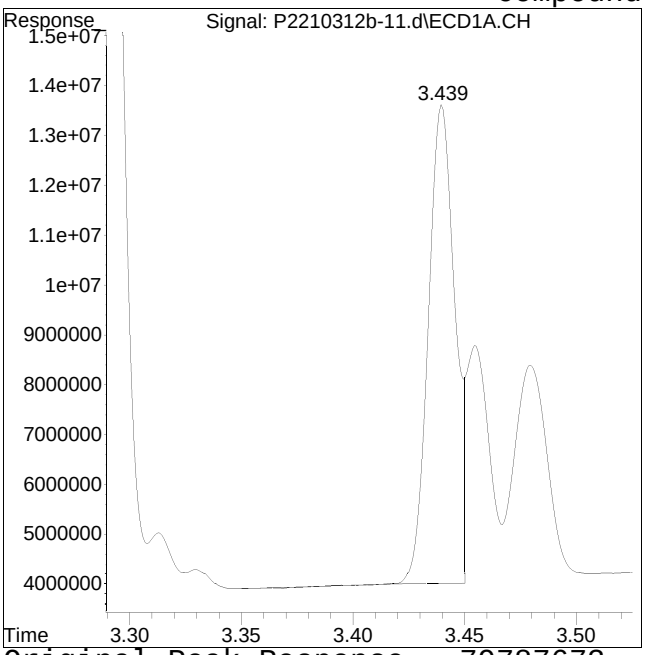


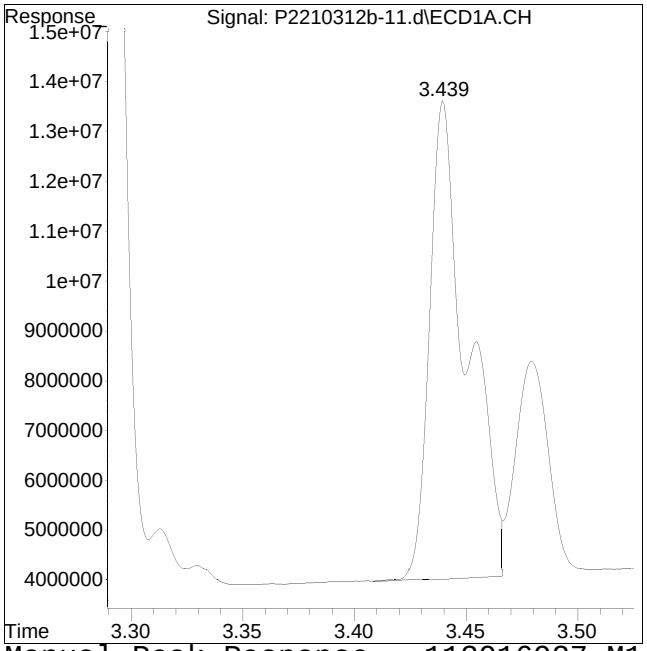
Original Peak Response = 182147279 Manual Peak Response = 171576208 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-11.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:39 am Instrument : PEST 2
Sample : WG1472552-2,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #13: 1260-5





Original Peak Response = 79787673 Manual Peak Response = 112916927 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 10:47 am
Operator : pest2:cw
Sample : WG1472552-3,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:10:53 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312B\P2210312b-06.d
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.158	1.228	171.9E6	46202394	25.000	25.000
Standard Area 1 : #1 = 145484768				Recovery =	118.17%	
Standard Area 1 : #2 = 45687335				Recovery =	101.13%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.447	1.609	212.6E6	54950360	27.746	25.732
Spiked Amount	20.000	Range 30 - 150		Recovery =	138.73%	128.66%
3) s Decachlorobi	4.023	4.553	76627513	27912938	11.275M4	15.755M4
Spiked Amount	20.000	Range 30 - 150		Recovery =	56.38%	78.78%
Target Compounds						
4) l1 1016-1	1.586	1.812	42917712	13709600	309.411M4	343.837
5) l1 1016-2	1.729	1.985	105.0E6	30518059	328.989M4	345.317
6) l1 1016-3	1.918	2.188	211.0E6	58978909	333.866M4	336.519
7) l1 1016-4	1.973	2.248	87640874	24077590	338.300M1	334.652
8) l1 1016-5	2.144	2.460	83121286	18837796	309.376M4	333.428
Sum 1016-1			529.7E6	146.1E6	1619.942	1693.752
Average 1016-1					323.988	338.750
9) l2 1260-1	2.689f	3.073f	97126194	36954846	231.567	319.854
10) l2 1260-2	2.819f	3.175f	151.6E6	39321633	233.629	285.657
11) l2 1260-3	3.135f	3.569f	90815717	28855204	214.489	261.356
12) l2 1260-4	3.291f	3.700f	175.2E6	54756926	198.453M1	240.611
13) l2 1260-5	3.439f	3.902f	118.0E6	38480873	188.791M1	239.504
Sum 1260-1			632.8E6	198.4E6	1066.929	1346.982
Average 1260-1					213.386	269.396
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 10:47 am
Operator : pest2:cw
Sample : WG1472552-3,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:10:53 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312B\P2210312b-06.d
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

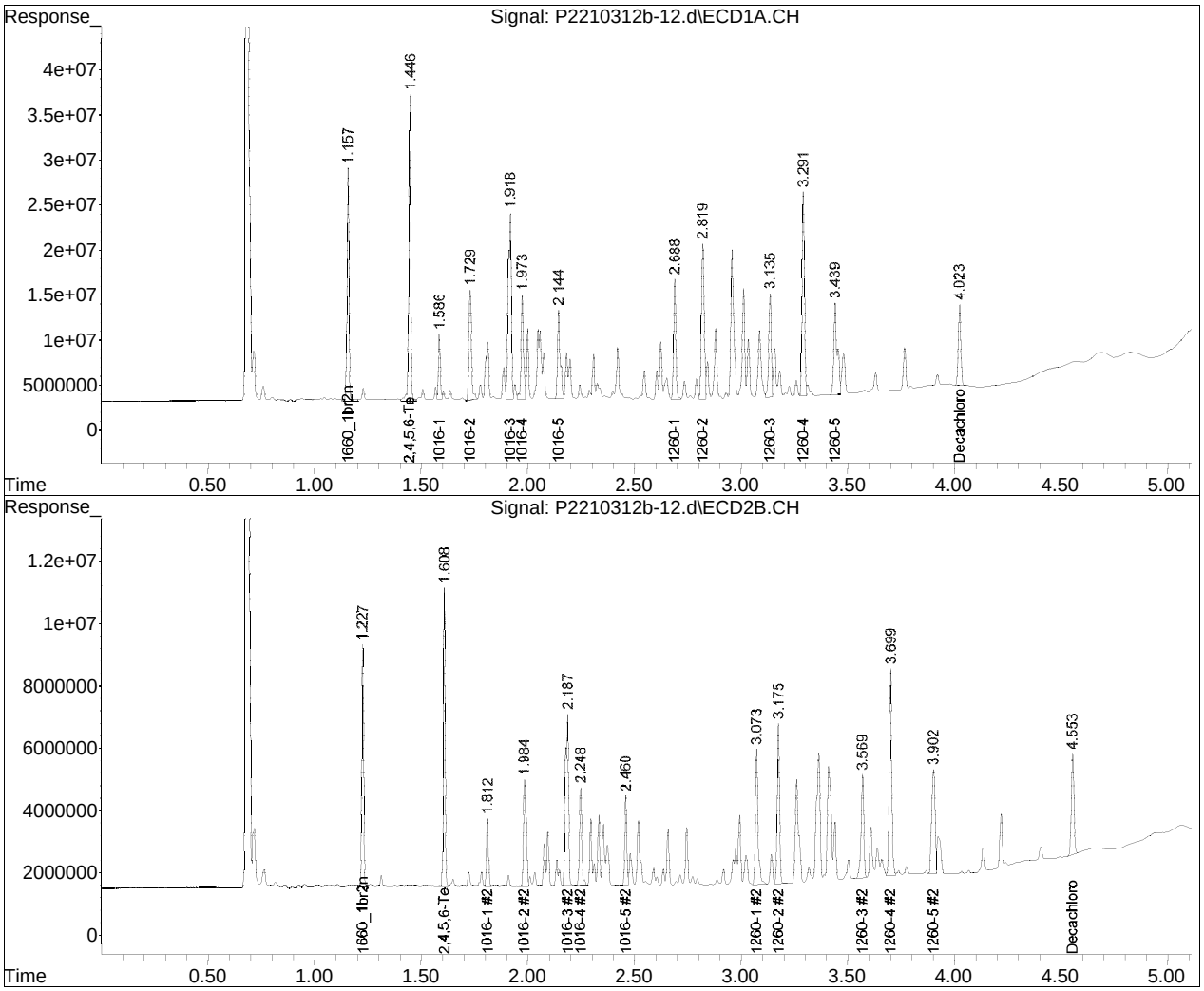
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2021\210312B\P2210312b-06.d••

Data Path : I:\PCB\Pest2\2021\210312B\
Data File : P2210312b-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 10:47 am
Operator : pest2:cw
Sample : WG1472552-3,42,, rr
Misc : wg1473696,WG1472552,ical17506
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 12 11:10:53 2021
Quant Method : I:\PCB\Pest2\2021\210312B\P2_pcb_01_12_21_LVI_ugL_ICAL17506.m
Quant Title : pcb
QLast Update : Sat Feb 20 12:33:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

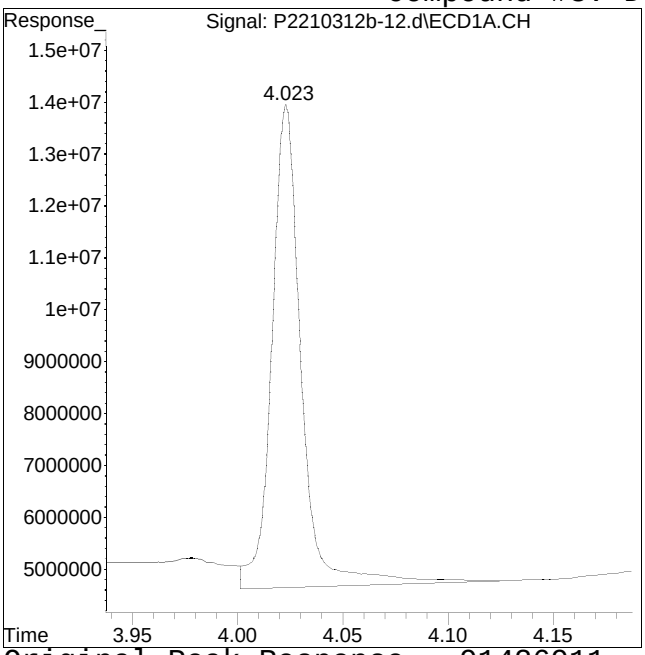
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



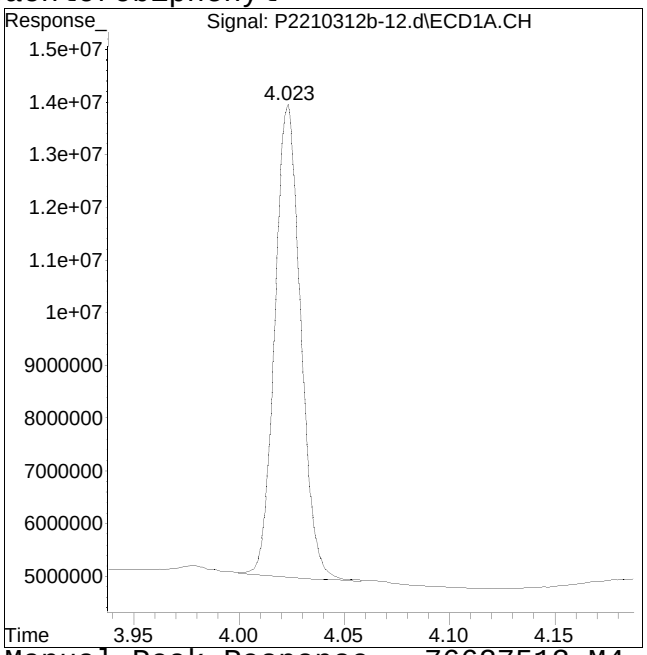
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-12.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:47 am Instrument : PEST 2
Sample : WG1472552-3,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 91426911



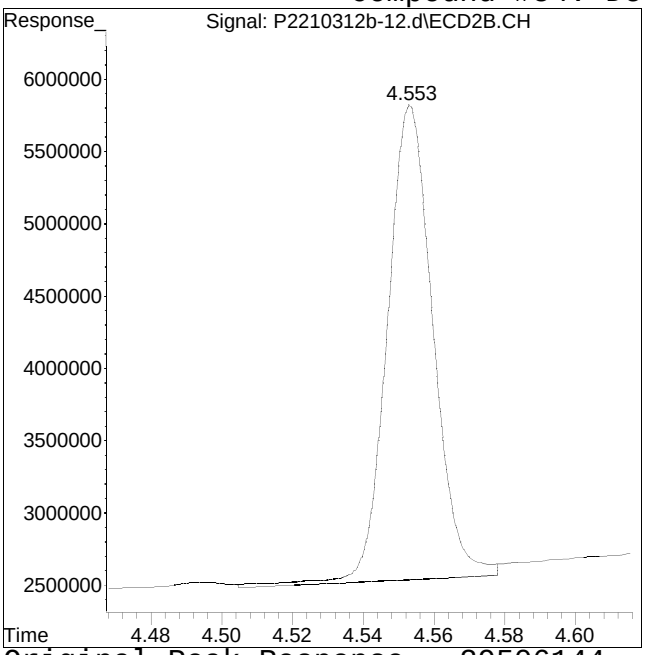
Manual Peak Response = 76627513 M4

M4 = Poor automated baseline construction.

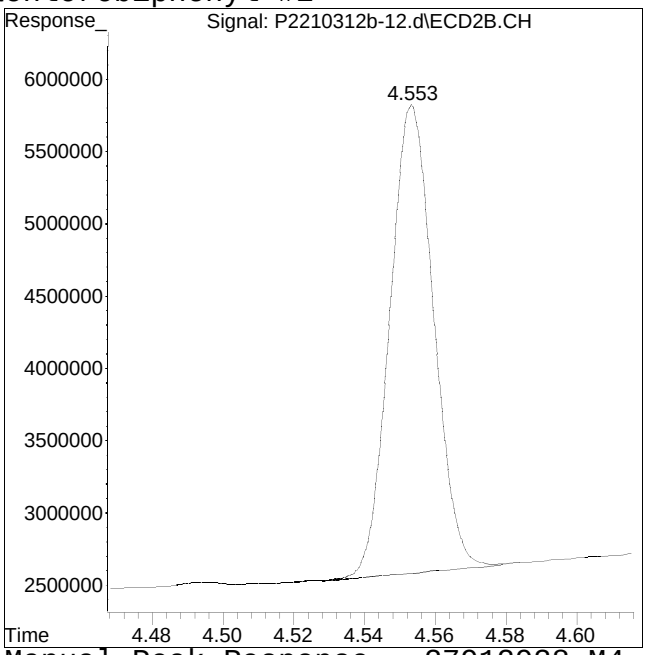
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-12.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:47 am Instrument : PEST 2
Sample : WG1472552-3,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 29506144



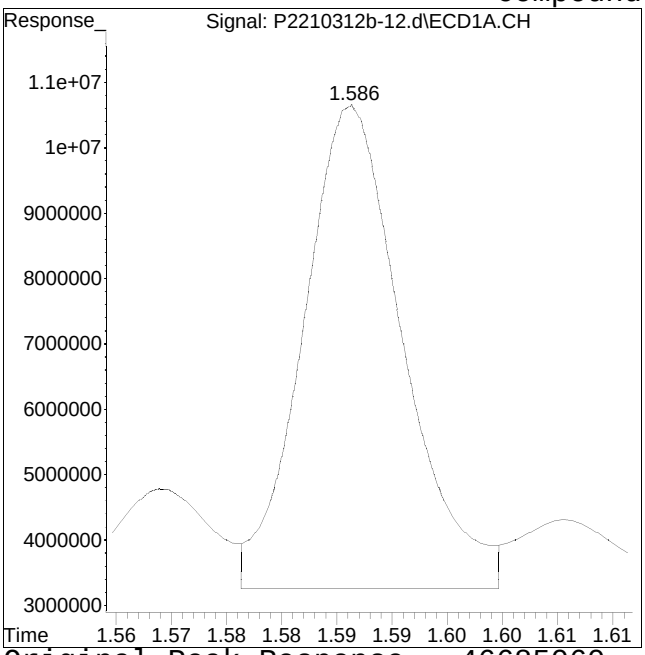
Manual Peak Response = 27912938 M4

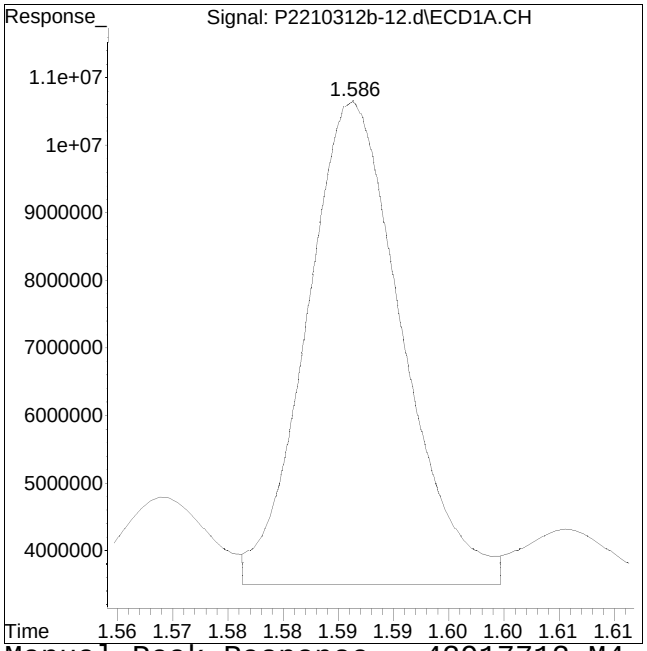
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-12.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:47 am Instrument : PEST 2
Sample : WG1472552-3,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #4: 1016-1



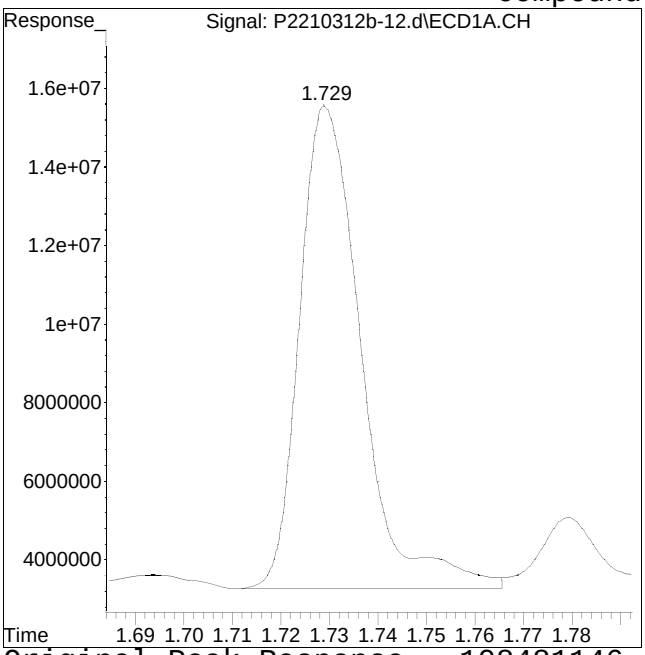


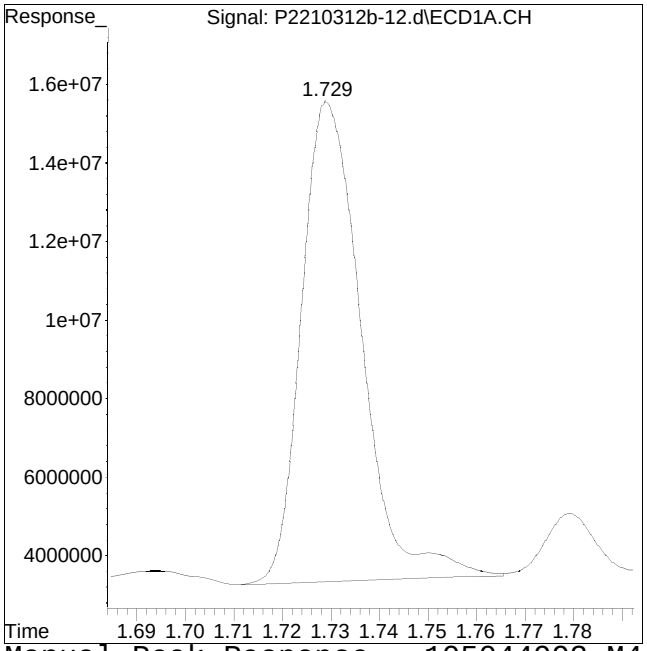
Original Peak Response = 46685060 Manual Peak Response = 42917712 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-12.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:47 am Instrument : PEST 2
Sample : WG1472552-3,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #5: 1016-2



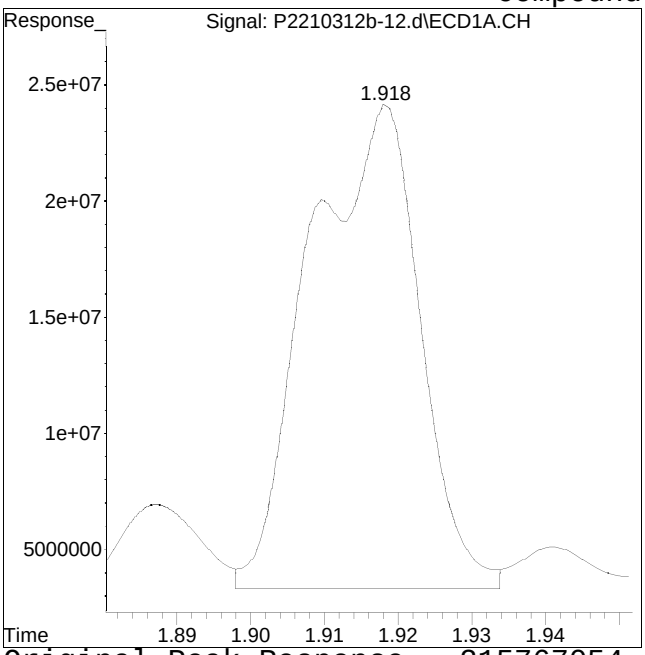


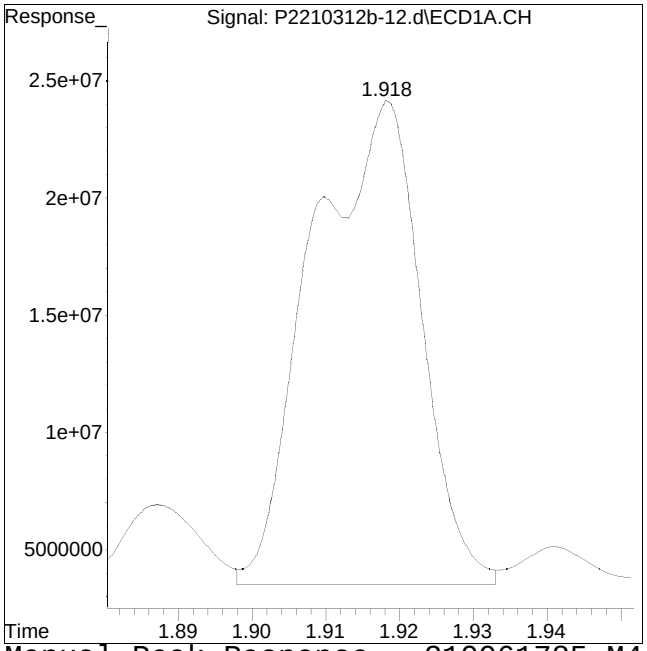
Original Peak Response = 108481146 Manual Peak Response = 105044993 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-12.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:47 am Instrument : PEST 2
Sample : WG1472552-3,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #6: 1016-3



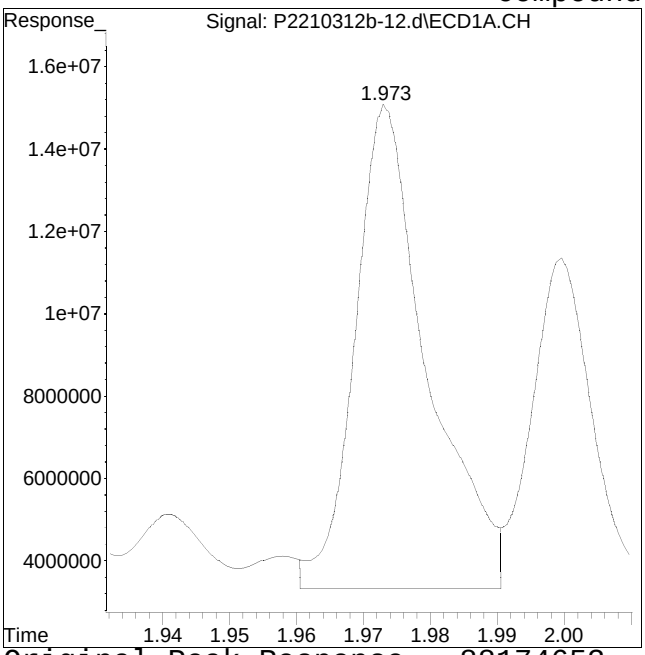


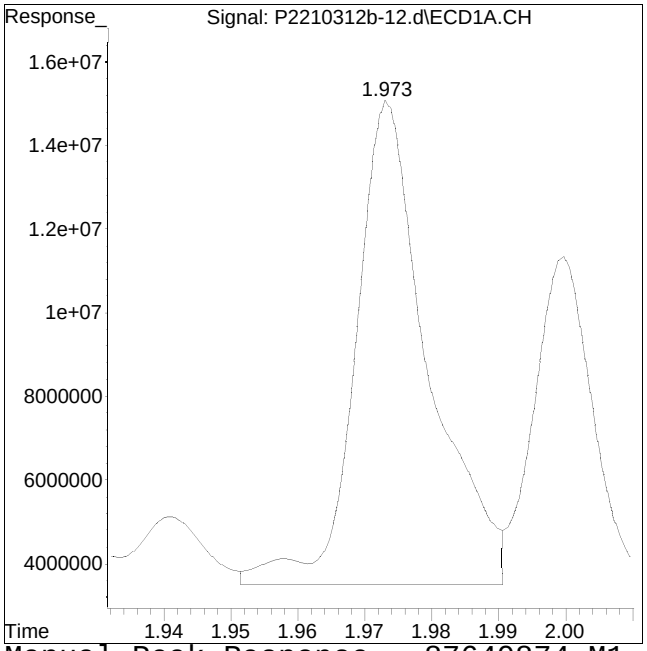
Original Peak Response = 215767054 Manual Peak Response = 210961785 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-12.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:47 am Instrument : PEST 2
Sample : WG1472552-3,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #7: 1016-4



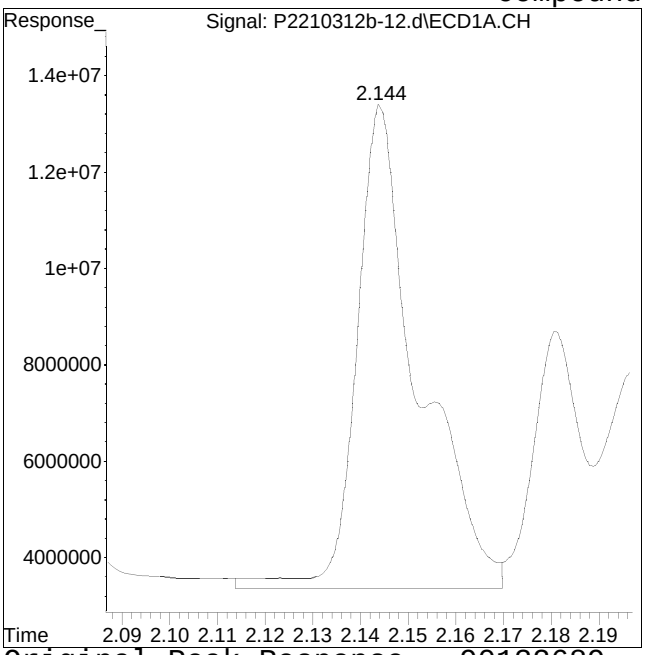


Original Peak Response = 88174653 Manual Peak Response = 87640874 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

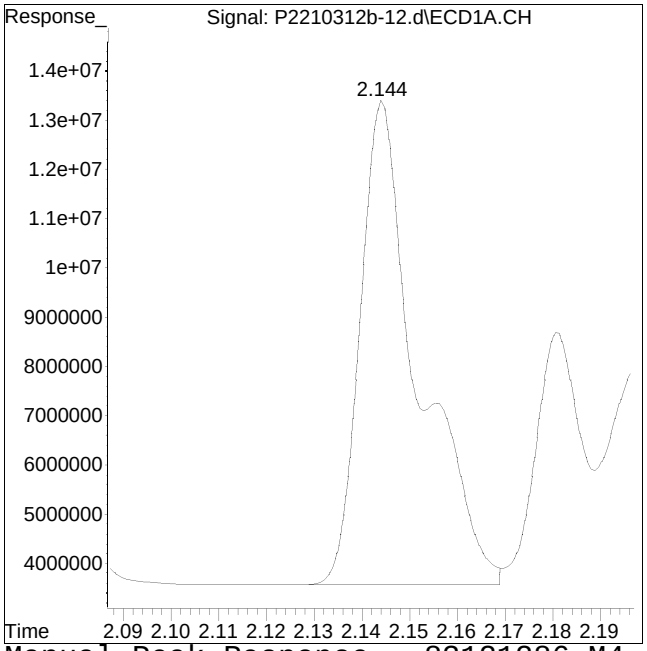
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-12.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:47 am Instrument : PEST 2
Sample : WG1472552-3,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #8: 1016-5



Original Peak Response = 90132689



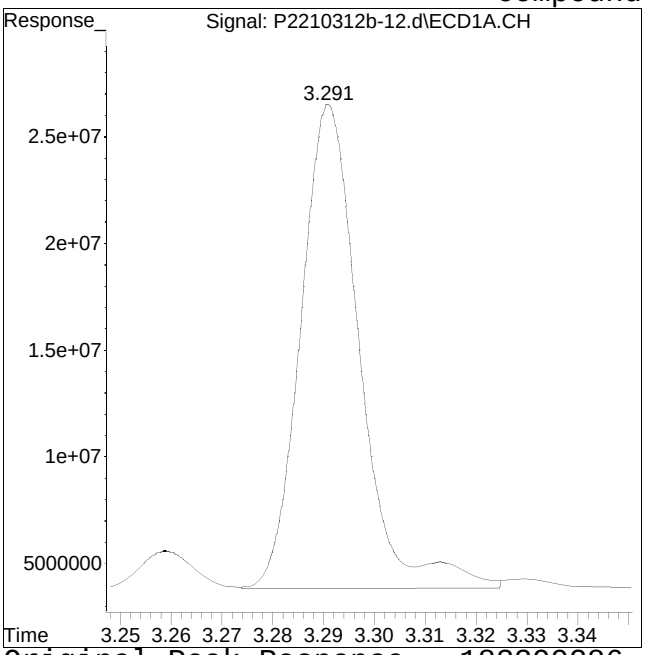
Manual Peak Response = 83121286 M4

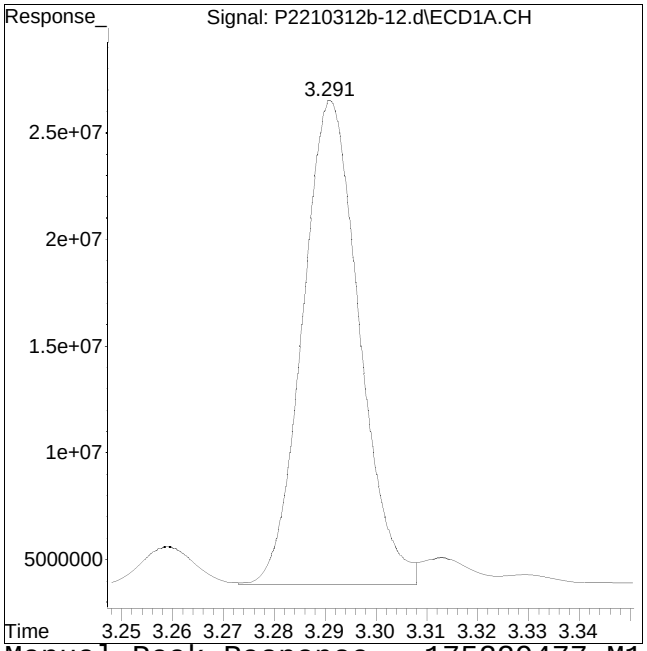
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-12.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:47 am Instrument : PEST 2
Sample : WG1472552-3,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #12: 1260-4



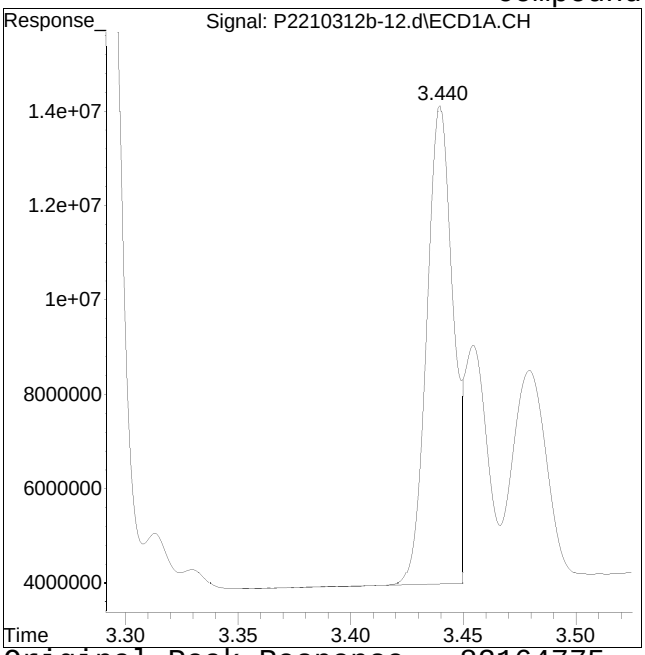


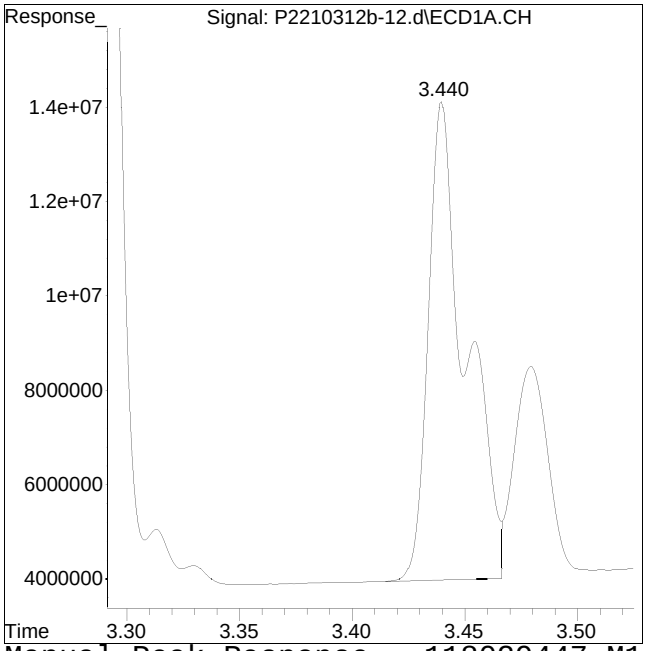
Original Peak Response = 183399286 Manual Peak Response = 175229477 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312B\QMethod : P2_pcb_01_12_21_LVI_ugL_
Data File : P2210312b-12.d Operator : pest2:cw
Date Inj'd : 3/12/2021 10:47 am Instrument : PEST 2
Sample : WG1472552-3,42,, rr Quant Date : 3/12/2021 11:06 am

Compound #13: 1260-5





Original Peak Response = 82164775 Manual Peak Response = 118029447 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:20 pm
Operator : pest2:jm
Sample : WG1472552-4,42,,rr ms
Misc : wg1473959,wg1472552,ical17720 (Sig #1); wg1473959,wg1472552,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:50:56 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.150	1.221	185.8E6	58601771	25.000	25.000
Standard Area 1 : #1 = 186774174				Recovery =	99.47%	
Standard Area 1 : #2 = 55987551				Recovery =	104.67%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.439	1.602	162.5E6	44321811	18.063	16.750
Spiked Amount 20.000	Range 30 - 150		Recovery =	90.31%	83.75%	
3) s Decachlorobi	4.021	4.551	144.5E6	37717453	18.040M4	17.029
Spiked Amount 20.000	Range 30 - 150		Recovery =	90.20%	85.15%	
Target Compounds						
4) l1 1016-1	1.580	1.806	42513867	15586282	274.988M4	314.190M4
5) l1 1016-2	1.724	1.980	104.5E6	29302582	323.876	275.096M4
6) l1 1016-3	1.913	2.183	189.4E6	53988625	270.403M4	242.266
7) l1 1016-4	1.968	2.244	68252958	20633436	245.353M4	230.685
8) l1 1016-5	2.139	2.456	77939065	17652459	253.235M4	237.159M4
Sum 1016-1			482.5E6	137.2E6	1367.855	1299.397
Average 1016-1					273.571	259.879
9) l2 1260-1	2.685	3.069	147.6E6	43815696	316.303M4	299.467M4
10) l2 1260-2	2.815	3.172	213.0E6	48337954	305.554M4	280.325
11) l2 1260-3	3.132	3.567	122.2E6	37207945	283.445M4	246.855
12) l2 1260-4	3.288	3.697	276.3E6	76310207	282.537M4	262.447
13) l2 1260-5	3.436	3.900	208.8E6	55591608	284.620M4	262.904
Sum 1260-1			967.9E6	261.3E6	1472.459	1351.998
Average 1260-1					294.492	270.400
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:20 pm
Operator : pest2:jm
Sample : WG1472552-4,42,,rr ms
Misc : wg1473959,wg1472552,ical17720 (Sig #1); wg1473959,wg1472552,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:50:56 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

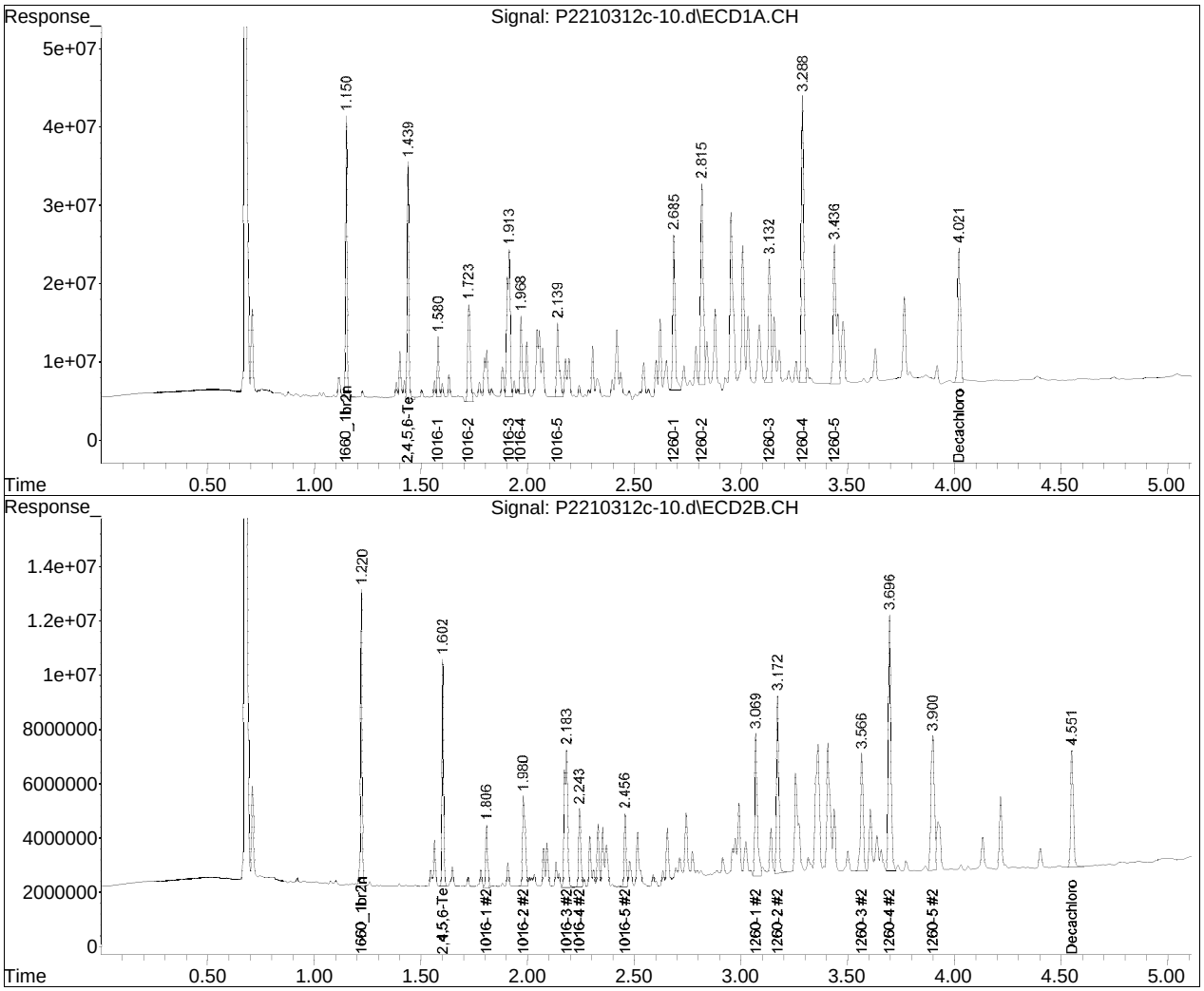
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2021\210312C\P2210312c-01.d••

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:20 pm
Operator : pest2:jm
Sample : WG1472552-4,42,,rr ms
Misc : wg1473959,wg1472552,ical17720 (Sig #1); wg1473959,wg1472552,ical (
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:50:56 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

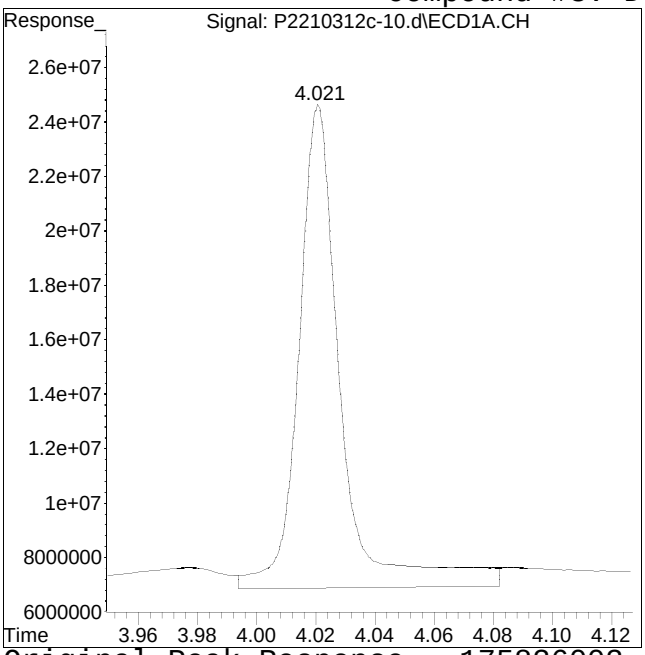
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



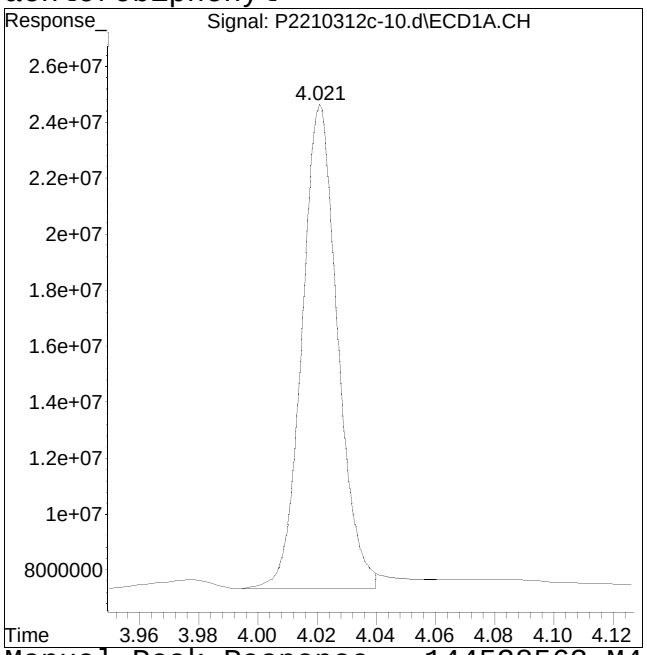
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 175836003



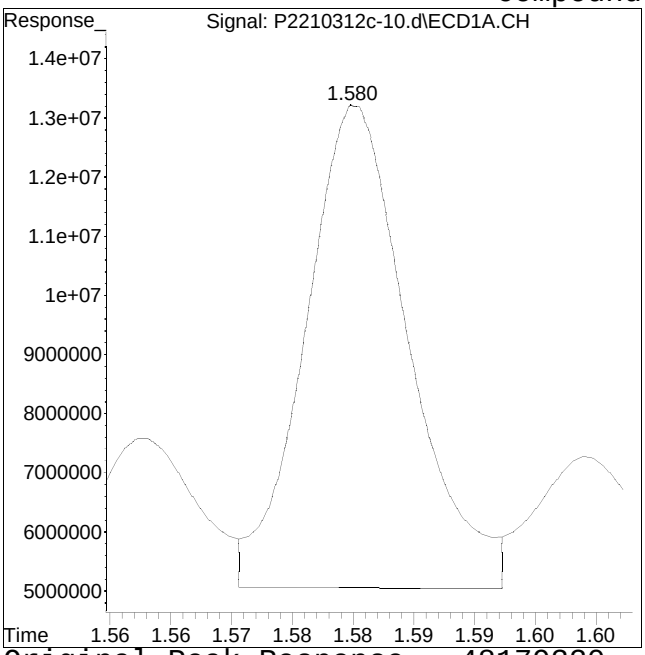
Manual Peak Response = 144538563 M4

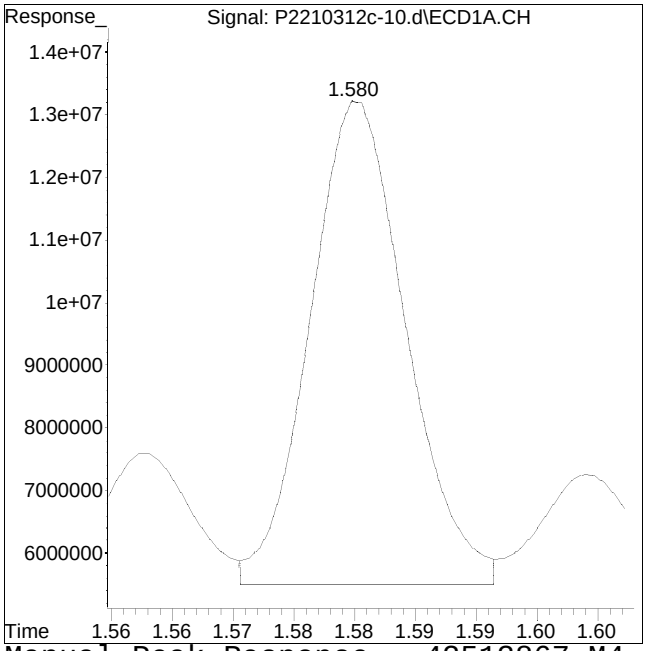
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #4: 1016-1



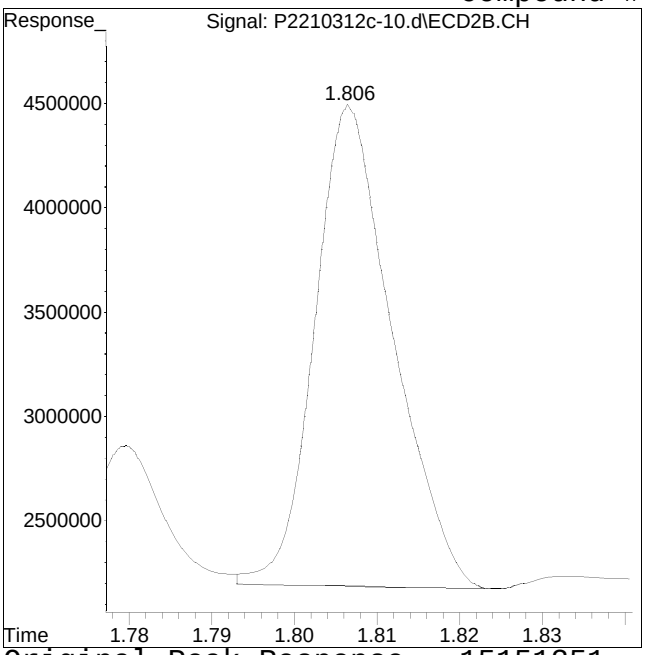


Original Peak Response = 48179330 Manual Peak Response = 42513867 M4
M4 = Poor automated baseline construction.

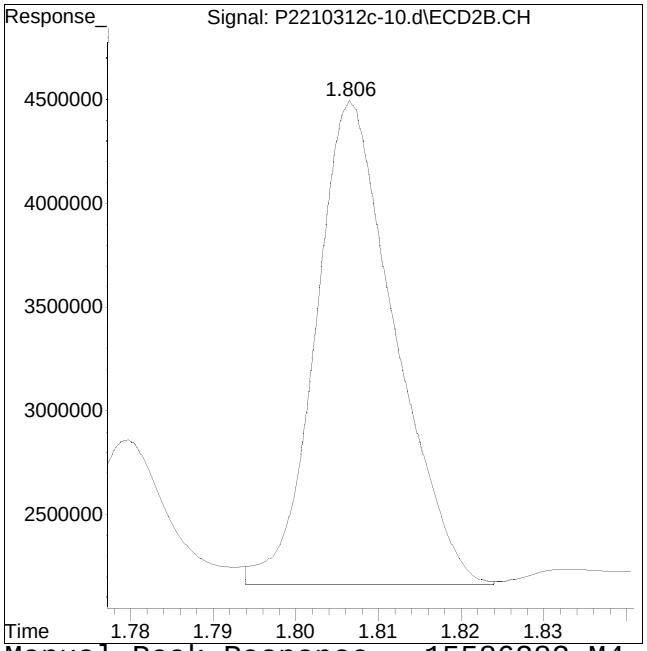
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #55: 1016-1 #2



Original Peak Response = 15151251



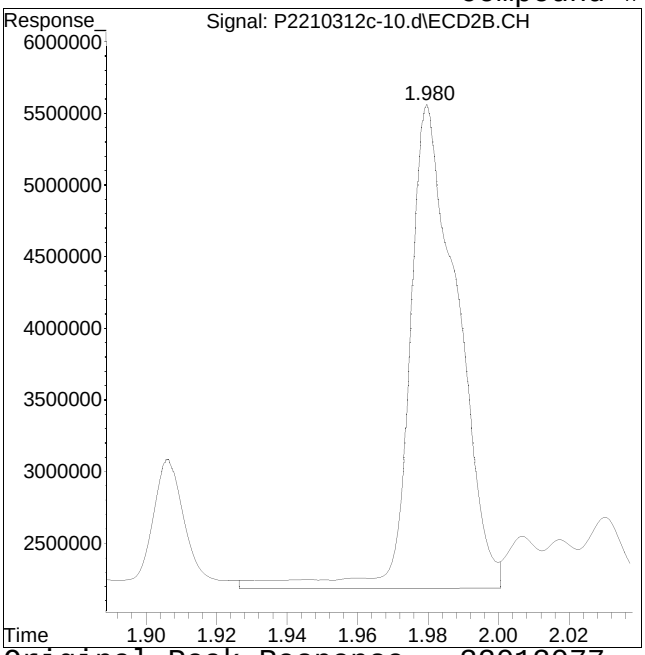
Manual Peak Response = 15586282 M4

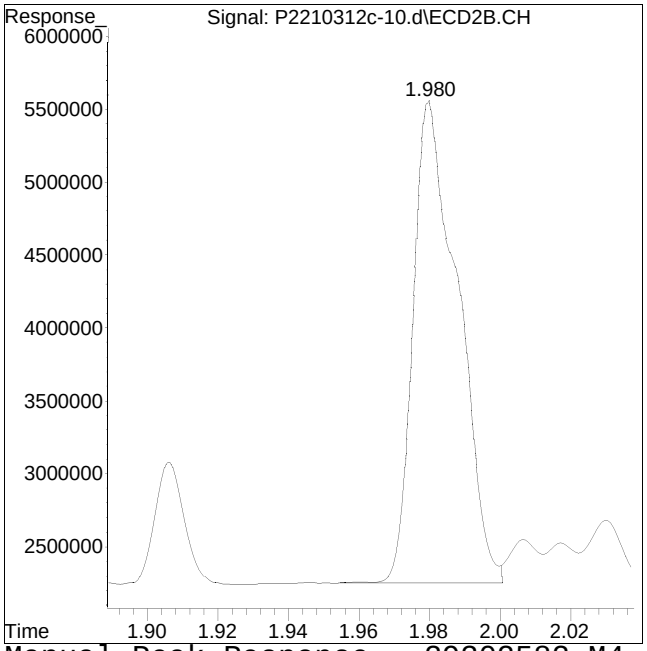
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #56: 1016-2 #2



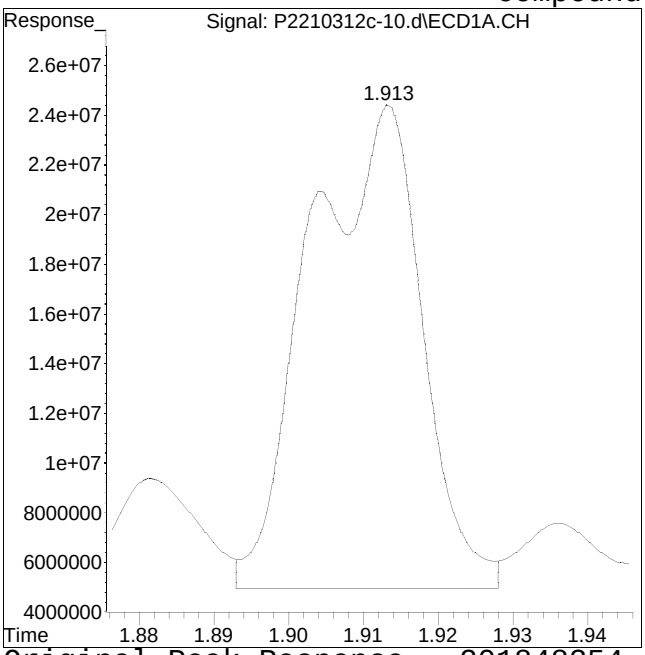


Original Peak Response = 32013077 Manual Peak Response = 29302582 M4
M4 = Poor automated baseline construction.

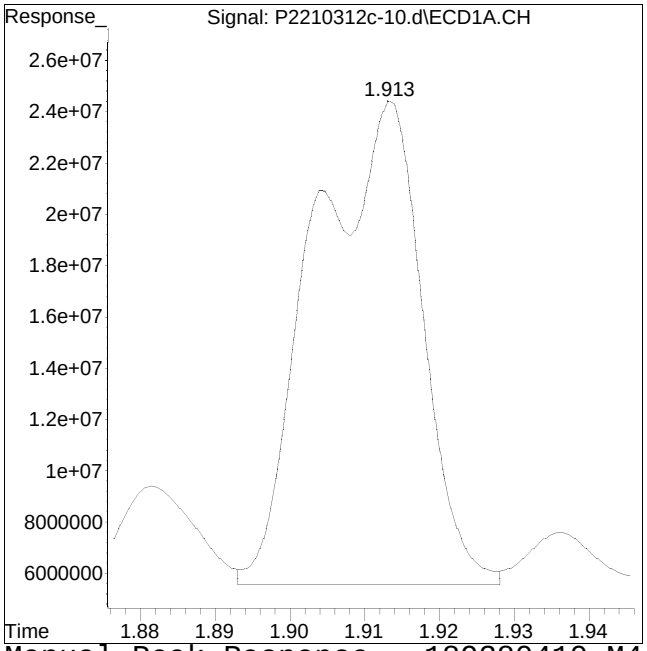
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #6: 1016-3



Original Peak Response = 201848354



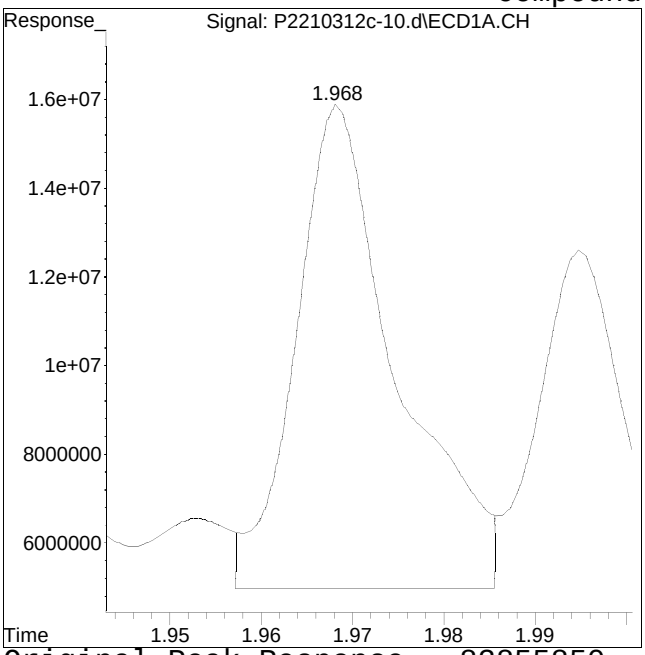
Manual Peak Response = 189380410 M4

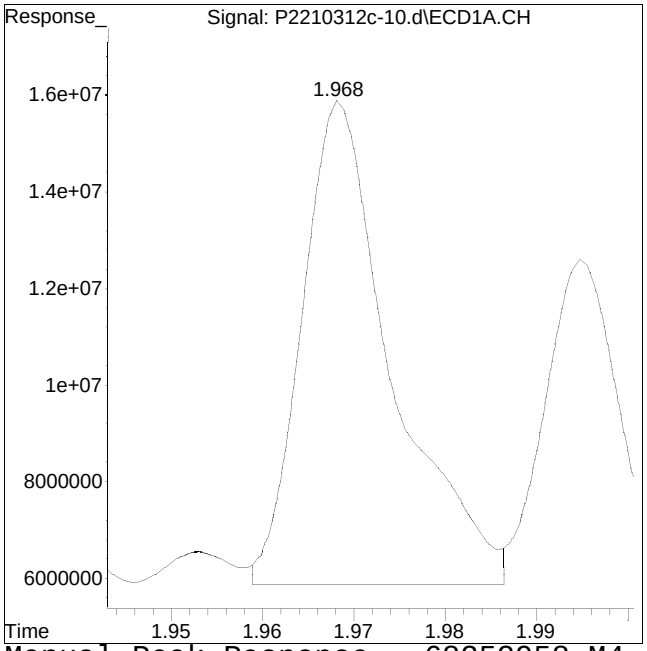
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #7: 1016-4



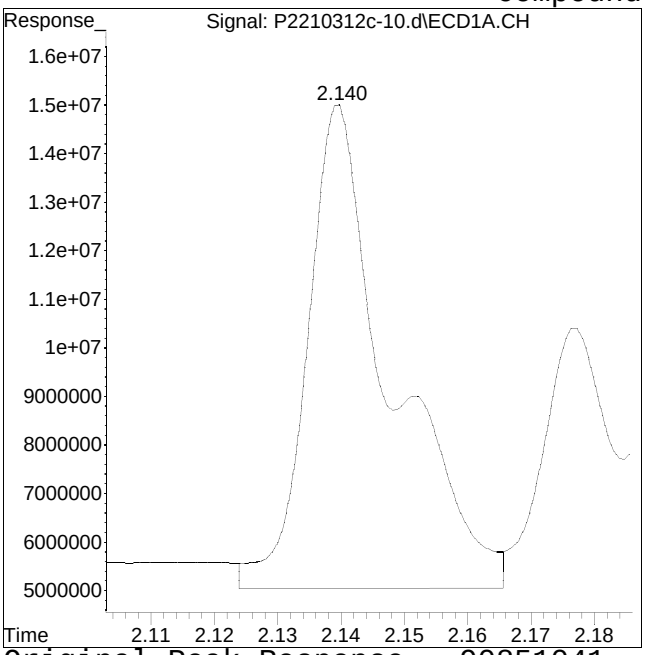


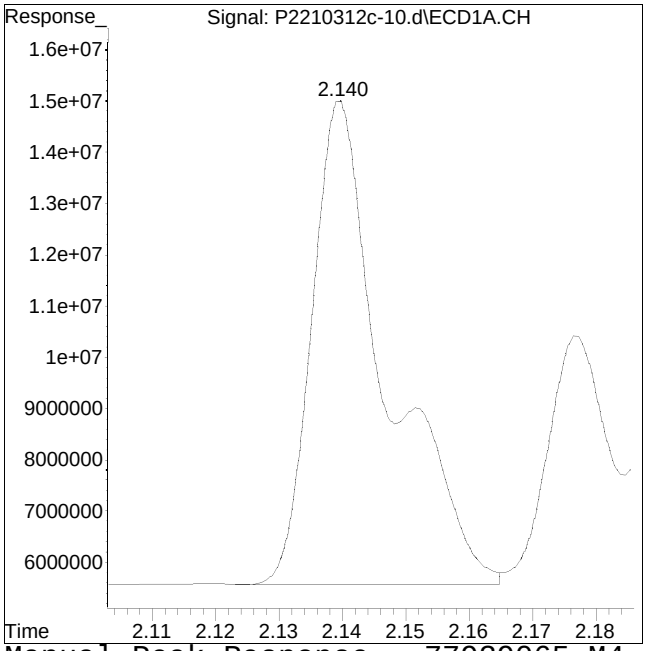
Original Peak Response = 83855850 Manual Peak Response = 68252958 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #8: 1016-5



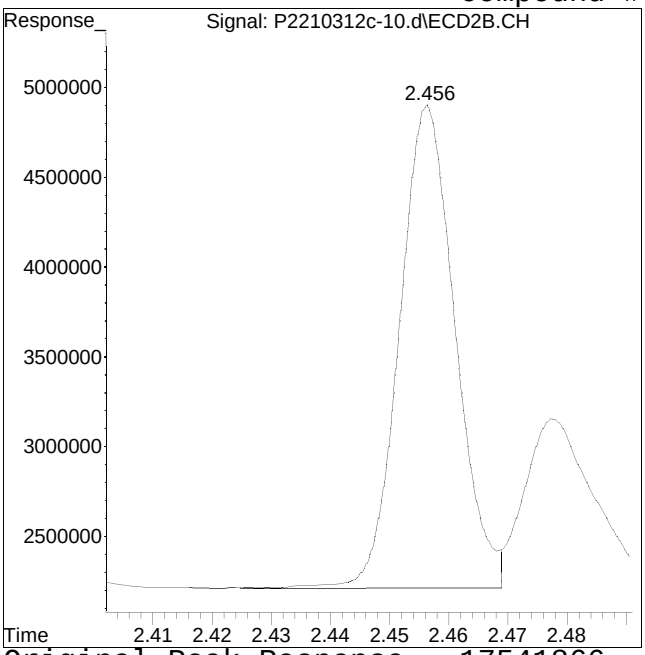


Original Peak Response = 90851041 Manual Peak Response = 77939065 M4
M4 = Poor automated baseline construction.

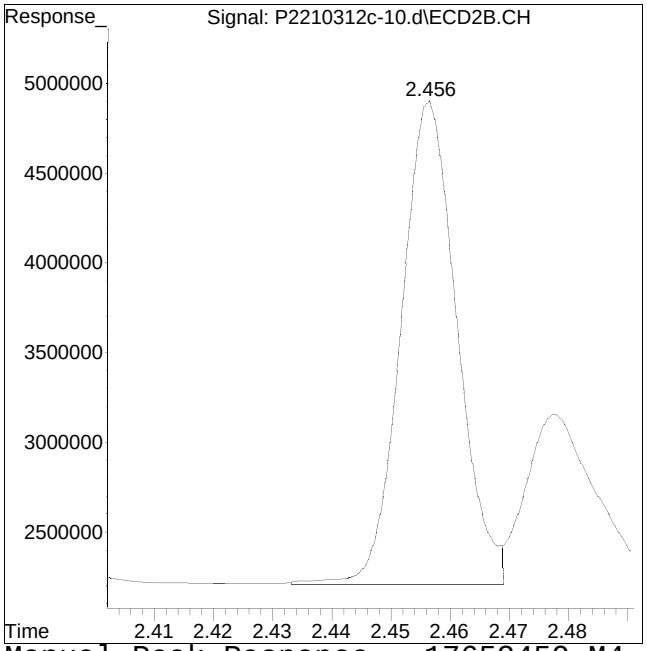
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #59: 1016-5 #2



Original Peak Response = 17541866



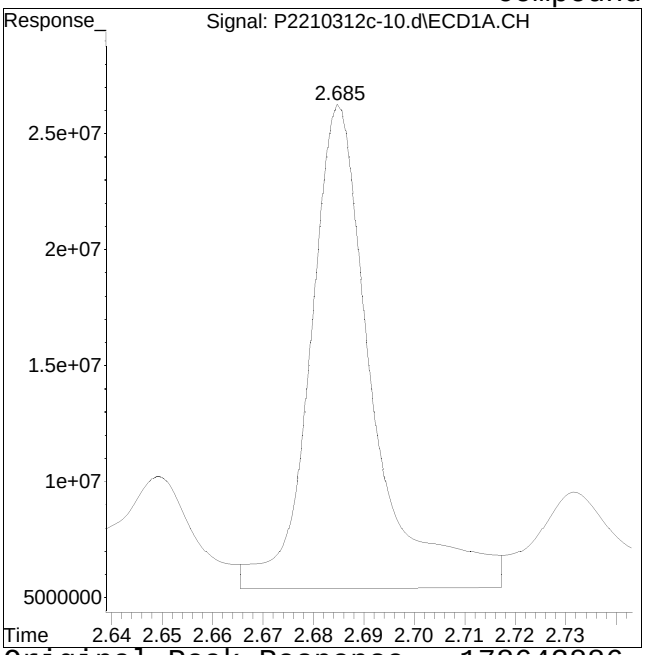
Manual Peak Response = 17652459 M4

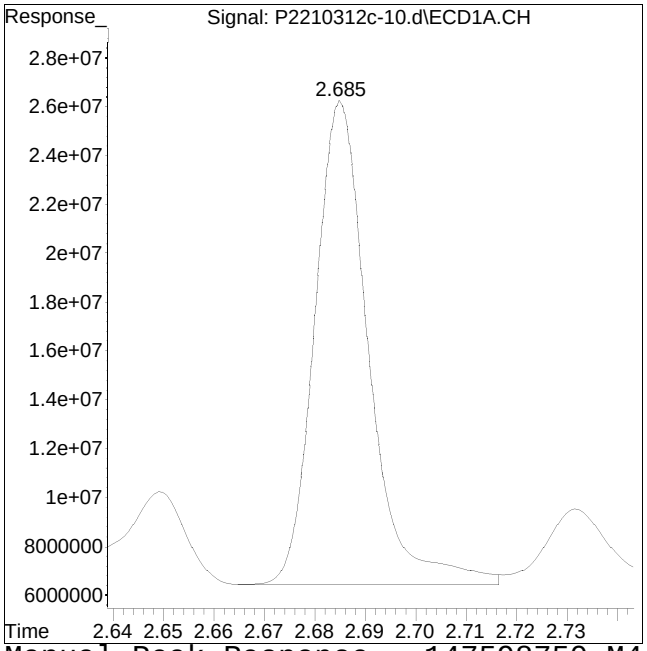
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #9: 1260-1



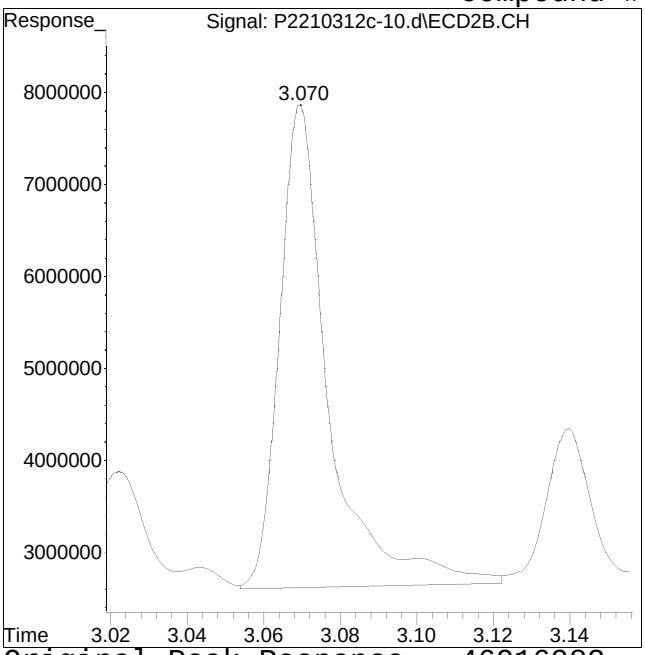


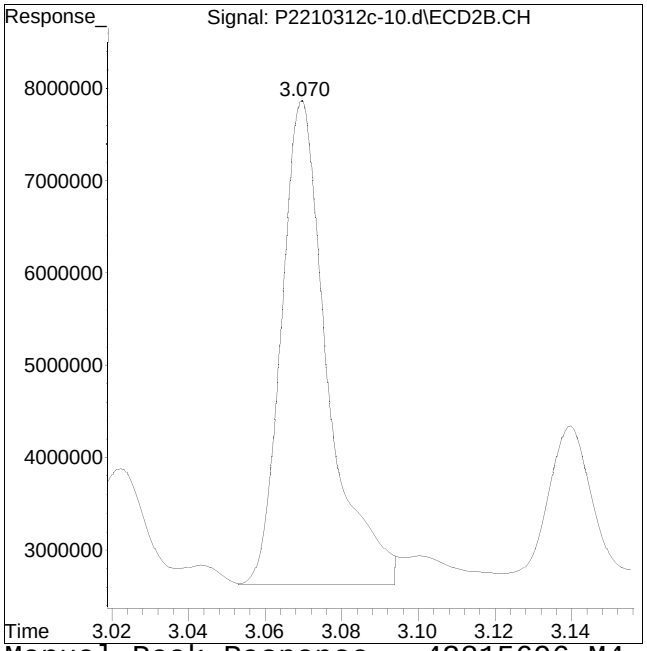
Original Peak Response = 178643886 Manual Peak Response = 147598750 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #60: 1260-1 #2



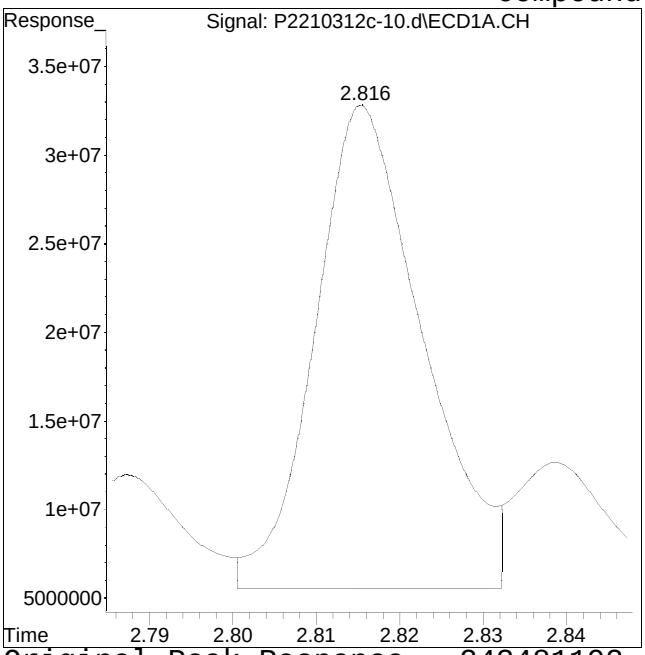


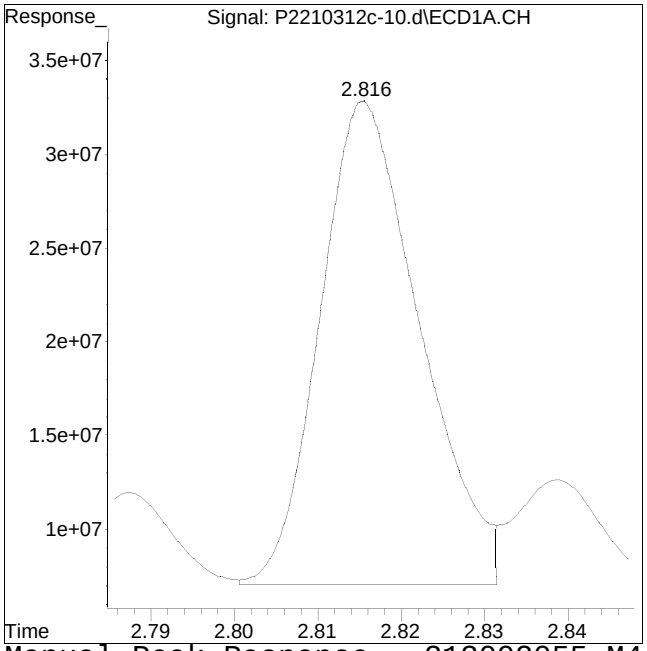
Original Peak Response = 46916982 Manual Peak Response = 43815696 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #10: 1260-2



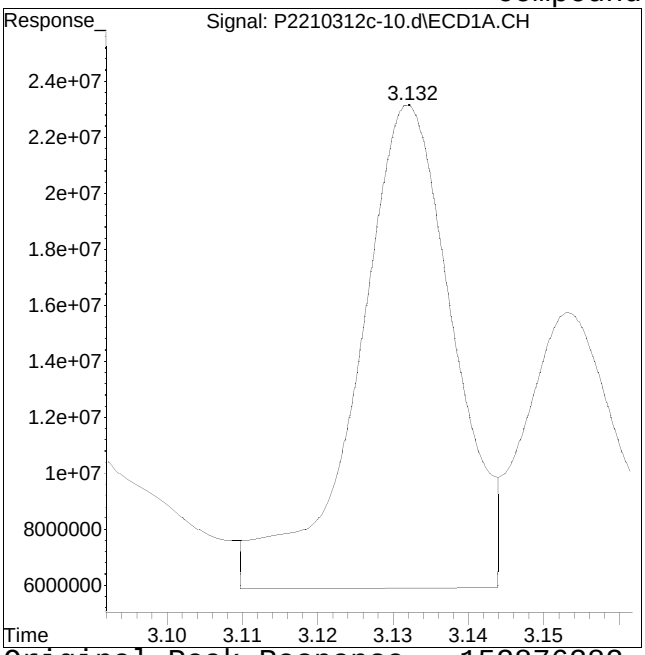


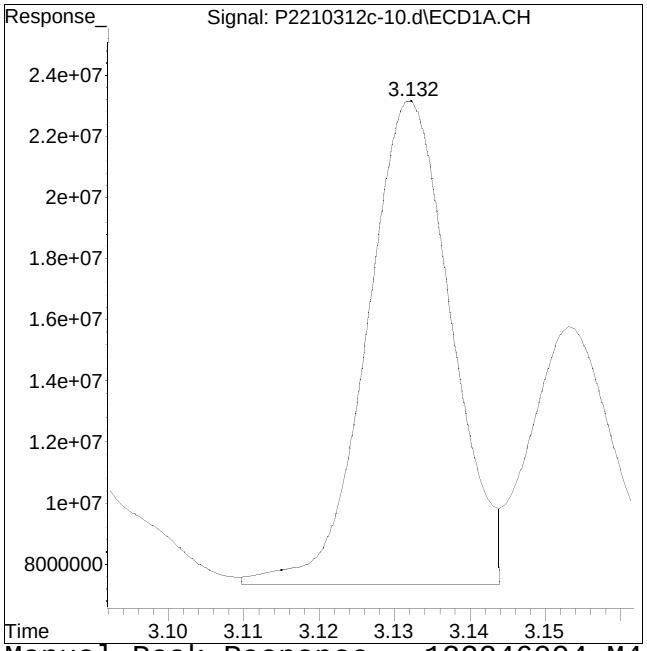
Original Peak Response = 243481192 Manual Peak Response = 213002055 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #11: 1260-3



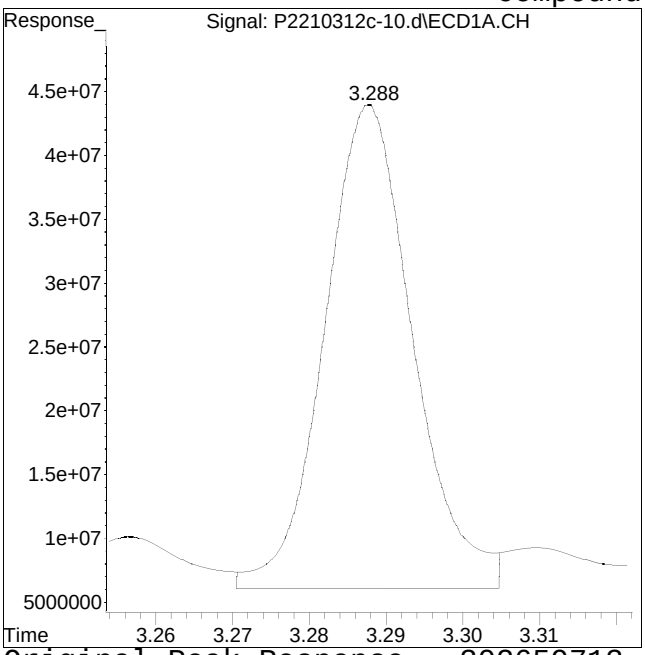


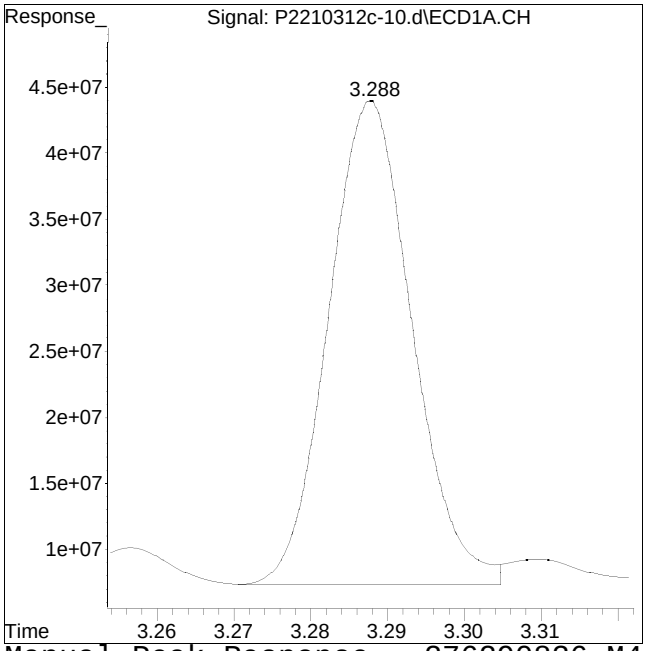
Original Peak Response = 152876382 Manual Peak Response = 122246094 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #12: 1260-4



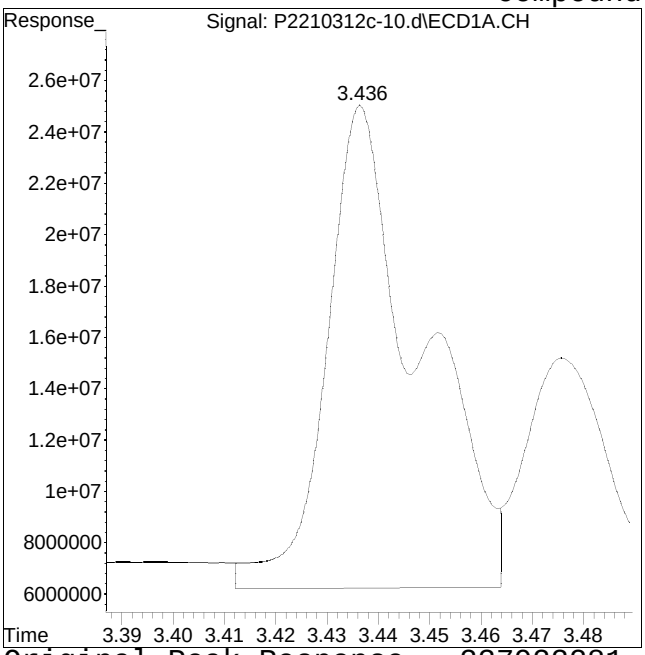


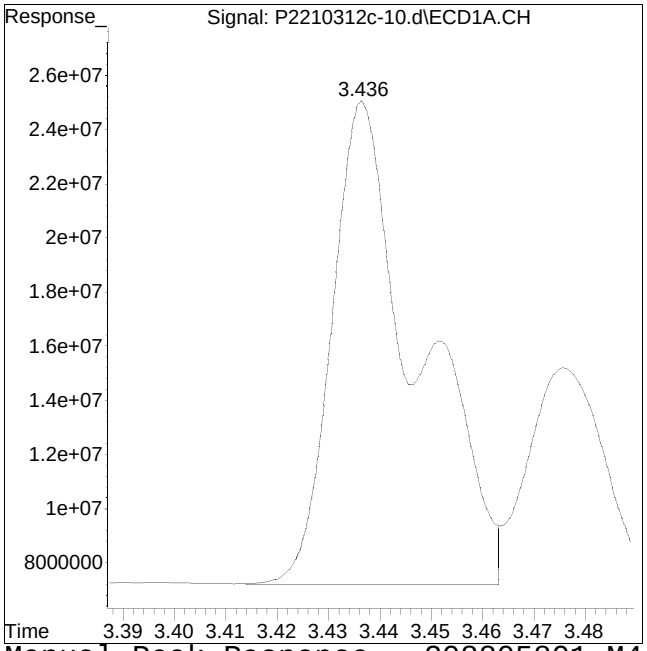
Original Peak Response = 302659713 Manual Peak Response = 276290836 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-10.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:20 pm Instrument : PEST 2
Sample : WG1472552-4,42,,rr ms Quant Date : 3/13/2021 7:24 am

Compound #13: 1260-5





Original Peak Response = 237922281 Manual Peak Response = 208805801 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:28 pm
Operator : pest2:jm
Sample : WG1472552-5,42,,rr msd
Misc : wg1473959,wg1472552,ical17720 (Sig #1); wg1473959,wg1472552,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:55:18 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.151	1.222	171.2E6	61059434	25.000M4	25.000
Standard Area 1 : #1 = 186774174				Recovery =	91.65%	
Standard Area 1 : #2 = 55987551				Recovery =	109.06%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.440	1.603	172.3E6	48957051	20.780M4	17.757
Spiked Amount 20.000	Range 30 - 150		Recovery =	103.90%	88.78%	
3) s Decachlorobi	4.021	4.551	152.8E6	40888286	20.706M4	17.717M4
Spiked Amount 20.000	Range 30 - 150		Recovery =	103.53%	88.58%	
Target Compounds						
4) l1 1016-1	1.581	1.807	47762280	15155636	335.315M4	293.212
5) l1 1016-2	1.724	1.980	101.2E6	32613194	340.431M4	293.853M4
6) l1 1016-3	1.913	2.184	209.6E6	59618139	324.901M4	256.759
7) l1 1016-4	1.968	2.244	87273273	22692367	340.515M4	243.493
8) l1 1016-5	2.140	2.457	85984210	19297247	303.230M4	248.821
Sum 1016-1			531.8E6	149.4E6	1644.393	1336.139
Average 1016-1					328.879	267.228
9) l2 1260-1	2.685	3.071	143.8E6	47118302	334.373M4	309.077
10) l2 1260-2	2.816	3.173	223.5E6	49633891	347.991M4	276.255
11) l2 1260-3	3.132	3.568	132.2E6	38527612	332.670M4	245.322
12) l2 1260-4	3.288	3.698	280.7E6	81160570	311.597M4	267.893
13) l2 1260-5	3.436	3.900	221.0E6	59262351	326.894M1	268.983
Sum 1260-1			1001.1E6	275.7E6	1653.526	1367.530
Average 1260-1					330.705	273.506
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:28 pm
Operator : pest2:jm
Sample : WG1472552-5,42,,rr msd
Misc : wg1473959,wg1472552,ical17720 (Sig #1); wg1473959,wg1472552,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:55:18 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2021\210312C\P2210312c-01.d
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

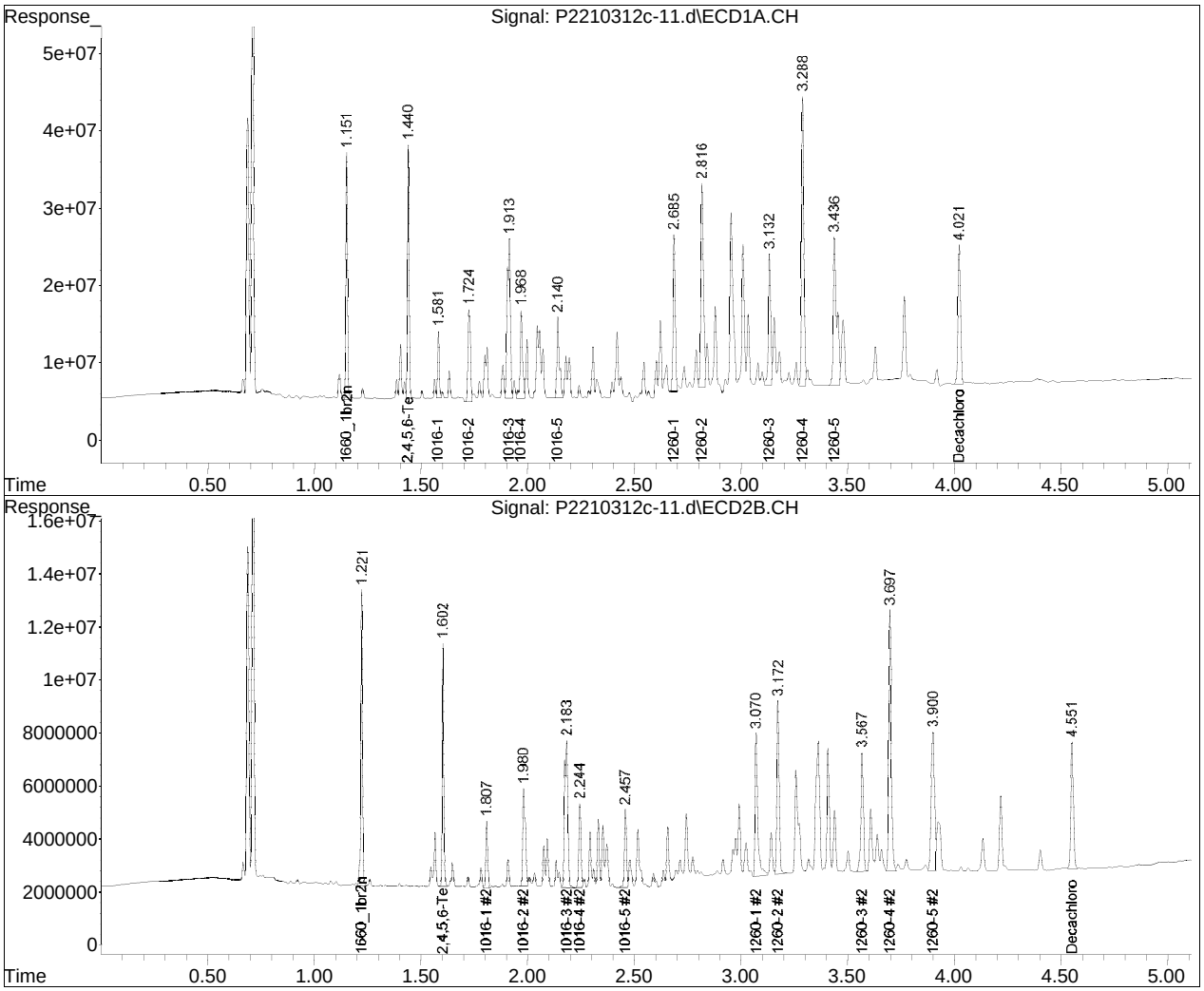
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2021\210312C\P2210312c-01.d••

Data Path : I:\PCB\Pest2\2021\210312C\
Data File : P2210312c-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Mar 2021 8:28 pm
Operator : pest2:jm
Sample : WG1472552-5,42,,rr msd
Misc : wg1473959,wg1472552,ical17720 (Sig #1); wg1473959,wg1472552,ical (
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 13 11:55:18 2021
Quant Method : I:\PCB\Pest2\2021\210312C\P2_pcb_03_12_21_LVI_ugL_ICAL17720.m
Quant Title : pcb
QLast Update : Fri Mar 12 18:52:37 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

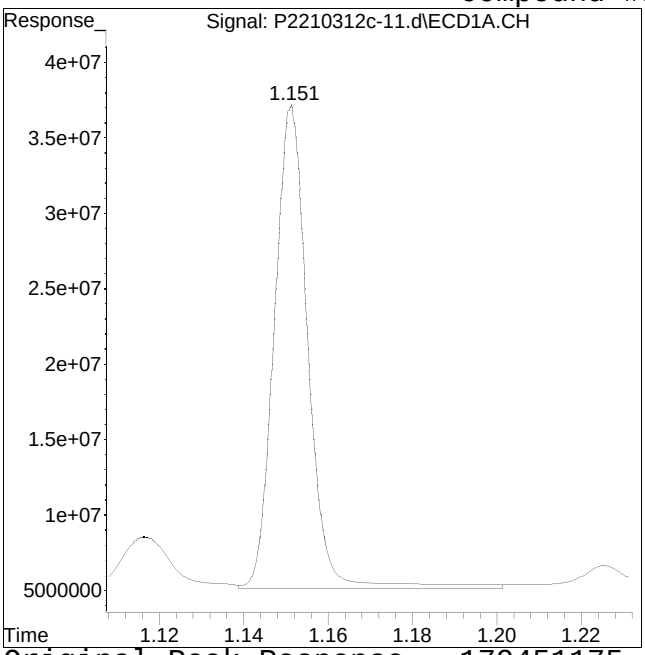
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

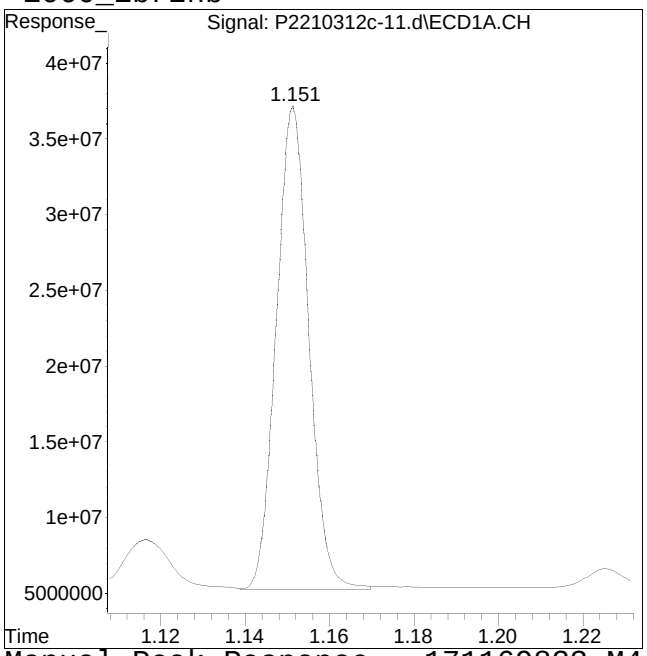


Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #1: 1660_1br2nb



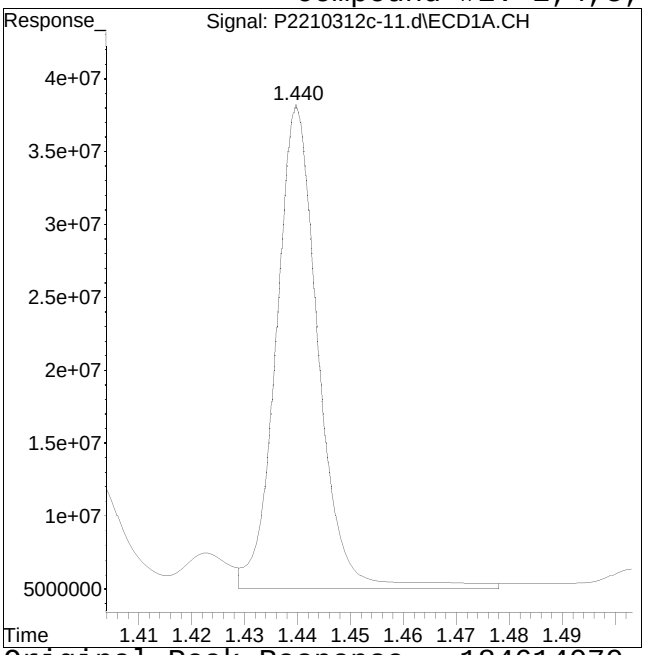


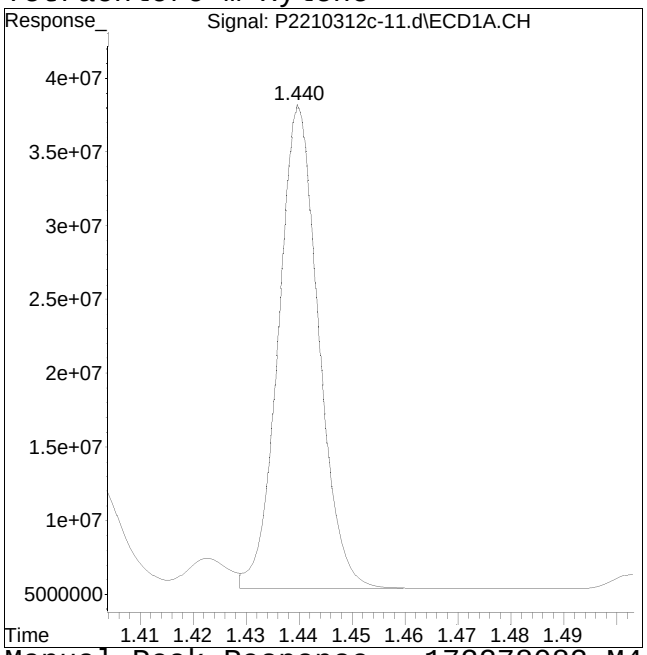
Original Peak Response = 179451175 Manual Peak Response = 171169833 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



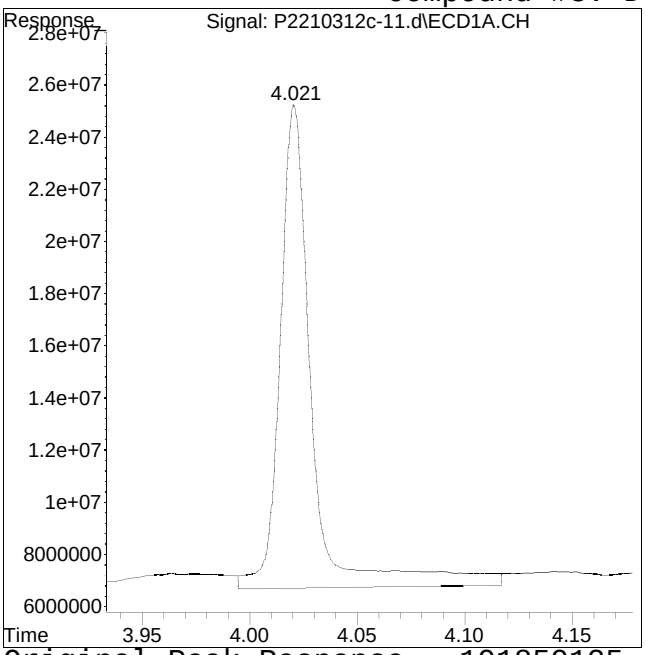


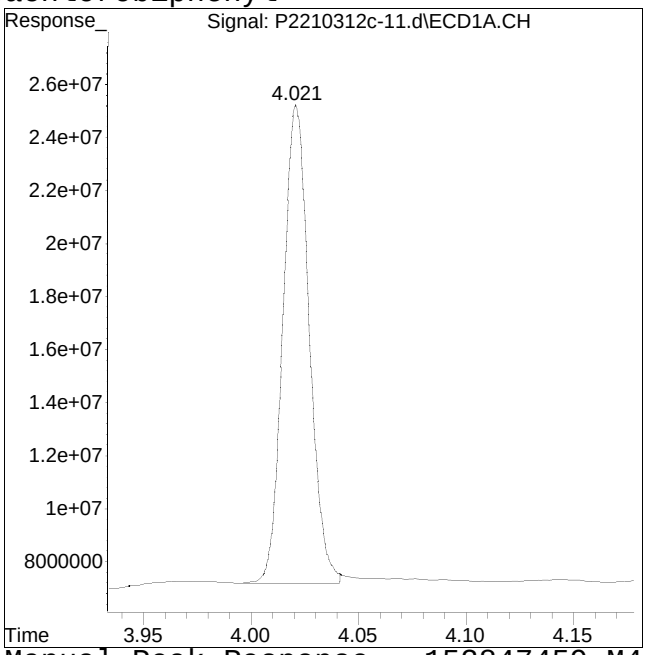
Original Peak Response = 184614070 Manual Peak Response = 172278082 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #3: Decachlorobiphenyl



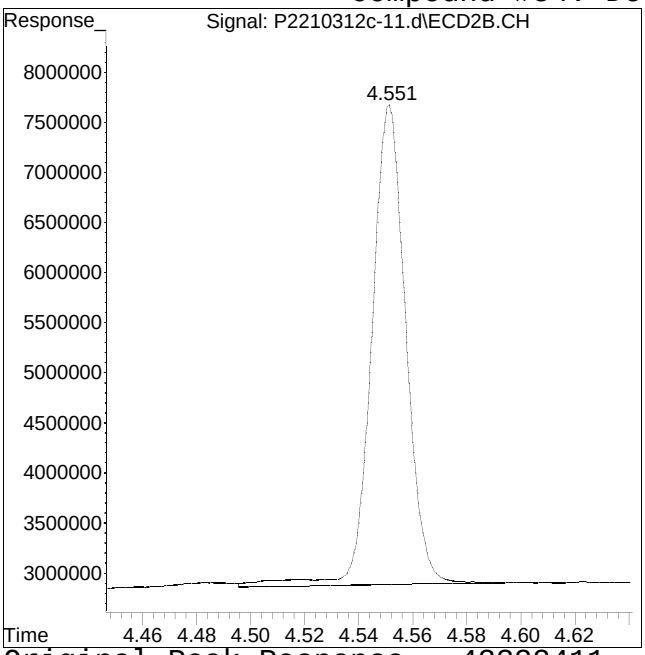


Original Peak Response = 191859125 Manual Peak Response = 152847459 M4
M4 = Poor automated baseline construction.

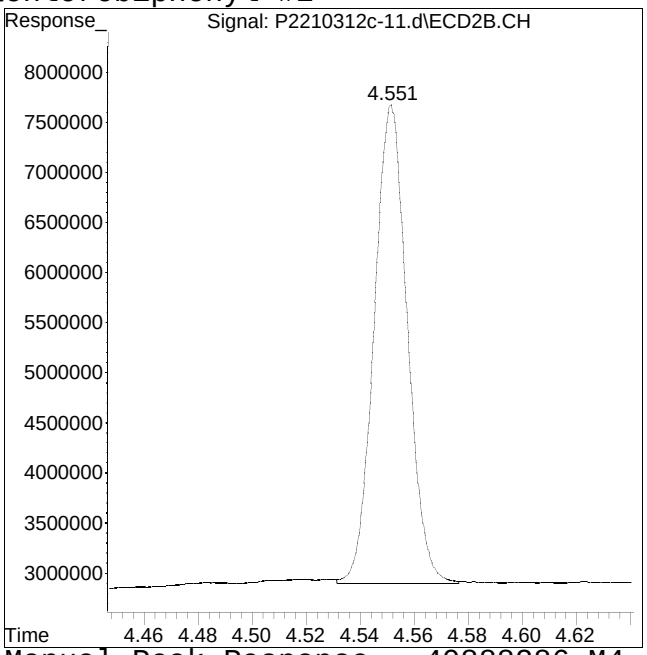
Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 42332411



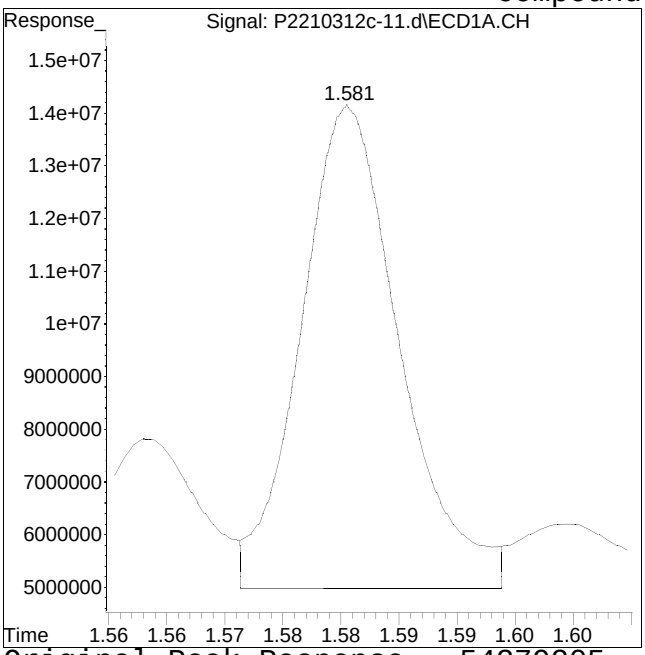
Manual Peak Response = 40888286 M4

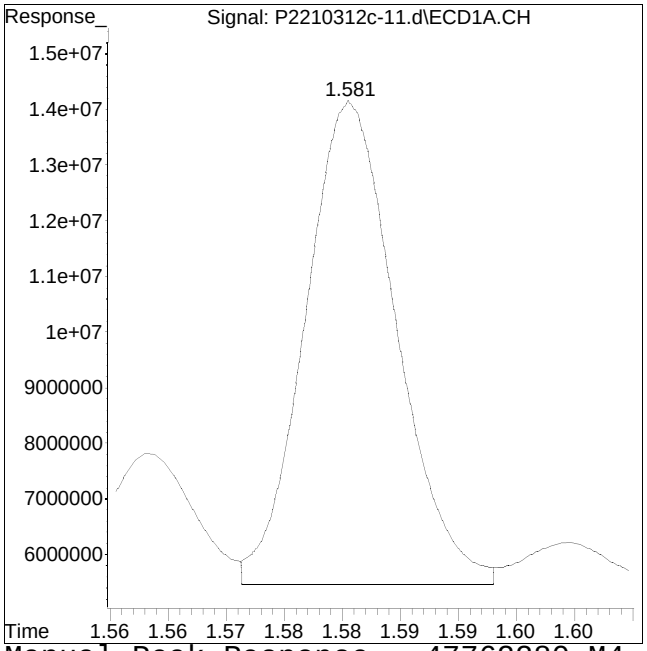
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #4: 1016-1



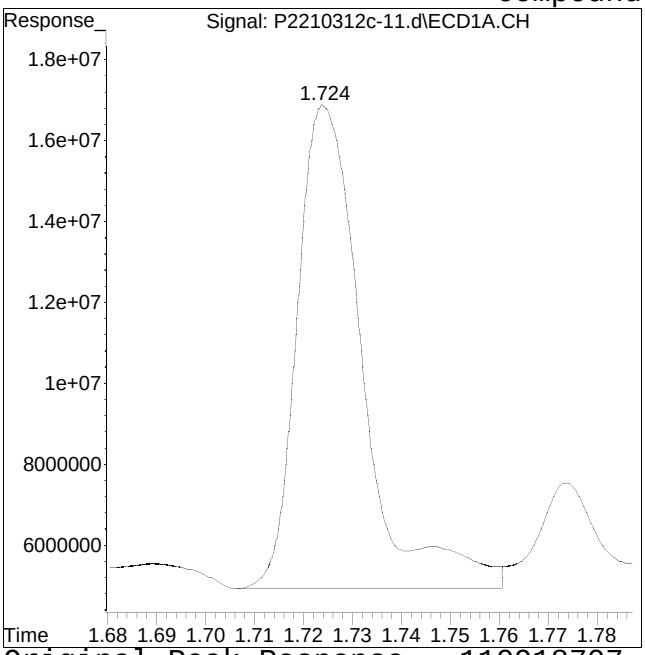


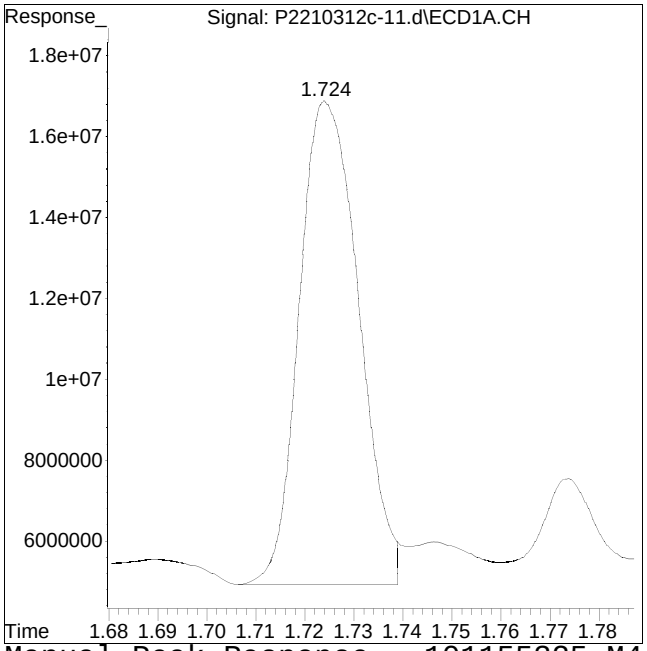
Original Peak Response = 54379205 Manual Peak Response = 47762280 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #5: 1016-2



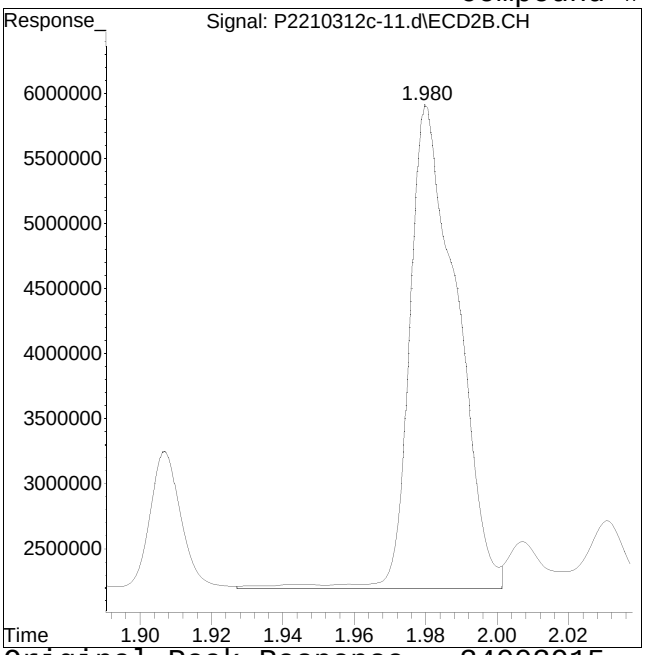


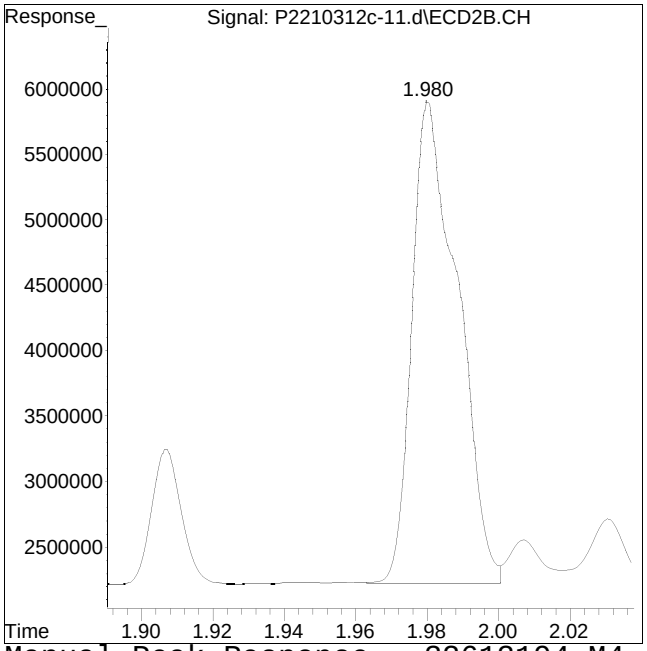
Original Peak Response = 110918707 Manual Peak Response = 101155325 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #56: 1016-2 #2



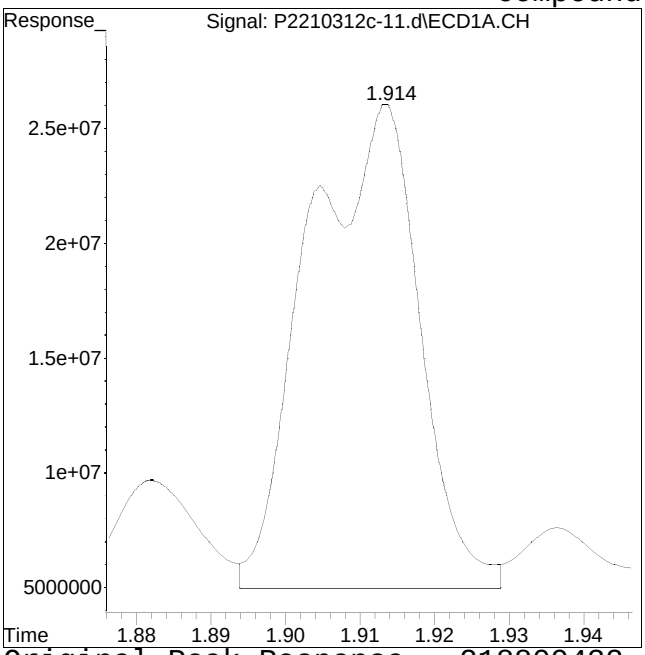


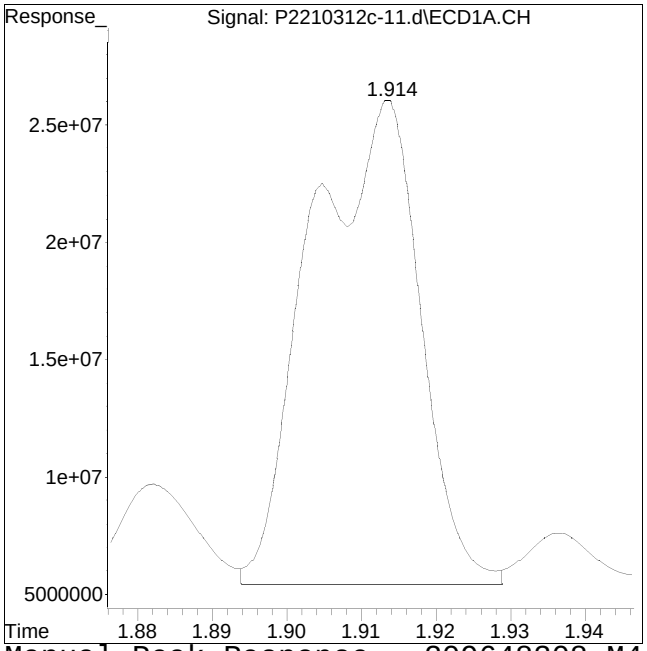
Original Peak Response = 34003915 Manual Peak Response = 32613194 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #6: 1016-3



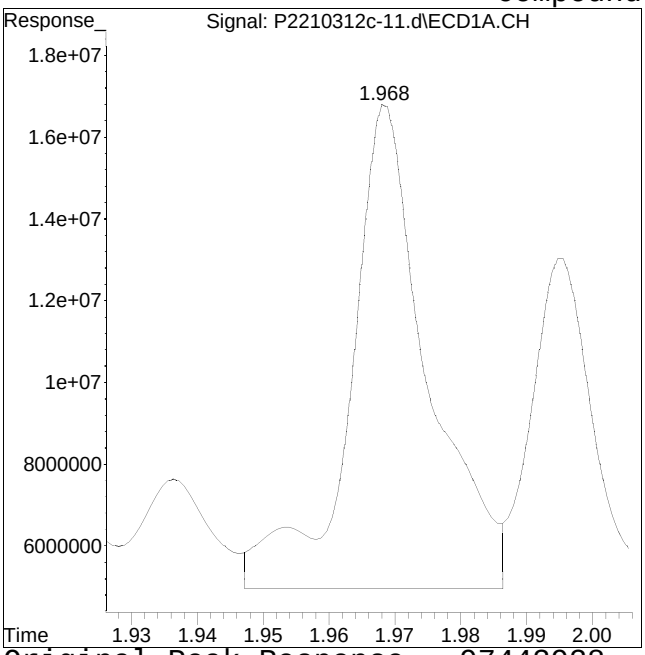


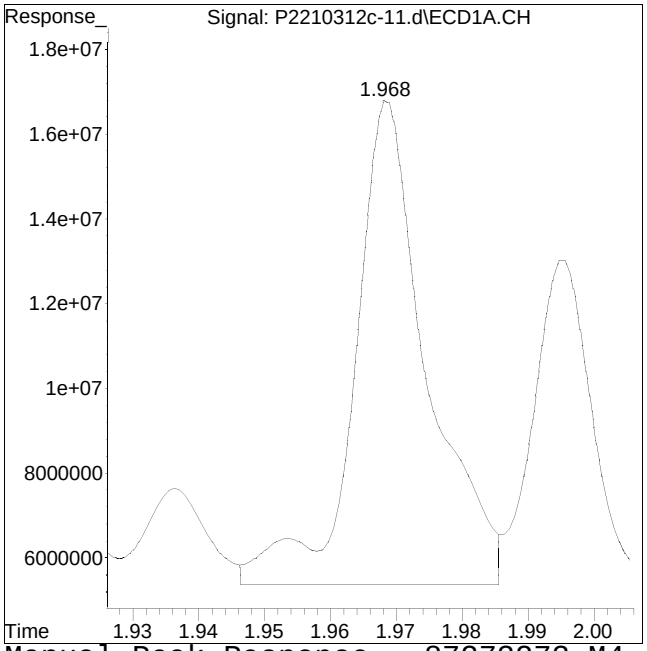
Original Peak Response = 218809432 Manual Peak Response = 209648308 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #7: 1016-4



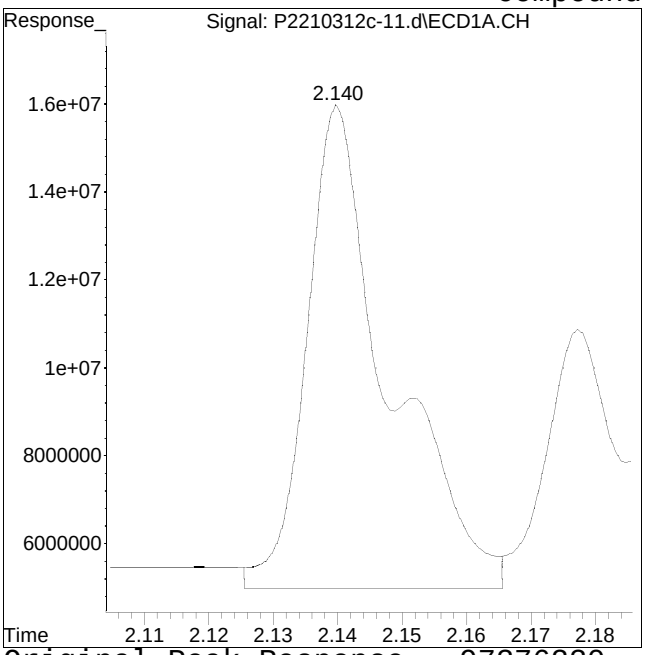


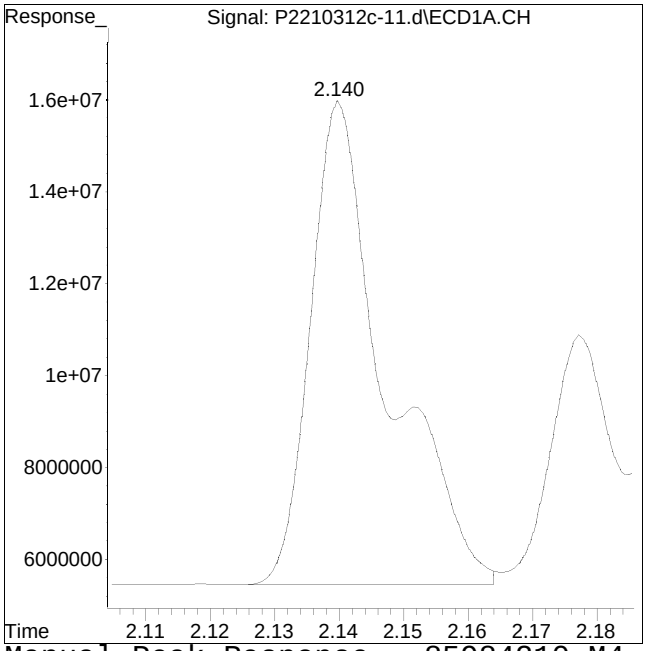
Original Peak Response = 97443938 Manual Peak Response = 87273273 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #8: 1016-5



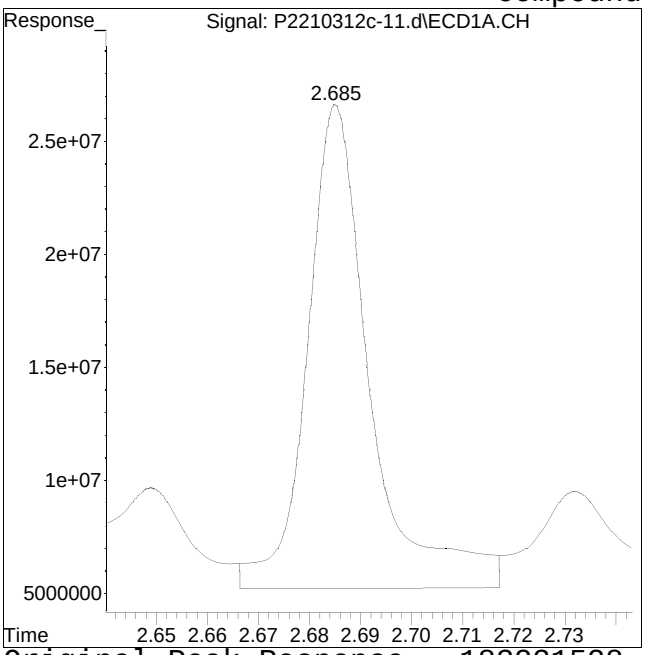


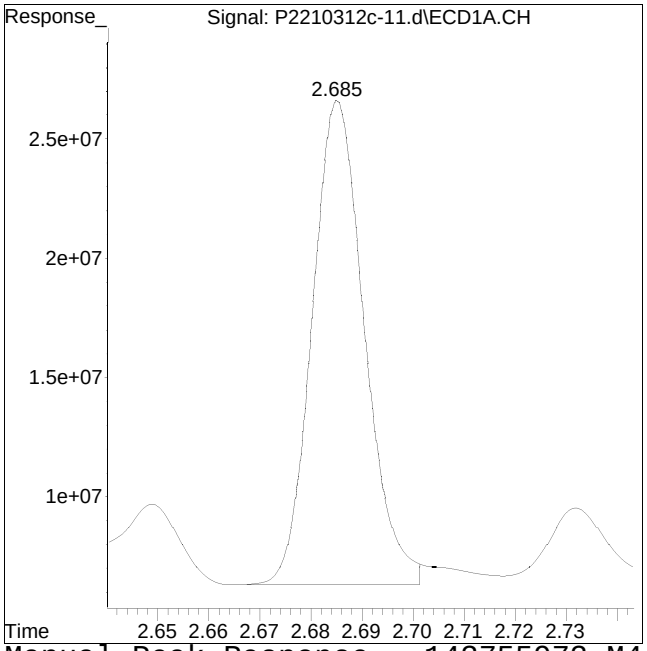
Original Peak Response = 97376230 Manual Peak Response = 85984210 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #9: 1260-1



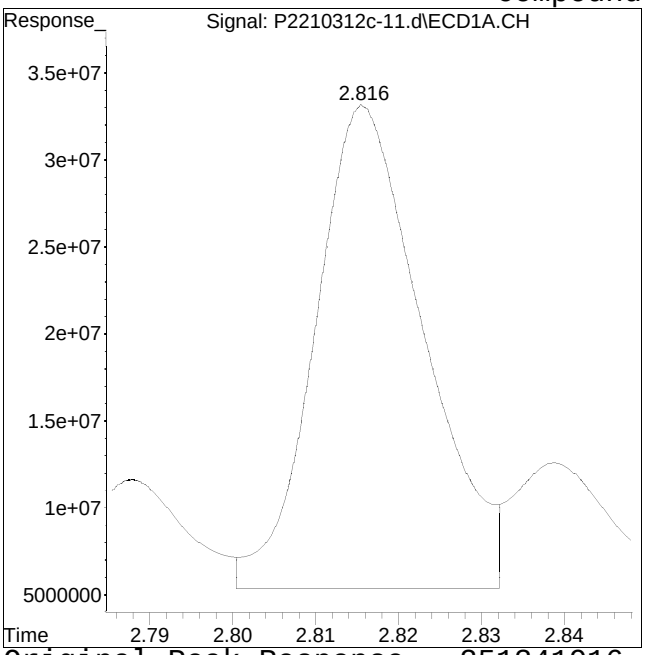


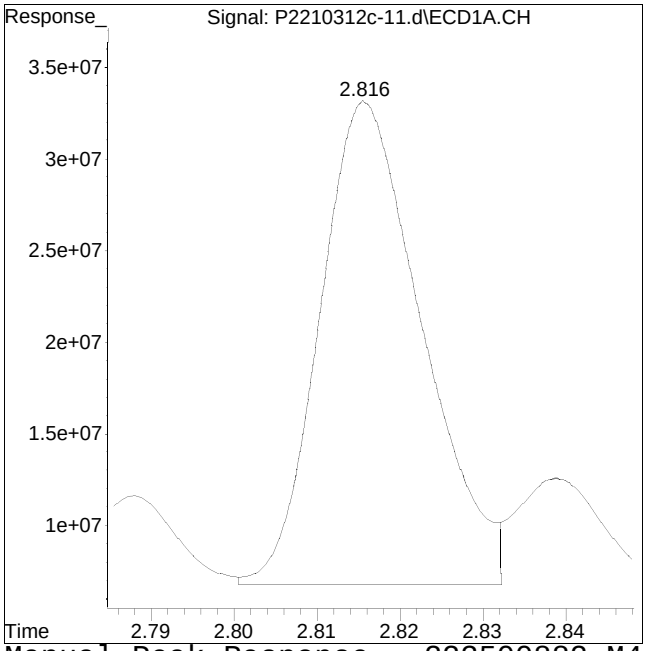
Original Peak Response = 183221528 Manual Peak Response = 143755973 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #10: 1260-2



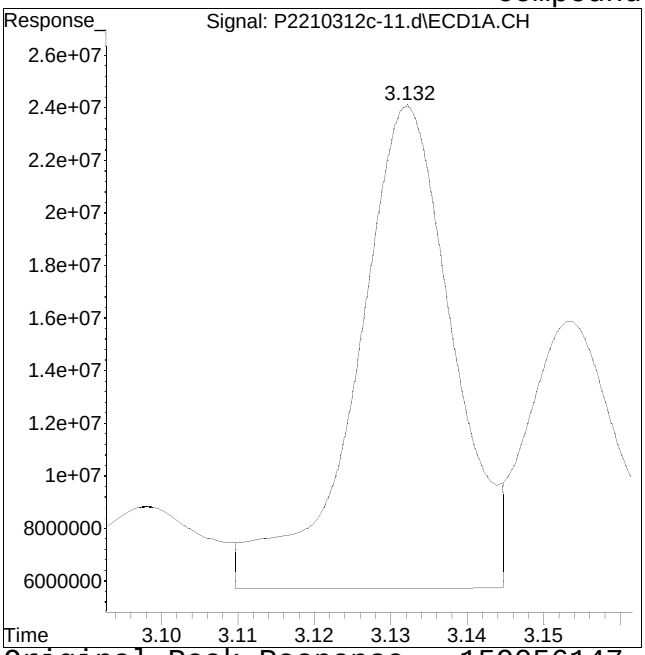


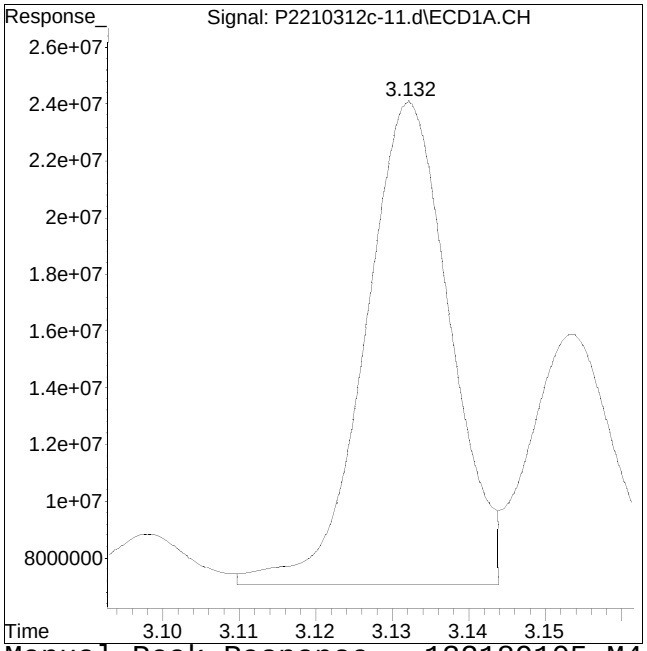
Original Peak Response = 251341916 Manual Peak Response = 223500882 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #11: 1260-3



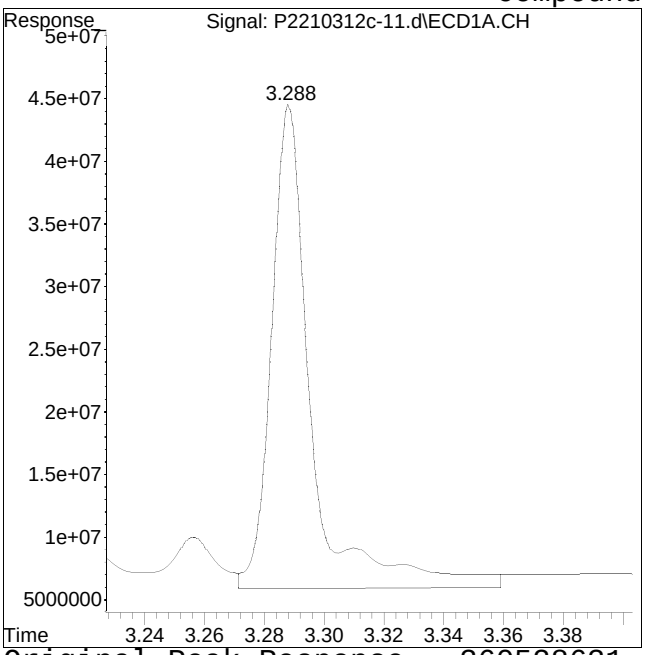


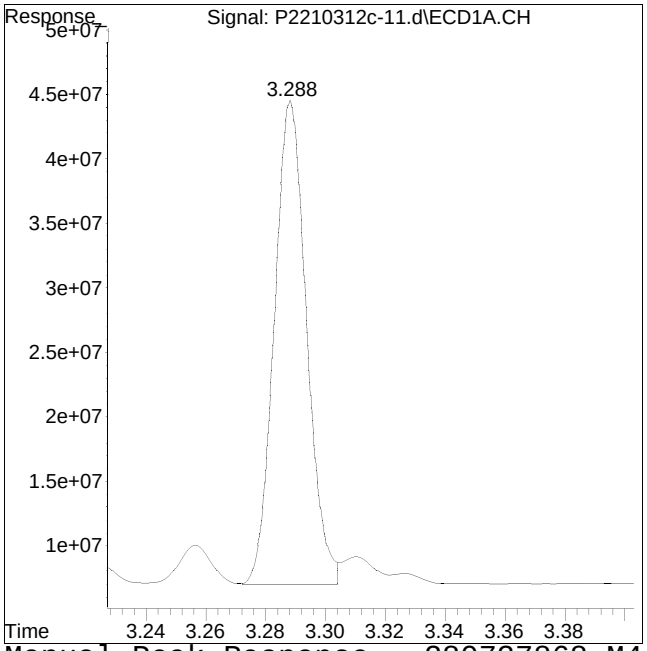
Original Peak Response = 159056147 Manual Peak Response = 132189105 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #12: 1260-4



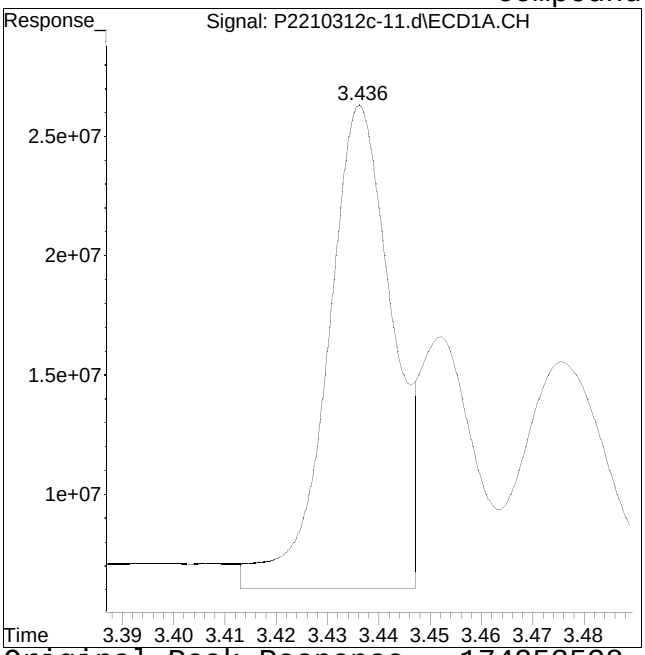


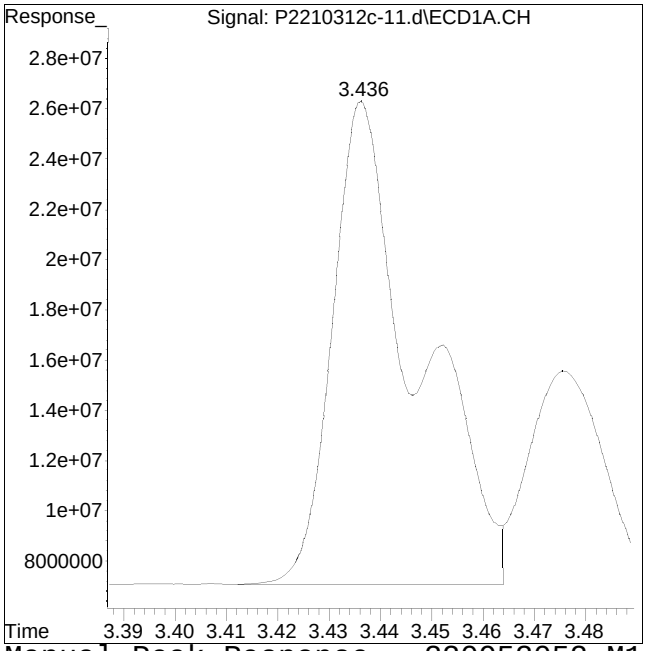
Original Peak Response = 360528631 Manual Peak Response = 280737868 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2021\210312C\QMethod : P2_pcb_03_12_21_LVI_ugL_
Data File : P2210312c-11.d Operator : pest2:jm
Date Inj'd : 3/12/2021 8:28 pm Instrument : PEST 2
Sample : WG1472552-5,42,,rr msd Quant Date : 3/13/2021 7:24 am

Compound #13: 1260-5





Original Peak Response = 174253538 Manual Peak Response = 220953052 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula:
Amt * DF*(Vt/Vp)*(1000/Vo)*(Ve/1000)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Vo = Volume of Sample (mL)
Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula:
Amt * DF * (Vt/Vp)*(1000/Wt)*(Ve/1000)* (100/TS)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Wt = Weight of Sample (g)
Ve = Extraction Lab Final Volume (mL)
TS = Total Solids

Dep.: PCB
Inst: Pest_2
Date: **01/12/21**
Run: **ical**

Method
GC: PCB_2.M

Seq: _____
lvi

Vial	Data File	Sample	CCAL	notes	initials
1	P2210112ical-01	blank			
2	P2210112ical-02	blank			
2	P2210112ical-03	blank			
3	P2210112ical-04	il11660,42e,,10250 lvi			
4	P2210112ical-05	il21660,42e,,10250 lvi			
5	P2210112ical-06	il31660,42e,,10250 lvi			
6	P2210112ical-07	il41660,42e,,10250 lvi			
7	P2210112ical-08	il51660,42e,,10250 lvi			
8	P2210112ical-09	il61660,42e,,10250 lvi			
9	P2210112ical-10	il44268,42e,,10252 lvi			
10	P2210112ical-11	il43262,42e,,10253 lvi			
11	P2210112ical-12	il41248,42e,,10254 lvi			
12	P2210112ical-13	il42154,42e,,10251 lvi			
13	P2210112ical-14	cicv1660,42e,,10255 lvi			
14	P2210112ical-15	cicv4268,42e,,10257 lvi			
15	P2210112ical-16	cicv3262,42e,,10258 lvi			
16	P2210112ical-17	cicv1248,42e,,10259 lvi			
17	P2210112ical-18	cicv2154,42e,,10256 lvi			
18	P2210112ical-22	WG1452766-1,42,,			
19	P2210112ical-23	WG1452766-2,42,,			
20	P2210112ical-24	WG1452766-3,42,,			
21	P2210112ical-25	L2100642-04,42,,			
22	P2210112ical-26	L2100642-02,42,,			
23	P2210112ical-27	L2100483-01,42,			
24	P2210112ical-28	L2100487-03,42,,			
25	P2210112ical-29	L2100487-02,42,,			
26	P2210112ical-30	L2100487-01,42,,			
27	P2210112ical-31	L2100265-10,42,,			
28	P2210112ical-32	WG1454010-1,42,,			
29	P2210112ical-33	WG1454010-2,42,,			
30	P2210112ical-34	WG1454010-3,42,,			
31	P2210112ical-35	L2100218-09,42,,,PRI			
32	P2210112ical-36	L2100265-10,42,,,PRI			
33	P2210112ical-37	L2100483-01,42,,,PRI			
34	P2210112ical-38	L2100487-01,42,,,R1C			
35	P2210112ical-39	L2100487-02,42,,,R1C			
36	P2210112ical-40	L2100487-03,42,,,R1C			
37	P2210112ical-41	L2100642-02,42,,,PRI			
38	P2210112ical-42	L2100642-04,42,,,PRI			
39	P2210112ical-43	L2100642-05,42,,,PRI		v to F43 AD	

Dep.: PCB
Inst: Pest_2
Date: **03/12/21**
Run: **ical**

Method
GC: PCB_2.M

Seq: wg
LVI

Vial	Data File	Sample	CCAL	notes	initials
1	P2210312ical-01	blank			
1	P2210312ical-02	blank			
2	P2210312ical-03	prime			
3	P2210312ical-04	il11660,42e,,10250 lvi			
4	P2210312ical-05	il21660,42e,,10250 lvi			
5	P2210312ical-06	il31660,42e,,10250 lvi			
6	P2210312ical-07	il41660,42e,,10250 lvi			
7	P2210312ical-08	il51660,42e,,10250 lvi			
8	P2210312ical-09	il61660,42e,,10250 lvi			
9	P2210312ical-10	il44268,42e,,10252 lvi			
10	P2210312ical-11	il43262,42e,,10253 lvi			
11	P2210312ical-12	il41248,42e,,10254 lvi			
12	P2210312ical-13	il42154,42e,,10251 lvi			
13	P2210312ical-14	cicv1660,42e,,10255 lvi			
14	P2210312ical-15	cicv4268,42e,,10257 lvi			
15	P2210312ical-19	cicv3262,42e,,10258 lvi			
16	P2210312ical-20	cicv1248,42e,,10259 lvi			
17	P2210312ical-21	cicv2154,42e,,10256 lvi			

Dep.: PCB
Inst: Pest_2
Date: **03/12/21**
Run: **b**

Method
GC: PCB_2.M

Seq: wg1473696
LVI



Vial	Data File	Sample	CCAL	notes	initials
1	P2210312b-01	prime			
2	P2210312b-02	blank			
3	P2210312b-03	+1660 pp10305 lvi			
4	P2210312b-04	+1660 pp10305 lvi			
5	P2210312b-05	prime			
6	P2210312b-06	+1660 pp10305 lvi	9:48am 1016 high 1260 15% 696-1 jm		
7	P2210312b-07	+2154 pp10251 lvi			
8	P2210312b-08	+1248 pp10254 lvi			
9	P2210312b-09	+4268 pp10252 lvi			
10	P2210312b-10	WG1472552-1,42,, rr			
11	P2210312b-11	WG1472552-2,42,, rr			
12	P2210312b-12	WG1472552-3,42,, rr			
13	P2210312b-13	L2111103-02,42,, rr			
14	P2210312b-14	L2111103-03,42,,cc rr			
15	P2210312b-15	L2111103-01,42,,cc rr			
16	P2210312b-16	WG1472552-4,42,,cc rr			
17	P2210312b-17	WG1472552-5,42,,cc rr			
18	P2210312b-18	L2111197-01,42,, rr			
19	P2210312b-19	WG1472552-6,42,, rr			
20	P2210312b-20	WG1472552-7,42,, rr			
21	P2210312b-21	L2111103-04,42,, rr			
22	P2210312b-22	L2111197-02,42,, rr			
23	P2210312b-23	L2111197-03,42,, rr			
24	P2210312b-24	L2111197-04,42,, rr			
25	P2210312b-25	L2111197-05,42,, rr			
26	P2210312b-26	L2111197-06,42,, rr			
27	P2210312b-27	L2111197-07,42,, rr			
28	P2210312b-28	L2111197-08,42,, rr			
29	P2210312b-29	L2111212-36,42,,,PRI rr			
30	P2210312b-30	+1660 pp10305 lvi		V to F30 jm	

Dep.: PCB
Inst: Pest_2
Date: **03/12/21**
Run: **c**

Method
GC: PCB_2.M

Seq: wg1473959
LVI



Vial	Data File	Sample	CCAL	notes	initials
1	P2210312c-01	cicv1660,42e,,10255 lvi			
2	P2210312c-02	cicv4268,42e,,10257 lvi			
3	P2210312c-03	cicv3262,42e,,10258 lvi			
4	P2210312c-04	cicv1248,42e,,10259 lvi			
5	P2210312c-05	cicv2154,42e,,10256 lvi			
6	P2210312c-06	blank			
7	P2210312c-07	L2111103-02,42,,rr			
8	P2210312c-08	L2111103-03,42,,rr			
9	P2210312c-09	L2111103-01,42,,rr p			
10	P2210312c-10	WG1472552-4,42,,rr ms			
11	P2210312c-11	WG1472552-5,42,,rr msd			
12	P2210312c-12	WG1473546-1,42,,			
13	P2210312c-13	WG1473546-2,42,,			
14	P2210312c-14	WG1473546-3,42,,			
15	P2210312c-15	L2112298-10,42,,,R1C			
16	P2210312c-16	L2102276-54,42,,,R1C			
17	P2210312c-17	WG1473546-4,42,,ms			
18	P2210312c-18	WG1473546-5,42,dup			
19	P2210312c-19	L2102276-55,42,,p			
20	P2210312c-20	WG1473296-4,42,,ms			
21	P2210312c-21	WG1473296-5,42,,dup			
22	P2210312c-22	WG1473296-1,42,,			
23	P2210312c-23	WG1473296-2,42,,			
24	P2210312c-24	WG1473296-3,42,,			
25	P2210312c-25	1660 pp10305			
26	P2210312c-26	2154 pp10251			
27	P2210312c-27	1248 pp10254			
28	P2210312c-28	4268 pp10252			
29	P2210312c-29	L2111784-01,42,,,R1C			

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Mar 14 2021, 05:45 pm

Work Group: WG1472552 for Department: 2 Organic Preparation

Created: 10-MAR-21 Due: Operator: IB

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2111103-01	RMW-3	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
L2111103-02	RMW-4	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
L2111103-03	DUP 1	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
L2111103-04	FB030521	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
L2111197-01	GW-1	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
L2111197-02	GW-2	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
L2111197-03	GW-3	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
L2111197-04	GW-4	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
L2111197-05	GW-5	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
L2111197-06	DUPE	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
L2111197-07	EB	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
L2111197-08	RB	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
L2111212-36	FIELD BLANK 3.5.21	S	NYTCL-8082-LVI	WATER	DONE	U	0312	0312	S0	Amber-A.120
WG1472552-1	Laboratory Method Bl	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1472552-2	Laboratory Control S	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1472552-3	LCS Duplicate	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1472552-4	Matrix Spike	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1472552-5	Matrix Spike Duplica	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1472552-6	Matrix Spike	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1472552-7	Matrix Spike Duplica	S	NYTCL-8082-LVI	WATER	DONE	U				

Comments:

WG1472552-3	WG1472552-2
WG1472552-4	L2111103-01
WG1472552-5	L2111103-01
WG1472552-6	L2111197-01
WG1472552-7	L2111197-01

ORGANIC ELN REPORT

Workgroup: WG1472552

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EA651
Surrogate Type: Pesticide/PCB **Lot #:** PP10238 (06/04/21)
Spike Type: PCB **Lot #:** PP10235 (06/05/21)
Spike Verify by: IB
Lims Spikelot: PCB-LVI

Additional Reagents/Stds

Na2SO4	0000255328

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: EA548

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1: EPA 3665A
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EA548

Additional Reagents/Stds

H2SO4	2020102705

Cleanup 2

Cleanup Method 1: EPA 3660B
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EA548

Additional Reagents/Stds

Copper	027040-BL

Cleanup 3

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Cleanup 4

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2111103-01 SAMP	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1
L2111103-02 SAMP	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1
L2111103-03 SAMP	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1
L2111103-04 SAMP	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1

Reported: 14-MAR-21 05:45 PM

ORGANIC ELN REPORT

Workgroup: WG1472552

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2111197-01 WATER	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1
L2111197-02 WATER	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1
L2111197-03 WATER	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1
L2111197-04 WATER	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1
L2111197-05 WATER	03/10/21 02:58	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1
L2111197-06 WATER	03/10/21 02:58	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1
L2111197-07 WATER	03/10/21 02:58	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1
L2111197-08 WATER	03/10/21 02:58	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1

ORGANIC ELN REPORT

Workgroup: WG1472552

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2111212-36 WATER	03/10/21 02:58	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1
WG1472552-1 BLANK	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1		03/10/21 13:01	Helen Amankwah	5	I&H#1
WG1472552-2 LCS	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1	.1	03/10/21 13:01	Helen Amankwah	5	I&H#1
WG1472552-3 LCSD	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1	.1	03/10/21 13:01	Helen Amankwah	5	I&H#1
WG1472552-4 MS	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1	.1	03/10/21 13:01	Helen Amankwah	5	I&H#1
WG1472552-5 MSD	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1	.1	03/10/21 13:01	Helen Amankwah	5	I&H#1
WG1472552-6 MS	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1	.1	03/10/21 13:01	Helen Amankwah	5	I&H#1
WG1472552-7 MSD	03/10/21 02:56	Isaac Bamfo	140	>5,<9	.1	.1	03/10/21 13:01	Helen Amankwah	5	I&H#1

ORGANIC ELN REPORT

Workgroup: WG1472552

Reported: 14-MAR-21 05:45 PM

ORGANIC ELN REPORT

Workgroup: WG1472552

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2111103-01 SAMP	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
L2111103-02 SAMP	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
L2111103-03 SAMP	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
L2111103-04 SAMP	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
L2111197-01 WATER	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
L2111197-02 WATER	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
L2111197-03 WATER	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
L2111197-04 WATER	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
L2111197-05 WATER	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
L2111197-06 WATER	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
L2111197-07 WATER	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah

ORGANIC ELN REPORT

Workgroup: WG1472552

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2111197-08 WATER	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
L2111212-36 WATER	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
WG1472552-1 BLANK	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
WG1472552-2 LCS	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
WG1472552-3 LCSD	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
WG1472552-4 MS	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
WG1472552-5 MSD	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
WG1472552-6 MS	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah
WG1472552-7 MSD	03/10/21 14:53	Alana Moberg	5	1	03/11/21 18:37	Eric Asamoah

ATTACHMENT E –

DATA USABILITY SUMMARY REPORT

Data Usability Summary Report

Site: Former BICC Cables Site		Case Number: C360051
SDG Number(s): L2111103	Date Rec'd by Lab: 03/05/2021	Lab Report Date: 03/14/2021
Reviewed by: David Maio		Date Reviewed: 04/01/2021

Number of samples of each matrix in data package: 5 water 0 soil

Analyses requested: ☑ Volatile organics ☐ Semivolatile organics ☐ Metals/cyanide ☑ PCBs ☐ Pesticides / Herbicides

		Yes	No	NA	
1.	Is the data package complete as defined under the requirements for NYSDEC ASP Category B deliverables?	☑	☐		
	Exceptions:				☐ Details attached
	Actions:				☐ Details attached
2.	Have all holding times been met (see QA/QC Plan)?	☑	☐		
	Exceptions:				
	Actions/effect on results:				☐ Details attached
3.	Do all the QC data fall within the protocol required limits and specifications? (blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls, sample data)	☐	☑		
	Reported exceptions: See page 7, 25, 27, 170, 171; 507; 517 983; 984; 987				☑ Details attached
	Actions/effect on results:				☐ Details attached
4.	Have all of the data been generated using established and agreed upon analytical protocols? Test method(s): 8260C; 8082A;	☑	☐		
	Reported exceptions:				☐ Details attached
	Actions/effect on results:				☐ Details attached
5.	Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?	☑	☐	☐	
	Exceptions:				☐ Details attached
	Actions/effect on results:				☐ Details attached
6.	Have the correct data qualifiers been used by the laboratory?	☑	☐		
	Exceptions:				☐ Details attached

Specific issues reported by laboratory (check all that apply):

- ☐ Sample(s) reanalyzed at dilution — ☐ Details attached
- ☐ Blank contamination — ☐ Details attached
- ☐ Matrix effects — ☐ Details attached
- ☐ Other: — ☐ Details attached

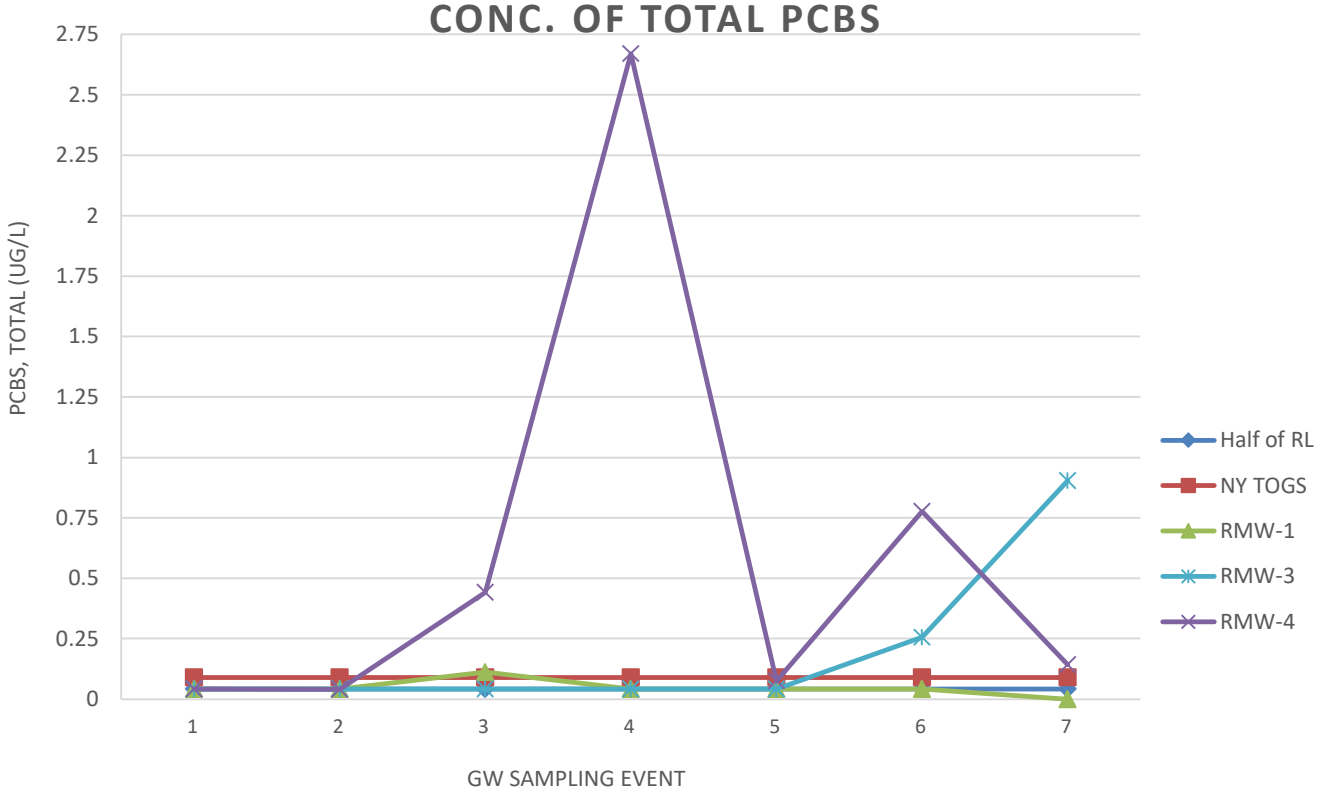
Changes by reviewer (attach markup of data form):

- ☐ Data qualifiers added/changed — ☐ Details attached
- ☐ Some data rejected (R) — ☐ Details attached

ATTACHMENT F –

EXCEEDANCE SUMMARY CHARTS

CHART F2-
CONC. OF TOTAL PCBS



NOTES:

1. All non-detect results were included at a concentration of half of the reporting limit (RL).

ATTACHMENT G –

RMW-1 & RMW-2R DECOMMISSIONING RECORDS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
625 Broadway, 12th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

February 10th, 2020

Mr. James Boyer
PS&S Project Manager
67B Mountain Blvd. Ext
Warren NJ 07059

Re: Site Management (SM) Periodic Review Report (PRR) Response Letter
BICC Cables, Yonkers
Westchester County, Site No.: C360051

Dear James:

The New York State Department of Environmental Conservation (the Department) in consultation with the New York State Department of Health (NYSDOH) has reviewed the PRR and IC/EC Certification dated October 15th, 2020 and Transmittal 00047 dated January 30th, 2021, the Department accepts your recommendation to decommission monitoring wells RMW-1 and RMW-2R. SSDS's will need to be installed in each future occupied building and monitored in accordance with the SMP. Decommissioning of the wells should comply with New York State Groundwater Monitoring Well Decommissioning Policy CP-43.

If you have any questions, or need additional forms, please contact me at (518) 402-9706 or e-mail: mark.domaracki@dec.ny.gov

Sincerely,

Mark Domaracki
Project Manager

ec : Ron Shemesh, One Point Street Inc., (ronshem59@icloud.com)
Jack Mandelbaum, Extell Hudson Waterfront LLC, (jmandelbaum@extelldev.com)
Dan Bendell, RHWRE
Kevin Carpenter, Section Chief, DER
Mark Domaracki, Assistant Geologist, DER
Anthony Perretta, Project Manager, DOH
DecDocs

FIGURE 3

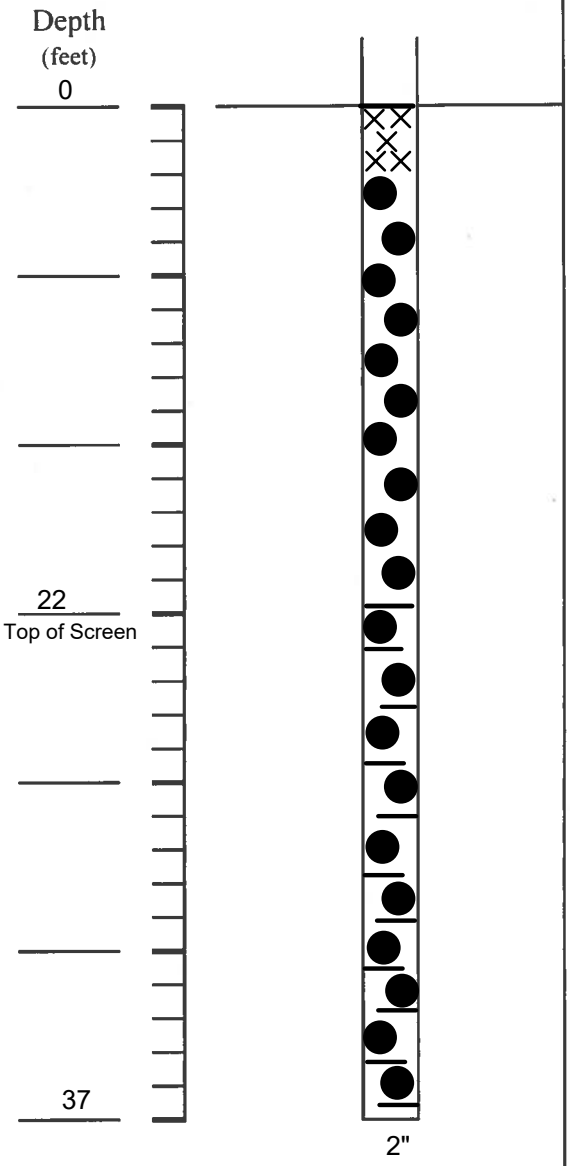
WELL DECOMMISSIONING RECORD

Site Name: Extell (BICC)	Well I.D.: RMW-1
Site Location: 233 Alexander Street (Point St Parking Lot) Yonkers	Driller: Garret Stiers / Nicholas Fallucca, CWD
Drilling Co.: SGS North America, Inc.	Inspector: Adam Graham
	Date: 3/4/2021

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	0-37' bgs
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	6
Quantity of cement used (lbs.)	98
Cement type	Portland Type I,II
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	NA
Volume of grout prepared (gal.)	7.0-7.5
Volume of grout used (gal.)	6.5-7.0

WELL SCHEMATIC*



COMMENTS: Tremie grout from bottom to top. Remove protective casing & pad.

Cut down well 1-2' bgs and backfill to 2-3" bgs and asphalt patch to surface.

* Sketch in all relevant decommissioning data, including interval overdrilled, interval grouted, casing left in hole, well stickup, etc

Nicholas A Fallucca
Drilling Contractor

Department Representative

FIGURE 3

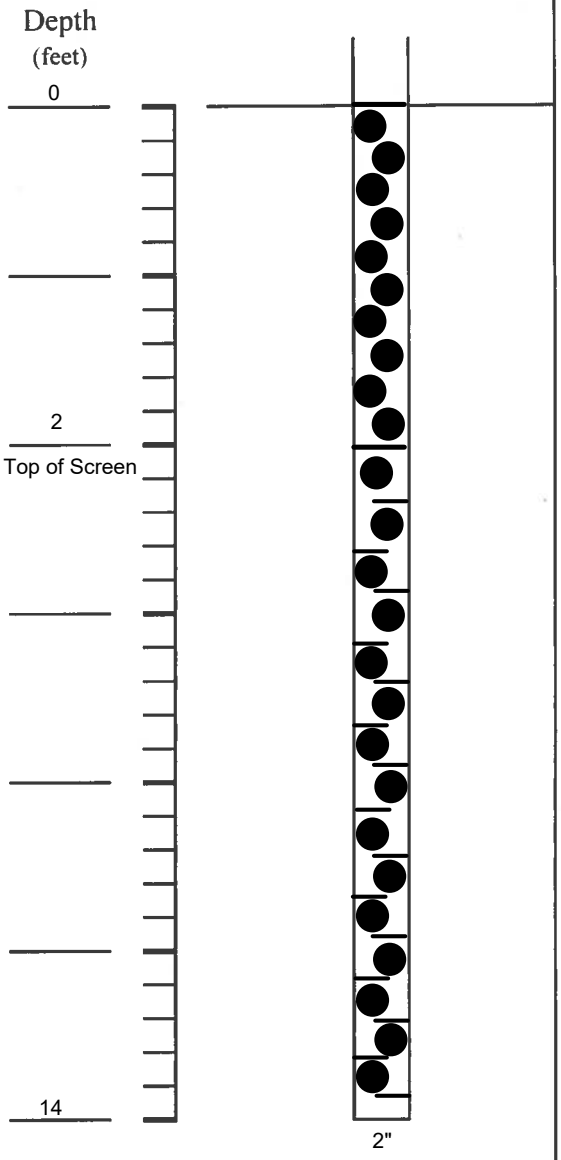
WELL DECOMMISSIONING RECORD

Site Name: Extell (BICC)	Well I.D.: RMW-2R
Site Location: 159 Alexander Street Yonkers	Driller: Garrett Stiers / Nicholas Fallucca CWD
Drilling Co.: SGS North America, Inc	Inspector: Adam Graham
	Date: 3/4/2021

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	0-14' bgs
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	3
Quantity of cement used (lbs.)	47
Cement type	Portland Type I,II
Quantity of bentonite used (lbs.)	2
Quantity of calcium chloride used (lbs.)	NA
Volume of grout prepared (gal.)	3.0-4.0
Volume of grout used (gal.)	3.0-4.0

WELL SCHEMATIC*



COMMENTS: Tremie grout from bottom to top. Remove protective casing & pad.
Cut down well 1-2' bgs and backfill to 2-3" bgs and asphalt patch to surface.

* Sketch in all relevant decommissioning data, including interval overdrilled, interval grouted, casing left in hole, well stickup, etc

Nicholas A Fallucca
Drilling Contractor

Department Representative

ELECTRONIC MAIL SUBMISSION

August 24, 2021
05697-0006

Mr. Mark Domaracki P.G.
Assistant Geologist, Section B, Bureau C
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7017

Education
Energy Utility
Healthcare
Public Works
Real Estate
Science & Technology

RE: **Former BICC Cables Corporation Site (Site)**
City of Yonkers, Westchester, New York
NYSDEC Site No. C360051
Semi-Annual Groundwater Monitoring Results Report (8th Round)

Dear Mr. Domaracki,

On behalf of Extell Hudson Waterfront LLC (Extell), Paulus, Sokolowski and Sartor Engineering, PC (PS&S) has prepared this Semi-Annual Groundwater Monitoring Results Report (the Report) for the Former BICC Cables Corporation Site (the Site) located in the City of Yonkers, New York. This Report presents the findings of the 8th round of Semi-Annual Groundwater Monitoring completed at the Site in compliance with the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP), dated April 14, 2017.

1.0 Introduction

As per the SMP, Section 3.2, and further detailed in SMP Attachment 8 (Groundwater Monitoring Work Plan), groundwater level and quality monitoring of the established Site groundwater monitoring wells has been conducted on a semi-annual basis for two years to assess groundwater conditions after remediation. In addition, Extell and PS&S have continued monitoring for an additional year to monitor polychlorinated biphenyl (PCB) concentrations observed in RMW-3 and RMW-4. These periodic monitoring events include the assessment of the nature and extent of the impact to groundwater caused by the off-Site source of Volatile Organic Compounds (VOCs) entering the Site, as well as onsite PCB contamination.

On June 18th, 2021, through June 22nd, 2021 TW-01 and TW-02 were installed and developed by over pumping to depths of 29 feet below ground surface to access if PCBs are present down gradient of RMW-3 and RMW-4 as per the June 22nd, 2021 Temporary Well Installation Summary Report.

This report presents the findings of the 8th round of semi-annual groundwater sampling activities completed in July 2021.

One Larkin Plaza
2nd Floor
Yonkers, NY 10701

t. 914.509.8600

www.psands.com

2.0 Groundwater Sampling

2.1 Groundwater Sampling Activities

PS&S collected low flow groundwater samples from monitoring well RMW-4 and temporary well TW-02 on July 1st, 2021, and from monitoring well RMW-3 and temporary well TW-01 on July 2nd, 2021, using low-flow purging and sampling techniques. Filtered (dissolved) PCBs samples were collected for the first time this round to determine the dissolved phases of PCBs in all 4 wells. Samples were relinquished to Alpha Analytical Laboratories, Inc. (Alpha) under standard chain of custody documentation for Target Compound List (TCL) VOC, polychlorinated biphenyls (PCB) and Filtered PCBs analysis. Required quality assurance and quality control (QA/QC) samples (e.g., field blanks and duplicates) were also collected and submitted to Alpha.

The Groundwater Monitoring Well Location Map (Enclosure 1 of the SMP Attachment 8) is provided as Attachment A.

In addition, SMP Groundwater Monitoring Well Construction are provided as Attachment B. Purged groundwater was stored on-Site in one 55-gallon drum. Following proper waste characterization, the investigation derived waste (IDW) will be disposed of off-Site by AWT Environmental Services, Inc (AWT) to MXI Environmental Inc of Abingdon, Virginia. The IDW disposal manifest for purge water generated during this round will be provided under separate cover.

2.2 Groundwater Sample Results

Groundwater sample results were compared to NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, Class GA, dated June 1998 (NY TOGS GA).

The July 2021 8th round of groundwater quality sample results reported concentrations below the NY TOGS GA criteria for PCBs and VOCs, with the exception of the following constituents:

i. Aroclor 1260 was detected at 0.158, 0.291, and 0.113 µg/L in samples RMW-4, TW-02, and in the duplicate sample collected from TW-02 respectively, which is above the NY TOGS GA of 0.09 µg/L;
ii. Aroclor 1268 was detected at 0.16, 0.358, and 0.105 µg/L in samples RMW-4, TW-02, and in the duplicate sample collected from TW-02 respectively, which is above the NY TOGS GA of 0.09 µg/L;
iii. Benzene was detected at 4.7 and 6.6 µg/L in samples TW-02 and the duplicate sample collected from TW-02 respectively, which is above the NY TOGS GA of 1 µg/L; and
iv. Toluene was detected at 7 and 8.56 µg/L in samples TW-02 and the duplicate sample collected from TW-02 respectively, which is above the NY TOGS GA of 5 µg/L;

Please refer to Attachment C for the groundwater sample results summary table and Attachment D for full analytical laboratory reports. PS&S has prepared and submitted the required data usability summary report (DUSR), provided as Attachment E. In addition, a chart displaying trends over the course of the eight sampling events are provided as Attachment F.

3.0 Conclusions and Recommendations

PCBs were detected above NY TOGS GA in RMW-4 during the 8th round of sampling, as well as in the 3rd, 4th, and 6th round of sampling. Aroclor 1260 and Aroclor 1268 were detected above their NY TOGS GAs (0.09 µg/L) at 0.158 µg/L and 0.16 µg/L, respectively. Please refer to Attachment F for an exceedance summary chart.

During the three-year semi-annual groundwater monitoring well sampling events, RMW-3 has been sampled eight times in accordance with the NYSDEC-approved SMP which previously yielded exceedances of PCB compounds in the 6th and 7th rounds of sampling. No results from the 8th round of sampling reported any exceedances from RMW-3.

TW-02 was sampled for the first time during the 8th round of sampling and both VOCs and PCBs were detected above Ny TOGS GA. Benzene and Toluene were detected above their NY TOGS GAs (1 µg/L and 5 µg/L respectively) at 4.7 µg/L and 7 µg/L, respectively. A duplicate sample was collected from TW-02 which yielded exceedances of Benzene and Toluene at 6.6 µg/L and 8.5 µg/L respectively. Aroclor 1260 and Aroclor 1268 were detected above their NY TOGS GAs (0.09 µg/L) at 0.291 µg/L and 0.358 µg/L, respectively. A duplicate sample was collected from TW-02 which yielded exceedances of Aroclor 1260 and Aroclor 1268 at 0.113 µg/L and 0.105 µg/L respectively.

All PCB results from the filtered (dissolved) samples were reported as non-detected showing that the PCBs are not in the dissolved phase and only as suspended solids. PCBs migrating down-gradient and off Site is not likely as shown in the negative filtered PCB results in TW-01 and TW-02.

PS&S would recommend that semi-annual sampling continue at RMW-3 and RMW-4 and both TW-01 and TW-02.

Extell and PS&S appreciate your review of this Report. In accordance with the SMP Appendix 8, electronic data deliverables (EDDs) were completed and submitted to NYSDEC on August 4, 2021. The next round of semi-annual groundwater sampling is scheduled for October 2021.

Should you have any questions or require additional information, please contact me at 732-245-7164 or James Boyer at 908-745-8934 or jboyer@psands.com.

Very truly yours,

PAULUS, SOKOLOWSKI AND SARTOR ENGINEERING, P.C.

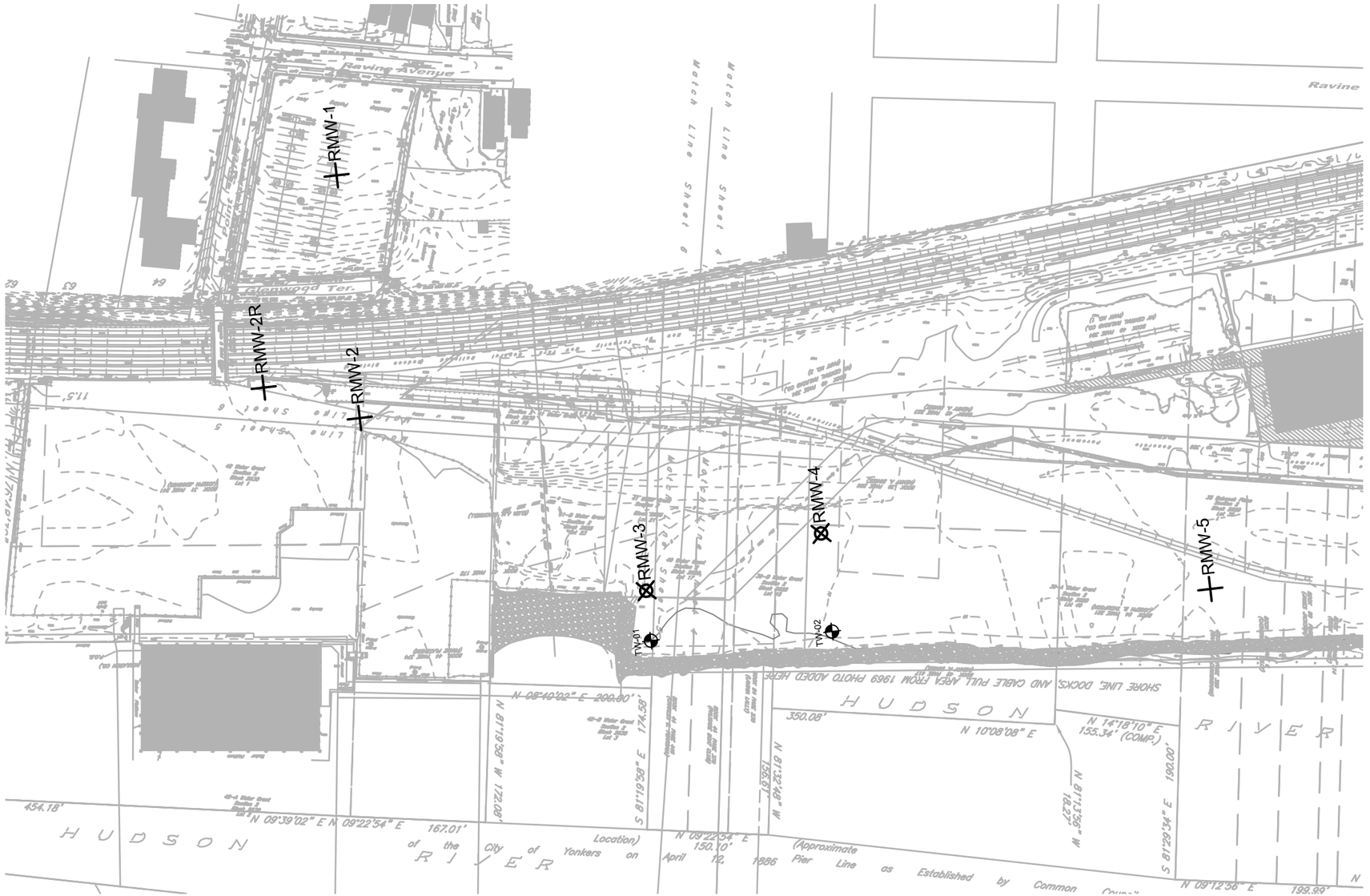
Janos M. Szeman, PE
Vice President

Copy: *Jack Mandelbaum, jmandelbaum@extell.com*
Chanie Rosenberg, crosenberg@extell.com
James Boyer, P.E., jboyer@psands.com
L. Miguel Salinas, lsalinas@psands.com

Attachments:

1. Attachment A – Groundwater Monitoring Well Location Map
2. Attachment B – Groundwater Monitoring Well Construction Logs
3. Attachment C – Groundwater Sample Results Summary Table
4. Attachment D – 7/27/21 Analytical Report, Alpha Analytical Laboratories, Inc.
5. Attachment E – Data Usability Summary Report
6. Attachment F – Exceedance Summary Charts

ATTACHMENT A –
GROUNDWATER MONITORING WELL LOCATION MAP



LEGEND:

- MONITORING WELL LOCATION
- DECOMMISSIONED MONITORING WELL LOCATION
- TEMPORARY MONITORING WELL LOCATION

GRAPHIC SCALE

150 0 75 150 300 600

(IN FEET)

1 inch = 150

REV. / ISSUE	DATE	DESCRIPTION

PAULUS, SOKOLOWSKI AND SARTOR, LLC.

3 MOUNTAINVIEW ROAD
P.O. BOX 4039
WARREN, NEW JERSEY 07059
PHONE: (732) 560-9700

CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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PROJECT

FORMER BICC CABLES CORPORATION SITE
NYSDEC SITE NO. C360051
CITY OF YONKERS, WESTCHESTER COUNTY, NY

SHEET TITLE

MONITORING WELL LOCATIONS

PROJ. NO.:	05697.0006
DATE:	03-19-21
DRAWN BY:	SL
CHECKED BY:	JB
SCALE:	150
SHEET NO.	ATTCH. 2

FILE NAME: P:\05697\0006\DWGs\C-Civil\Plotdwgs\GW Monitoring\dwg\Monitoring-Well-Locations.dwg\11x17 LAST EDIT: 06/11/2021 - 03:16:30 PM LOGIN: slevine@

ATTACHMENT B –
GROUNDWATER MONITORING WELL CONSTRUCTION LOGS

Monitoring Well ID: RMW-1

Client: Black Acre Parnters OPS

Location: Yonkers, NY

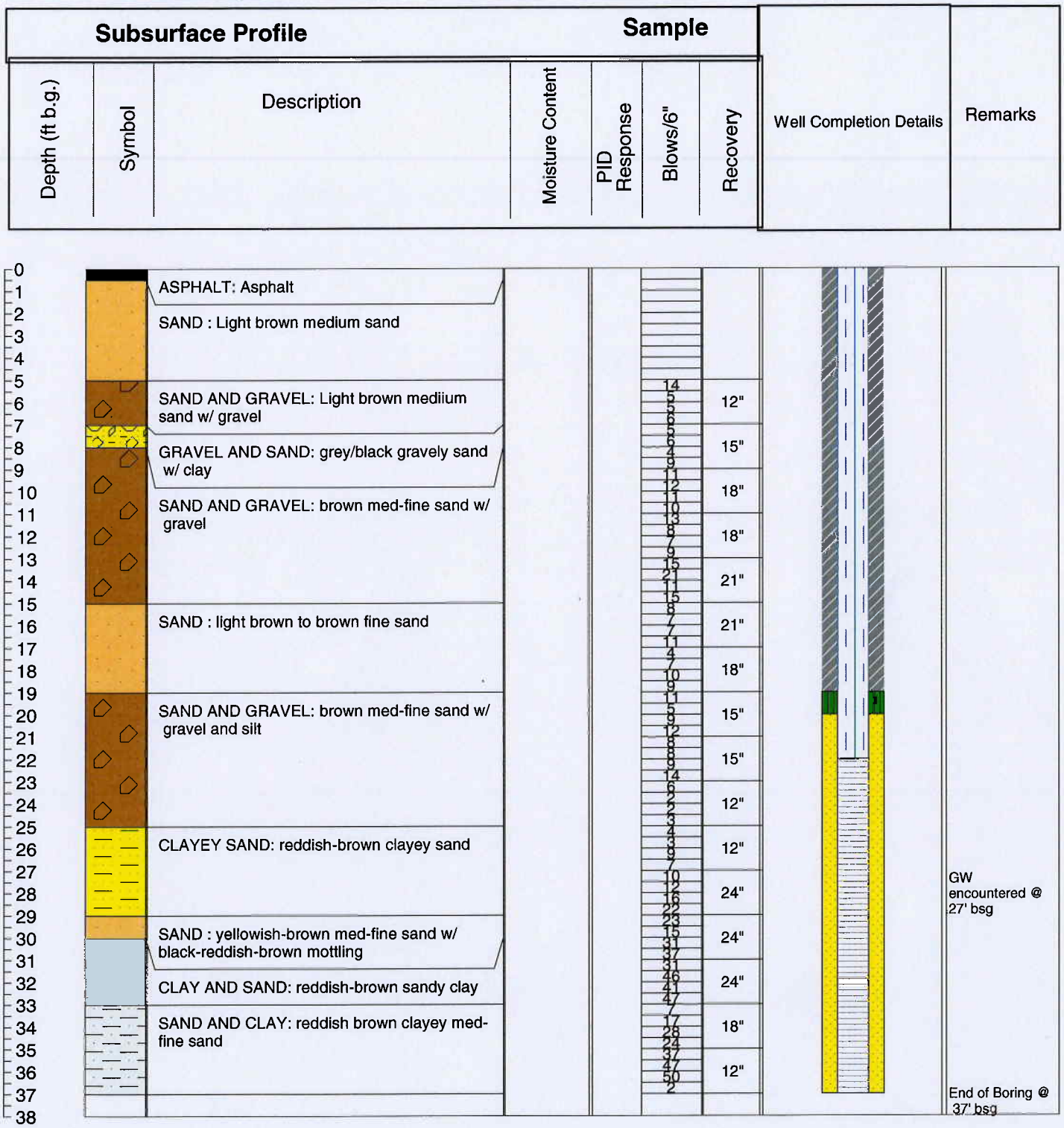
Project: BICC1201

Operational Area: Point Street Parking Lot

Site: 233 Alexander Street

Oversight Personnel: OKM

H2M GROUP
H2M Associates, Inc.
Engineers, Scientists, & Planners
119 Cherry Hill Road, Suite 200
Parsippany, NJ 07054
(862) 207-5900
www.h2m.com



Constructed By: Aquifer Drilling & Testing, Inc.

Casing Diameter: 2

Construction Method: Hollow Stem Auger

Weather:

Construction Date: 11/17/11

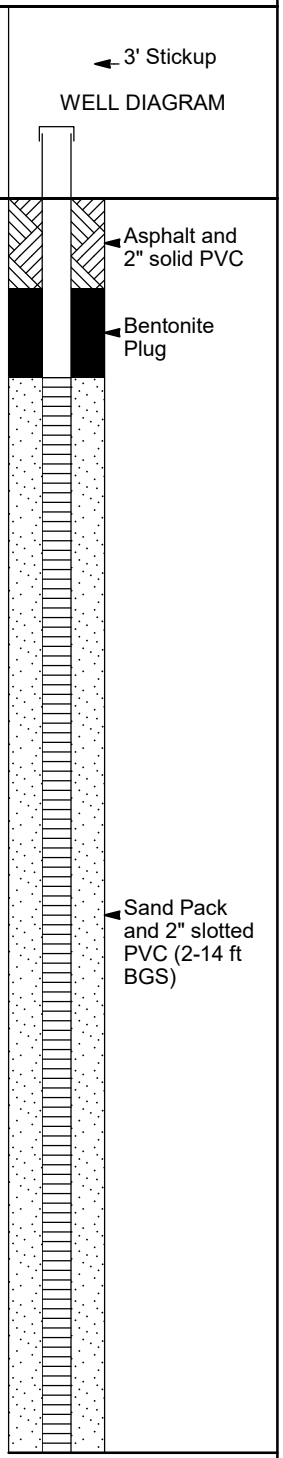
Sheet: 1 of 1

Paulus, Sarkowski and Sartor
1 Larkin Plaza, 2nd Floor
Yonkers, New York 10701

WELL NUMBER RMW-2R

CLIENT Extell
PROJECT NAME BICC
PROJECT NUMBER 056970009
PROJECT LOCATION Yonkers, NY
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
GROUND ELEVATION 8.119 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR ADT
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger 2"
AT TIME OF DRILLING ---
LOGGED BY Scott Caporizzo **CHECKED BY** Eric Stucker
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			Dry, Dk Brown to Reddish Brown SAND
14.0			Bottom of borehole at 14.0 feet.



GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 3/21/19 15:30 - P:\05697\0006\REPORTS\IN-ENVIR\SMP IMPLEMENTATION\ANNUAL INSPECTION AND PRR\2019\SEMI-ANNUAL GW MONITORING\RMW-2 DECOMMISSIONING AND RMW-2R INSTALL\RNW-2R WEI

Monitoring Well ID: RMW-3

Client: Black Acre Parnters OPS

Location: Yonkers, NY

Project: BICC1201

Operational Area: North Yard Area

Site: 233 Alexander Street

Oversight Personnel: OKM

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H2M Associates, Inc.

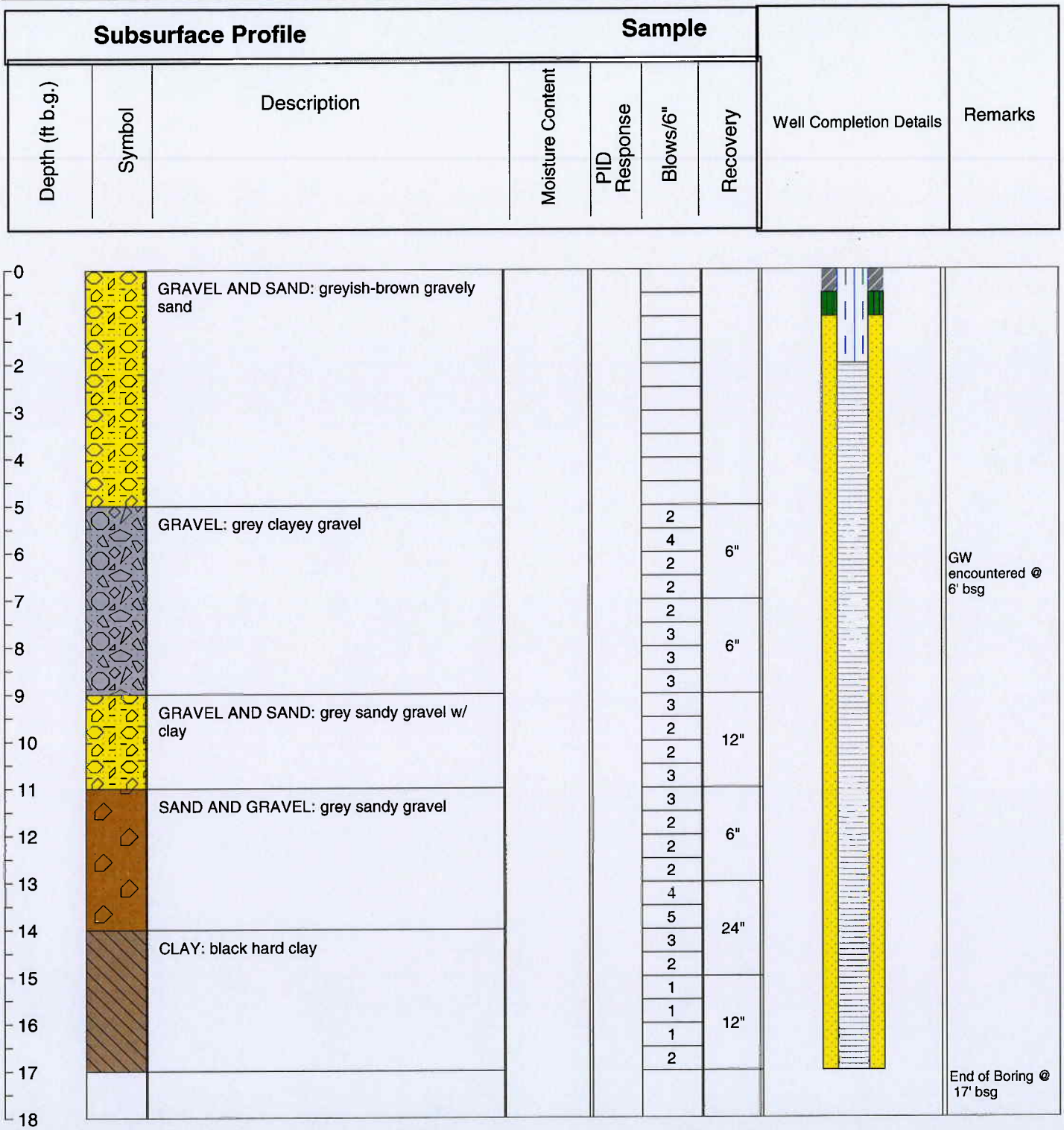
Engineers, Scientists, & Planners

119 Cherry Hill Road, Suite 200

Parsippany, NJ 07054

(862) 207-5900

www.h2m.com



Constructed By: Aquifer Drilling & Testing, Inc.

Casing Diameter: 2

Construction Method: Hollow Stem Auger

Weather:

Construction Date: 11/17/11

Sheet: 1 of 1

7138

Monitoring Well ID: RMW-4

Client: Black Acre Parnters OPS

Location: Yonkers, NY

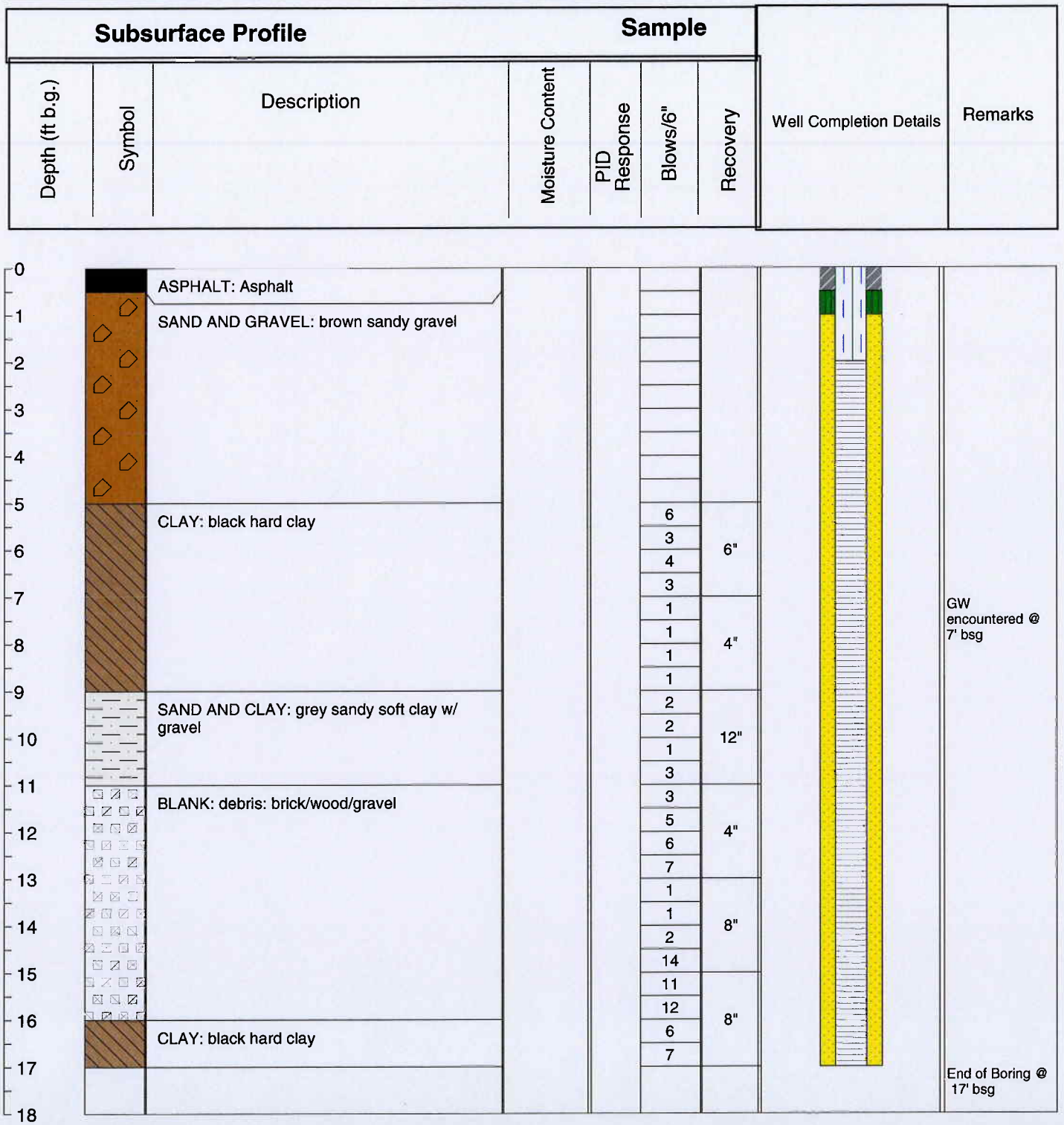
Project: BICC1201

Operational Area: North Yard Area

Site: 233 Alexander Street

Oversight Personnel: OKM

H2M GROUP
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Engineers, Scientists, & Planners
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Parsippany, NJ 07054
(862) 207-5900
www.h2m.com



Constructed By: Aquifer Drilling & Testing, Inc.

Casing Diameter: 2

Construction Method: Hollow Stem Auger

Weather:

Construction Date: 11/21/11

7139

Sheet: 1 of 1

Monitoring Well ID: RMW-5

Client: Black Acre Parnters OPS

Location: Yonkers, NY

Project: BICC1201

Operational Area: South Yard Area

Site: 233 Alexander Street

Oversight Personnel: OKM

H2M GROUP
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Parsippany, NJ 07054
(862) 207-5900
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Subsurface Profile				Sample					
Depth (ft b.g.)	Symbol	Description	Moisture Content	PID Response	Blows/6"	Recovery	Well Completion Details	Remarks
0		ASPHALT: Asphalt						
1		SAND AND CLAY: brown clayey sand w/ small pieces of brick						
2								
3								GW encountered @ 3' bsg
4								
5		GRAVEL AND SAND: brown med-fine sand w/ gravel			5	18"		
6		BLANK: debris/ fill material: black sand w/ pieces of wood, brick & cinders			2 12 6			
7					4	12"		
8					6 5			
9					7			
10					6 8	12"		
11					10 12			
12					7 2	12"		
13					1 1			End of Boring @ 13' bsg
14								

Constructed By: Aquifer Drilling & Testing, Inc.

Casing Diameter: 2

Construction Method: Hollow Stem Auger

Weather:

Construction Date: 11/17/11

7140

Sheet: 1 of 1

WELL NUMBER TW-01

CLIENT Extel Development
PROJECT NAME Former BICC
PROJECT NUMBER 05697.0011
PROJECT LOCATION Yonkers, New York
DATE STARTED 6/18/21 **COMPLETED** 6/18/21
GROUND ELEVATION _____ **HOLE SIZE** 6 inches
DRILLING CONTRACTOR Cascade
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger 2"
▽ **AT TIME OF DRILLING** 16.00 ft
LOGGED BY Brian D'Agostino **CHECKED BY** James Boyer
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0			FILL: Red-brown fine to coarse sand and gravel, little concrete and red brick, trace misc. debris	PID = 0	
				PID = 0	
				PID = 0	
				PID = 0	
5				PID = 0	
				PID = 0	Bentonite Seal
				PID = 0	2" PVC Riser
				PID = 0	
				PID = 0	
10				PID = 0	
				PID = 0	
				PID = 0	
			14.0	PID = 0	
			FILL: Grey-brown fine to coarse sand and gravel, come concrete, wood and red brick, misc. debris	PID = 0	
15			▽	PID = 0	
				PID = 0	
				PID = 0	
				PID = 0	
				PID = 0	
20				PID = 0	#1 Sand
				PID = 0	0.10 Slot PVC Screen with Stainless Steel Factory Pre-Pack
				PID = 0	
			23.0	PID = 0	
			POORLY GRADED SAND WITH SILT AND GRAVEL, blackish brown, fine to coarse grained	PID = 0	
25				PID = 0	
				PID = 0	
			27.0	PID = 0	
			LEAN CLAY WITH SAND, black, firm, with silt	PID = 0	
			29.0	PID = 0	

Refusal at 29.0 feet.
Bottom of borehole at 29.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 6/22/21 10:10 - C:\USERS\BDAGOSTINO\DESKTOP\BICC\CATHEDRALHOUSER\BORINGLOGS.GPJ

WELL NUMBER TW-02

CLIENT Extel Development
PROJECT NAME Former BICC
PROJECT NUMBER 05697.0011
PROJECT LOCATION Yonkers, New York
DATE STARTED 6/21/21 **COMPLETED** 6/21/21
GROUND ELEVATION _____ **HOLE SIZE** 6 inches
DRILLING CONTRACTOR Cascade
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger 2"
▽ **AT TIME OF DRILLING** 15.50 ft
LOGGED BY Brian D'Agostino **CHECKED BY** James Boyer
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0			FILL: Red-brown fine to coarse sand and gravel, little concrete and red brick, trace misc. debris	PID = 0	
				PID = 0	
				PID = 0	
				PID = 0	
5				PID = 0	
				PID = 0	Bentonite Seal
				PID = 0	2" PVC Riser
				PID = 0	
				PID = 0	
10				PID = 0	
				PID = 0	
			12.0	PID = 0	
			FILL: Grey-brown fine to coarse sand and gravel, come concrete, wood and red brick, misc. debris	PID = 0	
			▽	PID = 0	
15				PID = 0	
				PID = 0	
				PID = 0	
				PID = 0	
				PID = 0	
20				PID = 0	#1 Sand
				PID = 0	0.10 Slot PVC Screen with Stainless Steel Factory Pre-Pack
				PID = 0	
				PID = 0	
25			24.0		
			POORLY GRADED SAND WITH SILT AND GRAVEL, blackish brown, fine to coarse grained		
			28.0		
			LEAN CLAY WITH SAND, black, firm, with silt		
			29.0		

Refusal at 29.0 feet.
Bottom of borehole at 29.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 6/22/21 10:10 - C:\USERS\BDAGOSTINO\DESKTOP\BICC\CATHEDRALHOUSER\BORINGLOGS.GPJ

ATTACHMENT C –

GROUNDWATER SAMPLE RESULTS SUMMARY TABLE

Attachment C - Groundwater Sample Results Summary Tabl
BICC Cables Corporation Site

SAMPLE ID:		NY-TOGS Water Quality Standards	RMW-3/7/2/21				RMW-3/7/2/21 FILTERED				RMW-4/7/1/21				RMW-4/7/1/21 FILTERED				TW-01/7/2/21				TW-01/7/2/21 FILTERED				TW-02/7/1/21				TW-02/7/1/21 FILTERED				DUP-1/7/1/21				DUP-1/7/1/21 FILTERED				FIELD BLANK				FIELD BLANK FILTERED			
LAB ID:			L2136156-01				L2136156-02				L2136156-03				L2136156-04				L2136156-05				L2136156-06				L2136156-07				L2136156-08				L2136156-09				L2136156-10				L2136156-11				L2136156-12			
COLLECTION DATE:			7/2/2021				7/2/2021				7/1/2021				7/1/2021				7/2/2021				7/2/2021				7/1/2021				7/1/2021				7/1/2021				7/1/2021				7/1/2021				7/1/2021			
SAMPLE DEPTH:																																																
SAMPLE MATRIX:			WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER			
ANALYTE	CAS	(ug/l)	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS																																																
Methylene chloride	75-09-2	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,1-Dichloroethane	75-34-3	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Chloroform	67-66-3	7	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	1.2	J	2.5	0.7	-	-	-	-
Carbon tetrachloride	56-23-5	5	ND		0.5	0.13	-	-	-	-	ND		0.5	0.13	-	-	-	-	ND		0.5	0.13	-	-	-	-	ND		0.5	0.13	-	-	-	-	ND		0.5	0.13	-	-	-	-	ND		0.5	0.13	-	-	-	-
1,2-Dichloropropane	78-87-5	1	ND		1	0.14	-	-	-	-	ND		1	0.14	-	-	-	-	ND		1	0.14	-	-	-	-	ND		1	0.14	-	-	-	-	ND		1	0.14	-	-	-	-	ND		1	0.14	-	-	-	-
Dibromochloromethane	124-48-1	50	ND		0.5	0.15	-	-	-	-	ND		0.5	0.15	-	-	-	-	ND		0.5	0.15	-	-	-	-	ND		0.5	0.15	-	-	-	-	ND		0.5	0.15	-	-	-	-	ND		0.5	0.15	-	-	-	-
1,1,2-Trichloroethane	79-00-5	1	ND		1.5	0.5	-	-	-	-	ND		1.5	0.5	-	-	-	-	ND		1.5	0.5	-	-	-	-	ND		1.5	0.5	-	-	-	-	ND		1.5	0.5	-	-	-	-	ND		1.5	0.5	-	-	-	-
Tetrachloroethene	127-18-4	5	ND		0.5	0.18	-	-	-	-	ND		0.5	0.18	-	-	-	-	ND		0.5	0.18	-	-	-	-	ND		0.5	0.18	-	-	-	-	ND		0.5	0.18	-	-	-	-	ND		0.5	0.18	-	-	-	-
Chlorobenzene	108-90-7	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Trichlorofluoromethane	75-69-4	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,2-Dichloroethane	107-06-2	0.6	ND		0.5	0.13	-	-	-	-	ND		0.5	0.13	-	-	-	-	ND		0.5	0.13	-	-	-	-	ND		0.5	0.13	-	-	-	-	ND		0.5	0.13	-	-	-	-	ND		0.5	0.13	-	-	-	-
1,1,1-Trichloroethane	71-55-6	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Bromodichloromethane	75-27-4	50	ND		0.5	0.19	-	-	-	-	ND		0.5	0.19	-	-	-	-	ND		0.5	0.19	-	-	-	-	ND		0.5	0.19	-	-	-	-	ND		0.5	0.19	-	-	-	-	ND		0.5	0.19	-	-	-	-
trans-1,3-Dichloropropene	10061-02-6	0.4	ND		0.5	0.16	-	-	-	-	ND		0.5	0.16	-	-	-	-	ND		0.5	0.16	-	-	-	-	ND		0.5	0.16	-	-	-	-	ND		0.5	0.16	-	-	-	-	ND		0.5	0.16	-	-	-	-
cis-1,3-Dichloropropene	10061-01-5	0.4	ND		0.5	0.14	-	-	-	-	ND		0.5	0.14	-	-	-	-	ND		0.5	0.14	-	-	-	-	ND		0.5	0.14	-	-	-	-	ND		0.5	0.14	-	-	-	-	ND		0.5	0.14	-	-	-	-
1,3-Dichloropropene, Total	542-75-6		ND		0.5	0.14	-	-	-	-	ND		0.5	0.14	-	-	-	-	ND		0.5	0.14	-	-	-	-	ND		0.5	0.14	-	-	-	-	ND		0.5	0.14	-	-	-	-	ND		0.5	0.14	-	-	-	-
1,1-Dichloropropene	563-58-6	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Bromoform	75-25-2	50	ND		2	0.65	-	-	-	-	ND		2	0.65	-	-	-	-	ND		2	0.65	-	-	-	-	ND		2	0.65	-	-	-	-	ND		2	0.65	-	-	-	-	ND		2	0.65	-	-	-	-
1,1,2,2-Tetrachloroethane	79-34-5	5	ND		0.5	0.17	-	-	-	-	ND		0.5	0.17	-	-	-	-	ND		0.5	0.17	-	-	-	-	ND		0.5	0.17	-	-	-	-	ND		0.5	0.17	-	-	-	-	ND		0.5	0.17	-	-	-	-
Benzene	71-43-2	1	ND		0.5	0.16	-	-	-	-	ND		0.5	0.16	-	-	-	-	0.87		0.5	0.16	-	-	-	-	4.7		0.5	0.16	-	-	-	-	6.6		0.5	0.16	-	-	-	-	ND		0.5	0.16	-	-	-	-
Toluene	108-88-3	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	7		2.5	0.7	-	-	-	-	8.5		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Ethylbenzene	100-41-4	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	1.3	J	2.5	0.7	-	-	-	-	1.7	J	2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Chloromethane	74-87-3		ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Bromomethane	74-83-9	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Vinyl chloride	75-01-4	2	ND		1	0.07	-	-	-	-	ND		1	0.07	-	-	-	-	ND		1	0.07	-	-	-	-	ND		1	0.07	-	-	-	-	ND		1	0.07	-	-	-	-	ND		1	0.07	-	-	-	-
Chloroethane	75-00-3	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,1-Dichloroethene	75-35-4	5	ND		0.5	0.17	-	-	-	-	ND		0.5	0.17	-	-	-	-	ND		0.5	0.17	-	-	-	-	ND		0.5	0.17	-	-	-	-	ND		0.5	0.17	-	-	-	-	ND		0.5	0.17	-	-	-	-
trans-1,2-Dichloroethene	156-60-5	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Trichloroethene	79-01-6	5	ND		0.5	0.18	-	-	-	-	ND		0.5	0.18	-	-	-	-	ND		0.5	0.18	-	-	-	-	ND		0.5	0.18	-	-	-	-	ND		0.5	0.18	-	-	-	-	ND		0.5	0.18	-	-	-	-
1,2-Dichlorobenzene	95-50-1	3	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,3-Dichlorobenzene	541-73-1	3	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,4-Dichlorobenzene	106-46-7	3	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Methyl tert butyl ether	1634-04-4	10	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
p/m-Xylene	179601-23-1	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	0.84	J	2.5	0.7	-	-	-	-	1.9	J	2.5	0.7	-	-	-	-	2.4	J	2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
o-Xylene	95-47-6	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	0.92	J	2.5	0.7	-	-	-	-	1	J	2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Xylenes, Total	1330-20-7		ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	0.84	J	2.5	0.7	-	-	-	-	2.8	J	2.5	0.7	-	-	-	-	3.4	J	2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
cis-1,2-Dichloroethene	156-59-2	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,2-Dichloroethene, Total	540-59-0		ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Dibromomethane	74-95-3	5	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-
1,2,3-Trichloropropane	96-18-4	0.04	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Acrylonitrile	107-13-1	5	ND		5	1.5	-	-	-	-	ND		5	1.5	-	-	-	-	ND		5	1.5	-	-	-	-	ND		5	1.5	-	-	-	-	ND		5	1.5	-	-	-	-	ND		5	1.5	-	-	-	-
Styrene	100-42-5	930	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Dichlorodifluoromethane	75-71-8	5	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-
Acetone	67-64-1	50	ND		5	1.5	-	-	-	-	2.9	J	5	1.5	-	-	-	-	4.7	J	5	1.5	-	-	-	-	32		5	1.5	-	-	-	-	43		5	1.5	-	-	-	-	2	J	5	1.5	-	-	-	-
Carbon disulfide	75-15-0	60	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	5.2		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-
2-Butanone	78-93-3	50	ND		5	1.9	-	-	-	-	ND		5	1.9	-	-	-	-	ND		5	1.9	-	-	-	-	ND		5	1.9	-	-	-	-	13		5	1.9	-	-	-	-	ND		5	1.9	-	-	-	-
Vinyl acetate	108-05-4		ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-
4-Methyl-2-pentanone	108-10-1		ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-
2-Hexanone	591-78-6	50	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	ND		5	1	-	-	-	-	1.9	J	5	1	-	-	-	-	2.6	J	5	1	-	-	-	-	ND		5	1	-	-	-	-
Bromochloromethane	74-97-5	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
2,2-Dichloropropane	594-20-7	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,2-Dibromoethane	106-93-4	0.0006	ND		2	0.65	-	-	-	-	ND		2	0.65	-	-	-	-	ND		2	0.65	-	-	-	-	ND		2	0.65	-	-	-	-	ND		2	0.65	-	-	-	-	ND		2	0.65	-	-	-	-
1,3-Dichloropropane	142-28-9	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,1,1,2-Tetrachloroethane	630-20-6	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Bromobenzene	108-86-1	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
n-Butylbenzene	104-51-8	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
sec-Butylbenzene	135-98-8	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
tert-Butylbenzene	98-06-6	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
o-Chlorotoluene	95-49-8	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	0.76	J	2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
p-Chlorotoluene	106-43-4	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Hexachlorobutadiene	87-68-3	0.5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Isopropylbenzene	98-82-8	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	0.76	J	2.5	0.7	-	-	-	-	0.86	J	2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
p-Isopropyltoluene	99-87-6	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Naphthalene	91-20-3	10	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	0.78	J	2.5	0.7	-	-	-	-	3.2		2.5	0.7	-	-	-	-	3.2		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
n-Propylbenzene	103-65-1	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,2,3-Trichlorobenzene	87-61-6	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,2,4-Trichlorobenzene	120-82-1	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,3,5-Trimethylbenzene	108-67-8	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,2,4-Trimethylbenzene	95-63-6	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	1.1	J	2.5	0.7	-	-	-	-	1.2	J	2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
1,4-Dioxane	123-91-1		ND		250	61	-	-	-	-	ND		250	61	-	-	-	-	ND		250	61	-	-	-	-	ND		250	61	-	-	-	-	ND		250	61	-	-	-	-	ND		250	61	-	-	-	-
p-Diethylbenzene	105-05-5		ND		2	0.7	-	-	-	-	ND		2	0.7	-	-	-	-	ND		2	0.7	-	-	-	-	ND		2	0.7	-	-	-	-	ND		2	0.7	-	-	-	-	ND		2	0.7	-	-	-	-
p-Ethyltoluene	622-96-8		ND		2	0.7	-	-	-	-	ND		2	0.7	-	-	-	-	ND		2	0.7	-	-	-	-	ND		2	0.7	-	-	-	-	ND		2	0.7	-	-	-	-	ND		2	0.7	-	-	-	-
1,2,4,5-Tetramethylbenzene	95-93-2	5	ND		2	0.54	-	-	-	-	ND		2	0.54	-	-	-	-	ND		2	0.54	-	-	-	-	ND		2	0.54	-	-	-	-	ND		2	0.54	-	-	-	-	ND		2	0.54	-	-	-	-
Ethyl ether	60-29-7		ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
trans-1,4-Dichloro-2-butene	110-57-6	5	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-	ND		2.5	0.7	-	-	-	-
Total VOCs			-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-	13.15	-	-	-	-	-	-	-	54.78	-	-	-	-	-	-	-	84.06	-	-	-	-	-	-	-	3.2	-	-	-	-	-	-	-
POLYCHLORINATED BIPHENYLS BY GC																																															
Aroclor 1016	12674-11-2	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1221	11104-28-2	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1232	11141-16-5	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1242	53469-21-9	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1248	12672-29-6	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1254	11097-69-1	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1260	11096-82-5	0.09	ND		0.071	0.061	ND		0.071	0.061	0.158		0.071	0.061	ND		0.071	0.061	0.062	J	0.071	0.061	ND		0.071	0.061	0.291		0.071	0.061	ND		0.071	0.061	0.113		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1262	37324-23-5	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1268	11100-14-4	0.09	ND		0.071	0.061	ND		0.071	0.061	0.16		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	0.358		0.071	0.061	ND		0.071	0.061	0.105		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	ND		0.071

ATTACHMENT D –

7/27/21 ANALYTICAL REPORT, ALPHA ANALYTICAL LABORATORIES

ANALYTICAL REPORT

Lab Number:	L2136156
Client:	PS&S Engineering, Inc. 1 Larkin Plaza 2nd Floor Yonkers, NY 10701
ATTN:	James Boyer
Phone:	(914) 509-8600
Project Name:	EXTELL BICC
Project Number:	05697.0011
Report Date:	07/27/21

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: EXTELL BICC
Project Number: 05697.0011

Lab Number: L2136156
Report Date: 07/27/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2136156-01	RMW-3/7/2/21	WATER	YONKERS, NY	07/02/21 13:45	07/06/21
L2136156-02	RMW-3/7/2/21 FILTERED	WATER	YONKERS, NY	07/02/21 13:45	07/06/21
L2136156-03	RMW-4/7/1/21	WATER	YONKERS, NY	07/01/21 10:20	07/06/21
L2136156-04	RMW-4/7/1/21 FILTERED	WATER	YONKERS, NY	07/01/21 10:20	07/06/21
L2136156-05	TW-01/7/2/21	WATER	YONKERS, NY	07/02/21 12:40	07/06/21
L2136156-06	TW-01/7/2/21 FILTERED	WATER	YONKERS, NY	07/02/21 12:40	07/06/21
L2136156-07	TW-02/7/1/21	WATER	YONKERS, NY	07/01/21 11:40	07/06/21
L2136156-08	TW-02/7/1/21 FILTERED	WATER	YONKERS, NY	07/01/21 11:40	07/06/21
L2136156-09	DUP-1/7/1/21	WATER	YONKERS, NY	07/01/21 00:00	07/06/21
L2136156-10	DUP-1/7/1/21 FILTERED	WATER	YONKERS, NY	07/01/21 00:00	07/06/21
L2136156-11	FIELD BLANK	WATER	YONKERS, NY	07/01/21 13:40	07/06/21
L2136156-12	FIELD BLANK FILTERED	WATER	YONKERS, NY	07/01/21 13:40	07/06/21

Project Name:	EXTELL BICC	**Lab Number:**	L2136156
Project Number:	05697.0011	**Report Date:**	07/27/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	EXTELL BICC	**Lab Number:**	L2136156
Project Number:	05697.0011	**Report Date:**	07/27/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 07/27/21

ORGANICS

VOLATILES

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-01
Client ID: RMW-3/7/2/21
Sample Location: YONKERS, NY

Date Collected: 07/02/21 13:45
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/13/21 11:22
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-01
Client ID: RMW-3/7/2/21
Sample Location: YONKERS, NY
Date Collected: 07/02/21 13:45
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-01
Client ID: RMW-3/7/2/21
Sample Location: YONKERS, NY
Date Collected: 07/02/21 13:45
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-03
Client ID: RMW-4/7/1/21
Sample Location: YONKERS, NY

Date Collected: 07/01/21 10:20
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/13/21 11:49
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-03
Client ID: RMW-4/7/1/21
Sample Location: YONKERS, NY
Date Collected: 07/01/21 10:20
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-03
Client ID: RMW-4/7/1/21
Sample Location: YONKERS, NY
Date Collected: 07/01/21 10:20
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-05
Client ID: TW-01/7/2/21
Sample Location: YONKERS, NY

Date Collected: 07/02/21 12:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/13/21 12:16
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.87		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: EXTELL BICC **Lab Number:** L2136156

Project Number: 05697.0011 **Report Date:** 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-05 Date Collected: 07/02/21 12:40

Client ID: TW-01/7/2/21 Date Received: 07/06/21

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	0.84	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	0.84	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.7	J	ug/l	5.0	1.5	1
Carbon disulfide	5.2		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	0.76	J	ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.78	J	ug/l	2.5	0.70	1

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-05
Client ID: TW-01/7/2/21
Sample Location: YONKERS, NY
Date Collected: 07/02/21 12:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	104		70-130

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-07
Client ID: TW-02/7/1/21
Sample Location: YONKERS, NY

Date Collected: 07/01/21 11:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/13/21 12:43
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	4.7		ug/l	0.50	0.16	1
Toluene	7.0		ug/l	2.5	0.70	1
Ethylbenzene	1.3	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-07
Client ID: TW-02/7/1/21
Sample Location: YONKERS, NY
Date Collected: 07/01/21 11:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.9	J	ug/l	2.5	0.70	1
o-Xylene	0.92	J	ug/l	2.5	0.70	1
Xylenes, Total	2.8	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	32		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	1.9	J	ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	0.76	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	3.2		ug/l	2.5	0.70	1

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-07
Client ID: TW-02/7/1/21
Sample Location: YONKERS, NY
Date Collected: 07/01/21 11:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.1	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-09
Client ID: DUP-1/7/1/21
Sample Location: YONKERS, NY

Date Collected: 07/01/21 00:00
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/13/21 13:11
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	6.6		ug/l	0.50	0.16	1
Toluene	8.5		ug/l	2.5	0.70	1
Ethylbenzene	1.7	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: EXTELL BICC **Lab Number:** L2136156

Project Number: 05697.0011 **Report Date:** 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-09 Date Collected: 07/01/21 00:00

Client ID: DUP-1/7/1/21 Date Received: 07/06/21

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	2.4	J	ug/l	2.5	0.70	1
o-Xylene	1.0	J	ug/l	2.5	0.70	1
Xylenes, Total	3.4	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	43		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	13		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	2.6	J	ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	0.86	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	3.2		ug/l	2.5	0.70	1

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-09
Client ID: DUP-1/7/1/21
Sample Location: YONKERS, NY
Date Collected: 07/01/21 00:00
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.2	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-11
Client ID: FIELD BLANK
Sample Location: YONKERS, NY
Date Collected: 07/01/21 13:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/13/21 10:55
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.2	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-11
Client ID: FIELD BLANK
Sample Location: YONKERS, NY
Date Collected: 07/01/21 13:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-11
Client ID: FIELD BLANK
Sample Location: YONKERS, NY
Date Collected: 07/01/21 13:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/13/21 10:28
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07,09,11 Batch: WG1523513-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/13/21 10:28
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07,09,11 Batch: WG1523513-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/13/21 10:28
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07,09,11 Batch: WG1523513-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL BICC

Project Number: 05697.0011

Lab Number: L2136156

Report Date: 07/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07,09,11 Batch: WG1523513-3 WG1523513-4								
Methylene chloride	98		95		70-130	3		20
1,1-Dichloroethane	99		97		70-130	2		20
Chloroform	100		97		70-130	3		20
Carbon tetrachloride	94		89		63-132	5		20
1,2-Dichloropropane	99		98		70-130	1		20
Dibromochloromethane	92		91		63-130	1		20
1,1,2-Trichloroethane	90		91		70-130	1		20
Tetrachloroethene	92		88		70-130	4		20
Chlorobenzene	92		92		75-130	0		20
Trichlorofluoromethane	100		97		62-150	3		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	92		89		67-130	3		20
Bromodichloromethane	97		96		67-130	1		20
trans-1,3-Dichloropropene	94		94		70-130	0		20
cis-1,3-Dichloropropene	98		98		70-130	0		20
1,1-Dichloropropene	96		93		70-130	3		20
Bromoform	85		81		54-136	5		20
1,1,2,2-Tetrachloroethane	120		110		67-130	9		20
Benzene	99		98		70-130	1		20
Toluene	94		91		70-130	3		20
Ethylbenzene	93		92		70-130	1		20
Chloromethane	120		120		64-130	0		20
Bromomethane	**160**	Q	**160**	Q	39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL BICC

Project Number: 05697.0011

Lab Number: L2136156

Report Date: 07/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07,09,11 Batch: WG1523513-3 WG1523513-4								
Vinyl chloride	100		97		55-140	3		20
Chloroethane	120		100		55-138	18		20
1,1-Dichloroethene	94		84		61-145	11		20
trans-1,2-Dichloroethene	97		93		70-130	4		20
Trichloroethene	85		86		70-130	1		20
1,2-Dichlorobenzene	94		92		70-130	2		20
1,3-Dichlorobenzene	96		90		70-130	6		20
1,4-Dichlorobenzene	94		91		70-130	3		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	94		90		70-130	4		20
Dibromomethane	99		94		70-130	5		20
1,2,3-Trichloropropane	100		97		64-130	3		20
Acrylonitrile	100		110		70-130	10		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	140		140		36-147	0		20
Acetone	100		95		58-148	5		20
Carbon disulfide	100		98		51-130	2		20
2-Butanone	99		110		63-138	11		20
Vinyl acetate	**190**	Q	**190**	Q	70-130	0		20
4-Methyl-2-pentanone	90		95		59-130	5		20
2-Hexanone	100		110		57-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL BICC

Project Number: 05697.0011

Lab Number: L2136156

Report Date: 07/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07,09,11 Batch: WG1523513-3 WG1523513-4								
Bromochloromethane	100		92		70-130	8		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	98		95		70-130	3		20
1,3-Dichloropropane	98		96		70-130	2		20
1,1,1,2-Tetrachloroethane	92		90		64-130	2		20
Bromobenzene	93		90		70-130	3		20
n-Butylbenzene	95		94		53-136	1		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	91		88		70-130	3		20
o-Chlorotoluene	95		94		70-130	1		20
p-Chlorotoluene	94		90		70-130	4		20
1,2-Dibromo-3-chloropropane	86		90		41-144	5		20
Hexachlorobutadiene	89		89		63-130	0		20
Isopropylbenzene	95		91		70-130	4		20
p-Isopropyltoluene	92		92		70-130	0		20
Naphthalene	83		86		70-130	4		20
n-Propylbenzene	94		90		69-130	4		20
1,2,3-Trichlorobenzene	90		91		70-130	1		20
1,2,4-Trichlorobenzene	89		89		70-130	0		20
1,3,5-Trimethylbenzene	94		90		64-130	4		20
1,2,4-Trimethylbenzene	96		91		70-130	5		20
1,4-Dioxane	98		106		56-162	8		20
p-Diethylbenzene	97		93		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL BICC

Project Number: 05697.0011

Lab Number: L2136156

Report Date: 07/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07,09,11 Batch: WG1523513-3 WG1523513-4								
p-Ethyltoluene	97		93		70-130	4		20
1,2,4,5-Tetramethylbenzene	90		88		70-130	2		20
Ethyl ether	110		120		59-134	9		20
trans-1,4-Dichloro-2-butene	80		80		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		113		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	104		106		70-130

PCBS

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-01
Client ID: RMW-3/7/2/21
Sample Location: YONKERS, NY

Date Collected: 07/02/21 13:45
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/21 10:27
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	B
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-02
Client ID: RMW-3/7/2/21 FILTERED
Sample Location: YONKERS, NY

Date Collected: 07/02/21 13:45
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/21 10:34
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-03
Client ID: RMW-4/7/1/21
Sample Location: YONKERS, NY

Date Collected: 07/01/21 10:20
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/21 12:39
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	0.158		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	0.160		ug/l	0.071	0.061	1	A
PCBs, Total	0.318		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-04
Client ID: RMW-4/7/1/21 FILTERED
Sample Location: YONKERS, NY

Date Collected: 07/01/21 10:20
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/17/21 00:07
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-05
Client ID: TW-01/7/2/21
Sample Location: YONKERS, NY

Date Collected: 07/02/21 12:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/21 12:47
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	0.062	J	ug/l	0.071	0.061	1	B
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	0.062	J	ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-06
Client ID: TW-01/7/2/21 FILTERED
Sample Location: YONKERS, NY

Date Collected: 07/02/21 12:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/21 12:54
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	B
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-07
Client ID: TW-02/7/1/21
Sample Location: YONKERS, NY

Date Collected: 07/01/21 11:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/21 13:02
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	0.291		ug/l	0.071	0.061	1	B
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	0.358		ug/l	0.071	0.061	1	A
PCBs, Total	0.649		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-08
Client ID: TW-02/7/1/21 FILTERED
Sample Location: YONKERS, NY

Date Collected: 07/01/21 11:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/21 13:10
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-09
Client ID: DUP-1/7/1/21
Sample Location: YONKERS, NY

Date Collected: 07/01/21 00:00
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/21 13:18
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	0.113		ug/l	0.071	0.061	1	B
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	0.105		ug/l	0.071	0.061	1	A
PCBs, Total	0.218		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-10
Client ID: DUP-1/7/1/21 FILTERED
Sample Location: YONKERS, NY

Date Collected: 07/01/21 00:00
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/21 13:26
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	B
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-11
Client ID: FIELD BLANK
Sample Location: YONKERS, NY

Date Collected: 07/01/21 13:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/21 13:34
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: EXTELL BICC
Project Number: 05697.0011
Lab Number: L2136156
Report Date: 07/27/21

SAMPLE RESULTS

Lab ID: L2136156-12
Client ID: FIELD BLANK FILTERED
Sample Location: YONKERS, NY

Date Collected: 07/01/21 13:40
Date Received: 07/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/16/21 13:42
Analyst: AWS

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: EXTELL BICC
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/16/21 10:03
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 07/16/21 00:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-12 Batch: WG1524466-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: EXTELL BICC

Project Number: 05697.0011

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Report Date: 07/27/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG1524466-2 WG1524466-3									
Aroclor 1016	66		66		40-140	0		50	A
Aroclor 1260	63		65		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		63		30-150	A
Decachlorobiphenyl	66		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		68		30-150	B
Decachlorobiphenyl	71		73		30-150	B

Project Name: EXTELL BICC
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Report Date: 07/27/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2136156-01A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-01B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-01C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-01D	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-01E	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-02A	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		FILTER-EXT(1),NYTCL-8082-LVI(365)
L2136156-02B	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		FILTER-EXT(1),NYTCL-8082-LVI(365)
L2136156-02X	Amber 120ml unpreserved Filtrates	A	NA		3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-02Y	Amber 120ml unpreserved Filtrates	A	NA		3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-03A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-03B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-03C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-03D	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-03E	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-04A	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		FILTER-EXT(1),NYTCL-8082-LVI(365)
L2136156-04B	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		FILTER-EXT(1),NYTCL-8082-LVI(365)
L2136156-04X	Amber 120ml unpreserved Filtrates	A	NA		3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-04Y	Amber 120ml unpreserved Filtrates	A	NA		3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-05A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-05B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-05C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-05D	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-05E	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name: EXTELL BICC
Project Number: 05697.0011

Lab Number: L2136156
Report Date: 07/27/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2136156-06A	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		FILTER-EXT(1),NYTCL-8082-LVI(365)
L2136156-06B	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		FILTER-EXT(1),NYTCL-8082-LVI(365)
L2136156-06X	Amber 120ml unpreserved Filtrates	A	NA		3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-06Y	Amber 120ml unpreserved Filtrates	A	NA		3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-07A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-07B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-07C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-07D	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-07E	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-08A	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		FILTER-EXT(1),NYTCL-8082-LVI(365)
L2136156-08B	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		FILTER-EXT(1),NYTCL-8082-LVI(365)
L2136156-08X	Amber 120ml unpreserved Filtrates	A	NA		3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-08Y	Amber 120ml unpreserved Filtrates	A	NA		3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-09A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-09B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-09C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-09D	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-09E	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-10A	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		FILTER-EXT(1),NYTCL-8082-LVI(365)
L2136156-10B	Amber 120ml unpreserved	A	8	8	3.4	Y	Absent		FILTER-EXT(1),NYTCL-8082-LVI(365)
L2136156-10X	Amber 120ml unpreserved Filtrates	A	NA		3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-10Y	Amber 120ml unpreserved Filtrates	A	NA		3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-11A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-11B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-11C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2136156-11D	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-11E	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-12A	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		FILTER-EXT(1),NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name: EXTELL BICC
Project Number: 05697.0011

Lab Number: L2136156
Report Date: 07/27/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2136156-12B	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		FILTER-EXT(1),NYTCL-8082-LVI(365)
L2136156-12X	Amber 120ml unpreserved Filtrates	A	NA		3.4	Y	Absent		NYTCL-8082-LVI(365)
L2136156-12Y	Amber 120ml unpreserved Filtrates	A	NA		3.4	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name:	EXTELL BICC	**Lab Number:**	L2136156
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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	EXTELL BICC	**Lab Number:**	L2136156
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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	EXTELL BICC	**Lab Number:**	L2136156
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Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	EXTELL BICC	**Lab Number:**	L2136156
Project Number:	05697.0011	**Report Date:**	07/27/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 7/6/21

ALPHA Job #: L2136156

Client Information
Client: PS&S
Address: 1 Larkin Plaza 2nd Floor Yonkers NY 10701
Phone: 914-509-8900
Fax:
Email: jboyer@pslsi.com

Project Information
Project Name: Exell BTC
Project Location: Yonkers, NY
Project #: 05947.001
(Use Project name as Project #)
Project Manager: James Boyer
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] NJ Full / Reduced
[ ] EQuIS (1 File) [X] EQuIS (4 File) ASP-B
[ ] Other

Billing Information
[X] Same as Client Info
PO #

Regulatory Requirement
[ ] SRS Residential/Non Residential
[ ] SRS Impact to Groundwater
[ ] NJ Ground Water Quality Standards
[ ] NJ IGW SPLP Leachate Criteria
[ ] Other

Site Information
Is this site impacted by Petroleum? Yes [ ]
Petroleum Product:

These samples have been previously analyzed by Alpha [ ]

For EPH, selection is REQUIRED:
[ ] Category 1
[ ] Category 2

For VOC, selection is REQUIRED:
[ ] 1,4-Dioxane
[ ] 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	PCBs 8082	PCBs Filtered (8082)					Sample Specific Comments	Total Bottle
36156 -01,-02	RMW-3/7/2/21	7/2/21	1345	GW	ES	X	X	X						7
-03,-04 -02	RMW-4/7/1/21	7/1/21	1020			X	X	X						
-05,-06 -03	TW-01/7/2/21	7/2/21	1340			X	X	X						
-07,-08	TW-03/7/1/21	7/1/21	1140			X	X	X						
-09,-10	DUP-1/7/1/21		—			X	X	X						
-11,-12	FIELD BLANK		1340			X	X	X						

Container Type: A A V
Preservative: A A B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	7/6/21 11:10		7/6/21 11:10
	7/6/21 17:00		7/6/21 [illegible]
	7/6/21 2255		7/6/21 2255

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

ATTACHMENT E –

DATA USABILITY SUMMARY REPORT

Data Usability Summary Report

Site: Former BICC Cables Site		Case Number: C360051
SDG Number(s): L2136156	Date Rec'd by Lab: 07/06/2021	Lab Report Date: 07/27/2021
Reviewed by: David Maio		Date Reviewed: 08/20/2021

Number of samples of each matrix in data package: 5 water 0 soil

Analyses requested: ☑ Volatile organics ☐ Semivolatile organics ☐ Metals/cyanide ☑ PCBs ☐ Pesticides / Herbicides

1.	Is the data package complete as defined under the requirements for NYSDEC ASP Category B deliverables?	**Yes** ☑	No ☐
	Exceptions:	☐ Details attached	
	Actions:	☐ Details attached	
2.	Have all holding times been met (see QA/QC Plan)?	**Yes** ☐	No ☑
	Exceptions: -02 (FILTER-EXT), -04 (FILTER-EXT), -06 (FILTER-EXT), -08 (FILTER-EXT), -10 (FILTER-EXT), -12 (FILTER-EXT)		
	Actions/effect on results:	☐ Details attached	
3.	Do all the QC data fall within the protocol required limits and specifications? (blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls, sample data)	**Yes** ☐	No ☑
	Reported exceptions: See pages 22, 23, 167, 170, 242, 724, 725	☑ Details attached	
	Actions/effect on results:	☐ Details attached	
4.	Have all of the data been generated using established and agreed upon analytical protocols? Test method(s): 8260C; 8082A;	**Yes** ☑	No ☐
	Reported exceptions:	☐ Details attached	
	Actions/effect on results:	☐ Details attached	
5.	Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?	**Yes** ☑	No ☐ NA ☐
	Exceptions:	☐ Details attached	
	Actions/effect on results:	☐ Details attached	
6.	Have the correct data qualifiers been used by the laboratory?	**Yes** ☐	No ☑
	Exceptions: Pg. 52, Cas no. 1330-20-7 (J), pg. 56 Cas no. 1330-20-7 (J)	☐ Details attached	

Specific issues reported by laboratory (check all that apply):

☐ Sample(s) reanalyzed at dilution	☐ Details attached
☐ Blank contamination	☐ Details attached
☐ Matrix effects	☐ Details attached
☐ Other:	☐ Details attached

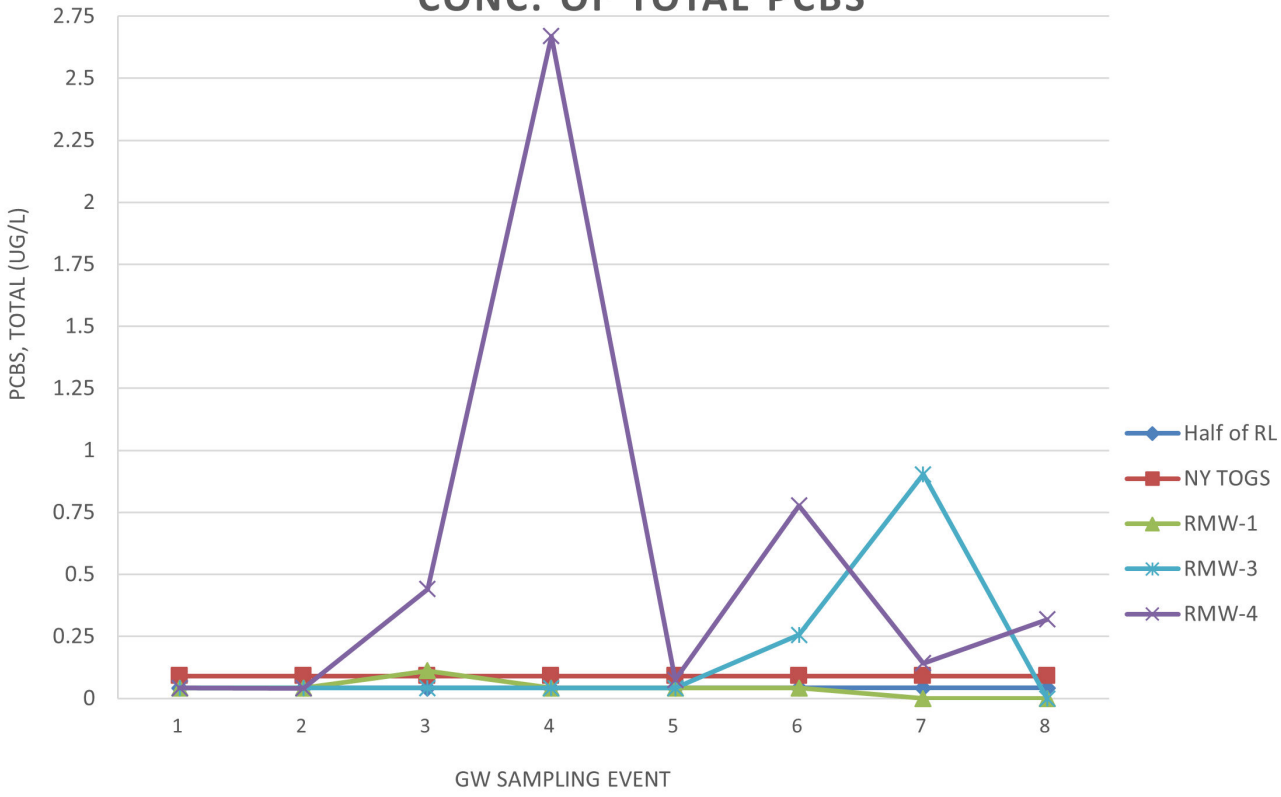
Changes by reviewer (attach markup of data form):

☐ Data qualifiers added/changed	☐ Details attached
☐ Some data rejected (R)	☐ Details attached

ATTACHMENT F –

EXCEEDANCE SUMMARY CHARTS

CHART F2-
CONC. OF TOTAL PCBS



NOTES:

1. All non-detect results were included at a concentration of half of the reporting limit (RL).

FIGURE 3

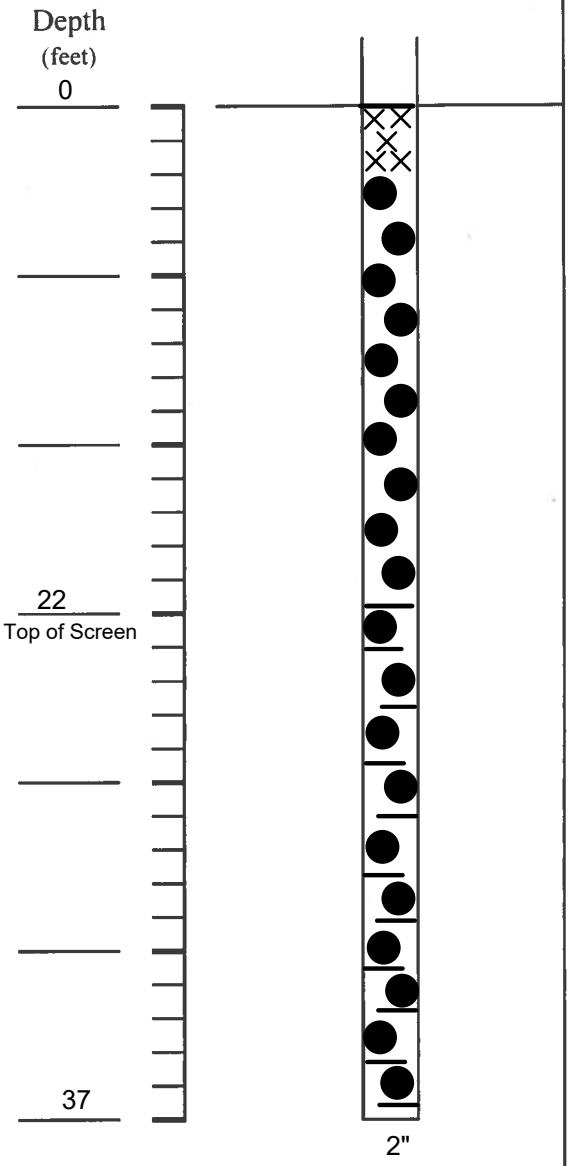
WELL DECOMMISSIONING RECORD

Site Name: Extell (BICC)	Well I.D.: RMW-1
Site Location: 233 Alexander Street (Point St Parking Lot) Yonkers	Driller: Garret Stiers / Nicholas Fallucca, CWD
Drilling Co.: SGS North America, Inc.	Inspector: Adam Graham
	Date: 3/4/2021

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	0-37' bgs
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	6
Quantity of cement used (lbs.)	98
Cement type	Portland Type I,II
Quantity of bentonite used (lbs.)	4
Quantity of calcium chloride used (lbs.)	NA
Volume of grout prepared (gal.)	7.0-7.5
Volume of grout used (gal.)	6.5-7.0

WELL SCHEMATIC*



COMMENTS: Tremie grout from bottom to top. Remove protective casing & pad.

Cut down well 1-2' bgs and backfill to 2-3" bgs and asphalt patch to surface.

* Sketch in all relevant decommissioning data, including interval overdrilled, interval grouted, casing left in hole, well stickup, etc

Nicholas A Fallucca
Drilling Contractor

Department Representative

FIGURE 3

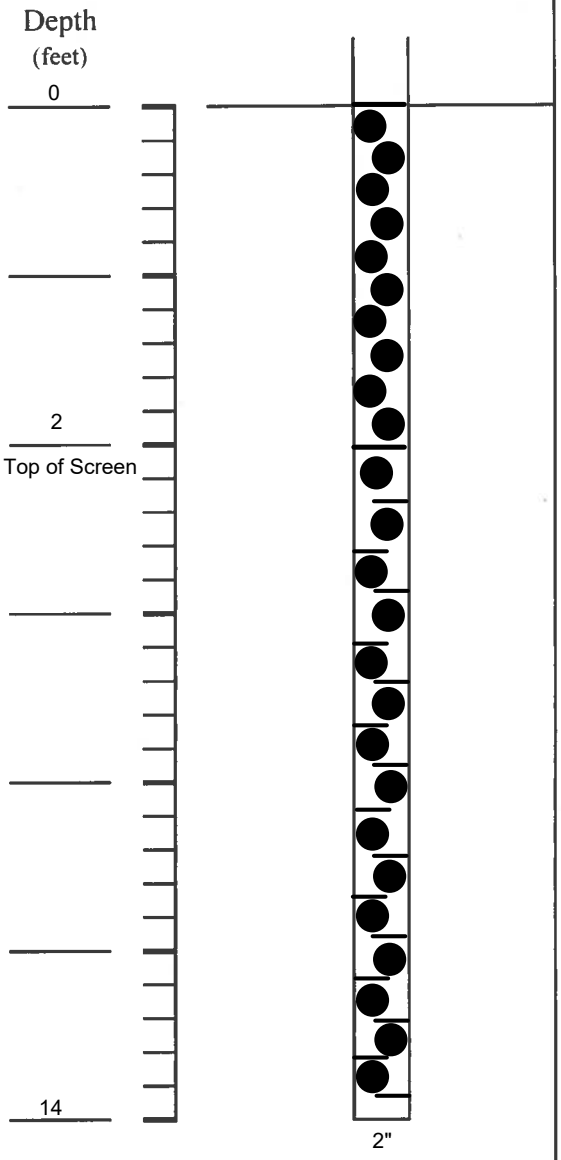
WELL DECOMMISSIONING RECORD

Site Name: Extell (BICC)	Well I.D.: RMW-2R
Site Location: 159 Alexander Street Yonkers	Driller: Garrett Stiers / Nicholas Fallucca CWD
Drilling Co.: SGS North America, Inc	Inspector: Adam Graham
	Date: 3/4/2021

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	0-14' bgs
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	3
Quantity of cement used (lbs.)	47
Cement type	Portland Type I,II
Quantity of bentonite used (lbs.)	2
Quantity of calcium chloride used (lbs.)	NA
Volume of grout prepared (gal.)	3.0-4.0
Volume of grout used (gal.)	3.0-4.0

WELL SCHEMATIC*



COMMENTS: Tremie grout from bottom to top. Remove protective casing & pad.
Cut down well 1-2' bgs and backfill to 2-3" bgs and asphalt patch to surface.

* Sketch in all relevant decommissioning data, including interval overdrilled, interval grouted, casing left in hole, well stickup, etc

Nicholas A Fallucca
Drilling Contractor

Department Representative

Appendix E

EXCAVATION WORK PLAN COMPLIANCE DOCUMENTATION

Straight Bill of Lading D76554

Please type or print

1. Generator EPA ID # (If applicable)	2. Page 1 of	3. Emergency Response #	4. Document Tracking Number
VSQ9	1	908-354-0210	ACV 086250

5. Generator Name and Mailing Address

SGS NORTH AMERICA
140 ALEXANDER STREET
YONKERS, NY 10701

Generator Phone: 609-294-1110

Generator's Site Address (if different)

ACV Job Number:

6. Transporter 1 Company Name ACV ENVIRONMENTAL SERVICES, INC — **US EPA ID Number (if applicable)** NJD003812047

7. Transporter 2 Company Name — **US EPA ID Number (if applicable)**

8. Designated Facility Name and Mailing Address — **US EPA ID Number (if applicable)**

CYCLE CHEM, INC.
217 SOUTH FIRST STREET
ELIZABETH, NJ 07206

NJD002200046

8. Designated Facility Phone: 908-355-5800

9a. HM	9b. Material Description (Proper shipping name required if DOT Hazardous Material)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit (Wt/Vol)	13. Waste Codes
	1. Non-DOT, Non-RCRA Regulated Material	1 X 1	DM	300	P	27
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information D76554 SO 79056 SFSO# 1X55

ProfileID 143451 NON-TSCA PCB CONTAMINATED SOIL/DEBRIS

15. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded and are in all respects proper condition for transport according to applicable international and national governmental regulations.

Printed/Typed Name	Signature	Month	Day	Year
[illegible] Transporter		03	11	21

16. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Transporter		03	11	21

17. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy Indication Space (to be completed by Designated Facility)

19. Designated Facility Certification of Receipt of the materials covered by this shipping paper except as noted in item 19

Printed/Typed Name	Signature	Month	Day	Year
[illegible]		3	11	21

Revised January 2018

AWT ENVIRONMENTAL SERVICES, INC.

Professional Contractors in Site Remediation, Decontamination and Waste Management

DISPOSAL PRICE QUOTATION

CUSTOMER:	PS&S	**DATE:**	August 17, 2021
ATTENTION:	Sarah Levine	**AWT REP:**	Thomas P. Russo
PROPOSAL #:	21-1752	**LOCATION:**	Yonkers, NY
		QUOTED BY:	Jennifer Hack

WASTE DISPOSAL:

Description	Conditions	Qty	Per	Rate
Non-Hazardous Purge Water	RCRA/TSCA Non-Hazardous, pH 5-9	1	Drum	95.00

OTHER PRICING:

Description	Conditions	Qty	Per	Rate
Transportation, QA/QC, fuel, documents	Up to 10 drums	1	Load	925.00
No Load Fee	Truck ordered & not used	0	Load	925.00
Demurrage	After first hour on site	0	Hour	125.00

ESTIMATED TOTAL

All pricing is based on information provided to AWT. Waste classification is the generator's responsibility. Any off-specification ch incurred by the customer. All pricing is subject to facility acceptance. Demurrage will not apply for mechanical problems or driver er material will be returned to site at the transportation rate. The cost for an EPA ID application (if needed) is included, but overnight c be charged. Unless re-packaging by AWT is involved, all containerized waste must be in DOT shipping condition and truck-accessib authorized signatory must be present at pickup. Payment terms are net 30 days unless specified in a separate subcontractor agreemen invoices are subject to a 1.5% per month finance charge plus any collection costs. By signing below, email, purchase order or any fo authorization, customer agrees to this proposal and these stated conditions.

Other Comments:
Drums must weigh <600 pounds per container

Authorized Signature and Date James Boyer

P.O. Box 128
Sayreville, NJ 08871
(732) 613-1660
Fax (732) 613-1536

AWT ENVIRONMENTAL SERVICES, INC.

Professional Contractors in Site Remediation,
Decontamination and Waste Management

Extended
95.00
-
-
-

Extended
925.00
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-
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1,020.00

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P.O. Box 128
Sayreville, NJ 08871
(732) 613-1660
Fax (732) 613-1536

Appendix F

TEMPORARY WELL INSTALLATION WORK PLAN

Education

Energy Utility

Healthcare

Public Works

Real Estate

Science & Technology

Temporary Well Installation Summary Report

FORMER BICC CABLES SITE – NYSDEC SITE NUMBER C360051

YONKERS, NEW YORK

JUNE 22, 2021

3 Mountainview Road
PO Box 4039
Warren, NJ 07059

t. 732.560.9700

www.psands.com

Table of Contents

1.0 Introduction 2
2.0 Well Construction 2
3.0 Community Air Monitoring/Health and Safety Plan 3

Attachments

Attachment 1 – PCB Exceedance Summary Chart

Attachment 2 – Groundwater Monitoring Well Location Figure

Attachment 3 – Historical Well Construction Logs

Attachment 4 – Low Flow Logs, August 2020

Attachment 5 – Field Observation Reports

Attachment 6 – June 2021 Well Construction Logs

Attachment 7– June 2021 Community Air Monitoring Records

1.0 Introduction

This temporary well installation work plan (Work Plan) has been developed to provide the specific procedures followed for the installation of temporary groundwater monitoring wells at the BICC Cables Site (Site).

For the past two semi-annual groundwater sampling events (August 2020 and March 2021) concentrations of PCBs have been reported with an increasing concentration trend in monitoring well RMW-3 (see **Attachment 1**). PS&S installed two temporary wells, one downgradient of both monitoring wells RMW-3 and RMW-4 (see **Attachment 2**). PS&S will collect groundwater samples for both filtered (dissolved) and unfiltered (total) analysis of PCBs semi-annually for a period of one year at these temporary wells in accordance with the BICC Site Management Plan (SMP) Groundwater Sampling Plan. The results of the groundwater samples will be used to assess if PCBs are present down-gradient of RMW-3 and RMW-4 and not migrating off Site.

2.0 Well Construction

PS&S's drilling subcontractor installed two temporary wells using a track-mounted Geoprobe and a combination of direct-push methods and hollow stem auger drilling. Initially a probe was performed to confirm stratigraphy and placement of well screen. Soils were logged and screened with a PID and boring logs are provided as **Attachment 5**. The two temporary monitoring wells were constructed as unconsolidated type wells using 2-inch diameter wells materials and pre-pack well screens to depths of 29 feet below ground surface (bgs) (based on current site ground elevations). The well casing of these temporary monitoring wells will need to be extended upwards over time as site grades will increase with construction over the next 2 years.

These temporary monitoring wells were constructed and developed to reduce entrance of fine-grained sediment into the well screen and groundwater samples. As such, pre-pack well screens were used with a 10 slot and appropriate filter pack in stainless steel sleeve mesh surrounding the well screen interval. Well depth was determined by observed stratum during drilling and the well screens were installed above the hard clay layer shown (see **Attachment 6**) in the historical well construction logs (see **Attachment 3**). The pre-pack well screen was installed in a nominal 6-inch diameter borehole (minimum) to allow

for the placement of an outer sand filter pack surrounding and covering the pre-pack well screen, then well seal. After construction, these two wells were developed by overpumping with the development water directly conveyed to drums under the oversight of the Qualified Environmental Professional (QEP). Soil cuttings were drummed for offsite disposal with direct oversight by the QEP. Field procedures proceeded in accordance with the SMP Groundwater Monitoring Work Plan and Excavation Work Plan.

Well screen depths were determined using similar observations to what was seen in the construction log in **Attachment 3** for RMW-3. Please note that the well depth for RMW-3 has increased from 17 feet to 31 feet from the time of the installation due to the import of fill material (see **Attachment 4** for low flow logs). As a result, the two temporary wells were screened between 17-27' below grade (see **Attachment 6**) to the same hydrogeological layer where the PCBs in RMW-3 were observed. The PS&S QEP identified the "black hard clay layer" and set the screen in the grey sandy gravel layer above.

Equipment and tools used to install and/ or develop these temporary wells were decontaminated in accordance with the SMP.

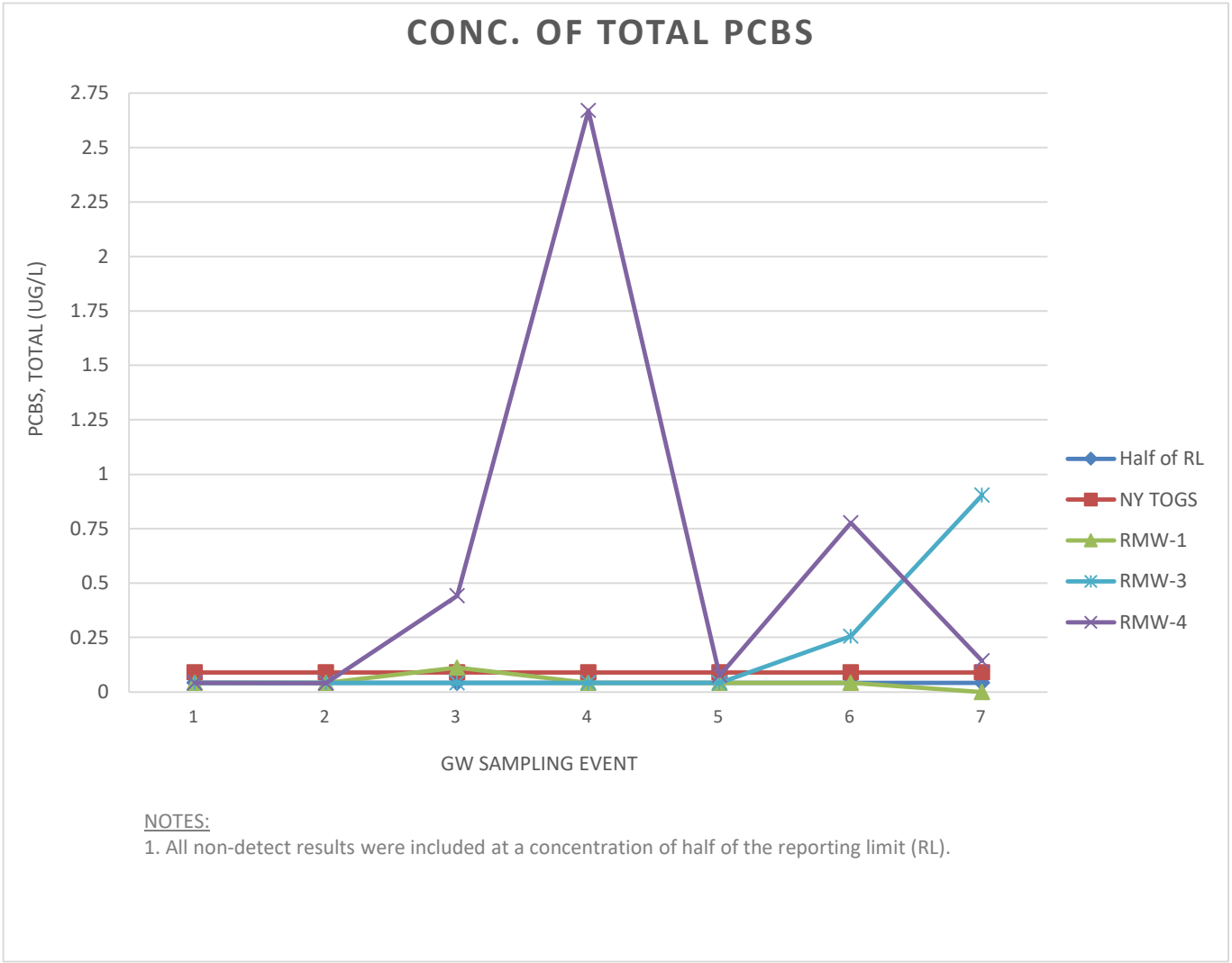
3.0 Community Air Monitoring/Health and Safety Plan

PS&S conducted this work using a downwind community air monitoring station and complied with NYSDEC's community air monitoring alarm limits of 100 ug/m3 and 5 ppmv. PS&S followed the recent Health and Safety Plan issued as part of the June 14th, 2021 Site Management Plan transmittal.

Please see **Attachment 7** for a record of air monitoring readings.

ATTACHMENT 1

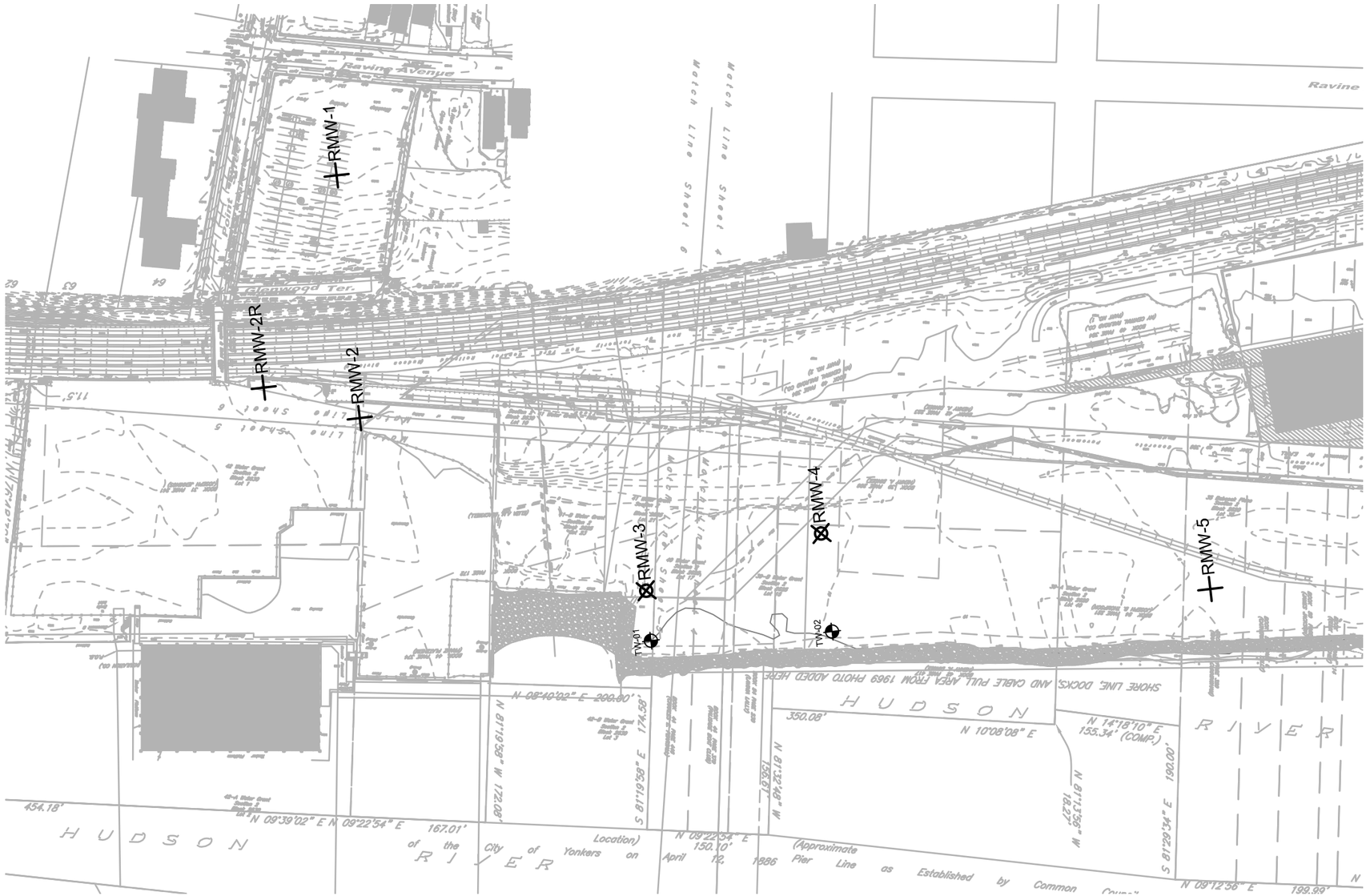
PCB EXCEEDANCE SUMMARY CHART



NOTES:
1. All non-detect results were included at a concentration of half of the reporting limit (RL).

ATTACHMENT 2

GROUNDWATER MONITORING WELL LOCATION FIGURE



LEGEND:

- MONITORING WELL LOCATION
- DECOMMISSIONED MONITORING WELL LOCATION
- TEMPORARY MONITORING WELL LOCATION

GRAPHIC SCALE

150 0 75 150 300 600

(IN FEET)

1 inch = 150

REV. / ISSUE	DATE	DESCRIPTION

PAULUS, SOKOLOWSKI AND SARTOR, LLC.

3 MOUNTAINVIEW ROAD
P.O. BOX 4039
WARREN, NEW JERSEY 07059
PHONE: (732) 560-9700

CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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ALL DIMENSIONS SHALL BE AS NOTED IN WORDS OR NUMBERS ON THE CONTRACT DRAWINGS. DO NOT SCALE THE DRAWINGS TO DETERMINE DIMENSIONS.

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PROJECT

FORMER BICC CABLES CORPORATION SITE
NYSDEC SITE NO. C360051
CITY OF YONKERS, WESTCHESTER COUNTY, NY

SHEET TITLE

MONITORING WELL LOCATIONS

PROJ. NO.:	05697.0006
DATE:	03-19-21
DRAWN BY:	SL
CHECKED BY:	JB
SCALE:	150
SHEET NO.	ATTCH. 2

FILE NAME: P:\05697\0006\DWGs\C-Civil\Plotdwgs\GW Monitoring\dwg\Monitoring-Well-Locations.dwg\11x17 LAST EDIT: 06/11/2021 - 03:16:30 PM LOGIN: slevine@

ATTACHMENT 3

HISTORICAL WELL CONSTRUCTION LOGS

Monitoring Well ID: RMW-1

Client: Black Acre Parnters OPS

Location: Yonkers, NY

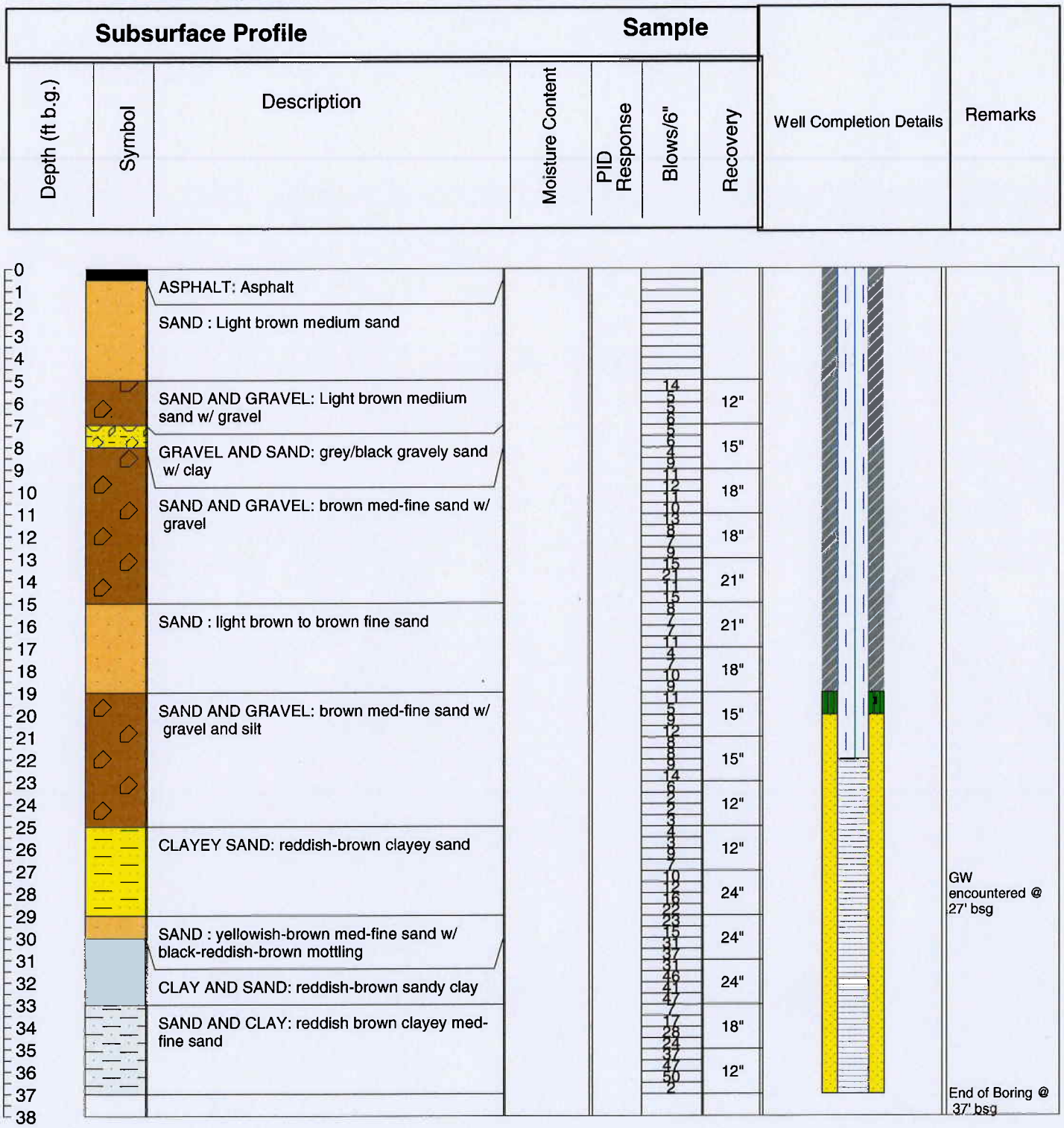
Project: BICC1201

Operational Area: Point Street Parking Lot

Site: 233 Alexander Street

Oversight Personnel: OKM

H2M GROUP
H2M Associates, Inc.
Engineers, Scientists, & Planners
119 Cherry Hill Road, Suite 200
Parsippany, NJ 07054
(862) 207-5900
www.h2m.com



Constructed By: Aquifer Drilling & Testing, Inc.

Casing Diameter: 2

Construction Method: Hollow Stem Auger

Weather:

Construction Date: 11/17/11

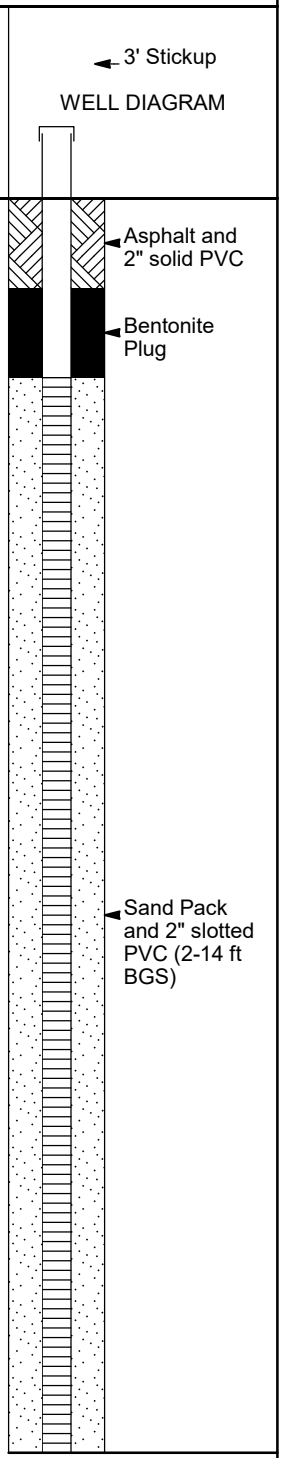
Sheet: 1 of 1

Paulus, Sarkowski and Sartor
1 Larkin Plaza, 2nd Floor
Yonkers, New York 10701

WELL NUMBER RMW-2R

CLIENT Extell
PROJECT NAME BICC
PROJECT NUMBER 056970009
PROJECT LOCATION Yonkers, NY
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
GROUND ELEVATION 8.119 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR ADT
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger 2"
AT TIME OF DRILLING ---
LOGGED BY Scott Caporizzo **CHECKED BY** Eric Stucker
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0			Dry, Dk Brown to Reddish Brown SAND
14.0			Bottom of borehole at 14.0 feet.



GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 3/21/19 15:30 - P:\05697\0006\REPORTS\IN-ENVIR\SMP IMPLEMENTATION\ANNUAL INSPECTION AND PRR\2019\SEMI-ANNUAL GW MONITORING\RMW-2 DECOMMISSIONING AND RMW-2R INSTALL\RNW-2R WEI

Monitoring Well ID: RMW-3

Client: Black Acre Parnters OPS

Location: Yonkers, NY

Project: BICC1201

Operational Area: North Yard Area

Site: 233 Alexander Street

Oversight Personnel: OKM

H2M GROUP

H2M Associates, Inc.

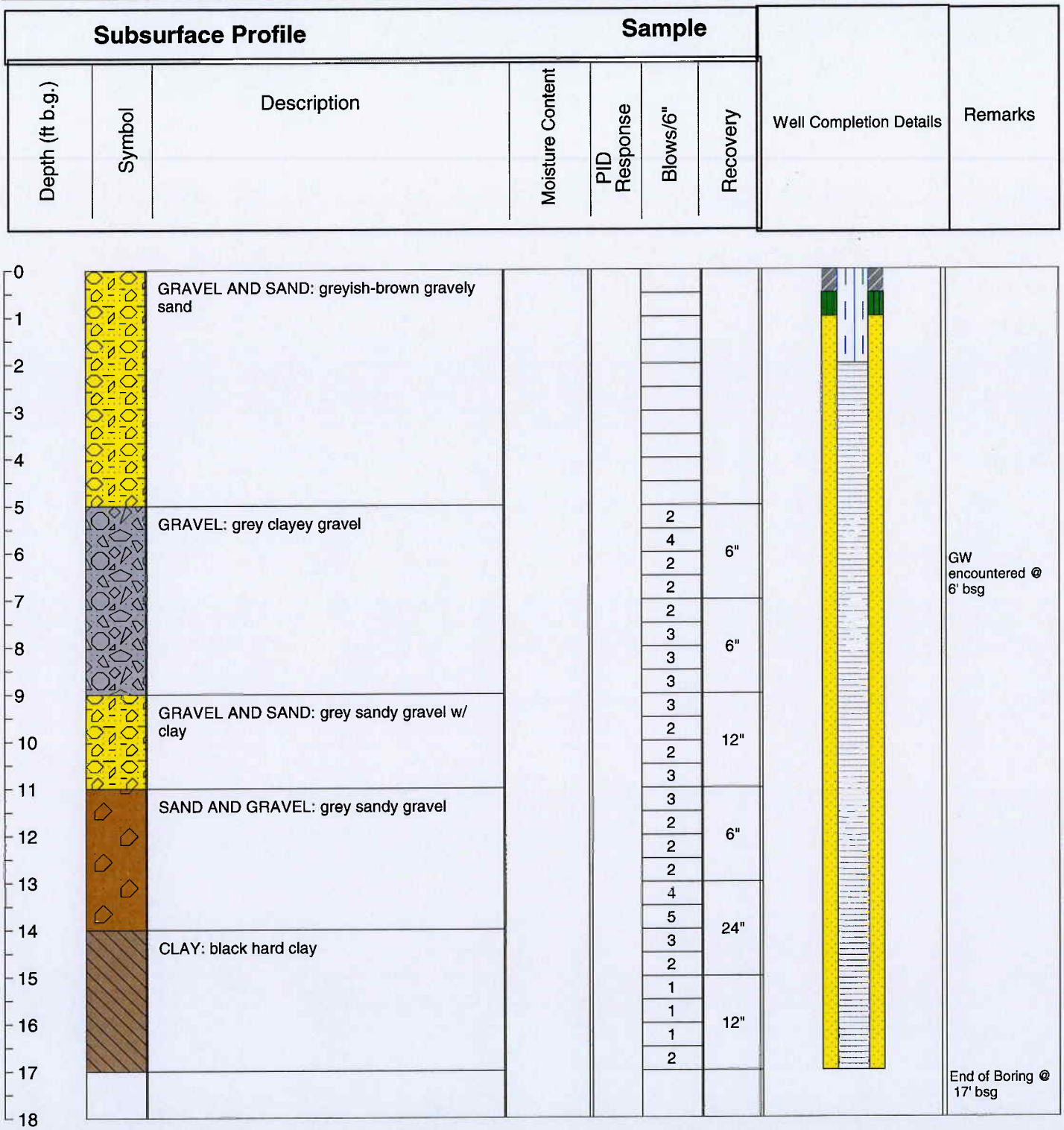
Engineers, Scientists, & Planners

119 Cherry Hill Road, Suite 200

Parsippany, NJ 07054

(862) 207-5900

www.h2m.com



Constructed By: Aquifer Drilling & Testing, Inc.

Casing Diameter: 2

Construction Method: Hollow Stem Auger

Weather:

Construction Date: 11/17/11

Sheet: 1 of 1

7138

Monitoring Well ID: RMW-4

Client: Black Acre Parnters OPS

Location: Yonkers, NY

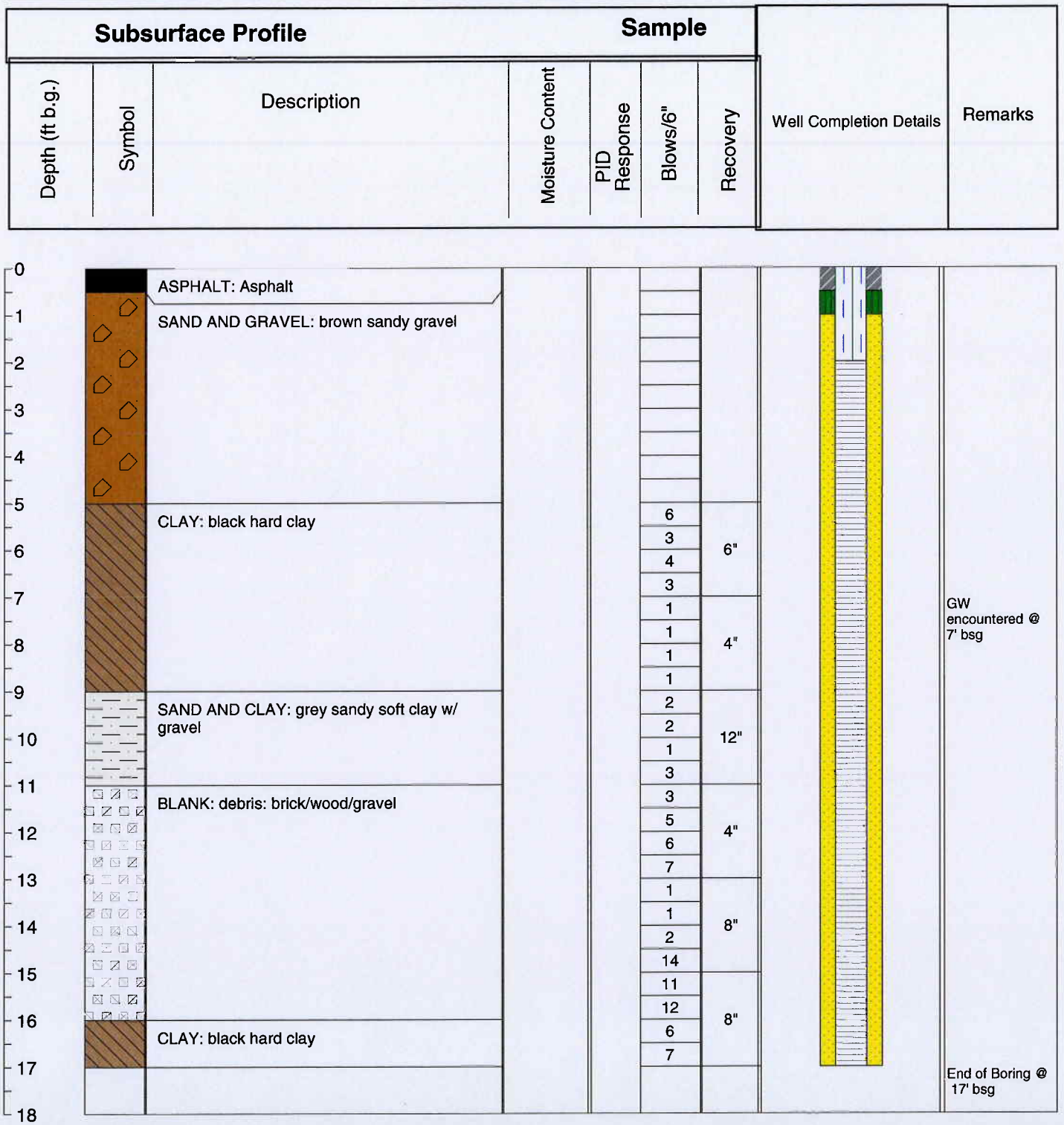
Project: BICC1201

Operational Area: North Yard Area

Site: 233 Alexander Street

Oversight Personnel: OKM

H2M GROUP
H2M Associates, Inc.
Engineers, Scientists, & Planners
119 Cherry Hill Road, Suite 200
Parsippany, NJ 07054
(862) 207-5900
www.h2m.com



Constructed By: Aquifer Drilling & Testing, Inc.

Casing Diameter: 2

Construction Method: Hollow Stem Auger

Weather:

Construction Date: 11/21/11

7139

Sheet: 1 of 1

Monitoring Well ID: RMW-5

Client: Black Acre Parnters OPS

Location: Yonkers, NY

Project: BICC1201

Operational Area: South Yard Area

Site: 233 Alexander Street

Oversight Personnel: OKM

H2M GROUP
H2M Associates, Inc.
Engineers, Scientists, & Planners
119 Cherry Hill Road, Suite 200
Parsippany, NJ 07054
(862) 207-5900
www.h2m.com

Subsurface Profile				Sample					
Depth (ft b.g.)	Symbol	Description	Moisture Content	PID Response	Blows/6"	Recovery	Well Completion Details	Remarks
0		ASPHALT: Asphalt						
1		SAND AND CLAY: brown clayey sand w/ small pieces of brick						
2								
3								GW encountered @ 3' bsg
4								
5		GRAVEL AND SAND: brown med-fine sand w/ gravel			5	18"		
6		BLANK: debris/ fill material: black sand w/ pieces of wood, brick & cinders			2 12 6			
7					4	12"		
8					6 5			
9					7			
10					6 8	12"		
11					10 12			
12					7 2	12"		
13					1 1			End of Boring @ 13' bsg
14								

Constructed By: Aquifer Drilling & Testing, Inc.

Casing Diameter: 2

Construction Method: Hollow Stem Auger

Weather:

Construction Date: 11/17/11

7140

Sheet: 1 of 1

ATTACHMENT 4

LOW FLOW LOGS, AUGUST 2020

"LOW-FLOW" SAMPLING TECHNIQUE
GROUNDWATER QUALITY PARAMETER READINGS

Project Name: BICC
Project Number:
Date: 8/11/2020

Personnel: C. Zuiderma
Weather(AM/PM) Sunny 91°F
Location: Yonkers, NY

WELL INFORMATION

Well Number: RMW-3
Well Diameter: 2"
Well Depth: 31.59

Screened Interval: 16.56 - 31.56
PID (ppm): 0.0
Pump Intake: 24.50

Pump Start Time: 1150
Pump Stop Time: 1302
Sample Time: 1250

Total Volume Purged: 4.25 gal
Purge Method: Monsoon
Initial Depth to Water: 17.18

TIME	TEMPERATURE (°C)	pH (SU)	SPECIFIC CONDUCTIVITY (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	OXYGEN REDUCTN POTENTIAL (mv)	WATER LEVEL (ft.)	FLOW RATE (mL/min.)
1155	24.15	6.95	14.66	1.38	2.8	124	17.12	250
1200	24.25	7.34	14.95	0.58	2.0	214	17.12	250
1205	23.51	7.45	15.12	0.44	4.1	241	17.12	250
1210	23.32	7.49	15.13	0.36	5.6	256.6		
1215	20.25	7.50	15.11	0.32	0.7	266.5	17.15	250
1220	18.03	7.19	15.01	0.26	0.0	273.2		
1225	18.71	7.31	15.04	0.19	0.0	280.2	17.15	250
1230	18.20	7.32	15.00	0.17	0.0	284.8		
1235	18.23	7.68	15.05	0.16	0.0	292	17.85	250
1240	18.19	7.78	15.09	0.14	0.0	294.2		
1245	18.24	7.72	15.12	0.12	0.0	289.3	17.15	250
1250	SAMPLE							
POST SAMPLE	18.32	7.78	15.19	0.10	0.0	278.9		
Criteria	*3%*	*0.1*	*0.030*	*10%*	*10% above 10.0*	*+/- 10mv*	*0.3 ft*	*100 - 500*

Comments:

"LOW-FLOW" SAMPLING TECHNIQUE
GROUNDWATER QUALITY PARAMETER READINGS

Project Name: BCC GW monitoring
Project Number:
Date: 9/11/20

Personnel: Aaron Wang
Weather(AM/PM) partly cloudy
Location: Yonkers

WELL INFORMATION

Well Number: RMW-4
Well Diameter: 2"
Well Depth: 13.96'
Screened Interval: 2-17.0'
PID (ppm): 0.0
Pump Intake: 12.10
Pump Start Time: 10:53
Pump Stop Time: 1330
Sample Time: ~~1325~~ 1325
Total Volume Purged: 21 L
Purge Method: low flow
Initial Depth to Water: 10.04

TIME	TEMPERATURE (°C)	pH (SU)	SPECIFIC CONDUCTIVITY (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTU)	OXYGEN REDUCTN POTENTIAL (mv)	WATER LEVEL (ft.)	FLOW RATE (mL/min.)
1200	25.33	7.60	3.049	7.32	10.5	~~38.8~~ 1152	10.10	300
1205	27.52	7.57	3.048	6.40	36.2	116.3	10.10	"
1210	26.01	7.70	2.893	6.16	17.4	138.4	10.12	"
1215	17.15	7.98	3.034	3.57	1764.4	173.8	10.10	1"
1220	21.16	7.88	3.073	2.14	73.4	179	10.10	"
1225	16.56	7.95	3.135	1.94	134.5	181.4	10.15	
1230	16.90	7.96	3.128	1.87	82.2	178.8	10.15	
1235	21.70	7.90	3.195	1.66	62.5	178.0	10.16	
1240	24.28	7.84	3.194	1.60	65.7	165.4	10.10	
1245	27.69	7.81	3.172	1.44	55.2	164.9	10.10	
1250	19.76	7.93	3.015	0.98	69.3	90.0	10.10	
1255	23.16	7.90	3.104	0.94	70.8	185.1	10.10	
1300	17.46	7.95	1.786	0.48	155.8	186.7	10.10	
1305	20.32	7.95	1.774	0.37	103.5	189.3	10.10	
1310	19.67	7.95	1.658	0.31	366.3	189.6	10.15	
1315	19.39	7.96	1.680	0.29	204.6	190	10.15	
Criteria	*3%*	*0.1*	*0.030*	*10%*	*10% above 10.0*	*+/- 10mv*	*0.3 ft*	*100 - 500*

Comments: Pump experiences some inconsistent flow due to high sediment content. Turbidity never stabilizes despite time duration

ATTACHMENT 5

JUNE 2021 FIELD OBSERVATION REPORTS

3 Mountainview Road
Warren, NJ 07059
732.560.9700

Field Observation Report

Report No. **01**

Project:	Former BICC	Time:	1230
Project No.:	05697-0011	Weather:	82° Sunny, Breeze to north
Date:	06/18/2021	Date @ site:	06/18/2021
By:	Brian D'Agostino		
Participants:	B. D'Agostino, PS&S; Rob Allegrezza + Dennis Malcom; Cascade (Drilling subcontractor)		

Proposed Scope of Work:

Install temporary groundwater monitoring wells downgradient of existing groundwater wells to characterize and delineate select contaminants of concern previously detected in groundwater in excess of NYSDEC Standards.

Observations, Discussions, etc.:

0640 B. DAgostino arrives onsite and met with Site Contact Julio. B DAgostino performs field measurements of proposed well locations while waiting for drilling subcontractor Cascade of New Hyde Park, NY to arrive with drilling equipment. PS&S observed public utility markouts were performed previously.

0815 Rob Allegrezza and Dennis Malcom of Cascade arrive and mobilize a Geoprobe 7800 DT geoprobe rig to install temporary groundwater monitoring wells TW-01 and TW-02 at pre-determined locations.

845 PS&S sets up CAMP with PID and Dust Trak in the downwind location, reviewed HASP, and directs Cascade to begin installing TW-01 at the pre-determined location hydraulically downgradient of RMW-3. Cascade uses the Geoprobe to first install soil boring via continuous sampling using a 5-foot sampler equipped with acetate liners to characterize subsurface soils prior to well installation. Cascade reports drilling equipment refusal at approximately 29 feet below grade surface (bgs) at the TW-01 location. PS&S field screens and texturally classifies soils collected in the acetate liners for visual/olfactory evidence of potential field impacts, and screened the soils with a PID. No field evidence of potential impacts (i.e. no staining, no chemical-based odors, no elevated PID readings) was encountered on the soil cuttings. First groundwater was encountered at approximately 16 feet bgs. Please see attached boring/well construction logs for additional details.

1145 PS&S then directs Cascade to install TW-01 at 29 feet bgs with 15-feet of 2" ID factory pre-pack stainless steel screen from 14-29 feet bgs, flush coupled to a 15 foot section of solid PVC riser to current grade. A #1 sand filter pack was installed from approximately 29 to 12 feet bgs, and the well was sealed with bentonite from grade to approximately 12 feet bgs. The well threads were left exposed at the surface to allow for potential future vertical extensions, and a 5-foot section of 6" ID PVC casing was installed at grade over the well for protection. The soil cuttings were containerized in a 55-gallon DOT drum and placed in designated drum staging area for future off-site disposal.

Field Observation

Report No.

Project:

1215 PS&S then relocates the CAMP monitoring equipment setup, and directs Cascade to begin installing TW-02 at the pre-determined location hydraulically downgradient of RMW-4 as previously described.

1430 Cascade reports drill equipment refusal at approximately 14 feet bgs at the TW-02 location, and relocates drilling equipment approximately 5 feet north to complete the next work day (6/21/21).

1530 All off-site.

3 Mountainview Road
Warren, NJ 07059
732.560.9700

Field Observation Report

Report No. **02**

Project:	Former BICC	Time:	1230
Project No.:	05697-0011	Weather:	86° Sunny, Breeze to north
Date:	06/21/2021	Date @ site:	06/21/2021
By:	Brian D'Agostino		
Participants:	B. D'Agostino, PS&S; Rob Allegrezza + Dennis Malcom; Cascade (Drilling subcontractor)		

Proposed Scope of Work:
Install temporary groundwater monitoring wells downgradient of existing groundwater wells to characterize and delineate select contaminants of concern previously detected in groundwater in excess of NYSDEC Standards.

Observations, Discussions, etc.:

0630 B. DAgostino arrives onsite and met with Extel Site Contact Julio. Drilling subcontractor Cascade of New Hyde Park, NY arrives 0650.

0715 Rob Allegrezza and Dennis Malcom of Cascade re-mobilize a Geoprobe 7800 DT geoprobe rig to complete the install of temporary groundwater monitoring well TW-02 at pre-determined location hydraulically downgradient of RMW-4. Second well location was relocated approximately 5 feet to the north of proposed location due to drilling equipment refusal at 11 feet bgs. PS&S sets up CAMP PID and Dust Trak in downwind location, reviewed HASP, and directs Cascade to complete the install of TW-02. Cascade uses the Geoprobe to first install soil boring via continuous sampling using a 5-foot sampler equipped with acetate liners to characterize subsurface soils prior to well installation.

1200 Cascade reports drilling equipment refusal at approximately 29 feet below grade at TW-02 location. PS&S field screens and texturally classifies soils-see attached boring logs for details. No field evidence of potential impacts (i.e. no staining, no chemical-based odors, no elevated PID readings) was encountered. Frist groundwater was observed at approximately 16 feet bgs-se boring logs for additional details.

1300 PS&S then directs Cascade to install TW-02 at 29 feet bgs. Cascade reports difficult drilling with hollow stem augers with several flights of augers damaged during drilling activities.

1430 Cascade reports that mechanical repairs will be needed on the drill rig due to the difficult field conditions, including rebar and misc. debris that appear to have damaged the drill rig "head", and that Cascade is unable to complete the well that day with that rig inoperable. Cascade informs PS&S that they will mobilize a different drill rig in the morning to complete the well install.

1500 All off-site.

3 Mountainview Road
Warren, NJ 07059
732.560.9700

Field Observation Report

Report No. **03**

Project:	Former BICC	Time:	1230
Project No.:	05697-0011	Weather:	76° Overcast, Breeze to east
Date:	06/22/2021	Date @ site:	06/21/2021
By:	Brian D'Agostino		
Participants:	B. D'Agostino, PS&S; Rob Allegrezza + Dennis Malcom; Cascade (Drilling subcontractor)		

Proposed Scope of Work:

Install temporary groundwater monitoring wells downgradient of existing groundwater wells to characterize and delineate select contaminants of concern previously detected in groundwater in excess of NYSDEC Standards.

Observations, Discussions, etc.:

0630 B. D'Agostino arrives onsite and met with Extel Site Contact Julio. Drilling subcontractor Cascade of New Hyde Park, NY arrives 0645.

0730 Rob Allegrezza and Dennis Malcom of Cascade re-mobilize another Geoprobe 7800 DT geoprobe rig to complete the install of temporary groundwater monitoring well TW-02 at pre-determined location hydraulically downgradient of RMW-4. Final well location was relocated approximately 5 feet to the north of proposed original location due to difficult drilling conditions encountered, including misc. debris and rebar, which damaged the first drill rig. PS&S sets up CAMP PID and Dust Trak in the downwind location, reviewed HASP, and directs Cascade to complete the install of TW-02. Cascade uses the second Geoprobe to first install soil boring via continuous sampling using a 5-foot sampler equipped with acetate liners to characterize subsurface soils prior to well installation.

1000 Cascade reports drilling equipment refusal at approximately 29 feet below grade at TW-02 location. PS&S field screens and texturally classifies the soils collected in the acetate liners for visual/olfactory evidence of potential field impacts, and screened the soils with a PID. No field evidence of potential impacts (i.e. no staining, no chemical-based odors, no elevated PID readings) was encountered on the soil cuttings-see attached boring logs for details. First groundwater was encountered at approximately 16 feet bgs.

1200 PS&S then directs Cascade to install TW-02 at 29 feet bgs with 15 feet 2" ID factory pre-pack stainless steel screen from 14-29 feet bgs, flush coupled to a section of solid PVC riser to current grade. A #1 sand filter pack was installed from approximately 29 to 12 feet bgs, and the well was sealed with bentonite from grade to approximately 12 feet bgs. The well threads were left exposed at the surface to

Field Observation

Report No.

Project:

allow for potential future extensions, and a 5-foot section of 6” ID PVC casing was placed over the well at grade for protection.

Cascade then developed both wells with a submersible pump until the development water was nearly free of visible turbidity. Soil cuttings and well development water were containerized in 55-gallon DOT rums and placed in designated drum staging area for future off-site disposal. One drum soil cuttings and one drum well development water were left onsite and labeled with a non-hazardous designation.

1515 PS&S removes CAMP equipment for data downloading and all off-Site.

ATTACHMENT 6

JUNE 2021 WELL CONSTRUCTION LOGS

WELL NUMBER TW-01

CLIENT Extel Development
PROJECT NAME Former BICC
PROJECT NUMBER 05697.0011
PROJECT LOCATION Yonkers, New York
DATE STARTED 6/18/21 **COMPLETED** 6/18/21
GROUND ELEVATION _____ **HOLE SIZE** 6 inches
DRILLING CONTRACTOR Cascade
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger 2"
▽ **AT TIME OF DRILLING** 16.00 ft
LOGGED BY Brian D'Agostino **CHECKED BY** James Boyer
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0			FILL: Red-brown fine to coarse sand and gravel, little concrete and red brick, trace misc. debris	PID = 0	
				PID = 0	
				PID = 0	
				PID = 0	
5				PID = 0	
				PID = 0	Bentonite Seal
				PID = 0	2" PVC Riser
				PID = 0	
				PID = 0	
10				PID = 0	
				PID = 0	
				PID = 0	
			14.0	PID = 0	
			FILL: Grey-brown fine to coarse sand and gravel, come concrete, wood and red brick, misc. debris	PID = 0	
15			▽	PID = 0	
				PID = 0	
				PID = 0	
				PID = 0	
				PID = 0	
20				PID = 0	#1 Sand
				PID = 0	0.10 Slot PVC Screen with Stainless Steel Factory Pre-Pack
				PID = 0	
			23.0	PID = 0	
			POORLY GRADED SAND WITH SILT AND GRAVEL, blackish brown, fine to coarse grained	PID = 0	
25				PID = 0	
				PID = 0	
			27.0	PID = 0	
			LEAN CLAY WITH SAND, black, firm, with silt	PID = 0	
			29.0	PID = 0	

Refusal at 29.0 feet.
Bottom of borehole at 29.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 6/22/21 10:10 - C:\USERS\BDAGOSTINO\DESKTOP\BICC\CATHEDRALHOUSER\BORINGLOGS.GPJ

WELL NUMBER TW-02

CLIENT Extel Development
PROJECT NAME Former BICC
PROJECT NUMBER 05697.0011
PROJECT LOCATION Yonkers, New York
DATE STARTED 6/21/21 **COMPLETED** 6/21/21
GROUND ELEVATION _____ **HOLE SIZE** 6 inches
DRILLING CONTRACTOR Cascade
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger 2"
▽ **AT TIME OF DRILLING** 15.50 ft
LOGGED BY Brian D'Agostino **CHECKED BY** James Boyer
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA	WELL DIAGRAM
0			FILL: Red-brown fine to coarse sand and gravel, little concrete and red brick, trace misc. debris	PID = 0	
				PID = 0	
				PID = 0	
				PID = 0	
5				PID = 0	
				PID = 0	Bentonite Seal
				PID = 0	2" PVC Riser
				PID = 0	
				PID = 0	
10				PID = 0	
				PID = 0	
			12.0	PID = 0	
			FILL: Grey-brown fine to coarse sand and gravel, come concrete, wood and red brick, misc. debris	PID = 0	
			▽	PID = 0	
15				PID = 0	
				PID = 0	
				PID = 0	
				PID = 0	
				PID = 0	
20				PID = 0	#1 Sand
				PID = 0	0.10 Slot PVC Screen with Stainless Steel Factory Pre-Pack
				PID = 0	
				PID = 0	
25			24.0		
			POORLY GRADED SAND WITH SILT AND GRAVEL, blackish brown, fine to coarse grained		
			28.0		
			LEAN CLAY WITH SAND, black, firm, with silt		
			29.0		

Refusal at 29.0 feet.
Bottom of borehole at 29.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 6/22/21 10:10 - C:\USERS\BDAGOSTINO\DESKTOP\BICC\CATHEDRALHOUSER\BORINGLOGS.GPJ

ATTACHMENT 7

JUNE 2021 COMMUNITY AIR MONITORING RECORDS

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161812
Firmware Version	3.9
Calibration Date	7/31/2019
Test Name	MANUAL_001
Test Start Time	6:55:25 AM
Test Start Date	6/18/2021
Test Length [D:H:M]	0:04:55
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.019
Mass Minimum [mg/m3]	0.008
Mass Maximum [mg/m3]	0.258
Mass TWA [mg/m3]	0.012
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	295

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.032		
120	0.027		
180	0.023		
240	0.019		
300	0.018		
360	0.016		
420	0.015		
480	0.017		
540	0.015		
600	0.015		
660	0.017		
720	0.016		
780	0.017		
840	0.019		
900	0.019		
960	0.017		
1020	0.017		
1080	0.017		
1140	0.016		
1200	0.016		
1260	0.016		
1320	0.017		
1380	0.016		
1440	0.016		
1500	0.017		
1560	0.015		
1620	0.016		

1680	0.016
1740	0.015
1800	0.016
1860	0.016
1920	0.016
1980	0.017
2040	0.015
2100	0.015
2160	0.017
2220	0.022
2280	0.027
2340	0.018
2400	0.017
2460	0.018
2520	0.018
2580	0.018
2640	0.019
2700	0.019
2760	0.017
2820	0.018
2880	0.018
2940	0.017
3000	0.017
3060	0.018
3120	0.023
3180	0.086
3240	0.018
3300	0.02
3360	0.017
3420	0.017
3480	0.017
3540	0.017
3600	0.025
3660	0.022
3720	0.025
3780	0.02
3840	0.018
3900	0.172
3960	0.064
4020	0.029
4080	0.085
4140	0.046
4200	0.031
4260	0.033
4320	0.026
4380	0.018
4440	0.025

4500	0.039
4560	0.039
4620	0.022
4680	0.018
4740	0.015
4800	0.017
4860	0.015
4920	0.016
4980	0.015
5040	0.017
5100	0.016
5160	0.016
5220	0.016
5280	0.016
5340	0.02
5400	0.018
5460	0.068
5520	0.022
5580	0.032
5640	0.034
5700	0.039
5760	0.258
5820	0.018
5880	0.023
5940	0.018
6000	0.016
6060	0.015
6120	0.017
6180	0.015
6240	0.037
6300	0.017
6360	0.081
6420	0.033
6480	0.021
6540	0.029
6600	0.021
6660	0.017
6720	0.013
6780	0.015
6840	0.02
6900	0.079
6960	0.032
7020	0.051
7080	0.029
7140	0.017
7200	0.017
7260	0.02

7320	0.019
7380	0.016
7440	0.016
7500	0.016
7560	0.015
7620	0.015
7680	0.016
7740	0.014
7800	0.017
7860	0.015
7920	0.015
7980	0.015
8040	0.014
8100	0.015
8160	0.014
8220	0.014
8280	0.015
8340	0.015
8400	0.013
8460	0.014
8520	0.014
8580	0.015
8640	0.015
8700	0.013
8760	0.014
8820	0.014
8880	0.013
8940	0.013
9000	0.013
9060	0.013
9120	0.024
9180	0.013
9240	0.012
9300	0.012
9360	0.011
9420	0.011
9480	0.022
9540	0.01
9600	0.01
9660	0.011
9720	0.011
9780	0.01
9840	0.011
9900	0.011
9960	0.011
10020	0.011
10080	0.011

10140	0.012
10200	0.018
10260	0.023
10320	0.014
10380	0.015
10440	0.017
10500	0.023
10560	0.021
10620	0.017
10680	0.02
10740	0.013
10800	0.012
10860	0.012
10920	0.012
10980	0.012
11040	0.012
11100	0.013
11160	0.011
11220	0.01
11280	0.012
11340	0.011
11400	0.011
11460	0.013
11520	0.013
11580	0.011
11640	0.011
11700	0.011
11760	0.011
11820	0.011
11880	0.015
11940	0.011
12000	0.012
12060	0.014
12120	0.019
12180	0.013
12240	0.01
12300	0.017
12360	0.013
12420	0.015
12480	0.014
12540	0.016
12600	0.014
12660	0.037
12720	0.072
12780	0.014
12840	0.011
12900	0.012

12960	0.011
13020	0.034
13080	0.012
13140	0.013
13200	0.011
13260	0.019
13320	0.013
13380	0.011
13440	0.011
13500	0.011
13560	0.01
13620	0.01
13680	0.01
13740	0.01
13800	0.011
13860	0.01
13920	0.011
13980	0.01
14040	0.01
14100	0.013
14160	0.012
14220	0.012
14280	0.011
14340	0.012
14400	0.01
14460	0.011
14520	0.016
14580	0.012
14640	0.033
14700	0.037
14760	0.066
14820	0.04
14880	0.05
14940	0.014
15000	0.011
15060	0.01
15120	0.011
15180	0.011
15240	0.011
15300	0.009
15360	0.009
15420	0.01
15480	0.011
15540	0.01
15600	0.009
15660	0.009
15720	0.01

15780	0.013
15840	0.011
15900	0.011
15960	0.01
16020	0.011
16080	0.01
16140	0.014
16200	0.012
16260	0.011
16320	0.012
16380	0.012
16440	0.012
16500	0.012
16560	0.012
16620	0.012
16680	0.012
16740	0.013
16800	0.012
16860	0.014
16920	0.012
16980	0.012
17040	0.012
17100	0.011
17160	0.011
17220	0.012
17280	0.012
17340	0.012
17400	0.011
17460	0.008
17520	0.009
17580	0.013
17640	0.012
17700	0.011

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161812
Firmware Version	3.9
Calibration Date	7/31/2019
Test Name	MANUAL_002
Test Start Time	6:28:19 AM
Test Start Date	6/21/2021
Test Length [D:H:M]	0:09:57
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.04
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.061
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	349

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.042		
120	0.04		
180	0.039		
240	0.04		
300	0.04		
360	0.041		
420	0.04		
480	0.041		
540	0.041		
600	0.042		
660	0.041		
720	0.04		
780	0.039		
840	0.041		
900	0.039		
960	0.039		
1020	0.045		
1080	0.04		
1140	0.045		
1200	0.048		
1260	0.045		
1320	0.053		
1380	0.05		
1440	0.045		
1500	0.042		
1560	0.038		
1620	0.038		

1680	0.04
1740	0.039
1800	0.039
1860	0.038
1920	0.039
1980	0.045
2040	0.041
2100	0.045
2160	0.044
2220	0.038
2280	0.039
2340	0.041
2400	0.04
2460	0.04
2520	0.041
2580	0.041
2640	0.042
2700	0.042
2760	0.045
2820	0.044
2880	0.043
2940	0.043
3000	0.042
3060	0.044
3120	0.044
3180	0.044
3240	0.044
3300	0.045
3360	0.044
3420	0.044
3480	0.045
3540	0.045
3600	0.046
3660	0.045
3720	0.042
3780	0.044
3840	0.047
3900	0.043
3960	0.061
4020	0.056
4080	0.047
4140	0.049
4200	0.047
4260	0.044
4320	0.044
4380	0.044
4440	0.046

4500	0.044
4560	0.044
4620	0.046
4680	0.046
4740	0.046
4800	0.047
4860	0.047
4920	0.048
4980	0.049
5040	0.048
5100	0.05
5160	0.053
5220	0.054
5280	0.057
5340	0.056
5400	0.053
5460	0.051
5520	0.051
5580	0.05
5640	0.051
5700	0.053
5760	0.053
5820	0.052
5880	0.053
5940	0.054
6000	0.054
6060	0.053
6120	0.054
6180	0.055
6240	0.054
6300	0.057
6360	0.057
6420	0.055
6480	0.055
6540	0.055
6600	0.055
6660	0.055
6720	0.055
6780	0.055
6840	0.055
6900	0.056
6960	0.056
7020	0.054
7080	0.053
7140	0.054
7200	0.054
7260	0.054

7320	0.054
7380	0.055
7440	0.056
7500	0.057
7560	0.056
7620	0.057
7680	0.055
7740	0.055
7800	0.056
7860	0.055
7920	0.053
7980	0.052
8040	0.052
8100	0.051
8160	0.051
8220	0.052
8280	0.054
8340	0.052
8400	0.052
8460	0.05
8520	0.051
8580	0.05
8640	0.048
8700	0.049
8760	0.051
8820	0.051
8880	0.052
8940	0.055
9000	0.054
9060	0.052
9120	0.053
9180	0.052
9240	0.051
9300	0.05
9360	0.048
9420	0.049
9480	0.048
9540	0.048
9600	0.047
9660	0.048
9720	0.052
9780	0.051
9840	0.048
9900	0.05
9960	0.05
10020	0.048
10080	0.047

10140	0.05
10200	0.049
10260	0.049
10320	0.047
10380	0.048
10440	0.045
10500	0.043
10560	0.044
10620	0.043
10680	0.043
10740	0.043
10800	0.045
10860	0.043
10920	0.045
10980	0.043
11040	0.043
11100	0.043
11160	0.041
11220	0.04
11280	0.04
11340	0.038
11400	0.038
11460	0.039
11520	0.038
11580	0.039
11640	0.038
11700	0.037
11760	0.04
11820	0.038
11880	0.038
11940	0.04
12000	0.039
12060	0.04
12120	0.037
12180	0.038
12240	0.038
12300	0.037
12360	0.037
12420	0.039
12480	0.039
12540	0.039
12600	0.037
12660	0.038
12720	0.038
12780	0.038
12840	0.038
12900	0.036

12960	0.036
13020	0.035
13080	0.035
13140	0.036
13200	0.038
13260	0.036
13320	0.036
13380	0.036
13440	0.036
13500	0.035
13560	0.034
13620	0.034
13680	0.034
13740	0.035
13800	0.036
13860	0.035
13920	0.034
13980	0.032
14040	0.034
14100	0.034
14160	0.034
14220	0.032
14280	0.031
14340	0.031
14400	0.031
14460	0.032
14520	0.032
14580	0.032
14640	0.032
14700	0.031
14760	0.032
14820	0.033
14880	0.034
14940	0.034
15000	0.035
15060	0.035
15120	0.035
15180	0.034
15240	0.033
15300	0.034
15360	0.035
15420	0.035
15480	0.036
15540	0.036
15600	0.036
15660	0.035
15720	0.034

15780	0.034
15840	0.035
15900	0.034
15960	0.035
16020	0.034
16080	0.034
16140	0.034
16200	0.033
16260	0.031
16320	0.031
16380	0.032
16440	0.035
16500	0.035
16560	0.035
16620	0.032
16680	0.029
16740	0.028
16800	0.032
16860	0.028
16920	0.028
16980	0.027
17040	0.028
17100	0.027
17160	0.027
17220	0.026
17280	0.025
17340	0.026
17400	0.025
17460	0.026
17520	0.025
17580	0.024
17640	0.026
17700	0.024
17760	0.024
17820	0.024
17880	0.023
17940	0.024
18000	0.027
18060	0.023
18120	0.023
18180	0.023
18240	0.024
18300	0.023
18360	0.024
18420	0.023
18480	0.023
18540	0.024

18600	0.024
18660	0.024
18720	0.025
18780	0.024
18840	0.023
18900	0.025
18960	0.025
19020	0.024
19080	0.025
19140	0.026
19200	0.024
19260	0.024
19320	0.024
19380	0.023
19440	0.023
19500	0.024
19560	0.023
19620	0.024
19680	0.024
19740	0.024
19800	0.025
19860	0.026
19920	0.025
19980	0.024
20040	0.025
20100	0.026
20160	0.026
20220	0.026
20280	0.026
20340	0.026
20400	0.028
20460	0.026
20520	0.025
20580	0.025
20640	0.025
20700	0.027
20760	0.026
20820	0.028
35812	0
35820	0.054

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530161812
Firmware Version	3.9
Calibration Date	7/31/2019
Test Name	MANUAL_003
Test Start Time	6:47:25 AM
Test Start Date	6/22/2021
Test Length [D:H:M]	0:03:31
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.018
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.063
Mass TWA [mg/m3]	0.008
Photometric User Cal	1
Flow User Cal	0
Errors	Max Concentration
Number of Samples	211

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.044		Max Concentration
120	0.031		Max Concentration
180	0.032		Max Concentration
240	0.039		Max Concentration
300	0.063		Max Concentration
360	0.048		Max Concentration
420	0.035		Max Concentration
480	0.035		Max Concentration
540	0.034		Max Concentration
600	0.032		Max Concentration
660	0.028		Max Concentration
720	0.028		Max Concentration
780	0.026		Max Concentration
840	0.026		Max Concentration
900	0.025		Max Concentration
960	0.024		Max Concentration
1020	0.023		Max Concentration
1080	0.022		Max Concentration
1140	0.021		Max Concentration
1200	0.02		Max Concentration
1260	0.02		Max Concentration
1320	0.02		Max Concentration
1380	0.02		Max Concentration
1440	0.019		Max Concentration
1500	0.019		Max Concentration
1560	0.019		Max Concentration
1620	0.024		Max Concentration

1680	0.027	Max Concentration
1740	0.028	Max Concentration
1800	0.042	Max Concentration
1860	0.035	Max Concentration
1920	0.027	Max Concentration
1980	0.026	Max Concentration
2040	0.025	Max Concentration
2100	0.025	Max Concentration
2160	0.025	Max Concentration
2220	0.023	Max Concentration
2280	0.023	Max Concentration
2340	0.024	Max Concentration
2400	0.024	Max Concentration
2460	0.024	Max Concentration
2520	0.024	Max Concentration
2580	0.022	Max Concentration
2640	0.024	Max Concentration
2700	0.025	Max Concentration
2760	0.023	Max Concentration
2820	0.023	Max Concentration
2880	0.023	Max Concentration
2940	0.024	Max Concentration
3000	0.024	Max Concentration
3060	0.025	Max Concentration
3120	0.025	Max Concentration
3180	0.026	Max Concentration
3240	0.029	Max Concentration
3300	0.025	Max Concentration
3360	0.025	Max Concentration
3420	0.024	Max Concentration
3480	0.025	Max Concentration
3540	0.024	Max Concentration
3600	0.024	Max Concentration
3660	0.025	Max Concentration
3720	0.024	Max Concentration
3780	0.024	Max Concentration
3840	0.027	Max Concentration
3900	0.026	Max Concentration
3960	0.024	Max Concentration
4020	0.025	Max Concentration
4080	0.024	Max Concentration
4140	0.024	Max Concentration
4200	0.024	Max Concentration
4260	0.024	Max Concentration
4320	0.024	Max Concentration
4380	0.025	Max Concentration
4440	0.025	Max Concentration

4500	0.024	Max Concentration
4560	0.024	Max Concentration
4620	0.024	Max Concentration
4680	0.025	Max Concentration
4740	0.025	Max Concentration
4800	0.024	Max Concentration
4860	0.024	Max Concentration
4920	0.024	Max Concentration
4980	0.024	Max Concentration
5040	0.024	Max Concentration
5100	0.024	Max Concentration
5160	0.026	Max Concentration
5220	0.025	Max Concentration
5280	0.025	Max Concentration
5340	0.024	Max Concentration
5400	0.024	Max Concentration
5460	0.024	Max Concentration
5520	0.023	Max Concentration
5580	0.023	Max Concentration
5640	0.023	Max Concentration
5700	0.025	Max Concentration
5760	0.022	Max Concentration
5820	0.021	Max Concentration
5880	0.02	Max Concentration
5940	0.019	Max Concentration
6000	0.018	Max Concentration
6060	0.018	Max Concentration
6120	0.017	Max Concentration
6180	0.017	Max Concentration
6240	0.017	Max Concentration
6300	0.017	Max Concentration
6360	0.016	Max Concentration
6420	0.017	Max Concentration
6480	0.017	Max Concentration
6540	0.016	Max Concentration
6600	0.016	Max Concentration
6660	0.015	Max Concentration
6720	0.015	Max Concentration
6780	0.014	Max Concentration
6840	0.014	Max Concentration
6900	0.016	Max Concentration
6960	0.013	Max Concentration
7020	0.013	Max Concentration
7080	0.012	Max Concentration
7140	0.013	Max Concentration
7200	0.013	Max Concentration
7260	0.013	Max Concentration

7320	0.012	Max Concentration
7380	0.012	Max Concentration
7440	0.011	Max Concentration
7500	0.011	Max Concentration
7560	0.011	Max Concentration
7620	0.011	Max Concentration
7680	0.011	Max Concentration
7740	0.011	Max Concentration
7800	0.01	Max Concentration
7860	0.01	Max Concentration
7920	0.011	Max Concentration
7980	0.01	Max Concentration
8040	0.01	Max Concentration
8100	0.01	Max Concentration
8160	0.01	Max Concentration
8220	0.01	Max Concentration
8280	0.011	Max Concentration
8340	0.01	Max Concentration
8400	0.01	Max Concentration
8460	0.01	Max Concentration
8520	0.01	Max Concentration
8580	0.01	Max Concentration
8640	0.01	Max Concentration
8700	0.009	Max Concentration
8760	0.01	Max Concentration
8820	0.01	Max Concentration
8880	0.011	Max Concentration
8940	0.009	Max Concentration
9000	0.01	Max Concentration
9060	0.01	Max Concentration
9120	0.011	Max Concentration
9180	0.01	Max Concentration
9240	0.011	Max Concentration
9300	0.011	Max Concentration
9360	0.011	Max Concentration
9420	0.011	Max Concentration
9480	0.011	Max Concentration
9540	0.01	Max Concentration
9600	0.01	Max Concentration
9660	0.011	Max Concentration
9720	0.011	Max Concentration
9780	0.011	Max Concentration
9840	0.011	Max Concentration
9900	0.011	Max Concentration
9960	0.011	Max Concentration
10020	0.011	Max Concentration
10080	0.01	Max Concentration

10140	0.015	Max Concentration
10200	0.01	Max Concentration
10260	0.01	Max Concentration
10320	0.01	Max Concentration
10380	0.01	Max Concentration
10440	0.01	Max Concentration
10500	0.011	Max Concentration
10560	0.01	Max Concentration
10620	0.011	Max Concentration
10680	0.009	Max Concentration
10740	0.01	Max Concentration
10800	0.01	Max Concentration
10860	0.01	Max Concentration
10920	0.015	Max Concentration
10980	0.01	Max Concentration
11040	0.01	Max Concentration
11100	0.01	Max Concentration
11160	0.01	Max Concentration
11220	0.011	Max Concentration
11280	0.01	Max Concentration
11340	0.01	Max Concentration
11400	0.01	Max Concentration
11460	0.011	Max Concentration
11520	0.01	Max Concentration
11580	0.01	Max Concentration
11640	0.009	Max Concentration
11700	0.01	Max Concentration
11760	0.01	Max Concentration
11820	0.01	Max Concentration
11880	0.01	Max Concentration
11940	0.009	Max Concentration
12000	0.009	Max Concentration
12060	0.009	Max Concentration
12120	0.008	Max Concentration
12180	0.008	Max Concentration
12240	0.008	Max Concentration
12300	0.008	Max Concentration
12360	0.008	Max Concentration
12420	0.008	Max Concentration
12480	0.007	Max Concentration
12540	0.008	Max Concentration
12600	0.008	Max Concentration
12660	0.007	Max Concentration

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21/06/17 16:07
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-915065
Unit Firmware Ver	V2.16
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00000
User ID	1
Begin	6/17/2021 16:07
End	6/17/2021 17:41
Sample Period(s)	60
Number of Records	94
Sensor	PID(ppb)
Sensor SN	S023030170S7
Measure Type	Avg
Span	100000
Span 2	1000000
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutylene
Calibration Time	3/30/2020 14:14
Peak	N/A
Min	N/A
Average	N/A

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Datalog

Index	Date/Time	PID(ppb) (Avg)
1	6/17/2021 16:08	0
2	6/17/2021 16:09	0
3	6/17/2021 16:10	0
4	6/17/2021 16:11	0
5	6/17/2021 16:12	0

6	6/17/2021 16:13	0
7	6/17/2021 16:14	0
8	6/17/2021 16:15	0
9	6/17/2021 16:16	0
10	6/17/2021 16:17	0
11	6/17/2021 16:18	0
12	6/17/2021 16:19	0
13	6/17/2021 16:20	0
14	6/17/2021 16:21	0
15	6/17/2021 16:22	0
16	6/17/2021 16:23	0
17	6/17/2021 16:24	0
18	6/17/2021 16:25	0
19	6/17/2021 16:26	0
20	6/17/2021 16:27	0
21	6/17/2021 16:28	0
22	6/17/2021 16:29	0
23	6/17/2021 16:30	0
24	6/17/2021 16:31	0
25	6/17/2021 16:32	0
26	6/17/2021 16:33	0
27	6/17/2021 16:34	0
28	6/17/2021 16:35	0
29	6/17/2021 16:36	0
30	6/17/2021 16:37	0
31	6/17/2021 16:38	0
32	6/17/2021 16:39	0
33	6/17/2021 16:40	0
34	6/17/2021 16:41	0
35	6/17/2021 16:42	0
36	6/17/2021 16:43	0
37	6/17/2021 16:44	0
38	6/17/2021 16:45	0
39	6/17/2021 16:46	0
40	6/17/2021 16:47	0
41	6/17/2021 16:48	0
42	6/17/2021 16:49	0
43	6/17/2021 16:50	0
44	6/17/2021 16:51	0
45	6/17/2021 16:52	0
46	6/17/2021 16:53	0
47	6/17/2021 16:54	0
48	6/17/2021 16:55	0
49	6/17/2021 16:56	0
50	6/17/2021 16:57	0
51	6/17/2021 16:58	0
52	6/17/2021 16:59	0

53	6/17/2021 17:00	0
54	6/17/2021 17:01	0
55	6/17/2021 17:02	0
56	6/17/2021 17:03	0
57	6/17/2021 17:04	0
58	6/17/2021 17:05	0
59	6/17/2021 17:06	0
60	6/17/2021 17:07	0
61	6/17/2021 17:08	0
62	6/17/2021 17:09	0
63	6/17/2021 17:10	0
64	6/17/2021 17:11	0
65	6/17/2021 17:12	0
66	6/17/2021 17:13	0
67	6/17/2021 17:14	0
68	6/17/2021 17:15	0
69	6/17/2021 17:16	0
70	6/17/2021 17:17	0
71	6/17/2021 17:18	0
72	6/17/2021 17:19	0
73	6/17/2021 17:20	0
74	6/17/2021 17:21	0
75	6/17/2021 17:22	0
76	6/17/2021 17:23	0
77	6/17/2021 17:24	0
78	6/17/2021 17:25	0
79	6/17/2021 17:26	0
80	6/17/2021 17:27	0
81	6/17/2021 17:28	0
82	6/17/2021 17:29	0
83	6/17/2021 17:30	0
84	6/17/2021 17:31	0
85	6/17/2021 17:32	0
86	6/17/2021 17:33	0
87	6/17/2021 17:34	0
88	6/17/2021 17:35	0
89	6/17/2021 17:36	0
90	6/17/2021 17:37	0
91	6/17/2021 17:38	0
92	6/17/2021 17:39	0
93	6/17/2021 17:40	0
94	6/17/2021 17:41	0
Peak		0
Min		0
Average		0

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21/06/18 11:40

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-915065
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	1

Begin	6/18/2021 11:40
End	6/18/2021 16:37
Sample Period(s)	60
Number of Records	296

Sensor	PID(ppb)
Sensor SN	S023030170S7
Measure Type	Avg
Span	100000
Span 2	1000000
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutylene
Calibration Time	3/30/2020 14:14
Peak	N/A
Min	N/A
Average	N/A

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Datalog

Index	Date/Time	PID(ppb) (Avg)
1	6/18/2021 11:41	0
2	6/18/2021 11:42	0
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	296	6/18/2021 16:36	0
Peak			0
Min			0
Average			0

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21/06/21 11:06

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-915065
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	1

Begin	6/21/2021 11:06
End	6/21/2021 17:02
Sample Period(s)	60
Number of Records	356

Sensor	PID(ppb)
Sensor SN	S023030170S7
Measure Type	Avg
Span	100000
Span 2	1000000
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutylene
Calibration Time	3/30/2020 14:14
Peak	N/A

Min	N/A
Average	N/A

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Datalog

Index	Date/Time	PID(ppb) (Avg)
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229	6/21/2021 14:55	0
230	6/21/2021 14:56	0
231	6/21/2021 14:57	0
232	6/21/2021 14:58	0
233	6/21/2021 14:59	0
234	6/21/2021 15:00	0
235	6/21/2021 15:01	0
236	6/21/2021 15:02	0
237	6/21/2021 15:03	0
238	6/21/2021 15:04	0
239	6/21/2021 15:05	0
240	6/21/2021 15:06	0
241	6/21/2021 15:07	0
242	6/21/2021 15:08	0
243	6/21/2021 15:09	0
244	6/21/2021 15:10	0
245	6/21/2021 15:11	0
246	6/21/2021 15:12	0
247	6/21/2021 15:13	0
248	6/21/2021 15:14	0
249	6/21/2021 15:15	0
250	6/21/2021 15:16	0
251	6/21/2021 15:17	0
252	6/21/2021 15:18	0
253	6/21/2021 15:19	0
254	6/21/2021 15:20	0
255	6/21/2021 15:21	0
256	6/21/2021 15:22	0
257	6/21/2021 15:23	0
258	6/21/2021 15:24	0
259	6/21/2021 15:25	0
260	6/21/2021 15:26	0
261	6/21/2021 15:27	0
262	6/21/2021 15:28	0
263	6/21/2021 15:29	0
264	6/21/2021 15:30	0
265	6/21/2021 15:31	0
266	6/21/2021 15:32	0
267	6/21/2021 15:33	0
268	6/21/2021 15:34	0
269	6/21/2021 15:35	0
270	6/21/2021 15:36	0
271	6/21/2021 15:37	0
272	6/21/2021 15:38	0
273	6/21/2021 15:39	0
274	6/21/2021 15:40	0
275	6/21/2021 15:41	0

276	6/21/2021 15:42	0
277	6/21/2021 15:43	0
278	6/21/2021 15:44	0
279	6/21/2021 15:45	0
280	6/21/2021 15:46	0
281	6/21/2021 15:47	0
282	6/21/2021 15:48	0
283	6/21/2021 15:49	0
284	6/21/2021 15:50	0
285	6/21/2021 15:51	0
286	6/21/2021 15:52	0
287	6/21/2021 15:53	0
288	6/21/2021 15:54	0
289	6/21/2021 15:55	0
290	6/21/2021 15:56	0
291	6/21/2021 15:57	0
292	6/21/2021 15:58	0
293	6/21/2021 15:59	0
294	6/21/2021 16:00	0
295	6/21/2021 16:01	0
296	6/21/2021 16:02	0
297	6/21/2021 16:03	0
298	6/21/2021 16:04	0
299	6/21/2021 16:05	0
300	6/21/2021 16:06	0
301	6/21/2021 16:07	0
302	6/21/2021 16:08	0
303	6/21/2021 16:09	0
304	6/21/2021 16:10	0
305	6/21/2021 16:11	0
306	6/21/2021 16:12	0
307	6/21/2021 16:13	0
308	6/21/2021 16:14	0
309	6/21/2021 16:15	0
310	6/21/2021 16:16	0
311	6/21/2021 16:17	0
312	6/21/2021 16:18	0
313	6/21/2021 16:19	0
314	6/21/2021 16:20	0
315	6/21/2021 16:21	0
316	6/21/2021 16:22	0
317	6/21/2021 16:23	0
318	6/21/2021 16:24	0
319	6/21/2021 16:25	0
320	6/21/2021 16:26	0
321	6/21/2021 16:27	0
322	6/21/2021 16:28	0

323	6/21/2021 16:29	0
324	6/21/2021 16:30	0
325	6/21/2021 16:31	0
326	6/21/2021 16:32	0
327	6/21/2021 16:33	0
328	6/21/2021 16:34	0
329	6/21/2021 16:35	0
330	6/21/2021 16:36	0
331	6/21/2021 16:37	0
332	6/21/2021 16:38	0
333	6/21/2021 16:39	0
334	6/21/2021 16:40	0
335	6/21/2021 16:41	0
336	6/21/2021 16:42	0
337	6/21/2021 16:43	0
338	6/21/2021 16:44	0
339	6/21/2021 16:45	0
340	6/21/2021 16:46	0
341	6/21/2021 16:47	0
342	6/21/2021 16:48	0
343	6/21/2021 16:49	0
344	6/21/2021 16:50	0
345	6/21/2021 16:51	0
346	6/21/2021 16:52	0
347	6/21/2021 16:53	0
348	6/21/2021 16:54	0
349	6/21/2021 16:55	0
350	6/21/2021 16:56	0
351	6/21/2021 16:57	0
352	6/21/2021 16:58	0
353	6/21/2021 16:59	0
354	6/21/2021 17:00	0
355	6/21/2021 17:01	0
356	6/21/2021 17:02	0
Peak		0
Min		0
Average		0

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21/06/22 11:33

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-915065
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	RAE00000
User ID	1

Begin	6/22/2021 11:33
End	6/22/2021 13:31
Sample Period(s)	60
Number of Records	117

Sensor	PID(ppb)
Sensor SN	S023030170S7
Measure Type	Avg
Span	100000
Span 2	1000000
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutylene
Calibration Time	3/30/2020 14:14
Peak	N/A
Min	N/A
Average	N/A

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Datalog

Index	Date/Time	PID(ppb) (Avg)
1	6/22/2021 11:34	0
2	6/22/2021 11:35	0
3	6/22/2021 11:36	0
4	6/22/2021 11:37	0
5	6/22/2021 11:38	0
6	6/22/2021 11:39	0
7	6/22/2021 11:40	0
8	6/22/2021 11:41	0
9	6/22/2021 11:42	0
10	6/22/2021 11:43	0
11	6/22/2021 11:44	0
12	6/22/2021 11:45	0
13	6/22/2021 11:46	0
14	6/22/2021 11:47	0

15	6/22/2021 11:48	0
16	6/22/2021 11:49	0
17	6/22/2021 11:50	0
18	6/22/2021 11:51	0
19	6/22/2021 11:52	0
20	6/22/2021 11:53	0
21	6/22/2021 11:54	0
22	6/22/2021 11:55	0
23	6/22/2021 11:56	0
24	6/22/2021 11:57	0
25	6/22/2021 11:58	0
26	6/22/2021 11:59	0
27	6/22/2021 12:00	0
28	6/22/2021 12:01	0
29	6/22/2021 12:02	0
30	6/22/2021 12:03	0
31	6/22/2021 12:04	0
32	6/22/2021 12:05	0
33	6/22/2021 12:06	400
34	6/22/2021 12:07	2200
35	6/22/2021 12:08	0
36	6/22/2021 12:09	0
37	6/22/2021 12:10	0
38	6/22/2021 12:11	0
39	6/22/2021 12:12	0
40	6/22/2021 12:13	0
41	6/22/2021 12:14	0
42	6/22/2021 12:15	0
43	6/22/2021 12:16	0
44	6/22/2021 12:17	0
45	6/22/2021 12:18	0
46	6/22/2021 12:19	0
47	6/22/2021 12:20	0
48	6/22/2021 12:21	0
49	6/22/2021 12:22	0
50	6/22/2021 12:23	0
51	6/22/2021 12:24	0
52	6/22/2021 12:25	0
53	6/22/2021 12:26	0
54	6/22/2021 12:27	0
55	6/22/2021 12:28	0
56	6/22/2021 12:29	0
57	6/22/2021 12:30	0
58	6/22/2021 12:31	0
59	6/22/2021 12:32	0
60	6/22/2021 12:33	0
61	6/22/2021 12:34	0

62	6/22/2021 12:35	0
63	6/22/2021 12:36	0
64	6/22/2021 12:37	0
65	6/22/2021 12:38	0
66	6/22/2021 12:39	0
67	6/22/2021 12:40	0
68	6/22/2021 12:41	0
69	6/22/2021 12:42	0
70	6/22/2021 12:43	0
71	6/22/2021 12:44	0
72	6/22/2021 12:45	0
73	6/22/2021 12:46	0
74	6/22/2021 12:47	0
75	6/22/2021 12:48	0
76	6/22/2021 12:49	0
77	6/22/2021 12:50	0
78	6/22/2021 12:51	0
79	6/22/2021 12:52	0
80	6/22/2021 12:53	0
81	6/22/2021 12:54	0
82	6/22/2021 12:55	0
83	6/22/2021 12:56	0
84	6/22/2021 12:57	0
85	6/22/2021 12:58	0
86	6/22/2021 12:59	0
87	6/22/2021 13:00	0
88	6/22/2021 13:01	0
89	6/22/2021 13:02	0
90	6/22/2021 13:03	0
91	6/22/2021 13:04	0
92	6/22/2021 13:05	0
93	6/22/2021 13:06	0
94	6/22/2021 13:07	0
95	6/22/2021 13:08	0
96	6/22/2021 13:09	0
97	6/22/2021 13:10	0
98	6/22/2021 13:11	0
99	6/22/2021 13:12	0
100	6/22/2021 13:13	0
101	6/22/2021 13:14	0
102	6/22/2021 13:15	0
103	6/22/2021 13:16	0
104	6/22/2021 13:17	0
105	6/22/2021 13:18	0
106	6/22/2021 13:19	0
107	6/22/2021 13:20	0
108	6/22/2021 13:21	0

109	6/22/2021 13:22	0
110	6/22/2021 13:23	0
111	6/22/2021 13:24	0
112	6/22/2021 13:25	0
113	6/22/2021 13:26	0
114	6/22/2021 13:27	0
115	6/22/2021 13:28	0
116	6/22/2021 13:29	0
117	6/22/2021 13:30	0
Peak		2200
Min		0
Average		0

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21/06/23 18:01
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-915065
Unit Firmware Ver	V2.16
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	RAE00000
User ID	1
Begin	6/23/2021 18:01
End	6/23/2021 18:03
Sample Period(s)	60
Number of Records	1
Sensor	PID(ppb)
Sensor SN	S023030170S7
Measure Type	Avg
Span	100000
Span 2	1000000
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutylene
Calibration Time	3/30/2020 14:14

Peak	N/A
Min	N/A
Average	N/A

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Datalog

Index	Date/Time	PID(ppb) (Avg)
1	6/23/2021 18:02	0
Peak		0
Min		0
Average		0

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21/06/23 18:04

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-915065
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Communication Mode

Site ID	RAE00000
User ID	1

Begin	6/23/2021 18:04
End	6/23/2021 18:04
Sample Period(s)	60
Number of Records	0

Sensor	PID(ppb)
Sensor SN	S023030170S7
Measure Type	Avg
Span	100000
Span 2	1000000
Low Alarm	50000
High Alarm	100000
Over Alarm	15000000
STEL Alarm	25000
TWA Alarm	10000
Measurement Gas	Isobutylene
Calibration Time	3/30/2020 14:14

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Datalog

0 record.